

Supplementary Table 1: Fibroblast control. Cell lysates were prepared from unlabeled (Arg0/Lys0) and labeled (Arg10/Lys fibroblasts after 14 cell doublings in culture (D14). Shown are normalized log2 transformed protein ratios of identified protei identification a minimum of 2 peptides per protein has to be identified (unique + razor). The database used for identification decoy database based on IPI v. 3.59 containing in total 160,820 entries. As a criterium for identification the posterior error probaility rate of identified proteins (PEP) is shown. The peptide numbers represent peptides used for quantitation.

Protein ID	Gene Symbol	Unique + Razor Sequence Coverage [%]	PEP	Log2 Ratio	Peptide No.	Variability [%]	Quantil
IPI00021033;	COL3A1	11.1	5.91E-62	-4.651	4	165.2	Q1
IPI00761105;	TADA2B	1.7	2.46E-02	-4.494	2	57.9	Q1
IPI00152007	ARHGEF17	2.3	5.41E-09	-3.687	2	92.5	Q1
IPI00300725;	KRT6A	27	6.82E-61	-3.299	4	204.0	Q1
IPI00022229;	APOB	0.7	5.68E-29	-2.944	8	202.2	Q1
IPI00298860;	LTF	51	8.02E-197	-2.834	13	105.6	Q1
IPI00384444;	KRT14	36.4	6.18E-85	-2.542	13	143.3	Q1
IPI00305461;	ITIH2	5	2.86E-09	-1.174	3	367.3	Q1
IPI00420088;	KIAA0174	7.5	9.34E-03	-0.892	2	62.3	Q1
IPI00012887;	CTSL1	12	3.13E-21	-0.618	3	47.8	Q1
IPI00375714;	HSPB7	17.1	1.31E-05	-0.615	2	69.5	Q1
IPI00384140	ESR2	10.6	4.35E-04	-0.551	3	8.6	Q1
IPI00300599;	CTSK	46.5	<1.0E-304	-0.515	9	11.7	Q1
IPI00167949;	MX1	18.3	7.22E-90	-0.508	8	13.1	Q1
IPI00848334;	KIF2A	8.5	3.58E-39	-0.467	2	33.7	Q2
IPI00296534;	FBLN1	18.2	2.50E-34	-0.462	4	25.3	Q2
IPI00296713;	GRN	3.9	1.10E-14	-0.455	2	9.9	Q2
IPI00297646;	COL1A1	46.7	<1.0E-304	-0.419	58	49.1	Q2
IPI00749429;	TTYH3	2.7	8.52E-48	-0.406	2	8.3	Q2
IPI00026111;	TMCO1	12.2	1.52E-38	-0.389	2	20.8	Q2
IPI00027780;	MMP2	17.7	7.88E-76	-0.383	8	12.4	Q2
IPI00384280;	PCYOX1	35.4	1.98E-191	-0.377	8	18.9	Q2
IPI00873137;	COL1A2	36.9	<1.0E-304	-0.370	38	24.9	Q2
IPI00100199;	CYBRD1	7.7	3.13E-15	-0.361	3	14.0	Q2

IPI00455473;	MIA3	5.6	3.30E-69	-0.360	2	15.0	Q2
IPI00032292;	TIMP1	24.6	9.12E-26	-0.321	4	17.2	Q2
IPI00871585;	BID	11.1	8.30E-51	-0.321	3	15.3	Q2
