

Supplementary Table S17

Average Relative Protein Abundance: Non-Metastatic Tumors (Samples UM15, UM20, UM23, UM25, UM26)

log₂ (mean Quantified + 1) vs. Log₂(mean Protein Ratio + 1). Log₂(mean Protein Ratio + 1). Standard Deviation = 0.15

Uni-Prot Accession	Protein	Sample Frequency n = 5, total	Ratio UM/Control	SEM	p value
P62367	Peptidyl prolyl cis-trans isomerase A	5	5.18	0.071	2.0E-05
P30086	Phosphoglycolactaminate binding protein 1	5	4.46	0.113	1.9E-04
O75368	SH3 domain-binding glutamic acid-rich-like protein	3	4.38	0.276	3.3E-02
P17096	High mobility group protein HMG-I/HMG-Y	5	4.16	0.198	2.0E-03
P08454	Prothymosin alpha	5	4.08	0.297	9.1E-03
P07108	Acyl-CoA-binding protein	5	3.89	0.131	4.9E-04
P18402	Histone H1.3	3	3.85	0.200	2.1E-02
P78417	Glutathione S-transferase omega-1	3	3.60	0.020	1.9E-07
P07195	L-lactate dehydrogenase B chain	5	3.51	0.066	4.4E-05
O14566	Glycerate(1,3)-phosphate dehydrogenase, testis-specific	5	3.49	0.214	4.2E-03
P63241	Eukaryotic translation initiation factor 4A-1	5	3.47	0.154	4.3E-04
Q04740	Lactoyglutathione lyase	5	3.46	0.167	1.7E-03
P24841	Cyclin-dependent kinase 2	4	3.46	0.047	1.2E-04
P10599	Thioredoxin	5	3.45	0.219	4.4E-03
P00338	L-lactate dehydrogenase A chain	5	3.40	0.156	1.4E-03
P01174	Triosephosphate isomerase	5	3.38	0.105	3.1E-04
P09211	Glutathione S-transferase P	5	3.29	0.198	3.9E-03
P08546	Myotrophin	3	3.25	0.096	6.9E-03
P00568	Phosphoglycerate kinase 1	5	3.17	0.052	2.4E-04
P06733	Alpha-enolase	5	3.11	0.078	1.3E-04
Q18658	Fascin	3	3.11	0.075	4.4E-03
Q07622	LaminA-cryotallin homolog	5	3.10	0.133	1.1E-03
Q8HC38	Glyoxalase domain-containing protein 4	4	3.10	0.200	1.1E-02
P04060	Cytidin-5	5	3.03	0.004	6.6E-05
P13139	Bifunctional purine biosynthesis protein PURH	4	3.01	0.199	1.2E-02
P22087	mRNA 2'-O-methyltransferase forlamin	5	2.99	0.104	4.0E-04
P04406	Glycerate(1,3)-phosphate dehydrogenase	5	2.97	0.166	2.8E-03
O75348	V-type proton ATPase subunit G 1	3	2.96	0.233	4.3E-02
P15121	Aldose reductase	4	2.95	0.188	1.0E-02
P12955	Xaa-Pro dipeptidase	4	2.95	0.121	2.6E-03
O75347	Tubulin-specific chaperone A	4	2.94	0.074	7.0E-04
P02565	Rho GDP-dissociation inhibitor 1	5	2.88	0.105	5.4E-04
P00443	Facin reductase [NADPH]	5	2.87	0.053	2.0E-03
P06865	Beta-hexosaminidase subunit alpha	3	2.87	0.128	1.4E-02
P01804	10 kDa heat shock protein, mitochondrial	5	2.81	0.202	6.9E-03
P19338	Nucleolin	3	2.77	0.095	3.9E-04
P18070	CD44 antigen	5	2.74	0.128	1.4E-03
Q15819	Ubiquitin-conjugating enzyme E2 variant 2	3	2.72	0.114	1.3E-02
P16401	Histone H1.5	5	2.70	0.152	6.7E-03
O15400	Syntaxin 7	5	2.69	0.157	3.2E-03
P29421	Transketolase	5	2.69	0.024	3.1E-06
P07900	Heat shock protein HSP 90-alpha	5	2.64	0.148	2.9E-03
P13797	Plastin-3	4	2.61	0.126	4.7E-03
P15531	Nucleoside diphosphate kinase A	5	2.60	0.162	4.7E-03
Q9Y2X3	Nucleolar protein 58	4	2.59	0.065	6.8E-04
P40925	Maltate dehydrogenase, cytoplasmic	5	2.58	0.055	6.9E-05
P07741	Adenosine phosphoribosyltransferase	3	2.57	0.062	7.6E-03
P13489	Ribonuclease inhibitor	3	2.56	0.129	1.8E-02
O03796	Sorbitol dehydrogenase	4	2.56	0.041	1.9E-04
P31948	Stress-induced phosphoprotein 1	5	2.54	0.112	1.1E-03
O59534	Ectoderm micubulin-associated protein-like 2	3	2.53	0.215	5.0E-02
P18588	Hesparin-derived growth factor	5	2.52	0.158	4.2E-03
P63104	14-3-3 protein zeta/delta	5	2.52	0.145	3.1E-03
P07729	Ras-related protein Rab-38	4	2.51	0.119	4.4E-03
P40926	Maltate dehydrogenase, mitochondrial	5	2.49	0.045	3.3E-03
P62760	60S ribosomal protein L23a	4	2.45	0.084	1.7E-03
Q13510	Acid ceramidase	5	2.42	0.153	4.4E-03
Q93338	6-phosphogluconolactonase	5	2.41	0.063	1.6E-04
Q99497	Protein DJ-1	5	2.35	0.058	1.2E-04
Q03E16	Programmed cell death protein 4	4	2.35	0.190	2.0E-02
P07954	Fumarate hydratase, mitochondrial	4	2.34	0.094	2.0E-03
P61149	Ras-related protein Rab-7a	5	2.33	0.069	2.6E-04
P08758	Annexin A6	5	2.30	0.128	2.9E-03
P62628	GTP-binding nuclear protein Ran	4	2.29	0.165	1.5E-02
P23526	Adenosylhomocysteinase	5	2.28	0.092	8.5E-04
Q96217	Fumarylacetoacetate hydrolase domain-containing protein 2A	3	2.27	0.115	1.9E-02
P07737	Profilin-1	5	2.26	0.077	4.4E-04
P23528	Cofilin-1	5	2.26	0.064	2.2E-04
P07448	Nucleophosmin	5	2.25	0.038	3.1E-05
P08238	Heat shock protein HSP 90-beta	5	2.24	0.165	8.1E-03
Q13185	Chromobox protein homolog 3	5	2.23	0.085	7.0E-04
P00462	Eukaryotic translation initiation factor 2 subunit 2	5	2.23	0.197	2.1E-02
P18152	Carbonyl reductase [NADPH] 1	5	2.21	0.129	3.5E-03
Q13126	S-methyl-5-thioadenosine phosphorylase	3	2.20	0.117	2.1E-02
P08744	Glucose-6-phosphate isomerase	5	2.20	0.091	9.1E-04
P21283	V-type proton ATPase subunit C 1	3	2.19	0.103	1.7E-02
Q13838	Spliceosome RNA helicase DDX39B	4	2.19	0.081	3.2E-03
P30044	Peroxiredoxin-5, mitochondrial	5	2.18	0.088	9.1E-04
Q07955	Serine/arginine-rich splicing factor 1	5	2.17	0.070	3.9E-04
P11474	Macrophage migration inhibitory factor	5	15.28	NA	NA
P05204	Non-Histone chromosomal protein HMG-17	1	7.97	NA	NA
Q06256	Small ubiquitin-related modifier 4	1	5.69	NA	NA
O9H305	Pinin	1	5.29	NA	NA
Q9H305	Probable serine carboxypeptidase CPVL	1	4.99	NA	NA
Q91603	Adverin	1	4.47	NA	NA
P52769	NH2-like protein 1	1	4.40	NA	NA
Q0UBR2	Cathepsin Z	2	4.37	NA	NA
P63238	Thyrosinase beta-4	2	4.33	NA	NA
Q8WMM9	Cytoglobin	1	3.94	NA	NA
O60220	Mitochondrial import inner membrane translocase subunit TimA	1	3.85	NA	NA
P13686	Tartrate-resistant acid phosphatase type 5	1	3.84	NA	NA
O8NCW5	NAD(P)H hydride epimerase	1	3.82	NA	NA
Q0XQW6	Nicotinate phosphoribosyltransferase	1	3.71	NA	NA
P22234	Multifunctional protein AD22	1	3.71	NA	NA
P62310	U6 snRNA-associated Sm-like protein LSM3	1	3.68	NA	NA
P40121	Macrophage capping protein	2	3.61	NA	NA
P43205	Cathepsin K	1	3.63	NA	NA
P16083	Ribosylthiazolinediamide dehydrogenase [quinone]	1	3.47	NA	NA
Q06888	Protein CUBA	1	3.46	NA	NA
Q9UHQ6	LIM domain and actin-binding protein 1	1	3.26	NA	NA
O00584	Ribonuclease T2	1	3.12	NA	NA
P20059	HLA class II histocompatibility antigen, DRB1-11 beta chain	1	3.07	NA	NA
P61916	Epidermal secretory protein E1	1	3.01	NA	NA
P63270	Septaplatin reductase	1	2.86	NA	NA
P03463	Protein SET5P	2	2.83	NA	NA
P27895	DNA (apurinic or apyrimidinic site) lyase	2	2.80	NA	NA
Q8IV08	Phosphoglucone D3	4	2.78	0.359	6.5E-02
P05413	Fatty acid-binding protein, heart	2	2.76	NA	NA
P23297	Protein S100-A1	1	2.73	NA	NA
P62979	SAP domain-containing ribonuclease	1	2.73	NA	NA
P11796	Alcohol dehydrogenase class 3	1	2.71	NA	NA
P17900	Ganglioside GM2 activator	1	2.71	NA	NA
P25789	Proteasome subunit alpha type-4	1	2.70	NA	NA
Q9RHL4	Dipeptidyl peptidase 2	1	2.65	NA	NA
P16949	Stathmin	2	2.63	NA	NA
Q8EUP0	EF-hand domain-containing protein D1	2	2.63	NA	NA
P52566	Rho GDP-dissociation inhibitor 2	1	2.63	NA	NA
Q8HR04	Haloacid dehalogenase-like hydrolase domain-containing protein 2	1	2.62	NA	NA
Q8EY78	Neuroxin, mitochondrial	1	2.68	NA	NA
P07886	Beta-hexosaminidase subunit beta	2	2.58	NA	NA
Q96972	P2X purinocceptor 7	2	2.57	NA	NA
P30748	Flap endonuclease 1	1	2.55	NA	NA
P36959	GMP reductase 1	1	2.52	NA	NA
P30085	UMP-CMP kinase	1	2.50	NA	NA
Q8EV36	Melanophilin	2	2.49	NA	NA
P23381	Tryptophan-5 RNA ligase, cytoplasmic	2	2.49	NA	NA
P55010	Eukaryotic translation initiation factor 5	1	2.48	NA	NA
Q8NR28	Diablo homolog, mitochondrial	1	2.48	NA	NA
P16930	Fumarylacetoacetate	1	2.48	NA	NA
Q13243	Serine/arginine-rich splicing factor 5	2	2.47	NA	NA
Q5NJ25	Putative 40S ribosomal protein S26-like 1	2	2.44	NA	NA
Q6A045	V-type proton ATPase subunit E 2	1	2.42	NA	NA
Q8H307	Pinin	1	2.41	NA	NA
P49189	4-methylaminobutyraldehyde dehydrogenase	1	2.34	NA	NA
Q02025	Setoperonin H	2	2.33	NA	NA
P02691	Interferon-induced GTP-binding protein Mx1	2	2.32	NA	NA
P65809	Succinyl-CoA:3-oxoacid coenzyme A transferase 1, mitochondrial	2	2.32	NA	NA
Q53184	Aminoacylase-1	2	2.29	NA	NA
O75531	Barrier-to-autophagy factor	2	2.26	NA	NA
P21291	Cysteine and glycine-rich protein 1	2	2.26	NA	NA
Q15185	Prostaglandin H synthase 3	1	2.25	NA	NA
O14618	Copper chaperone for superoxide dismutase	1	2.24	NA	NA
Q07021	Complement component 1 Q subcomponent-binding protein, mitochondrial	1	2.22	NA	NA
P10568	Adenylylase isoenzyme 1	1	2.22	NA	NA
P62861	40S ribosomal protein S30	1	2.21	NA	NA
P62815	39S ribosomal protein L12, mitochondrial	3	2.20	0.236	7.9E-02
Q8A132	Sarcosine dehydrogenase, mitochondrial	1	2.18	NA	NA
P10253	Lysosomal alpha-glucosidase 1	1	2.18	NA	NA
Q8NWF8	Bo1-2-associated transcription factor 1	2	2.18	NA	NA
P10708	S-formylglutathione hydrolase	2	2.15	NA	NA
Q85974	Protein FAM31A1	1	2.15	NA	NA
Q15162	Platelet activating factor acetylhydrolase II subunit gamma	3	2.15	0.291	1.1E-01
Q8NRX4	14 kDa phosphatidylserine phosphatase	1	2.13	NA	NA
P63279	SUMO-conjugating enzyme UBC9	2	2.13	NA	NA
P13788	Acylamino acid-releasing factor	2	2.11	0.062	6.9E-03
Q14677	Ctshrin interactor 1	2	2.11	NA	NA
Q8NFC3	Acy-coenzyme A thioesterase 13	1	2.11	NA	NA
P00460	Endoplasmic reticulum resident protein 29	1	2.10	NA	NA
P01620	Ig kappa chain V.H1 region SIE	1	2.08	NA	NA
P08670	Vimentin	5	2.07	0.208	2.5E-02
Q97229	Heterogeneous nuclear ribonucleoprotein AB	5	2.07	NA	NA
P12081	Histidine-4 RNA ligase, cytoplasmic	1	2.06	NA	NA
P51088	Ubiquitin-conjugating enzyme E2 N	2	2.06	NA	NA
P03095	Ras GDP-dissociation inhibitor beta	5	2.06	0.063	3.3E-04
P02788	Serum albumin	5	2.05	0.195	2.1E-02
P26072	Proteasome subunit beta type-6	1	2.05	NA	NA
Q04837	Single-stranded DNA-binding protein, mitochondrial	1	2.05	NA	NA
P63173	60S ribosomal protein L38	1	2.03	NA	NA
Q00069	Transcription factor A, mitochondrial	5	2.03	0.160	1.7E-02
P08195	4F2 cell-surface antigen heavy chain	5	2.03	0.066	4.3E-04
Q35Y09	Mitochondrial 10-formyltetrahydrofolate dehydrogenase	2	2.03	NA	NA
Q8A050	Glyoxylate reductase/hydroxyproprate reductase	1	2.03	NA	NA
Q86RA2	Thioredoxin domain-containing protein 7	3	2.02	0.101	2.9E-02
Q86506	Synaptic vesicle membrane protein VAMP1 homolog	5	2.02	0.038	5.3E-05
P12096	Glutathione S-transferase Mu 3	4	2.02	0.129	2.0E-02
Q04446	1,4-alpha-glucan branching enzyme	2	2.00	NA	NA
Q86W46	Valacyclovir hydrolase	1	2.00	NA	NA
Q8UHE5	Switch-associated protein 70	5	2.00	0.090	1.6E-03
Q15843	NEEDD8	1	1.99	NA	NA
P05453	Serpin B9	1	1.99	0.172	5.7E-02
Q01105	Protein SET	3	1.98	0.041	3.7E-03