IPI00394994;	C14orf49	4	4.51E-22	-0.320	2	20.3	Q2
IPI00024775;	RAB7L1	10.8	1.55E-19	-0.320	2	35.1	Q2
IPI00016621;	AP2A2	25	<1.0E-304	-0.313	7	48.8	Q2
IPI00005573;	NT5C	18.9	3.08E-23	-0.305	2	15.6	Q2
IPI00783109;	MTSS1L	7.2	3.32E-10	-0.296	2	3.0	Q2
IPI00913924;	LRRC15	25.9	7.68E-125	-0.286	8	7.0	Q2
IPI00477611;	COL5A1	4.9	7.86E-32	-0.278	5	14.0	Q2
IPI00002606;	SCIN	7.1	3.37E-12	-0.278	3	2.5	Q2
IPI00329719;	MYO1D	54.9	<1.0E-304	-0.266	37	11.8	Q2
IPI00024642;	CCDC47	15.7	2.45E-34	-0.265	2	0.5	Q2
IPI00639812;	MGST3	16.9	1.83E-97	-0.262	2	1.9	Q2
IPI00103467;	ALDH1B1	23.8	6.40E-265	-0.262	3	6.2	Q2
IPI00304577;	AP2A1	48.8	<1.0E-304	-0.262	34	34.0	Q2
IPI00171412;	SUMF2	22.5	6.80E-82	-0.261	4	9.0	Q2
IPI00007675;	DYNC1LI1	14.3	9.42E-74	-0.260	3	21.1	Q2
IPI00643567	CAP1	18.2	<1.0E-304	-0.260	3	15.3	Q2
IPI00640525;	PPGB	19.1	1.54E-91	-0.256	4	7.4	Q2
IPI00303602;	AIDA	11.4	5.65E-10	-0.252	2	18.1	Q2
IPI00900260;	ARHGEF7	12	1.95E-91	-0.252	2	18.2	Q2
IPI00247063;	MME	54.7	<1.0E-304	-0.248	33	8.9	Q2
IPI00018953;	DPP4	41.9	<1.0E-304	-0.247	28	16.6	Q2
IPI00152695;	WDR82	17.3	1.06E-41	-0.245	2	20.5	Q2
IPI00303195;	SYNC	6.8	1.31E-25	-0.244	2	37.0	Q2
IPI00291136	COL6A1	40.1	<1.0E-304	-0.238	28	6.3	Q2
IPI00908768;	HSPB6	43.9	1.67E-76	-0.238	3	5.5	Q2
IPI00009896;	EPHX1	28.6	5.26E-56	-0.236	8	14.9	Q2
IPI00000230;	DKFZp586K2222	48.9	3.25E-272	-0.236	11	17.6	Q2
IPI00182728;	VPS4B	16	1.67E-47	-0.234	3	15.2	Q2
IPI00465428;	VPS13C	4.6	7.09E-49	-0.234	8	8.4	Q2
IPI00887461;	HLA-B	29.3	3.54E-170	-0.232	6	7.1	Q2

IPI00003766	ETHE1	36.2	2.02E-67	-0.231	4	19.3	Q2
IPI00292894	TSR1	3.6	1.16E-03	-0.230	2	40.6	Q2
IPI00295595;	CERCAM	7.1	3.24E-28	-0.229	2	1.8	Q2
IPI00028564;	GBP1	23.1	9.18E-48	-0.229	9	24.0	Q2
IPI00018352;	UCHL1	53.8	4.30E-202	-0.229	19	4.3	Q2
IPI00288947;	GNAQ	19.2	1.05E-82	-0.225	2	0.5	Q2
IPI00021057;	SLC12A4	7.9	8.01E-12	-0.225	5	26.9	Q2
IPI00095891;	GNAS	8.5	3.95E-32	-0.223	3	5.2	Q2
IPI00790064;	NDUFB9	19	4.45E-53	-0.219	2	23.0	Q2
IPI00796919;	GLB1	22.5	3.73E-190	-0.217	6	8.6	Q2
IPI00012119;	DCN	21.4	1.22E-40	-0.214	3	8.2	Q2
IPI00295741;	CTSB	46.9	<1.0E-304	-0.213	17	19.4	Q2
IPI00028565;	GBP2	6.9	1.45E-09	-0.210	2	3.5	Q2
IPI00296485	MAP1S	5.6	1.31E-17	-0.208	2	21.0	Q2
IPI00014572	SPARC	26.1	9.58E-69	-0.207	5	42.2	Q2
IPI00031479;	PDIA5	14.1	2.50E-18	-0.206	3	11.3	Q2
IPI00156689;	VAT1	61.3	<1.0E-304	-0.205	32	7.9	Q2
IPI00220278;	MYL9	46.5	<1.0E-304	-0.202	5	3.3	Q2
IPI00745313;	AEBP1	9.3	2.77E-63	-0.200	6	4.0	Q2
IPI00016373;	RAB13	21.2	1.21E-35	-0.200	2	1.9	Q2
IPI00014533;	UBTF	8	6.16E-19	-0.200	3	17.4	Q2
IPI00290279;	ADK	27.1	6.67E-75	-0.200	5	19.8	Q2
IPI00002824;	CSRP2	61.7	7.58E-69	-0.200	6	4.4	Q2
IPI00554521;	FTH1	44.3	3.51E-51	-0.198	7	40.0	Q2
IPI00029111;	LCRMP	44	<1.0E-304	-0.198	11	9.8	Q2
IPI00299066;	LPXN	22	2.03E-151	-0.193	3	0.5	Q2
IPI00009946;	TOMM34	18.8	6.18E-17	-0.192	3	18.7	Q2
IPI00797603;	PRPSAP1	15.1	6.69E-37	-0.192	3	21.6	Q2
IPI00011229;	CTSD	48.3	<1.0E-304	-0.192	33	15.3	Q2
IPI00022200;	COL6A3	54.5	<1.0E-304	-0.191	355	18.9	Q2
IPI00293088;	GAA	24.5	<1.0E-304	-0.190	4	22.2	Q2
IPI00009236;	CAV1	50	6.46E-153	-0.190	19	6.3	Q2
IPI00291238;	FBLIM1	22.3	6.70E-51	-0.190	3	10.5	Q2

IPI00375631	ISG15	13.3	1.45E-05	-0.187	2	33.3	Q2
IPI00058192;	POFUT1	9.3	7.10E-38	-0.186	3	11.4	Q2
IPI00873226;	hTGP	1.3	2.86E-03	-0.186	2	14.5	Q2
IPI00375676;	FTL	35.6	1.27E-122	-0.186	5	9.4	Q2
IPI00011932	HSPA12A	9.5	2.46E-30	-0.184	2	1.2	Q2
IPI00022745;	MVD	8.5	2.11E-34	-0.183	2	23.4	Q2
IPI00018769;	THBS2	10.4	1.34E-122	-0.183	7	10.6	Q2
IPI00298111;	SNX6	31.1	6.07E-81	-0.182	6	15.4	Q2
IPI00328113;	FBN1	2	1.00E-21	-0.179	3	36.3	Q2
IPI00470529;	GPNMB	5.8	9.65E-109	-0.179	14	11.4	Q2
IPI00026314;	GSN	51.3	<1.0E-304	-0.178	42	9.2	Q2
IPI00166955;	CNPY4	6.2	3.49E-97	-0.177	2	2.7	Q2
IPI00871680;	ARFGAP2	14	1.55E-136	-0.177	2	18.9	Q2
IPI00332106;	PBXIP1	21.9	1.86E-146	-0.177	6	8.5	Q2
IPI00743696;	COL4A1	4	1.82E-08	-0.177	2	13.1	Q2
IPI00021264	CNN1	42.4	1.67E-126	-0.177	4	3.9	Q2
IPI00856045;	AHNAK2	41.1	<1.0E-304	-0.177	107	15.0	Q2
IPI00023510;	RAB5A	35.3	1.11E-94	-0.177	8	14.5	Q2
IPI00056334;	PRKCDBP	50.2	7.35E-130	-0.177	9	9.6	Q2