Table S17 Average Non-Metastatic Tumors

Q13442	28 kDa heat- and acid-stable phosphoprotein	2	1.98	NA	NA
P52786	Proteasome subunit alpha type-1	5	1.98	0.131	6.5E-03
Q6P448	Aspartate-tRNA ligase, mitochondrial	2	1.98	NA	NA
Q9JL12	V-type proton ATPase subunit H	1	1.97	NA	NA
P53685	Monocarboxylate transporter 1	1	1.97	NA	NA
P09914	Interferon-induced protein with tetrahydrocoptide repeats 1	1	1.97	NA	NA
Q9HA44	Aminopeptidase B	2	1.97	NA	NA
P22362	Nucleoside diphosphate kinase B	1	1.96	NA	NA
Q14247	Src substrate cortactin	5	1.96	0.113	4.0E-03
Q072V1	Thyroid hormone receptor-associated protein 3	2	1.96	NA	NA
P03015	Carbonic anhydrase 1	1	1.95	NA	NA
P38159	RNA-binding motif protein, X chromosome	1	1.95	NA	NA
P13663	Translationally controlled tumor protein	4	1.94	0.079	3.6E-03
P20618	Proteasome subunit beta type-1	4	1.94	0.040	4.8E-04
P16219	Short-chain specific acyl-CoA dehydrogenase, mitochondrial	3	1.93	0.273	1.4E-01
Q14240	Eukaryotic initiation factor 4A-II	3	1.93	0.058	7.8E-03
P62847	40S ribosomal protein S24	1	1.92	NA	NA
P27348	14-3-3 protein theta	4	1.92	0.171	3.2E-02
Q29255	Phenylalanine--tRNA ligase alpha subunit	1	1.91	NA	NA
P33121	Long-chain-fatty-acid--CoA ligase 1	1	1.91	NA	NA
P62258	14-3-3 protein epsilon	5	1.91	0.094	2.3E-03
Q89C96	mTDPK1 diaphanase	2	1.91	NA	NA
Q18636	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial	4	1.90	0.142	2.0E-02
P09300	Proteasome subunit alpha type-6	2	1.90	NA	NA
P07858	Cathepsin B	4	1.89	0.227	6.7E-02
P30485	HLA class I histocompatibility antigen, B-47 alpha chain	1	1.89	NA	NA
Q12906	Interleukin enhancer-binding factor 3	5	1.89	0.079	1.6E-03
P18669	Phosphoglycerate mutase 1	5	1.88	0.069	2.1E-03
Q89899	Succinyl-CoA ligase (GDP-forming) subunit beta, mitochondrial	3	1.87	0.132	4.1E-02
Q02117	NADH dehydrogenase (ubiquinone) iron-sulfur protein 6, mitochondrial	1	1.87	NA	NA
P04181	O-methyltransferase, mitochondrial	1	1.87	NA	NA
Q5W222	Lysophospholipase-like protein 1	1	1.86	NA	NA
Q15907	Ras-related protein Rab-11B	4	1.86	0.140	2.4E-02
P31937	3-hydroxyisobutyrate dehydrogenase, mitochondrial	2	1.85	NA	NA
P09999	Cytochrome c	5	1.85	0.107	4.5E-03
P31608	Methyl CpG-binding protein 2	1	1.85	0.151	6.9E-02
P48147	Prolyl endopeptidase	1	1.85	NA	NA
Q8H7C9	MtS58 domain-containing protein	1	1.85	NA	NA
P46776	60S ribosomal protein L27a	3	1.85	0.068	1.2E-02
P10890	60 kDa heat shock protein, mitochondrial	5	1.84	0.133	1.0E-02
Q8U260	Proliferation-associated protein 2G4	3	1.83	0.083	1.8E-02
Q15631	Transin	4	1.83	0.200	5.6E-02
Q15181	Inorganic pyrophosphatase	3	1.83	0.051	6.9E-03
Q13435	Splicing factor 3B subunit 2	5	1.83	0.127	9.0E-03
Q04917	14-3-3 protein eta	1	1.83	NA	NA
Q9Y3C8	Ubiquitin-fold modifier-conjugating enzyme 1	2	1.83	NA	NA
Q70621	Ribosomal L1 domain-containing protein 1	1	1.83	NA	NA
P04441	Superoxide dismutase [Cu-Zn]	5	1.83	0.184	3.1E-02
Q9Y4W6	AFG3-like protein 2	5	1.82	0.100	3.9E-03
O05657	Nucleolar protein 56	1	1.82	0.050	2.8E-04
Q6UB05	Eukaryotic translation initiation factor 3 subunit K	1	1.82	NA	NA
P64077	ADP-ribosylation factor 1	1	1.81	NA	NA
Q9Y653	G-protein coupled receptor 56	1	1.81	NA	NA
P09842	Eukaryotic initiation factor 4A-I	4	1.81	0.023	1.3E-04
Q13428	Tricase protein	2	1.81	NA	NA
P08821	U1 small nuclear ribonucleoprotein 70 kDa	2	1.80	NA	NA
Q43399	Tumor protein D54	4	1.80	0.137	2.3E-02
P33969	Activated RNA polymerase II transcriptional coactivator p15	1	1.80	NA	NA
P49720	Proteasome subunit beta type-3	1	1.79	NA	NA
Q14103	Heterogeneous nuclear ribonucleoprotein D0	5	1.79	0.016	5.2E-06
Q12905	Interleukin enhancer-binding factor 2	5	1.78	0.069	6.9E-04
P14818	Pyruvate kinase PKM	5	1.77	0.115	7.7E-03
P65141	ADP-ATP translocase 2	3	1.77	0.223	1.2E-01
P13639	Elongation factor 2	5	1.77	0.057	5.4E-04
P20702	Integrin alpha-X	1	1.77	NA	NA
P07910	Heterogeneous nuclear ribonucleoproteins C1/C2	5	1.77	0.007	1.0E-03
Q15424	Scaffold attachment factor B1	1	1.76	NA	NA
Q13819	Cullin-4A	1	1.76	NA	NA
Q8HW47	Ataxin-2-like protein	1	1.75	NA	NA
P30637	Aldehyde dehydrogenase X, mitochondrial	5	1.75	0.288	1.2E-01
P46926	Glucosamine-6-phosphate isomerase 1	4	1.75	0.105	1.3E-02
Q8Y112	HACA ribonucleoprotein complex subunit 1	1	1.75	0.066	6.9E-03
Q62597	Protein NDRG1	3	1.75	0.043	5.7E-03
P48729	Phosphatidylinositol transfer protein beta isoform	1	1.75	NA	NA
P07877	Serotransferrin	1	1.75	0.161	2.6E-02
P25788	Proteasome subunit alpha type-3	2	1.75	NA	NA
Q8L446	Proteasome activator complex subunit 2	2	1.74	NA	NA
Q14818	Proteasome subunit alpha type-7	5	1.74	0.116	8.6E-03
Q75380	NADH dehydrogenase (ubiquinone) iron-sulfur protein 6, mitochondrial	3	1.74	0.052	8.6E-03
Q55571	Penicillin dehydrogenase ETH1, mitochondrial	1	1.74	NA	NA
P35237	Serpin B6	1	1.73	NA	NA
Q6JN70	Protein kinase C and casein kinase substrate in neurons protein 2	2	1.73	NA	NA
P48763	40S ribosomal protein S10	3	1.73	0.133	5.4E-02
Q9JHX1	Poly(U)-binding-splicing factor PUF80	4	1.73	0.098	1.2E-02
Q14841	5-oxoprolinase	1	1.72	NA	NA
P38646	Stress 70 protein, mitochondrial	1	1.72	0.134	1.5E-02
Q3H462	Beta-lactamase-like protein 2	2	1.72	NA	NA
P55786	Putromycin-sensitive aminopeptidase	5	1.72	0.068	1.2E-03
P62867	40S ribosomal protein S26	3	1.71	0.144	6.5E-02
P09661	U2 small nuclear ribonucleoprotein A'	2	1.71	NA	NA
Q13405	39S ribosomal protein L46, mitochondrial	1	1.71	NA	NA
P39687	Acidic leucine-rich nuclear phosphoprotein 32 family member A	5	1.71	0.079	2.5E-03
Q689P4	Cytosolic non-specific dipeptidase	5	1.71	0.125	1.3E-02
Q01448	ATP-dependent RNA helicase DDX39A	4	1.70	NA	NA
P62158	Catmodulin	5	1.70	0.114	9.4E-03
Q6JK77	Protein CDV3 homolog	1	1.70	NA	NA
P48773	Histidine triad nucleotide-binding protein 1	4	1.70	0.123	2.3E-02
P54819	Adenylate kinase 2, mitochondrial	5	1.69	0.060	9.4E-04
Q8YUJ3	Protein prone homolog 2	1	1.69	NA	NA
P07919	Cytochrome b-c1 complex subunit 6, mitochondrial	1	1.69	0.269	2.1E-01
P09429	High mobility group protein B1	5	1.69	0.099	6.2E-03
Q15436	Vacuolar protein sorting-associated protein 26A	1	1.69	NA	NA
Q09039	Heterogeneous nuclear ribonucleoprotein U	5	1.68	0.110	9.2E-03
P20405	Peptidyl prolyl cis-trans isomerase F, mitochondrial	3	1.68	0.133	6.0E-02
Q27655	Alpha-2-HS-glycoprotein	2	1.68	NA	NA
Q5JY78	Torsin-1A-interacting protein 1	4	1.68	0.058	3.0E-03
P21796	Voltage-dependent anion-selective channel protein 1	5	1.67	0.076	2.4E-03
Q01544	Cytosolic acyl-coenzyme A thioester hydratase	1	1.67	NA	NA
P42224	Signal transducer and activator of transcription 1-alpha/beta	1	1.67	NA	NA
Q62723	SRP stem-loop-interacting RNA-binding protein, mitochondrial	1	1.67	NA	NA
Q67598	Acetate hydratase, mitochondrial	6	1.67	0.105	8.5E-03
P25398	40S ribosomal protein S12	5	1.67	0.062	1.2E-03
P62766	Transferin receptor protein	1	1.67	NA	NA
P02666	Proteasome subunit alpha type-5	3	1.67	0.140	6.8E-02
Q15666	Gamma interferon-inducible protein 16	3	1.66	0.233	1.8E-01
Q8JUN2	NSFL1 cofactor p47	2	1.66	NA	NA
P30041	Peroxiredoxin-6	5	1.66	0.097	6.5E-03
Q00299	Chloride intracellular channel protein 1	2	1.66	NA	NA
Q75484	Serine/arginine-rich signaling factor 10	1	1.66	NA	NA
Q13177	Serine/threonine-protein kinase PAK 2	4	1.66	0.195	8.0E-02
EF9AW3	Nascent polypeptide-associated complex subunit alpha, muscle-specific form	2	1.66	NA	NA
Q15533	Tegasin	1	1.66	NA	NA
P62820	Ras-related protein Rab-1A	1	1.66	NA	NA
P63387	60S acidic ribosomal protein P2	5	1.65	0.067	1.7E-03
P31611	Glutathione S-transferase Mu 2	1	1.65	NA	NA
Q89523	Soritin	2	1.65	NA	NA
Q85U07	Feritin family homolog 3	6	1.65	0.057	1.3E-02
Q8NS09	Phenylalanine--tRNA ligase beta subunit	3	1.65	0.174	1.0E-01
P09651	Heterogeneous nuclear ribonucleoprotein A1	5	1.65	0.054	7.5E-04
Q15963	Perlecan	2	1.64	NA	NA
Q6UMY4	Sorting nexin-12	2	1.64	NA	NA
Q64828	Mitochondrial import receptor subunit TOM70	5	1.64	0.098	7.1E-03
P54952	Heat shock-related 70 kDa protein 2	6	1.64	0.124	1.6E-02
Q08380	Galectin-3-binding protein	5	1.64	0.062	1.4E-03
Q8NC21	Plasminogen activator inhibitor 1 RNA-binding protein	1	1.64	NA	NA
Q17683	WD repeat-containing protein 1	5	1.64	0.070	2.1E-03
Q62820	Gamma-glutamyl hydrolase	2	1.64	NA	NA
P27636	60S ribosomal protein L10	3	1.64	0.122	5.6E-02
Q76533	Splicing factor 3B subunit 1	3	1.64	0.062	2.7E-02
P27816	Microtubule-associated protein 4	5	1.63	0.119	1.5E-02
Q62888	Acidic leucine-rich nuclear phosphoprotein 32 family member B	4	1.63	0.136	3.7E-02
P49753	Acyl-coenzyme A thioesterase 2, mitochondrial	1	1.62	NA	NA
P06753	Topomycin alpha-3 chain	5	1.62	0.105	1.0E-02
P04360	Tubulin beta-4A chain	1	1.62	NA	NA
P12830	Cadherin-1	3	1.62	0.118	5.3E-02
P09019	40S ribosomal protein S19	5	1.62	0.089	5.7E-03
Q15371	Eukaryotic translation initiation factor 3 subunit D	2	1.62	NA	NA
Q16543	Hsp90 co-chaperone Cdc37	2	1.62	NA	NA
P51798	[H+(Cl)-] exchange transporter 7	1	1.61	NA	NA
P13929	Beta-enkephalin	1	1.61	NA	NA
Q86Z71	Oxysterol-binding protein-related protein 8	1	1.61	NA	NA
Q9Y163	Mitochondrial carrier homolog 2	2	1.61	NA	NA
P07339	Cathepsin D	5	1.61	0.344	2.4E-01
P22266	Heterogeneous nuclear ribonucleoproteins A2/B1	5	1.61	0.047	5.4E-04
P10165	60 kDa 5S-180 ribonucleoprotein	1	1.61	NA	NA
Q8NP98	Putative phospholipase B-like 2	1	1.61	NA	NA
Q16576	Histone-binding protein RBP7	2	1.60	NA	NA
Q84424	Leucine-rich repeat-containing protein 59	5	1.60	0.062	1.6E-03
P06737	Glycogen phosphorylase, liver form	5	1.60	0.228	1.1E-01
Q8NYL4	Peptidyl prolyl cis-trans isomerase FKBP11	1	1.60	NA	NA
Q12900	Monocarboxylate ligase ABHD12	1	1.60	NA	NA
P55008	Allograft inflammatory factor 1	1	1.60	NA	NA
Q9Y203	Glutathione S-transferase kappa 1	1	1.59	NA	NA
Q11130	Serine/arginine-rich signaling factor 5	3	1.59	0.063	1.8E-02
Q60343	TBC1 domain family member 4	1	1.59	NA	NA
Q8H232	Inorganic pyrophosphatase 2, mitochondrial	3	1.59	0.070	2.2E-02
Q09845	FACT complex subunit SSRP1	1	1.59	NA	NA
Q65758	Polypyrimidine tract-binding protein 3	1	1.59	NA	NA
P12270	Nucleoprotein TFR	5	1.59	0.098	9.4E-03
POCV22	40S ribosomal protein S17-like	5	1.58	0.120	1.9E-02
P30042	EST1 protein homolog, mitochondrial	3	1.58	0.231	1.9E-01
P36669	Protein DDK	2	1.58	NA	NA
Q5VTE0	Putative elongation factor 1-alpha-like 3	5	1.57	0.084	5.6E-03
Q14157	Ubiquitin-associated protein 2-like	1	1.57	NA	NA
P56613	Basn1	4	1.57	0.194	1.0E-01
Q9Y371	Endophilin-B1	1	1.57	NA	NA
P42704	Leucine-rich FPR motif-containing protein, mitochondrial	5	1.57	0.080	4.6E-03
P62851	40S ribosomal protein S25	5	1.57	0.083	5.6E-03
P23246	Splicing factor, proline- and glutamine-rich	5	1.57	0.111	1.5E-02
Q14M03	Heterogeneous nuclear ribonucleoprotein U-like protein 2	5	1.56	0.068	2.8E-03
P49207	60S ribosomal protein L34	2	1.56	NA	NA
P61254	60S ribosomal protein L26	3	1.56	0.203	1.6E-01
Q9R323	Proteasome activator complex subunit 1	6	1.56	0.096	6.9E-03
Q00483	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex subunit 4	4	1.56	0.075	9.9E-03
P62263	40S ribosomal protein S14	5	1.55	0.100	1.2E-02
P01247	40S ribosomal protein S3a	5	1.55	0.107	1.5E-02
P78324	Tyrosine-protein phosphatase non-receptor type substrate 1	1	1.55	NA	NA

Table S17 Average Non-Metastatic Tumors

O14979	Heterogeneous nuclear ribonucleoprotein D-like	4	1.55	0.062	6.0E-03
P08865	40S ribosomal protein S8	5	1.55	0.066	1.4E-03
Q8UKV3	Apoptotic chromatin condensation inducer in the nucleus	4	1.55	0.075	1.0E-02
O15488	Synaptobrevin homolog YKT6	1	1.54	NA	NA
P42766	60S ribosomal protein L35	2	1.54	NA	NA
O43488	Aflatoxin B1 aldehyde reductase member 2	1	1.54	NA	NA
P51991	Heterogeneous nuclear ribonucleoprotein A3	5	1.54	0.091	9.3E-03
P19621	60S ribosomal protein L17	3	1.54	0.075	2.0E-03
P26006	Integrin alpha-3	2	1.53	NA	NA
P51817	cAMP-dependent protein kinase catalytic subunit PRKX	1	1.53	NA	NA
Q13203	Transcription intermediary factor 1 beta	3	1.53	0.184	1.0E-01
P17480	Nuclear transcription factor 1	1	1.52	NA	NA
Q8NFV4	Alpha-beta hydrolase domain-containing protein 11	4	1.52	0.159	7.7E-02
Q79574	Isochorate dehydrogenase [NAD(P)] cytoplasmic	3	1.52	0.140	9.5E-02
P10412	Histone H1 A	1	1.52	NA	NA
Q9Y6A8	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 9	3	1.52	0.045	1.1E-02
P24534	Elongation factor 1-beta	5	1.52	0.150	5.0E-02
A4D19D	WD repeat-containing protein 51	1	1.51	NA	NA
P55155	Plasma protease C1 inhibitor	1	1.51	NA	NA
Q08211	ATP-dependent RNA helicase A	5	1.51	0.090	1.0E-02
P53597	Succinyl-CoA ligase (ADP/GDP-forming) subunit alpha, mitochondrial	5	1.51	0.064	3.0E-03
P19519	Lysosomal protease	3	1.50	0.339	3.9E-01
P30512	HLA class I histocompatibility antigen, A-29 alpha chain	1	1.50	NA	NA
Q8J0J2	Stomatin-like protein 2, mitochondrial	4	1.50	0.179	1.1E-01
Q97696	Chloride intracellular channel protein 4	2	1.49	NA	NA
P62906	60S ribosomal protein L10a	5	1.49	0.074	5.8E-03
Q75400	PterinRNA-processing factor 40 homolog A	1	1.49	NA	NA
Q09210	Glutamine--fructose-6-phosphate aminotransferase [asomerizing] 1	2	1.49	NA	NA
Q15366	Poly(C)-binding protein 2	2	1.49	NA	NA
Q9Y376	Calcium-binding protein 3B	1	1.48	NA	NA
P49792	E3 SUMO-protein ligase RanBP2	2	1.48	NA	NA
Q75390	Citrate synthase, mitochondrial	5	1.48	0.112	2.5E-02
Q12931	Heat shock protein 75 kDa, mitochondrial	1	1.48	NA	NA
Q69WM7	Sideroflexin-3	1	1.48	NA	NA
Q0UKM9	RNA-binding protein Ray	5	1.48	0.127	3.7E-02
Q07960	Rho GTPase-activating protein 1	3	1.48	NA	NA
Q15145	Actin-related protein 2/3 complex subunit 3	3	1.47	0.035	7.9E-03
P11163	S-adenosylmethionine synthase isoform type-2	5	1.47	0.138	4.9E-02
Q8J0J5	Calcium-binding mitochondrial carrier protein Aarar2	1	1.47	NA	NA
Q69436	Proteasome subunit beta type-7	2	1.47	NA	NA
Q88J54	Protein LYRIC	3	1.47	0.147	1.2E-01
P51159	Ras-related protein Rab-27A	4	1.46	0.207	1.6E-01
Q62K01	60S ribosomal protein L7-like 1	1	1.46	NA	NA
P14550	Alcohol dehydrogenase [NAD(P)+]	1	1.46	NA	NA
Q9HAV7	GrpE protein homolog 1, mitochondrial	1	1.46	NA	NA
P62973	60S ribosomal protein L13	5	1.46	0.111	2.8E-02
Q12924	Anticodon RNA synthetase complex-interacting multifunctional protein 1	2	1.46	NA	NA
Q9HAV7	GrpE protein homolog 1, mitochondrial	1	1.46	NA	NA
P62973	60S ribosomal protein L13	5	1.46	0.111	2.8E-02
Q12924	Anticodon RNA synthetase complex-interacting multifunctional protein 1	2	1.46	NA	NA
Q92445	Far upstream element-binding protein 2	5	1.45	0.038	6.1E-04
P17802	Trangenein-2	3	1.45	0.047	1.5E-02
Q3ZC08	Mitochondrial import inner membrane translocase subunit TIMSO	1	1.45	NA	NA
P61978	Heterogeneous nuclear ribonucleoprotein K	5	1.45	0.037	5.6E-04
P11160	Rab GDP-dissociation inhibitor alpha	1	1.45	NA	NA
P62966	Transformin-2 protein homolog beta	1	1.45	NA	NA
Q43678	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	3	1.45	0.096	6.2E-02
Q16629	Serine/arginine-rich splicing factor 7	4	1.44	0.124	5.5E-02
Q08257	Quinone oxidoreductase	1	1.44	NA	NA
P62136	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	4	1.44	0.155	9.9E-02
Q80K00	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	2	1.44	NA	NA
Q13242	Serine/arginine-rich splicing factor 9	2	1.44	NA	NA
Q02318	Stere 26-hydroxylase, mitochondrial	3	1.44	0.145	1.3E-01
P52421	40S ribosomal protein S8	6	1.44	0.068	1.0E-02
P07602	Protopapain	5	1.44	0.169	9.8E-02
P64075	Fructose-bisphosphate aldolase A	5	1.44	0.077	9.9E-03
P51970	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8	2	1.44	NA	NA
Q80K05	Bcl-2-like protein 13	2	1.43	NA	NA
P53244	Guanine nucleotide-binding protein subunit beta 2-like 1	5	1.43	0.091	4.1E-03
Q13217	DnaJ homolog subfamily C member 3	1	1.43	NA	NA
P13874	Proyl 4-hydroxylase subunit alpha-1	3	1.43	0.189	2.0E-01
O15511	Actin-related protein 2/3 complex subunit 5	4	1.43	0.068	1.4E-02
Q86LJ2	Heterogeneous nuclear ribonucleoprotein U-like protein 1	4	1.42	0.162	1.2E-01
P04417	Dihydropyridine reductase	2	1.42	NA	NA
Q92902	Vesicle-associated membrane protein-associated protein B/C	4	1.42	0.163	1.6E-01
P04792	Heat shock protein beta-1	5	1.42	0.230	2.0E-01
P62280	40S ribosomal protein S11	5	1.42	0.079	1.1E-02
Q15459	Splicing factor 3A subunit 1	4	1.42	NA	NA
P25685	DnaJ homolog subfamily B member 1	2	1.42	NA	NA
P52987	Heterogeneous nuclear ribonucleoprotein F	4	1.42	0.095	1.3E-02
Q12874	Splicing factor 3A subunit 3	3	1.42	0.134	1.2E-01
P22314	Ubiquitin-like modifier-activating enzyme 1	5	1.42	0.068	6.8E-03
Q14860	Mitochondrial glutathione S-transferase 3	1	1.41	NA	NA
P49721	Proteasome subunit beta type-2	2	1.41	NA	NA
Q69471	Prefoldin subunit 5	1	1.41	NA	NA
P40687	Melanocyte protein PHEL	5	1.41	0.057	3.5E-03
Q01469	Fatty acid-binding protein, epidermal	1	1.41	NA	NA
Q15056	Eukaryotic translation initiation factor 4H	1	1.41	NA	NA
Q02790	Hempepin	1	1.41	0.110	3.6E-02
Q02790	Peptidyl prolyl cis-trans isomerase FKBP4	2	1.41	NA	NA
Q13976	Ras GTPase-activating-like protein IQGAP2	1	1.41	NA	NA
P46777	60S ribosomal protein L5	5	1.40	0.077	1.2E-02
Q14139	Ubiquitin conjugation factor E4 A	1	1.40	NA	NA
P07831	Complement factor B	1	1.40	NA	NA
P84103	Serine/arginine-rich splicing factor 3	4	1.40	0.105	5.0E-02
Q62816	Translational activator GCN1	3	1.39	0.132	1.3E-01
P52222	Prothelin	5	1.39	0.072	5.0E-02
Q8XK03	Coiled-coil-helix-coiled-coil-helix domain-containing protein 3, mitochondrial	4	1.39	0.071	1.9E-02
P17840	Alpha-synuclein	1	1.39	NA	NA
P51810	C-protein coupled receptor 143	1	1.39	0.064	2.5E-02
Q9NP81	Serine--tRNA ligase, mitochondrial	4	1.39	0.043	4.7E-03
Q68J42	Polyadenylate-binding protein 2	2	1.39	NA	NA
P51106	Ras-related protein Rab-14	1	1.39	NA	NA
P17837	Transaldolase	5	1.39	0.153	9.8E-02
P53731	60S ribosomal protein L24	5	1.39	0.219	2.1E-01
P60981	Dextrin	2	1.39	NA	NA
P62829	60S ribosomal protein L23	4	1.39	0.083	2.9E-02
Q09028	Histone-binding protein RBBP4	2	1.39	NA	NA
P54727	UV excision repair protein RAD23 homolog B	5	1.39	0.087	2.0E-02
Q89W87	WD repeat and FYVE domain-containing protein 1	2	1.38	NA	NA
P19404	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial	2	1.38	NA	NA
Q68314	Histone H2B type 1-K	1	1.38	NA	NA
Q13277	Syntaxin-3	1	1.38	NA	NA
Q89V19	F ₁ nucleotidase domain-containing protein 3	1	1.38	NA	NA
Q89V19	F ₁ nucleotidase domain-containing protein 3	1	1.38	NA	NA
P50914	THO complex subunit 4	2	1.38	NA	NA
P50914	60S ribosomal protein L14	5	1.38	0.066	6.2E-03
P30049	ATP synthase subunit delta, mitochondrial	5	1.38	0.081	1.7E-02
Q89B00	Allograft inflammatory factor 1-like	3	1.38	0.130	1.3E-01
P20711	Glutathione S-transferase theta-1	1	1.37	NA	NA
Q07020	60S ribosomal protein L18	5	1.37	0.142	8.9E-02
Q05660	Syntenin-1	3	1.37	0.029	8.1E-03
P64244	60S ribosomal protein L7a	5	1.37	0.073	6.5E-02
Q13151	Heterogeneous nuclear ribonucleoprotein A0	4	1.37	0.065	1.7E-02
Q6J4V4	Coronin-1C	2	1.37	NA	NA
Q8747	Serine/threonine-protein kinase OSR1	1	1.37	NA	NA
Q87X2	Acyl-coenzyme A thioesterase 1	2	1.36	NA	NA
Q6JXV4	Acopoprotein O-like	1	1.36	NA	NA
Q03136	3-ketohydroxyacyl-CoA synthase	1	1.36	NA	NA
Q8N3V7	Sulfatase-modifying factor 2	1	1.36	NA	NA
P51981	14-3-3 protein gamma	3	1.36	0.059	3.2E-02
P69574	Cytochrome c-1, heme protein, mitochondrial	2	1.36	NA	NA
P52665	Double-stranded RNA-specific adenosine deaminase	3	1.36	0.145	1.7E-01
Q14738	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform	1	1.36	NA	NA
P53634	Dipeptidyl peptidase 1	1	1.36	NA	NA
Q69879	Histone H2B type 1-M	1	1.36	NA	NA
Q05519	Serine/arginine-rich splicing factor 11	1	1.35	NA	NA
P62249	40S ribosomal protein S16	5	1.35	0.052	4.2E-03
Q02022	Guanine nucleotide-binding protein G(i)(G(S)G(O)) subunit gamma-7	1	1.35	NA	NA
P20602	Proteasome subunit beta type-5	1	1.35	NA	NA
P30084	Enoyl-CoA hydratase, mitochondrial	3	1.35	0.113	1.2E-01
P20599	Polypyrimidine tract-binding protein 1	4	1.34	0.127	1.0E-01
P20602	Elongation factor 1-delta	5	1.34	0.131	9.6E-02
P50502	Hsc70 interacting protein	4	1.34	0.108	7.2E-02
Q8JUA8	Dremin-like protein	1	1.34	NA	NA
Q14165	Mafectin	5	1.34	0.091	3.2E-02
Q9Y280	Protein canopy homolog 2	4	1.34	0.187	2.1E-01
P52688	60S ribosomal protein L22	1	1.34	NA	NA
P51532	Transcription activator BRG1	1	1.34	NA	NA
Q43809	Cleavage and polyadenylation specificity factor subunit 5	3	1.34	0.163	2.2E-01
P14978	Small nuclear ribonucleoprotein-associated proteins B and B'	1	1.34	NA	NA
P62641	Elongation factor 1-gamma	5	1.34	0.091	3.2E-02
Q6ZC78	Mitochondrial fission factor	2	1.34	NA	NA
P51953	60S ribosomal protein L27	5	1.34	0.101	4.5E-02
P51148	Ras-related protein Rab-5C	1	1.33	NA	NA
Q8JRX3	Presequence protease, mitochondrial	3	1.33	0.213	3.1E-01
P19971	Thymidine phosphorylase	1	1.33	NA	NA
Q68531	Apoptosis-inducing factor 1, mitochondrial	1	1.33	NA	NA
Q89FV1	Ubiquitin thioesterase OTUB1	2	1.33	NA	NA
P14866	Heterogeneous nuclear ribonucleoprotein L	5	1.32	0.107	5.8E-02
P13010	X-ray repair cross-complementing protein 5	5	1.32	0.053	6.2E-03
P52269	40S ribosomal protein S18	5	1.32	0.064	2.9E-02
Q8TAC2	SWSNF complex subunit SMARCC2	2	1.32	NA	NA
P46778	60S ribosomal protein L21	3	1.32	0.107	1.2E-01
Q8N5E4	Isochorate--tRNA ligase, mitochondrial	2	1.32	0.166	2.0E-01
P50874	Poly (ADP-ribose) polymerase 1	5	1.31	0.108	6.5E-02
BSME19	Eukaryotic translation initiation factor 3 subunit C-like protein	5	1.31	0.122	9.0E-02
Q89Z08	Protein Niban	4	1.31	0.123	1.0E-01
Q14737	Programmed cell death protein 5	1	1.31	NA	NA
P55192	Methionine--tRNA ligase, cytoplasmic	2	1.31	NA	NA
P62913	60S ribosomal protein L11	4	1.31	0.062	2.3E-02
Q14561	Acy1 carrier protein, mitochondrial	4	1.31	0.124	1.2E-01
Q89V95	Cullin-associated NEDD8-dissociated protein 1	5	1.31	0.108	6.8E-02
Q89Y95	Transmembrane protein 192	1	1.31	NA	NA
P51040	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	5	1.30	0.068	1.8E-02
Q8NP40	ER membrane protein complex subunit 7	1	1.30	NA	NA
P26640	Valine--tRNA ligase	4	1.30	0.090	6.1E-02
P51313	60S ribosomal protein L15	2	1.30	NA	NA
P14864	Cytochrome c oxidase subunit 6B1	1	1.30	0.091	3.2E-02
Q8HD20	Manganese-transferring ATPase 13A1	2	1.30	NA	NA
P69965	Hemoglobin subunit alpha	5	1.30	0.161	1.6E-01
P69866	60S ribosomal protein S20	5	1.30	0.119	6.9E-02
Q11216	Glycogen phosphorylase, brain form	5	1.29	0.117	9.5E-02
Q02878	60S ribosomal protein L5	5	1.29	0.119	1.0E-01
Q16531	DNA damage-binding protein 1	3	1.29	0.041	2.5E-02
P26885	Peptidyl prolyl cis-trans isomerase FKBP2	2	1.29	NA	NA
P11204	ADP-ribosylation factor 3	3	1.29	0.116	1.6E-01
Q8NBJ5	Procollagen galactosyltransferase 1	1	1.29	NA	NA
Q12913	Receptor tyrosine protein phosphatase eta	3	1.29	0.178	2.9E-01
P10644	cAMP-dependent protein kinase type I-alpha regulatory subunit	5	1.29	0.115	6.4E-02
Q8NC56	LEM domain-containing protein 2	4	1.28	0.029	3.1E-03