IPI00025318;	SH3BGRL	56.1	5.58E-74	-0.176	5	7.9	Q2
IPI00296157;	RETSAT	8.2	1.73E-26	-0.176	2	8.8	Q2
IPI00884192;	GPX4	33.8	9.09E-63	-0.173	4	4.5	Q2
IPI00028122;	PSIP1	8.7	9.10E-63	-0.173	4	12.7	Q2
IPI00060627	CCDC124	25.1	1.83E-09	-0.173	2	1.3	Q2
IPI00385495;	LMF2	11.2	1.33E-72	-0.172	8	20.1	Q2
IPI00100673;	VPS24	20.3	2.34E-07	-0.171	2	1.9	Q2
IPI00004312;	STAT2	29.5	3.44E-227	-0.171	22	23.9	Q2
IPI00168878	TOR1AIP2	9.8	6.53E-23	-0.171	3	3.7	Q2
IPI00797038;	PCK2	31.2	3.47E-231	-0.170	9	9.5	Q2
IPI00018248;	KDEL2	8	9.59E-36	-0.170	6	12.2	Q2
IPI00329696;	FAM82B	24.2	3.48E-23	-0.170	4	20.4	Q2
IPI00007084	SLC25A13	23.1	6.33E-230	-0.170	5	13.4	Q2
IPI00003128;	P4HA2	45.6	<1.0E-304	-0.169	4	2.1	Q2

IPI00014264;	ACAP2	11.4	7.76E-80	-0.166	2	16.2	Q2
IPI00301518;	MOBK1B	17.1	1.13E-08	-0.165	3	16.1	Q2
IPI00873452;	LMCD1	40.1	2.97E-139	-0.163	7	5.5	Q2
IPI00013981;	YES1	6.8	5.67E-18	-0.163	3	8.0	Q2
IPI00022348;	PML	11.7	1.54E-20	-0.162	7	26.3	Q2
IPI00014624	AP3S1	18.1	5.97E-40	-0.162	2	5.3	Q2
IPI00306322;	COL4A2	2	1.71E-16	-0.160	3	7.7	Q2
IPI00100656;	GPSN2	24.4	1.03E-22	-0.159	5	99.9	Q2
IPI00927606;	GPX1	42.4	4.82E-108	-0.159	7	6.3	Q2
IPI00008787;	NAGLU	26.8	9.07E-267	-0.158	5	17.7	Q2
IPI00420108;	DLST	24.3	1.29E-128	-0.158	12	26.2	Q2
IPI00217465;	HIST1H1C	27.7	9.11E-73	-0.157	16	40.0	Q2
IPI00871988;	SFXN3	47.7	4.61E-183	-0.156	7	10.8	Q2
IPI00012585	HEXB	36	6.45E-127	-0.156	17	14.5	Q2
IPI00872808;	DOCK1	6.3	2.33E-24	-0.156	6	6.6	Q2
IPI00220739;	PGRMC1	40.5	1.36E-134	-0.154	10	7.6	Q2
IPI00257882;	PEPD	31.8	5.52E-238	-0.153	9	6.7	Q2
IPI00293590;	MGLL	11.2	5.04E-134	-0.153	3	2.5	Q2
IPI00176903;	PTRF	48.5	<1.0E-304	-0.152	24	6.5	Q2
IPI00291412;	PPM1F	14.3	8.79E-28	-0.152	2	3.3	Q2
IPI00872668;	NIT2	36	7.58E-105	-0.151	3	12.2	Q2
IPI00237884;	AKAP12	33.7	<1.0E-304	-0.150	27	8.6	Q2
IPI00063827;	ABHD14B	27.1	3.45E-17	-0.150	6	7.3	Q2
IPI00020557;	LRP1	25.7	<1.0E-304	-0.149	177	10.4	Q2
IPI00337541	NNT	29	<1.0E-304	-0.148	29	57.9	Q2
IPI00026848	LRPAP1	31.4	9.84E-33	-0.146	3	6.6	Q2
IPI00607799;	BDH2	36.3	4.94E-94	-0.146	2	1.0	Q2
IPI00012102;	GNS	38.2	6.25E-250	-0.146	14	10.2	Q2