Table S17 Average Non-Metastatic Tumors

P11442	Heat shock cognate 71 kDa protein	5	1.28	0.065	1.8E-02
Q8R043	OXA domain-containing protein 1	1	1.28	NA	NA
P20700	Lamin-B1	5	1.28	0.052	8.7E-03
P38404	ADP-ribosylation factor-like protein 2	1	1.28	NA	NA
P30740	Leukocyte elastase inhibitor	4	1.28	0.112	1.1E-01
Q9H0J4	Ras-related protein Rab-1B	1	1.28	NA	NA
P15586	N-acetylglucosamine-6-sulfatase	3	1.28	0.276	4.7E-01
Q92841	Probable ATP-dependent RNA helicase DDX17	5	1.28	0.028	9.5E-04
P07203	Glutathione peroxidase 1	2	1.28	NA	NA
O14745	Na(+)/H(+) exchange regulatory cofactor NHE-RF1	2	1.28	NA	NA
P46459	Glutathione S-transferase theta-2	1	1.27	NA	NA
P02042	Hemoglobin subunit delta	5	1.27	0.229	3.5E-01
OT5336	Vesicle-trafficking protein SEC22b	3	1.27	0.107	1.5E-01
Q9Y411	Unconventional myosin-V	4	1.27	0.085	6.7E-02
Q00341	Vglinin	2	1.27	NA	NA
Q07668	KH domain-containing, RNA-binding, signal transduction-associated protein 1	5	1.27	0.098	6.7E-02
Q6UVK1	Chondroitin sulfate proteoglycan 4	4	1.27	0.234	3.8E-01
OT9947	ATP synthase subunit 6, mitochondrial	5	1.27	0.065	2.2E-02
P21912	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	5	1.27	0.120	1.2E-01
P01859	Ig gamma-2 chain C region	5	1.27	0.192	2.8E-01
P12956	X-ray repair cross-complementing protein 6	5	1.27	0.049	8.2E-03
P52272	Heterogeneous nuclear ribonucleoprotein M	5	1.27	0.092	6.2E-02
P34952	Heat shock 70 kDa protein 4	5	1.27	0.073	3.2E-02
Q13011	Delta(3,5)-Delta(2,4)-sterolyl-CoA isomerase, mitochondrial	5	1.27	0.142	1.7E-01
P00555	Aspartate aminotransferase, mitochondrial	5	1.27	0.089	5.9E-02
P02040	Ras-related protein Rab-6A	1	1.26	NA	NA
Q9R1V7	ATPase family AAA domain-containing protein 3A	1	1.26	NA	NA
P78347	General transcription factor II-I	4	1.26	0.085	7.1E-02
Q90969	Cytochrome c oxidase subunit 8C	5	1.26	0.098	7.7E-02
P49821	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	5	1.26	NA	NA
P38117	Electron transfer flavoprotein subunit beta	5	1.26	0.029	1.3E-03
Q16762	Thioalate sulfurtransferase	1	1.26	NA	NA
P11421	V-type proton ATPase subunit d 1	2	1.12	0.112	1.6E-01
O43598	Z'-deoxydeucoside 5'-phosphatase 1	2	1.26	NA	NA
P38606	V-type proton ATPase catalytic subunit A	5	1.25	0.201	3.2E-01
Q15144	Actin-related protein 2/3 complex subunit 2	5	1.25	0.048	9.2E-03
P22061	Protein-L-isoaspartate (D-aspartate) O-methyltransferase	1	1.25	NA	NA
Q9Y242	Band 4.1-like protein 3	2	1.25	NA	NA
Q9N859	Thioredoxin domain-containing protein 5	5	1.25	0.128	1.5E-01
P15927	Hexokinase-1	4	1.25	0.214	3.7E-01
P40429	60S ribosomal protein L13a	5	1.25	0.095	3.3E-02
P50213	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial	5	1.25	0.134	1.7E-01
P09897	Palmitoyl-protein thioesterase 1	1	1.25	NA	NA
Q9Y0X3	Sorting nexin-5	1	1.25	NA	NA
P62899	60S ribosomal protein L31	3	1.25	0.139	2.5E-01
OT5367	Core histone macro-H2A.1	5	1.24	0.048	1.1E-02
P48411	Elongation factor Tu, mitochondrial	3	1.23	0.063	2.6E-02
Q9BR76	Coronin-1B	4	1.24	0.101	1.2E-01
P04233	HLA class II histocompatibility antigen gamma chain	1	1.24	NA	NA
P01625	Ig kappa chain V IV region Lmi	2	1.24	NA	NA
P05198	Eukaryotic translation initiation factor 2 subunit 1	3	1.24	0.110	1.9E-01
OT5489	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	5	1.24	0.037	4.3E-03
Q9UHQ9	NADH-cytochrome b5 reductase 1	5	1.24	0.072	1.1E-02
P62753	40S ribosomal protein S6	5	1.24	0.063	2.8E-02
P02058	Histone H2A type 1	3	1.23	0.213	4.3E-01
P09728	Z'-5'-oligoadenylate synthase 2	1	1.23	NA	NA
P49755	Transmembrane emp24 domain-containing protein 10	3	1.23	0.088	9.1E-02
Q00006	Heterogeneous nuclear ribonucleoprotein Q	2	1.12	0.112	1.6E-01
P02810	Calpastatin	2	1.22	NA	NA
Q9L855	CDK5 regulatory subunit-associated complex 3	2	1.22	NA	NA
Q00029	Glutathione S-transferase theta-2	2	1.22	NA	NA
Q14974	Importin subunit beta-1	5	1.22	0.143	2.3E-01
Q13459	Unconventional myosin-Xb	1	1.22	NA	NA
P39598	26S protease regulatory subunit 7	3	1.22	0.096	1.8E-01
P08107	Heat shock 70 kDa protein 1A/1B	5	1.22	0.178	3.8E-01
P13796	Plastin-2	2	1.22	NA	NA
P14314	Glucosidase 2 subunit beta	5	1.22	0.133	2.2E-01
O43390	Heterogeneous nuclear ribonucleoprotein R	5	1.21	0.151	2.7E-01
Q14847	LIM and SH3 domain protein 1	5	1.21	0.199	4.2E-01
Q49227	Protein ERGIC-53	2	1.21	NA	NA
Q05397	Focal adhesion kinase 1	1	1.21	NA	NA
Q9Y968	CO2-associated protein 1	1	1.21	NA	NA
Q99553	Calnesurin B homologous protein 1	2	1.21	NA	NA
O15143	Actin-related protein 2/3 complex subunit 1B	2	1.21	NA	NA
P23756	Carmitin O-palmitoyltransferase 2, mitochondrial	1	1.21	NA	NA
Q02252	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial	5	1.21	0.076	6.8E-02
P49591	Serine-IRNA ligase, cytoplasmic	4	1.21	0.084	1.4E-01
P43866	26S protease regulatory subunit 6B	4	1.20	0.041	2.0E-02
Q90922	Dihydrodipoyl dehydrogenase, mitochondrial	5	1.20	0.087	1.0E-01
P49584	Short-branched chain specific acyl-CoA dehydrogenase, mitochondrial	2	1.20	NA	NA
Q9P269	Ribosome-binding protein 1	5	1.20	0.055	2.9E-02
Q9P9K7	Ankyrin	1	1.20	NA	NA
P14968	Aspartate-tRNA ligase, cytoplasmic	1	1.20	0.102	1.5E-01
Q13409	Cytoplasmic dynein 1 intermediate chain 2	1	1.20	NA	NA
P06730	Eukaryotic translation initiation factor 4E	1	1.20	NA	NA
Q43852	Kalmanin	1	1.20	0.064	1.5E-01
P31949	Protein S100A11	4	1.20	0.223	4.8E-01
Q02818	Ruocobindin-1	5	1.20	0.156	3.1E-01
Q14152	Eukaryotic translation initiation factor 3 subunit A	5	1.20	0.096	1.4E-01
Q03519	Antigen peptide transporter 2	1	1.19	NA	NA
P56378	60S ribosomal protein L4	5	1.19	0.099	1.5E-01
P53960	IST1 homolog	1	1.19	NA	NA
O65202	LETM1 and EF-hand domain-containing protein 1, mitochondrial	4	1.19	0.133	2.8E-01
P72255	Hippocampin-like protein 1	1	1.19	NA	NA
P01857	Ig gamma-1 chain C region	5	1.19	0.162	3.5E-01
P52669	60S ribosomal protein L9	5	1.19	0.071	7.2E-02
Q90949	ADP-ribosylation factor-like protein 8A	2	1.19	NA	NA
Q9Y282	Eukaryotic translation initiation factor 3 subunit L	4	1.18	0.083	1.3E-01
P01572	B-cell receptor-associated complex 31	5	1.18	0.108	1.8E-01
P23366	40S ribosomal protein S3	5	1.18	0.084	1.2E-01
P62277	40S ribosomal protein S13	5	1.18	0.096	1.6E-01
Q02896	Golgi apparatus protein 1	2	1.18	NA	NA
P45880	Voltage-dependent anion-selective channel protein 2	5	1.18	0.047	2.5E-02
P09402	Emerin	5	1.18	0.131	2.8E-01
Q90225	Apoptosis inhibitor 5	3	1.18	0.039	3.3E-02
P15311	Ezrin	3	1.18	0.091	2.1E-01
P62786	Thymosin	2	1.18	NA	NA
Q95535	Heterochromatin protein 1-binding protein 3	4	1.17	0.228	5.5E-01
P61158	Actin-related protein 3	5	1.17	0.116	2.4E-01
Q90923	Prohibitin-2	5	1.17	0.068	8.2E-02
Q9Y285	RuvB-like 1	1	1.17	NA	NA
P17844	Probable ATP-dependent RNA helicase DDX5	5	1.17	0.104	2.1E-01
P38919	Eukaryotic initiation factor 4A-III	3	1.17	0.188	5.9E-01
P46779	60S ribosomal protein L28	2	1.17	NA	NA
Q14817	AP-3 complex subunit delta-1	1	1.16	NA	NA
Q08830	Peptide deformin-1	5	1.16	0.139	3.1E-01
Q9BLP2	Knectin	5	1.16	0.113	2.5E-01
O14949	Cytochrome b-c1 complex subunit 6	1	1.16	NA	NA
P15880	40S ribosomal protein S2	5	1.16	0.102	2.2E-01
P48047	ATP synthase subunit O, mitochondrial	5	1.16	0.055	5.7E-02
P07108	Signal recognition particle 14 kDa protein	4	1.16	0.110	2.8E-01
P30101	Protein disulfide-isomerase A3	5	1.15	0.145	3.6E-01
P30048	Thioredoxin-dependent peroxide reductase, mitochondrial	5	1.15	0.127	3.3E-01
Q5JW72	Guanine nucleotide-binding protein (G <i>q</i>) subunit alpha isoforms XLas	2	1.15	NA	NA
P17858	ATP-dependent epsilon-phosphotransferase, liver type	5	1.15	0.062	1.1E-01
P49327	Fatty acid synthase	2	1.15	NA	NA
P76371	T-complex protein 1 subunit beta	5	1.15	0.077	7.0E-02
P11310	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial	3	1.15	0.078	2.2E-01
P12236	ADP/ATP translocase 3	2	1.14	NA	NA
Q15008	26S proteasome non-ATPase regulatory subunit 6	2	1.14	NA	NA
P46782	40S ribosomal protein S5	4	1.14	0.094	2.5E-01
Q9NDX7	Spartin	1	1.14	NA	NA
P13934	Electron transfer flavoprotein subunit alpha, mitochondrial	1	1.14	NA	NA
A11070	Acetolactate synthase-like protein	2	1.14	NA	NA
P06576	ATP synthase subunit beta, mitochondrial	5	1.14	0.079	1.7E-01
Q15691	Mitochondrial-associated protein RPIIB family member 1	2	1.13	0.123	3.0E-01
P31146	Coronin-1A	2	1.14	NA	NA
Q9P0L0	Vesicle-associated membrane protein-associated protein A	3	1.14	0.308	7.1E-01
Q90973	Protein arginine N-methyltransferase 1	2	1.14	NA	NA
P23284	Pepdyl prolyl cis-trans isomerase B	5	1.14	0.218	5.9E-01
P56873	Serine/threonine-protein phosphatase PP1 gamma catalytic subunit	1	1.14	NA	NA
Q13283	Ras GTPase-activating protein-binding protein 1	3	1.14	0.070	2.1E-01
Q9N7K5	Osp-like ATPase 1	2	1.13	NA	NA
P59998	Actin-related protein 2/3 complex subunit 4	5	1.13	0.088	2.2E-01
P51665	26S proteasome non-ATPase regulatory subunit 7	3	1.13	0.078	2.5E-01
Q9Y5M8	Signal recognition particle receptor subunit beta	2	1.13	NA	NA
Q14980	Exportin-1	2	1.13	NA	NA
P27787	Calreticulin	5	1.13	0.105	3.0E-01
Q96224	Far upstream element-binding protein 3	1	1.13	NA	NA
P27708	CAO protein	3	1.13	0.028	4.7E-02
P30153	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	5	1.13	0.062	1.2E-01
P71281	V-type proton ATPase subunit B, brain isoform	5	1.13	0.152	4.6E-01
P60454	Serpin H1	5	1.13	0.075	1.6E-01
P08543	V-type proton ATPase subunit E 1	3	1.13	0.200	6.0E-01
Q95716	Ras-related protein Rab-3D	1	1.13	NA	NA
P11586	C-1-tetrahydrofolate synthase, cytoplasmic	5	1.13	0.063	1.3E-01
O14773	Tripeptidyl-peptidase 1	5	1.13	0.201	5.8E-01
P20645	Calcium-dependent mannose-6-phosphate receptor	3	1.13	0.103	3.7E-01
P62081	40S ribosomal protein S7	2	1.13	NA	NA
Q13423	NAD(P) transhydrogenase, mitochondrial	5	1.13	0.177	5.4E-01
P20645	Prelinin-A/C	2	1.13	0.109	3.8E-01
O60493	Sorting nexin-3	2	1.12	NA	NA
O00021	26S proteasome non-ATPase regulatory subunit 11	5	1.12	0.109	3.2E-01
P46109	Crk-like protein	4	1.12	NA	NA
P62318	Small nuclear ribonucleoprotein Sm D3	4	1.12	0.074	2.2E-01
P54136	Arginine-tRNA ligase, cytoplasmic	4	1.12	0.088	3.3E-01
P30533	Alpha-2-macroglobulin receptor-associated protein	3	1.12	0.153	5.4E-01
P39023	60S ribosomal protein L3	5	1.12	0.057	1.2E-01
Q13310	Polysialyltransferase-binding protein 4	2	1.12	NA	NA
Q10718	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5	1	1.12	NA	NA
Q90WV6	Stimulator of interferon genes protein	1	1.12	NA	NA
Q15717	ELAV-like protein 1	1	1.12	0.143	4.8E-01
Q99442	Translocation protein SEC22	4	1.12	0.070	2.1E-01
P23288	NAD-dependent malic enzyme, mitochondrial	1	1.12	NA	NA
P18124	60S ribosomal protein L7	5	1.12	0.079	2.4E-01
Q09442	Translocation protein SEC22	4	1.12	0.070	2.1E-01
P11387	DNA topoisomerase I	1	1.11	NA	NA
O60486	Plexin-C1	3	1.11	0.043	1.3E-01
Q93H12	Acylglycerol kinase, mitochondrial	1	1.11	NA	NA
Q9UJ17	GTP-AMP phosphotransferase AK3, mitochondrial	5	1.11	0.121	4.3E-01
P05388	60S acidic ribosomal protein P0	5	1.11	0.106	3.8E-01
P78527	DNA-dependent protein kinase catalytic subunit	5	1.11	0.073	2.3E-01
OT5336	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial	5	1.11	0.081	2.7E-01
P61006	Ras-related protein Rab-8A	1	1.11	NA	NA
P09072	U1 small nuclear ribonucleoprotein A	4	1.10	0.212	6.8E-01
Q02643	60S ribosomal protein L18a	4	1.10	0.091	1.6E-01
P28838	Cytosol aminopeptidase	4	1.10	0.187	6.1E-01

Table S17 Average Non-Metastatic Tumors

P10606	Cytochrome c oxidase subunit 6B, mitochondrial	5	1.10	0.100	4.1E-01
Q13588	Sorting nexin-1	4	1.10	0.117	4.8E-01
P30050	60S ribosomal protein L12	3	1.10	0.091	4.2E-01
P25705	ATP synthase subunit alpha, mitochondrial	5	1.09	0.076	3.0E-01
Q80470	Serratia RNA effector molecule homolog	1	NA	NA	NA
P54709	Sodium/potassium-transporting ATPase subunit beta-3	5	1.09	0.059	2.2E-01
P62627	ATP-dependent 6-phosphofructokinase, muscle type	5	1.08	0.077	3.3E-01
P11177	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial	4	1.08	0.067	3.0E-01
Q9Y230	RuvB-like 2	4	1.09	0.122	5.4E-01
P62917	60S ribosomal protein L8	4	1.09	0.127	5.6E-01
Q92568	Heat shock protein 105 kDa	4	1.09	0.111	5.9E-01
Q15233	Non-POU domain-containing octamer-binding protein	5	1.09	0.110	5.0E-01
PA3480	Nicotinamide phosphoribosyltransferase	3	1.08	0.109	5.3E-01
O73540	Programmed cell death protein 6	2	1.08	NA	NA
P13073	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	5	1.08	0.121	5.7E-01
O15173	Membrane-associated progesterone receptor component 2	4	1.08	0.058	2.3E-01
P62979	Ubiquitin-40S ribosomal protein S27a	2	1.08	NA	NA
P18077	60S ribosomal protein L35a	2	1.08	NA	NA
Q68433	Coiled-coil domain-containing protein 47	1	1.07	NA	NA
O65881	Thioredoxin domain-containing protein 12	2	1.07	NA	NA
Q13228	Selenium-binding protein 1	4	1.07	0.212	7.6E-01
P09331	NADH ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	5	1.07	0.111	5.9E-01
Q14697	Neutral alpha-glucosidase AB	5	1.07	0.118	6.1E-01
PA6840	Ras GTPase-activating like protein IQGAP1	5	1.07	0.152	7.0E-01
Q13347	Eukaryotic translation initiation factor 3 subunit 1	1	1.06	NA	NA
O60664	Perlepin-3	3	1.06	0.086	5.5E-01
P35542	ATP synthase subunit gamma, mitochondrial	1	1.06	NA	NA
O00303	Eukaryotic translation initiation factor 3 subunit F	2	1.06	NA	NA
O94906	Pre-mRNA processing factor 6	1	1.06	NA	NA
PA2187	Lamina-associated polypeptide 2, isoforms beta/gamma	5	1.06	0.229	8.2E-01
PA2858	Huntingtin	1	1.06	NA	NA
O60568	Procollagen-lysine 2-oxoglutarate 5-dioxygenase 3	1	1.05	NA	NA
P27011	40S ribosomal protein S4, X isoform	5	1.05	0.104	6.4E-01
P29590	Protein PML	4	1.05	0.273	8.6E-01
O60298	NADH dehydrogenase [ubiquinone] 1 subunit C2	1	1.05	NA	NA
Q73523	Protein Naprap homolog 2	2	1.05	NA	NA
Q72745	Transmembrane emp24 domain-containing protein 4	1	1.05	NA	NA
O75844	ATP synthase subunit g, mitochondrial	5	1.05	0.059	4.4E-01
P56566	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 6	1	1.05	NA	NA
Q14980	Nuclear mitotic apparatus protein 1	5	1.05	0.036	2.3E-01
Q8H101	Ras-related protein Rab-2B	1	1.05	NA	NA
P63000	Ras-related C3 botulinum toxin substrate 1	4	1.05	0.064	5.0E-01
O75843	U5 small nuclear ribonucleoprotein 200 kDa helicase	4	1.05	0.127	7.3E-01
P51531	Prostate-glial transcription activator SNF2L1	1	1.05	NA	NA
Q27811	Inverted formin-2	3	1.05	0.127	7.5E-01
Q15385	Poly(C)-binding protein 1	5	1.05	0.178	8.1E-01
Q8H101	Thioredoxin-related transmembrane protein 1	1	1.05	NA	NA
Q96A24	Far upstream element-binding protein 1	4	1.04	0.062	5.3E-01
Q69K61	CDGSH iron-sulfur domain-containing protein 2	5	1.04	0.063	6.3E-01
P22307	Non-specific lipid transfer protein	1	1.04	NA	NA
P01860	Ig gamma 3 chain C region	5	1.04	0.121	7.4E-01
Q8P209	Pre-miRNA-processing splicing factor 8	2	1.04	NA	NA
P22059	Oxyester-binding protein 1	1	1.04	NA	NA
P07063	Histone H2B type F-3	2	1.04	NA	NA
P24752	Acetyl-CoA acetyltransferase, mitochondrial	5	1.04	0.115	7.6E-01
P01023	Alpha 2-macroglobulin	5	1.04	0.089	7.0E-01
PA6977	Dolichyl-diphosphocholesterol-protein glycosyltransferase subunit STT3A	3	1.03	0.150	8.4E-01
PA4304	Glycerol-3-phosphate dehydrogenase, mitochondrial	5	1.03	0.164	8.9E-01
PA6781	40S ribosomal protein S9	5	1.03	0.070	6.6E-01
P01019	Ras-related protein Rab-2A	1	1.03	NA	NA
Q01844	RNA-binding protein EWS	2	1.03	0.073	7.0E-01
P11940	Polyadenylate-binding protein 1	5	1.03	0.030	3.8E-01
Q69829	Coprin-1	1	1.03	NA	NA
Q9Y354	Dehydrogenase/reductase SDR family member 7	1	1.03	NA	NA
P22695	Cytochrome b-c1 complex subunit 2, mitochondrial	5	1.02	0.118	8.4E-01
P62887	Ubiquitin-60S ribosomal protein L40	3	1.02	0.042	3.2E-01
P61160	Actin-related protein 2	5	1.02	0.031	4.8E-01
O43681	ATPase ASNA1	3	1.02	0.282	9.4E-01
PA4440	HLA class I histocompatibility antigen, DP beta 1 chain	1	1.02	NA	NA
P07237	Protein disulfide-isomerase	5	1.02	0.082	8.2E-01
PA6588	Alamine-rRNA ligase, cytoplasmic	1	1.02	NA	NA
P03688	Splicing factor LQAF 65 kDa subunit	4	1.02	0.065	8.4E-01
P01889	HLA class I histocompatibility antigen, B-7 alpha chain	1	1.02	NA	NA
Q13383	Splicing factor 3B subunit 1	2	1.02	NA	NA
Q8H101	Gamma-rich repeat-containing protein 47	5	1.02	0.245	9.5E-01
P30519	Heme oxygenase 2	4	1.01	0.101	8.9E-01
P11488	Heme oxygenase 2	2	1.01	NA	NA
P36955	Pigment epithelium-derived factor	1	1.01	NA	NA
Q8H101	Prefoldin subunit 2	2	1.01	NA	NA
P51368	26S ribosomal protein S28, mitochondrial	1	1.01	NA	NA
Q69R08	Redox-regulatory protein FAM213A	5	1.01	0.090	9.2E-01
Q8Z028	Endoplasmic reticulum aminopeptidase 1	2	1.01	NA	NA
P20714	Cytochrome c oxidase subunit 6A, mitochondrial	5	1.01	0.135	9.5E-01
Q8Y1W2	Tetrapeptide repeat protein 40	1	1.01	NA	NA
Q8W726	RNA-binding protein 12	2	1.00	NA	NA
Q13023	Reticulocalbin-1	1	1.00	0.247	9.8E-01
P62444	40S ribosomal protein S15a	4	1.00	0.058	9.5E-01
Q8H101	Methylcronyl-CoA carboxylase beta chain, mitochondrial	1	1.00	NA	NA
Q6AA69	Regulator complex protein LAMTOR1	2	1.00	NA	NA
Q7K274	Staphylococcal nuclease domain-containing protein 1	5	1.00	0.077	9.8E-01
Q8H101	Phosphatidylinoside phosphatase SAC1	4	1.00	0.134	9.8E-01
Q13162	Peroxiredoxin-4	5	1.00	0.126	9.9E-01
Q12084	Protein disulfide-isomerase A6	5	1.00	0.118	9.9E-01
Q14789	Golgin subfamily B member 1	1	1.00	NA	NA
O00410	Imporin-5	1	1.00	NA	NA
Q8P297	Succinyl-CoA ligase (ADP-forming) subunit beta, mitochondrial	4	1.00	0.076	9.7E-01
Q8H101	3-hydroxyacyl-CoA dehydrogenase type-2	9	1.00	0.150	9.9E-01
Q15029	116 kDa U5 small nuclear ribonucleoprotein component	2	0.99	NA	NA
P01225	Ras-related protein Rap-2b	4	0.99	0.071	9.2E-01
P23266	Phosphatidylinositol 4-kinase alpha	4	0.99	NA	NA
P35637	RNA-binding protein FUS	4	0.99	0.138	9.5E-01
O75521	Eryoyl-CoA delta isomerase 2, mitochondrial	3	0.99	0.129	9.5E-01
P68871	Hemoglobin subunit beta	5	0.99	0.240	8.7E-01
Q9Y318	60S ribosomal protein L38	5	0.99	0.063	8.8E-01
Q16851	UTP-glucose-1-phosphate uridylyltransferase	3	0.99	0.159	9.3E-01
P29966	Myristoylated alanine-rich C-kinase substrate	5	0.98	0.101	8.8E-01
Q69W27	Nuclear pore complex protein Nup85	1	0.98	NA	NA
PA7987	Glutamine-rRNA ligase	1	0.98	NA	NA
Q9Y512	Sorting and assembly machinery component 50 homolog	1	0.98	NA	NA
PA3243	Mafin-3	2	0.98	NA	NA
P62316	Small nuclear ribonucleoprotein Sm D2	2	0.98	NA	NA
P13473	Lysosome-associated membrane glycoprotein 2	2	0.98	NA	NA
P65107	Hitgin beta-2	3	0.98	0.245	9.4E-01
P61026	Ras-related protein Rab-10	5	0.98	0.075	7.8E-01
P69957	Dihydrodipicolinate synthase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	5	0.98	0.115	8.5E-01
P14827	Cytochrome b-c1 complex subunit 7	5	0.98	0.088	7.8E-01
O85302	Peptidyl prolyl cis-trans isomerase FKBP9	2	0.97	NA	NA
PA2765	3-ketoacyl-CoA thioesterase, mitochondrial	5	0.97	0.080	7.4E-01
P66559	Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial	3	0.97	0.113	8.2E-01
Q96905	Transmembrane 9 superfamily member 2	1	0.97	NA	NA
P60228	Eukaryotic translation initiation factor 3 subunit E	2	0.97	NA	NA
Q8V172	Protein ANNAK2	2	0.97	NA	NA
P62333	26S protease regulatory subunit 10B	1	0.97	NA	NA
P68134	Rho-related GTP-binding protein RhoC	3	0.96	0.181	8.6E-01
P17931	Galectin-3	3	0.96	0.337	9.1E-01
P17980	26S protease regulatory subunit 6A	3	0.96	0.200	8.6E-01
P13169	Dnal homolog subfamily A member 1	3	0.96	0.077	6.6E-01
Q5C0E8	Protein Langkang	1	0.96	NA	NA
Q69K61	Vacuolar protein sorting-associated protein 35	3	0.96	0.025	2.4E-01
PA7885	Cytochrome b-c1 complex subunit 10a, mitochondrial	5	0.96	0.119	8.9E-01
P11021	78 kDa glucose-regulated protein	5	0.96	0.068	5.8E-01
P65884	Eukaryotic translation initiation factor 3 subunit B	4	0.96	0.148	7.9E-01
PA0227	T-complex protein 1 subunit zeta	5	0.96	0.108	7.3E-01
P53618	Coatomer subunit beta	4	0.95	0.088	6.3E-01
Q6N917	Sorting nexin-6	4	0.95	0.072	5.7E-01
Q14108	Lysosome membrane protein 2	6	0.95	0.166	6.3E-01
Q6C119	EF-hand domain-containing protein D2	1	0.95	NA	NA
P60763	Ras-related C3 botulinum toxin substrate 3	1	0.95	NA	NA
P10515	Dihydrodipicolinate synthase component of pyruvate dehydrogenase complex, mitochondrial	4	0.95	0.045	3.7E-01
Q8NY12	UDP-glucose glycoprotein glucosyltransferase 1	3	0.95	0.122	7.3E-01
Q16891	Mitochondrial inner membrane protein	5	0.95	0.105	6.6E-01
P26038	Moesin	5	0.95	0.080	5.7E-01
P27824	Calnesin	5	0.95	0.122	7.0E-01
P78344	Eukaryotic translation initiation factor 4 gamma 2	1	0.95	NA	NA
O8UMX5	Neudasin	2	0.95	NA	NA
P27144	Adenylylate kinase 4, mitochondrial	1	0.95	NA	NA
Q18698	2,4-dioxygluconate reductase, mitochondrial	4	0.95	0.239	8.3E-01
PA6881	Neslin	5	0.95	0.328	8.7E-01
Q00577	Transcriptional activator protein Pur-alpha	2	0.95	NA	NA
Q8H101	Regulator of microtubule dynamics protein 3	1	0.94	NA	NA
Q80X00	EMLN-2	1	0.94	NA	NA
Q14683	Structural maintenance of chromosomes protein 1A	5	0.94	0.038	1.8E-01
Q69V06	Transmembrane emp24 domain-containing protein 9	1	0.94	NA	NA
P01586	Transforming protein RhoA	2	0.94	NA	NA
Q66117	Protein disulfide-isomerase TMX3	1	0.94	NA	NA
P35606	Coatomer subunit beta'	1	0.94	NA	NA
Q13825	Methylglucosyl-CoA hydrolase, mitochondrial	1	0.94	NA	NA
Q18785	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial	3	0.93	0.053	3.3E-01
Q63050	V-type proton ATPase 116 kDa subunit a isoform 1	4	0.93	0.277	8.2E-01
P71615	Dnal homolog subfamily C member 13	2	0.93	NA	NA
P53688	60S ribosomal protein L30	5	0.93	NA	NA
Q8V629	Cytoplasmic dynein 1 light intermediate chain 1	2	0.93	NA	NA
Q60900	Vacuolar protein sorting-associated protein 29	1	0.93	NA	NA
Q9P040	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13	1	0.92	NA	NA
P131843	Heterogeneous nuclear ribonucleoprotein H	2	0.92	NA	NA
PA6978	Glycoylin-1	1	0.92	NA	NA
PA9368	T-complex protein 1 subunit gamma	5	0.92	0.058	2.1E-01
P61457	Pten-4 alpha carbonic anhydrase dehydratase	1	0.92	NA	NA
P00005	Ig lambda-2 chain C region	4	0.92	0.271	7.7E-01
Q27227	E3 ubiquitin-protein ligase HUWE1	2	0.91	NA	NA
P11279	Lysosome-associated membrane glycoprotein 1	1	0.91	NA	NA
Q76915	PKA1 family protein 3	0	0.91	0.265	7.6E-01
Q8LUX7	Adipocyte enhancer-binding protein 1	1	0.91	NA	NA
P15435	Protein phosphatase 1 regulatory subunit 7	1	0.91	NA	NA
P02990	T-complex protein 1 subunit beta	1	0.91	0.062	2.6E-01
Q60783	General vesicular transport factor p115	1	0.91	NA	NA
Q9Y224	LPRF566 protein C1-101/106	1	0.90	NA	NA
P02774	Vitamin D-binding protein	4	0.90	0.187	5.9E-01
Q6P567	Acylphosphatase FAHD1, mitochondrial	1	0.90	NA	NA
Q13200	26S proteasome non-ATPase regulatory subunit 2	5	0.90	0.102	3.7E-01
P62805	Histone H4	5	0.90	0.062	1.6E-01
P56584	Trifunctional enzyme subunit beta, mitochondrial	5	0.90	0.255	7.0E-01
Q18665	Histone H3.1	4	0.90	0.192	6.1E-01
O43442	26S proteasome non-ATPase regulatory subunit 3	4	0.89	0.047	9.6E-02
P35573	Glyogen debranching enzyme	1	0.89	NA	NA
Q8A0E7	Structural maintenance of chromosomes protein 3	3	0.89	0.063	2.1E-01
Q71D03	Histone H3.2	1	0.89	NA	NA

Table S17 Average Non-Metastatic Tumors

P63092	Guanine nucleotide-binding protein G(s) subunit alpha isoform short	1	0.89	NA	NA
Q6Z270	Abi interactor 1	1	0.89	NA	NA
Q9Y277	Voltage-dependent anion-selective channel protein 3	2	0.89	NA	NA
O02003	AP-3 complex subunit beta 1	2	0.89	NA	NA
P03080	Glutathione reductase, mitochondrial	5	0.89	0.153	5.7E-01
Q9Y223	Decoxynucleoside triphosphate triphosphohydrolase SAMHD1	3	0.88	0.091	3.1E-01
P06991	T-complex protein 1 subunit delta	5	0.88	0.042	4.3E-02
P55072	Transitional endoplasmic reticulum ATPase	5	0.88	0.028	1.1E-02
P67870	Casein kinase II subunit beta	3	0.88	0.189	5.7E-01
O03225	Phosphate carrier protein, mitochondrial	5	0.88	0.045	4.4E-02
P04173	Superoxide dismutase [Mn], mitochondrial	5	0.88	0.025	6.9E-02
P64659	Vesicle-fusing ATPase	2	0.88	NA	NA
Q86526	Endoplasmic reticulum protein 44	5	0.88	0.111	3.6E-01
P24539	ATP synthase F0) complex subunit B1, mitochondrial	5	0.88	0.048	5.0E-02
P48843	T-complex protein 1 subunit epsilon	5	0.87	0.082	9.9E-02
P49756	RNA-binding protein 25	1	0.87	NA	NA
Q15075	Early endosome antigen 1	2	0.87	NA	NA
P01876	Ig alpha-1 chain C region	5	0.87	0.147	4.1E-01
P11050	Cytochrome b-c1 complex subunit 1, mitochondrial	5	0.87	0.119	3.1E-01
O60313	Dynamitin-like 120 kDa protein, mitochondrial	5	0.87	0.060	7.9E-02
P03882	Galectin-1	5	0.87	0.277	6.4E-01
P09643	Z ² -cyclic nucleotide 3'-phosphodiesterase	5	0.87	0.136	3.6E-01
P35221	Catenin alpha-1	4	0.87	0.103	2.8E-01
P49593	Protein phosphatase 1F	2	0.87	NA	NA
Q14258	E3 ubiquitin/SCF1 ligase TRIM25	3	0.87	0.113	3.0E-01
P01834	Ig kappa chain C region	5	0.86	0.160	4.2E-01
Q86932	T-complex protein 1 subunit eta	5	0.86	0.078	1.3E-01
P49039	Trifunctional enzyme subunit alpha, mitochondrial	5	0.86	0.152	4.7E-01
P04043	Cytochrome c oxidase subunit 2	2	0.86	NA	NA
Q17632	26S proteasome non-ATPase regulatory subunit 10	1	0.86	NA	NA
P18859	ATP synthase-coupling factor 6, mitochondrial	3	0.86	0.090	2.3E-01
A0FGP8	Extended syntenin2-like 2	2	0.86	NA	NA
P03162	Retinal dehydrogenase 1	4	0.86	0.325	6.6E-01
Q9JH08	Sepsin-9	5	0.86	0.028	5.1E-03
Q12965	Unconventional myosin-1e	2	0.86	NA	NA
Q15523	ATP-dependent RNA helicase DDX3Y	1	0.85	NA	NA
P49748	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	5	0.85	0.118	2.5E-01
Q62498	ATP-dependent RNA helicase GDX1	4	0.85	0.138	3.1E-01
P54577	Tyrosine-RNA ligase, cytoplasmic	1	0.85	NA	NA
P04843	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 1	5	0.85	0.104	1.9E-01
Q89965	Endoplasmic reticulum-Golgi intermediate compartment protein 1	3	0.85	0.094	3.2E-01
Q53G00	Estradiol 17-beta-dehydrogenase 12	5	0.85	0.186	4.2E-01
P09525	Annexin A4	5	0.84	0.082	1.1E-01
Q13661	Dynactin subunit 2	5	0.84	0.088	1.2E-01
P13867	CD59 glycoprotein	5	0.84	0.144	3.0E-01
P39656	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase 48 kDa subunit	5	0.84	0.073	8.0E-02
Q84988	Guanine nucleotide-binding protein G12(G12R(G)) subunit gamma-12	2	0.84	NA	NA
Q7LSN1	COP9 signalosome complex subunit 6	5	0.84	0.053	3.1E-02
P03953	Cell division control protein 42 homolog	3	0.84	0.118	2.7E-01
Q49425	Guaninase kidney isoform, mitochondrial	1	0.84	NA	NA
O60841	Eukaryotic translation initiation factor 5B	1	0.84	NA	NA
P56876	Histone H2B type 1-D	1	0.84	NA	NA
P35992	Protein transport protein Sec24C	1	0.84	NA	NA
P51812	Ribosomal protein S6 kinase alpha-3	4	0.83	0.151	3.2E-01
P47756	F-actin-capping protein subunit beta	5	0.83	0.081	1.0E-01
P09496	Claflavin light chain A	5	0.83	0.044	1.4E-02
P04844	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 2	5	0.83	0.108	1.7E-01
Q2642	Nicotin	1	0.83	NA	NA
O60608	Mitochondrial import receptor subunit TOM40 homolog	1	0.83	NA	NA
Q69564	Protein S100-A12	5	0.83	0.158	3.0E-01
Q81653	Cell cycle and apoptosis regulator protein 2	1	0.83	NA	NA
P30508	HLA class I histocompatibility antigen, Cw-12 alpha chain	1	0.83	NA	NA
P52907	F-actin-capping protein subunit alpha-1	2	0.83	NA	NA
O60716	Catenin delta-1	5	0.82	0.115	1.7E-01
P35396	ATP-citrate synthase	2	0.82	NA	NA
Q82283	Aldehyde dehydrogenase family 16 member A1	1	0.82	NA	NA
Q9Y4F1	FERM, RhoGEF and plexstrin domain-containing protein 1	1	0.82	NA	NA
Q07065	Receptor expression-enhancing protein 5	5	0.82	0.119	1.7E-01
Q9P048	Core histone macroH2A.2	3	0.82	0.158	3.3E-01
P28065	Proteasome subunit beta type-9	1	0.82	NA	NA
P62909	28S ribosomal protein S36, mitochondrial	1	0.82	NA	NA
P31178	Kinesin-1 heavy chain	3	0.81	0.102	1.8E-01
Q9Y552	Serine/threonine-protein kinase MRCK beta	1	0.81	NA	NA
P46432	Cabain small subunit 1	4	0.81	0.122	1.9E-01
Q43077	Alpha-actinin-4	5	0.81	0.065	3.4E-02
P49420	Alpha-soluble NSF attachment protein	4	0.81	0.138	2.3E-01
Q86946	Endophilin B2	4	0.81	NA	NA
P51116	Fragile X mental retardation syndrome-related protein 2	2	0.81	NA	NA
P52209	Nucleosome assembly protein 1-like 1	1	0.81	NA	NA
Q9H480	E1H domain-containing protein 1	1	0.81	NA	NA
O15212	Prefoldin subunit 6	2	0.80	NA	NA
Q14344	Guanine nucleotide-binding protein subunit alpha-13	4	0.80	0.076	6.0E-02
P07384	Calpain-1 catalytic subunit	5	0.80	0.141	2.6E-01
Q9H223	E1H domain-containing protein 4	2	0.80	NA	NA
P07305	Histone H1 D	5	0.80	0.193	3.0E-01
P14625	Endoplasmic	1	0.79	0.097	7.4E-02
P00918	Carbonic anhydrase 2	1	0.79	NA	NA
Q69816	Tumor susceptibility gene 101 protein	1	0.79	NA	NA
P03055	Histone H2A.Z	5	0.79	0.063	2.1E-02
P13667	Protein disulfide-isomerase A4	5	0.79	0.132	1.5E-01
Q8H205	Estradiol 17-beta-dehydrogenase 11	1	0.79	NA	NA
P26196	Probable ATP-dependent RNA helicase DDX6	4	0.79	0.067	3.8E-02
P62714	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform	1	0.79	NA	NA
Q07865	Cytoskeleton-associated protein 4	5	0.79	0.103	9.8E-02
O84832	Unconventional myosin-1d	5	0.79	0.224	3.5E-01
O65168	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4	1	0.79	NA	NA
Q11518	Adenyl cyclase-associated protein 1	1	0.79	NA	NA
Q15842	Zyxin	4	0.79	0.168	2.5E-01
Q8NF14	Fusative protein FAM10A5	1	0.79	NA	NA
Q8J4J0	Aspartyl aminopeptidase	2	0.79	NA	NA
P27361	Mitogen-activated protein kinase 3	1	0.78	NA	NA
P02647	Apolipoprotein A-I	5	0.78	0.207	4.1E-01
P04640	Catalase	5	0.78	0.159	1.9E-01
P17967	T-complex protein 1 subunit alpha	5	0.78	0.048	6.6E-03
Q93009	Ubiquitin carboxyl-terminal hydrolase 7	4	0.77	0.028	2.6E-03
P35321	Coatomer subunit alpha	5	0.77	0.069	1.9E-02
O00571	ATP-dependent RNA helicase DDX3X	1	0.77	NA	NA
P11069	Alpha-1 antitrypsin	5	0.77	0.142	1.4E-01
P55600	Exportin-2	3	0.77	0.120	1.6E-01
P31842	Heterogeneous nuclear ribonucleoprotein H3	3	0.76	0.209	3.3E-01
Q81G28	Translocation protein SEC23 homolog	1	0.76	NA	NA
Q07157	Tight junction protein ZO-1	1	0.76	NA	NA
P03207	Glutamate dehydrogenase 1, mitochondrial	5	0.76	0.081	1.1E-02
P06969	Phosphorylated hydroxytryptophan oxidase, mitochondrial	1	0.76	NA	NA
P35241	Radixin	1	0.76	NA	NA
Q80608	Sotkin and SH3 domain-containing protein 1	1	0.76	NA	NA
Q03252	Lamin-B2	5	0.76	0.082	2.7E-02
Q15149	Plectin	5	0.76	0.159	1.5E-01
P49419	Alpha-aminoadipic semialdehyde dehydrogenase	1	0.76	NA	NA
P02652	Apolipoprotein A-II	5	0.75	0.216	2.6E-01
Q14558	Phosphoribosyl pyrophosphate synthase-associated protein 1	2	0.75	NA	NA
P44937	Yonke homolog	3	0.75	0.066	9.9E-02
Q9Y4G6	Talin-2	1	0.75	NA	NA
Q9Y305	Acyl-coenzyme A thioesterase 9, mitochondrial	1	0.75	NA	NA
Q13508	COP9 signalosome complex subunit 1	5	0.75	NA	NA
Q12979	Aspartylglucosylaminidase	5	0.75	0.091	3.2E-02
O14735	CDP-diacylglycerol-inositol 3-phosphatidylinositol transferase	1	0.73	NA	NA
Q9Y390	RNA-splicing ligase RPL3D homolog	4	0.73	0.079	2.8E-02
Q69733	Nucleosome assembly protein 1-like 4	1	0.72	NA	NA
P44683	ATP-dependent DNA helicase C1	1	0.72	NA	NA
Q04637	Eukaryotic translation initiation factor 4 gamma 1	2	0.72	NA	NA
P61163	Alpha-centractin	2	0.72	NA	NA
P43307	Translocin-associated protein subunit alpha	5	0.72	0.075	1.2E-02
Q71U36	Tubulin alpha-1A chain	2	0.72	NA	NA
Q15653	Synaptonemal complex protein 1	1	0.72	NA	NA
Q8NKL1	Calcium-binding mitochondrial carrier protein SCaMC-1	1	0.72	0.101	4.6E-02
P03803	Complement factor H	1	0.71	NA	NA
Q8TD19	Serine/threonine-protein kinase Nek9	1	0.71	NA	NA
P17655	Catalin-2 catalytic subunit	4	0.71	0.047	5.2E-03
O65299	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial	1	0.71	NA	NA
P53208	S-phase kinase-associated protein 1	2	0.71	NA	NA
Q96970	Immunoglobulin superfamily member 8	2	0.70	NA	NA
P60709	Actin, cytoplasmic 1	4	0.70	0.089	2.8E-02
Q8N245	CDC58H iron-sulfur domain-containing protein 1	1	0.70	NA	NA
Q75131	Copine-3	3	0.70	0.178	1.8E-01
O64979	Protein transport protein Sec3A	4	0.70	0.087	2.8E-02
Q93055	POZ and LIM domain protein 3	1	0.70	NA	NA
P05023	Sodium/potassium-transporting ATPase subunit alpha-1	5	0.69	0.068	5.9E-03
Q8VJH4	Programmed cell death 6-interacting protein	3	0.69	0.025	4.5E-03
Q8JH53	Prenyltransferase 1	3	0.69	0.084	0.2E-02
P67936	Topoyosin alpha-4 chain	5	0.69	0.156	7.5E-02
O60884	DnaL homolog subfamily A member 2	1	0.69	NA	NA
P13861	cAMP-dependent protein kinase type II-alpha regulatory subunit	5	0.69	0.072	6.4E-03
P49450	Signal recognition particle 9 kDa protein	2	0.68	NA	NA
Q84006	5'-3' exoribonuclease 2	1	0.68	NA	NA
Q8X12	Cell division cycle and apoptosis regulator protein 1	2	0.68	NA	NA
P12235	ADP/ATP translocase 1	3	0.68	0.095	5.6E-02
P11769	Beta-2-microglobulin	4	0.68	0.250	2.2E-01
Q84444	Charged multivesicular body protein 4b	2	0.68	NA	NA
Q66865	NG2(N)G-dimethylarginine dimethylaminohydrolase 2	4	0.68	0.123	5.0E-02
Q14203	Dynactin subunit 1	6	0.68	0.116	2.8E-02
Q16775	Hydroxyacylglutathione hydrolase, mitochondrial	1	0.68	NA	NA
P06689	Histone H2B type 1-J	5	0.68	0.143	5.3E-02
Q02218	2-nicotinate dehydrogenase, mitochondrial	5	0.67	0.097	6.5E-02
O00284	Membrane-associated progesterone receptor component 1	5	0.67	0.157	6.5E-02
Q05682	Caldesmon	5	0.67	0.135	4.2E-02
P63261	Actin, cytoplasmic 2	1	0.67	NA	NA
P17568	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7	1	0.67	NA	NA
Q8H029	Adipocyte plasma membrane-associated protein	4	0.67	0.138	6.2E-02
O75844	CAAX prenyl transferase 1 homolog	1	0.67	NA	NA
P06174	Complement decay-accelerating factor	2	0.66	NA	NA
P42025	Beta-centractin	2	0.66	NA	NA
Q92973	Transportin-1	3	0.66	0.047	1.2E-02
Q13576	Cytoplasmic FMR1-interacting protein 1	2	0.65	NA	NA
P43121	Cell surface glycoprotein MUC18	1	0.65	0.165	9.1E-02
P16425	NADPH-cytochrome P450 reductase	1	0.65	NA	NA
Q97411	Hypoxia up-regulated protein 1	3	0.64	0.195	1.5E-01
P16615	Sarcoplasmic-eroplasmic reticulum calcium ATPase 2	5	0.64	0.110	1.6E-02
Q14204	Cytoplasmic dynein 1 heavy chain 1	5	0.64	0.067	2.8E-03
Q14656	Transmembrane glycoprotein NMB	5	0.64	0.409	3.4E-01
P35222	Catenin beta-1	5	0.64	0.113	1.7E-02
P07437	Tubulin beta chain	2	0.64	NA	NA
P07603	Protein S100-A6	2	0.63	NA	NA
Q9Y6N5	Sulfide quinone oxidoreductase, mitochondrial	5	0.62	0.100	9.1E-03
Q9Y240	C-type lectin domain family 11 member A	1	0.62	NA	NA
Q73246	Calcium-binding mitochondrial carrier protein Aralar1	4	0.62	0.114	2.4E-02
P05091	Aldehyde dehydrogenase, mitochondrial	4	0.61	0.098	1.5E-02

Table S17 Average Non-Metastatic Tumors

P00387	NADH cytochrome b5 reductase 3	5	0.81	0.070	2.2E-03
P00965	Anexin A11	5	0.81	0.104	9.3E-03
P62873	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	2	0.81	NA	NA
Q62959	Sepsin-8	1	0.80	NA	NA
P02511	Alpha-crystallin B chain	5	0.80	0.230	9.2E-02
P06396	Gelsolin	5	0.80	0.244	1.1E-01
Q2VY93	Putative eukaryotic translation initiation factor 2 subunit 3-like protein	1	0.80	NA	NA
Q9NQD3	Retioulon-4	5	0.80	0.202	6.9E-02
P17643	5,6-dihydroxyindole-2-carboxylic acid oxidase	4	0.79	0.627	4.7E-01
P04947	Clathrin light chain B	4	0.79	0.062	7.6E-03
Q96023	Tubulin alpha-1C chain	5	0.79	0.103	3.6E-02
Q10567	AP-1 complex subunit beta-1	2	0.79	NA	NA
P05070	Dynamin-2	1	0.79	NA	NA
Q14650	Myosin regulatory light chain 12B	5	0.78	0.140	1.8E-02
P68371	Tubulin beta-4B chain	3	0.78	0.083	2.3E-02
Q08722	Leukocyte surface antigen CD47	3	0.78	0.009	2.1E-04
P21589	D'-nucleotidase	3	0.78	0.072	1.7E-02
P05560	Myosin-10	5	0.78	0.139	1.7E-02
Q07238	Hsp70H	4	0.78	0.129	2.4E-02
Q43175	D-3-phosphoglycerate dehydrogenase	3	0.77	0.421	3.2E-01
P0C3L5	Complement C4b	3	0.77	0.167	7.9E-02
Q94919	Endonuclease domain-containing 1 protein	3	0.77	0.396	2.9E-01
Q00610	Clathrin heavy chain 1	5	0.77	0.053	4.5E-04
Q6D388	Alastin-3	5	0.76	0.161	2.4E-02
Q13884	Beta-1-syntrophin	1	0.76	NA	NA
P40793	Signal transducer and activator of transcription 3	2	0.76	NA	NA
Q92645	Exocyst complex component 3	2	0.76	NA	NA
Q79555	Fliotilin-1	2	0.76	NA	NA
Q62956	Engulfment and cell motility protein 1	1	0.76	NA	NA
Q06956	Neuroblast differentiation-associated protein AHNAAK	5	0.76	0.126	9.5E-03
P04217	Alpha-1B-glycoprotein	5	0.75	0.134	1.1E-02
Q62373	KN motif and ankyrin repeat domain-containing protein 2	4	0.75	0.257	1.0E-01
P11532	Dystrophin	1	0.75	NA	NA
P01042	Kininogen-1	3	0.75	0.227	1.2E-01
Q72406	Myosin-14	2	0.75	NA	NA
Q11836	Vesicle-associated membrane protein 3	1	0.75	NA	NA
Q67234	Protein TFG	1	0.75	NA	NA
Q01169	Unconventional myosin Ic	5	0.75	0.042	1.4E-04
P00339	Ras-related protein Rab-5A	1	0.75	NA	NA
Q9NV07	Alpha-parvin	2	0.75	NA	NA
Q79523	Dysferlin	1	0.74	NA	NA
P47755	F-actin-capping protein subunit alpha-2	1	0.74	NA	NA
P51659	Peroxisomal multifunctional enzyme type 2	1	0.74	NA	NA
P17012	cAMP-dependent protein kinase catalytic subunit alpha	5	0.74	0.110	5.2E-03
P23634	Plasma membrane calcium-transporting ATPase 4	5	0.74	0.132	9.6E-03
Q9HBL0	Tenon-1	5	0.74	0.184	2.9E-02
Q01444	Ankyrin-2	1	0.74	NA	NA
P48735	Isocitrate dehydrogenase [NADP], mitochondrial	5	0.73	0.121	6.6E-03
Q6S207	Cancer-related nucleoside-triphosphatase	1	0.73	NA	NA
Q6CZ07	Tubulin-related neptis antigen-like	1	0.73	NA	NA
Q14254	Fliotilin-2	4	0.73	0.164	3.0E-02
Q15019	Sepsin-2	4	0.73	0.038	7.4E-05
Q90TV4	Transmembrane protein 43	4	0.73	0.170	3.3E-02
P05362	Intercellular adhesion molecule 1	5	0.72	0.238	5.2E-02
Q05511	Complement factor H-related protein 1	2	0.72	NA	NA
Q94905	Erlin-2	5	0.71	0.097	2.4E-03
Q43301	Heat shock 70 kDa protein 12A	4	0.71	0.114	1.0E-02
Q43605	Putative adenosinephosphorylase 2	2	0.71	NA	NA
P06727	Apolipoprotein A-IV	5	0.71	0.081	1.1E-03
P05556	Integrin beta-1	5	0.71	0.163	2.1E-02
P01863	Putative HLA class I histocompatibility antigen, alpha chain H	5	0.71	NA	NA
Q6S838	Extended synaptotagmin 1	5	0.71	0.217	3.5E-02
Q65197	Retioulon-3	1	0.70	NA	NA
P01903	HLA class II histocompatibility antigen, DR alpha chain	5	0.70	0.318	9.7E-02
Q13418	Integrin-linked protein kinase	1	0.70	NA	NA
P46939	Ungaphin	4	0.70	0.288	9.6E-02
Q9Y490	Talin-1	5	0.70	0.076	7.9E-04
P38405	ADP-ribosylation factor-like protein 3	1	0.70	NA	NA
Q02522	Histone H1x	3	0.70	0.338	1.7E-01
P08133	Annexin A6	5	0.70	0.129	5.6E-03
P21964	Catechol O-methyltransferase	1	0.69	NA	NA
Q9NQZ2	Polymerase I and transcript release factor	5	0.69	0.206	2.8E-02
Q6782	AP-2 complex subunit alpha-1	2	0.69	NA	NA
P12914	Alpha-actinin-1	5	0.69	0.047	1.1E-04
Q14764	Major vault protein	5	0.69	0.145	7.6E-03
P32119	Peroxi-redoxin-2	5	0.68	0.037	4.1E-05
P62073	Anexin A7	5	0.68	NA	NA
Q16181	Sepsin-1	5	0.68	0.048	1.0E-04
P10301	Ras-related protein R-Ras	1	0.68	NA	NA
Q75869	Filamin-B	5	0.68	0.108	2.3E-03
P61764	Syntaxin-binding protein 1	3	0.67	0.247	9.2E-02
P06993	Sodium/potassium-transporting ATPase subunit alpha-2	1	0.67	NA	NA
P11413	Glucose-6-phosphate 1-dehydrogenase	4	0.67	0.162	5.5E-02
Q14192	Four and a half LIM domains protein 2	1	0.67	NA	NA
P05000	Apolipoprotein D	2	0.67	NA	NA
P32004	Neural cell adhesion molecule L1	1	0.66	NA	NA
P60201	Myelin proteolipid protein	1	0.65	NA	NA
P09294	HLA class II histocompatibility antigen, DRB1-16 beta chain	1	0.64	NA	NA
P42499	Voltage-dependent calcium channel subunit alpha-2delta-1	1	0.63	NA	NA
P00388	Serum amyloid A1 protein	1	0.62	NA	NA
P60053	CD81 antigen	1	0.62	NA	NA
Q96905	Protein kinase C delta-binding protein	3	0.62	0.239	6.8E-02
Q5JR66	Melanoma inhibitory activity protein 3	1	0.62	NA	NA
P35566	Filamin-2	1	0.61	NA	NA
Q86V87	Scavenger receptor cysteine-rich type 1 protein M130	2	0.61	NA	NA
Q07079	Hsp70H-related protein	1	0.61	NA	NA
Q13527	Calcium/calmodulin-dependent protein kinase type II subunit delta	1	0.61	NA	NA
P06871	Monocyte differentiation antigen CD14	3	0.60	0.534	2.3E-01
Q03052	Ligand-preferred partner	2	0.60	NA	NA
Q72700	Target of Nesh-SH3	1	0.60	NA	NA
Q43760	Synaptotagmin-2	1	0.59	NA	NA
Q9PCW1	AP-2 complex subunit mu	1	0.59	NA	NA
P01911	HLA class II histocompatibility antigen, DRB1-15 beta chain	1	0.57	NA	NA
P01862	HLA class I histocompatibility antigen, A-2 alpha chain	1	0.57	NA	NA
P63010	AP-2 complex subunit beta	2	0.57	NA	NA
P50683	Microfibril-associated glycoprotein 4	1	0.56	NA	NA
Q60528	Sodium/potassium-transporting ATPase subunit beta-1	2	0.56	NA	NA
P02689	Tropomodulin-1	1	0.55	NA	NA
Q13425	Beta-2-syntrophin	3	0.55	0.357	9.9E-02
Q96Z03	EH domain-containing protein 3	1	0.55	NA	NA
P06119	Pituitary-derived growth factor receptor beta	1	0.53	NA	NA
P08311	Cathepsin G	1	0.50	NA	NA
Q6B8F5	Tubulin beta-6 chain	2	0.50	NA	NA
Q6UXB8	Peptidase inhibitor 16	2	0.49	NA	NA
P23229	Integrin alpha-6	2	0.49	NA	NA
P65787	Keratin, type II cytoskeletal 8	1	0.48	NA	NA
P17661	Desmin	1	0.48	NA	NA
P41222	Prostaglandin-H2 D-isomerase	1	0.48	NA	NA
Q10588	ADP-ribosyl cytoskeletal ADP-ribose hydrolase 2	1	0.48	NA	NA
P68366	Tubulin alpha-4A chain	1	0.48	NA	NA
P35611	Alpha-adducin	2	0.48	NA	NA
Q14141	Sepsin-6	1	0.47	NA	NA
Q96HC4	PDZ and LIM domain protein 5	1	0.46	NA	NA
Q8IK56	Protein kinase C and casein kinase substrate in neurons protein 3	1	0.46	NA	NA
Q13642	Four and a half LIM domains protein 1	1	0.46	NA	NA
P09936	Ubiquitin carboxyl-terminal hydrolase isozyme L1	5	0.45	0.677	1.1E-01
Q14787	Larval-transforming growth factor beta-binding protein 2	2	0.45	NA	NA
Q13509	Tubulin beta-3 chain	2	0.45	NA	NA
Q98431	Lacstatherin	2	0.44	NA	NA
Q15041	ADP-ribosylation factor-like protein 6-interacting protein 1	1	0.44	NA	NA
P16452	Erythrocyte membrane protein band 4.2	1	0.44	NA	NA
Q16270	Insulin-like growth factor-binding protein 7	1	0.44	NA	NA
Q6PC12	BTBD10C domain-containing protein KCTD12	1	0.44	NA	NA
Q62777	Syntaxin-2	2	0.40	NA	NA
Q07696	Thrombospondin-1	1	0.40	NA	NA
Q9NY15	Stabilin-1	2	0.40	NA	NA
P15144	Aminopeptidase N	1	0.40	NA	NA
Q6N246	Chondrothrin-like protein	1	0.19	NA	NA
Q63HR2	Tensin-like C1 domain-containing phosphatase	2	0.19	NA	NA
Q6JDX5	Fibulin-5	1	0.19	NA	NA
P02462	Collagen alpha-1(VI) chain	2	0.19	NA	NA
P62736	Actin, aortic smooth muscle	2	0.18	NA	NA
P12277	Creatine kinase B-type	1	0.17	NA	NA
P69768	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2	1	0.17	NA	NA
P03973	Antileukoprotease	1	0.16	NA	NA
Q16518	Retinoid isomerase	1	0.14	NA	NA
P33211	Guanine nucleotide-binding protein G(T) subunit gamma-T1	1	0.12	NA	NA
P35243	Recoverin	1	0.11	NA	NA
Q13885	Tubulin beta-2A chain	1	0.11	NA	NA
P02452	Collagen alpha-1(I) chain	2	0.10	NA	NA
P07196	Neurofilament light polypeptide	2	0.09	NA	NA
Q16853	Membrane primary amine oxidase	1	0.07	NA	NA
P07327	Complement component C8 alpha chain	1	0.05	NA	NA
P01024	Complement C3	5	0.47	0.187	1.5E-02
P67566	Integrin alpha-V	4	0.46	0.111	1.6E-03
P29992	Guanine nucleotide-binding protein subunit alpha-11	3	0.46	0.153	3.7E-02
Q6N244	EH domain-containing protein 2	4	0.44	0.122	6.7E-03
P04959	Guanine nucleotide-binding protein G(I) subunit alpha-2	4	0.44	0.133	6.8E-03
P07099	Epoxide hydrolase 1	5	0.44	0.181	1.0E-02
P16206	Vinculin	5	0.43	0.062	4.8E-04
Q15582	Transforming growth factor-beta-induced protein (g-h3)	4	0.42	0.106	3.7E-03
P35579	Myosin-9	5	0.41	0.091	6.3E-04
Q15813	Spectrin alpha chain, non-erythrocytic 1	5	0.41	0.148	3.6E-03
P06960	Myosin light polypeptide 6	5	0.40	0.072	2.5E-04
Q01082	Spectrin beta chain, non-erythrocytic 1	5	0.40	0.185	7.4E-03
Q14824	Inter-alpha-typsin inhibitor heavy chain H4	3	0.39	0.197	1.5E-02
Q07954	Prolow-density lipoprotein receptor-related protein 1	5	0.38	0.202	7.3E-03
Q16363	Laminin subunit alpha-4	5	0.35	0.136	1.5E-03
Q94216	Thy-1 membrane glycoprotein	3	0.34	0.060	1.5E-03
P00747	Plasminogen	5	0.34	0.211	6.8E-03
Q03135	Caveolin-1	3	0.34	0.233	4.3E-02
Q02962	A-kinase anchor protein 12	3	0.34	0.176	1.4E-03
P22105	Tenascin-X	3	0.33	0.050	2.1E-03
Q64910	ATP-binding cassette sub-family A member 6	4	0.33	0.139	4.0E-03
Q88540	Larixin	3	0.33	0.076	1.2E-04
P61626	Lyszyme C	4	0.32	0.252	2.0E-02
P07355	Atropinase A2	5	0.32	0.204	4.6E-03
Q9NZM1	Myofelin	5	0.32	0.029	2.5E-06
P04196	Histidine-rich glycoprotein	4	0.31	0.172	6.7E-03
P21333	Filamin-A	5	0.31	0.178	3.7E-03
P00167	Cytochrome b5	5	0.31	0.122	6.4E-04
P07942	Laminin subunit beta-1	4	0.30	0.090	9.4E-04
P09493	Tropomyosin alpha-1 chain	5	0.30	0.114	3.6E-04
P07358	Complement component C8 beta chain	3	0.30	0.270	4.7E-02
Q16555	Dihydropyrimidinase-related protein 2	5	0.30	0.104	3.1E-04
P04450	Cenpalasmin	3	0.30	0.171	1.1E-03
P12111	Collagen alpha-3(VI) chain	5	0.29	0.163	1.6E-03

Table S17 Average Non-Metastatic Tumors

P12109	Collagen alpha-1(VI) chain	5	0.29	0.156	1.3E-03
P22413	Ectonucleotide pyrophosphatase/phosphodiesterase family member 1	4	0.29	0.144	3.2E-03
P46157	Aplysin-1	4	0.28	0.130	2.3E-03
O00468	Aggrin	4	0.28	0.230	1.2E-02
P02079	Fibrinogen gamma chain	5	0.28	0.127	5.6E-04
P13671	Complement component C6	3	0.27	0.082	4.0E-03
P02675	Fibrinogen beta chain	5	0.27	0.095	1.6E-04
P02686	Laminin subunit beta-2	5	0.27	0.127	4.9E-04
P02751	Fibronectin	5	0.26	0.174	1.5E-03
P02549	Spectrin alpha chain, erythrocytic 1	5	0.26	0.079	6.9E-05
Q15220	Laminin subunit alpha-5	5	0.26	0.166	1.3E-03
P01011	Alpha-1-antichymotrypsin	5	0.25	0.203	2.4E-03
Q91622	EMLN-1	5	0.25	0.289	8.8E-04
P02549	ApoE protein E	5	0.25	0.095	1.3E-04
P36269	Gamma-glutamyltransferase 5	5	0.25	0.213	2.7E-03
P12110	Collagen alpha-2(VI) chain	5	0.24	0.198	2.0E-03
P08204	Extracellular superoxide dismutase [Cu-Zn]	5	0.24	0.204	2.3E-03
P02749	Beta-2-glycoprotein 1	4	0.24	0.125	1.5E-03
P05855	Basal cell adhesion molecule	5	0.24	0.109	1.4E-04
P48821	Microtubule-associated protein 1B	5	0.23	0.184	1.4E-03
P11166	Solute carrier family 2, facilitated glucose transporter member 1	5	0.23	0.181	1.3E-03
P27105	Erythrocyte band 7 integral membrane protein	5	0.23	0.096	1.2E-04
P01197	Neurofilament medium polypeptide	4	0.23	0.206	5.8E-03
P07360	Complement component C6 gamma chain	3	0.23	0.177	1.4E-02
P05164	Mycoperoxidase	3	0.23	0.105	4.9E-03
P68160	Basement membrane-specific heparan sulfate proteoglycan core protein	5	0.23	0.099	1.2E-04
P02071	Fibrinogen alpha chain	5	0.21	0.077	3.5E-05
P11277	Spectrin beta chain, erythrocytic	5	0.21	0.060	4.1E-05
Q14112	Nidogen-2	5	0.21	0.091	6.4E-05
P02654	ApoE protein C-I	4	0.21	0.178	5.0E-03
Q14699	Rafin	4	0.20	0.113	7.8E-04
P06903	Protein S100-A10	5	0.20	0.133	2.8E-04
Q43491	Band 4.1-like protein 2	5	0.20	0.218	1.8E-03
P11047	Laminin subunit gamma-1	5	0.20	0.161	5.8E-04
Q01995	Transgelin	5	0.20	0.130	2.4E-04
Q68X41	Asprin	4	0.20	0.039	3.1E-05
P08572	Collagen alpha-2(IV) chain	5	0.19	0.123	1.8E-04
P01008	Antithrombin-III	5	0.19	0.133	2.4E-04
P01871	Ig mu chain C-region	5	0.19	0.285	4.4E-03
O84875	Sortin and SH3 domain-containing protein 2	5	0.19	0.207	1.3E-03
P84683	Annexin A1	5	0.19	0.309	5.7E-03
P68166	Inhibin beta E chain	4	0.19	0.154	1.7E-03
P02886	Myosin basic protein	5	0.19	0.136	2.5E-04
P80723	Brain acid soluble protein 1	5	0.18	0.264	3.0E-03
P39060	Collagen alpha-1(XVIII) chain	5	0.18	0.096	5.8E-05
Q12805	EGF-containing fibulin-like extracellular matrix protein 1	4	0.18	0.081	2.2E-04
P02946	Chymase	5	0.18	0.247	2.2E-03
P02760	Protein AMBP	4	0.17	0.242	5.5E-03
P10745	Retinol-binding protein 3	4	0.17	0.070	1.4E-04
Q29109	Collagen alpha-1(XVII) chain	3	0.17	0.290	2.4E-02
P05186	Alkaline phosphatase, tissue-nonspecific isozyme	5	0.17	0.094	4.7E-05
P02714	Mincian	5	0.17	0.131	1.7E-04
P06447	Protein S100-A4	5	0.17	0.224	1.3E-03
Q14495	Lipid phosphate phosphohydrolase 3	3	0.17	0.319	3.0E-02
P39059	Collagen alpha-1(XV) chain	5	0.17	0.207	6.7E-04
P43320	Beta-crystallin B2	5	0.16	0.198	8.1E-04
P21928	CD9 antigen	5	0.16	0.241	1.6E-03
P87449	Myosin-11	5	0.16	0.071	1.3E-05
P14543	Nidogen-1	5	0.16	0.104	6.0E-05
P21810	Bilgican	5	0.15	0.239	1.5E-03
Q05707	Collagen alpha-1(XIV) chain	5	0.15	0.160	5.9E-04
Q15661	Tryptase alpha/beta-1	5	0.15	0.157	2.7E-04
P86932	Actin, alpha cardiac muscle 1	3	0.15	0.168	9.4E-03
P10643	Complement component C7	3	0.15	0.270	1.9E-02
Q14195	Dihydropyrimidinase-related protein 3	5	0.15	0.213	8.4E-04
P04275	von Willebrand factor	5	0.15	0.152	2.3E-04
P02730	Band 3 anion transport protein	5	0.14	0.134	1.3E-04
Q66X40	Pertaxin	5	0.14	0.248	1.4E-03
P01031	Complement C5	5	0.14	0.181	3.9E-04
P41219	Peripherin	5	0.14	0.217	7.8E-04
P51888	Prothelin	5	0.13	0.180	3.4E-04
P02748	Complement component C9	5	0.13	0.206	6.3E-04
P24844	Myosin regulatory light polypeptide 9	5	0.13	0.094	2.5E-05
P07585	Decorin	5	0.12	0.184	3.4E-04
P10909	Clustrin	5	0.12	0.191	3.7E-04
P15088	Mast cell carboxypeptidase A	4	0.12	0.096	1.9E-04
P15555	Fibillin-1	5	0.12	0.228	6.9E-04
P35625	Metalloproteinase inhibitor 3	5	0.11	0.140	1.0E-04
P04004	Vitronectin	5	0.11	0.181	2.8E-04
P22748	Carbonic anhydrase 4	5	0.11	0.222	5.8E-04
P21980	Protein-glutamine gamma-glutamyltransferase 2	5	0.10	0.207	4.0E-04
P51884	Lumican	5	0.10	0.201	3.4E-04
P22952	Glutathione peroxidase 3	5	0.10	0.271	1.6E-03
P02743	Serum amyloid P-component	5	0.09	0.292	1.3E-03
P25189	Myelin protein P0	5	0.09	0.238	5.2E-04
P01323	Collagen alpha-2(I) chain	5	0.08	0.305	6.2E-04

Average LC-MS/MS (TRAQ) results from non-metastasized tumor specimens UM 13, 20, 23, 25, 26. Brown denotes change ≥ 2 standard deviations (SD) from the mean, yellow denotes change ≥ 1 SD and green highlights p values ≤ 0.05 . NA, not applicable, n=3 samples.