IPI00654777;	EIF3F	37.6	4.58E-282	-0.146	14	32.4	Q2
IPI00001437;	RND3	20.9	2.43E-17	-0.144	2	0.0	Q2
IPI00009950	LMAN2	41	1.13E-193	-0.144	4	85.6	Q2
IPI00465436	CAT	27.1	1.67E-193	-0.143	3	15.9	Q2
IPI00031627	POLR2A	5.1	4.16E-25	-0.140	2	16.6	Q2

IPI00218922;	SEC63	16.3	1.54E-54	-0.140	6	9.5	Q2
IPI00001568;	ATP6V1D	32.4	6.48E-70	-0.139	4	17.4	Q2
IPI00025717;	MTX2	22.8	3.72E-33	-0.139	2	2.0	Q2
IPI00006167;	PPM1G	13	1.19E-19	-0.138	8	17.7	Q2
IPI00217519;	RALA	14.1	1.42E-84	-0.137	2	8.2	Q2
IPI00001564	CDKN2C	19	4.72E-03	-0.137	2	5.7	Q2
IPI00884105;	LAMP1	15.3	1.02E-163	-0.137	15	7.6	Q2
IPI00410666;	SCRIB	4.2	1.12E-09	-0.136	2	19.2	Q2
IPI00294158;	BLVRA	39.9	5.22E-62	-0.136	6	8.9	Q2
IPI00440703;	GSTK1	39.7	1.16E-177	-0.134	10	11.8	Q2
IPI00021389	CCS	20.4	5.93E-31	-0.134	3	3.8	Q2
IPI00029744;	SSBP1	57.4	1.79E-170	-0.134	4	3.3	Q2
IPI00783313;	PYGL	38.6	3.49E-260	-0.134	16	8.9	Q2
IPI00017256;	RSU1	55.2	2.61E-147	-0.132	12	8.2	Q2
IPI00012535;	DNAJA1	23.7	1.96E-40	-0.132	4	11.2	Q2
IPI00001883;	SNX9	32.8	5.34E-241	-0.132	8	13.2	Q2
IPI00657752;	CD81	21.5	8.60E-141	-0.131	6	5.5	Q2
IPI00006987;	DDX24	6.4	1.11E-07	-0.131	2	8.0	Q2
IPI00021327;	GRB2	27.2	2.45E-12	-0.131	4	15.8	Q2
IPI00009507;	SYPL1	8.5	1.05E-20	-0.130	2	5.7	Q2
IPI00219301	MARCKS	36.1	9.40E-250	-0.129	4	5.7	Q2
IPI00024915;	PRDX5	56.1	1.39E-294	-0.129	10	8.9	Q2
IPI00002236;	MFGE8	26.1	8.16E-126	-0.129	11	13.8	Q2
IPI00031556;	U2AF2	29.7	1.38E-212	-0.128	2	25.1	Q2
IPI00010740;	SFPQ	35.8	<1.0E-304	-0.127	31	47.7	Q2
IPI00021728;	EIF2S2	30.6	1.10E-134	-0.127	7	26.5	Q2
IPI00007926;	RCL	13.8	1.34E-44	-0.126	2	2.0	Q2
IPI00007052	FIS1	34.2	2.49E-160	-0.126	3	4.8	Q2
IPI00216088;	CRABP2	56.5	8.13E-54	-0.125	10	27.5	Q2
IPI00289876;	STX7	34.9	6.15E-96	-0.125	3	3.5	Q2
IPI00169285	PLBD2	19.5	1.41E-49	-0.125	3	1.0	Q2
IPI00376259;	SRGAP1	3.5	2.12E-66	-0.125	2	22.1	Q2
IPI00158615;	THOC2	2.5	2.94E-14	-0.124	3	17.8	Q2

IPI00915356;	CPSF7	10.9	5.66E-99	-0.122	3	3.6	Q2
IPI00006608;	APP	5.8	2.65E-09	-0.122	3	5.3	Q2
IPI00301280;	TMEM43	41.2	5.95E-142	-0.122	4	8.5	Q2
IPI00022810;	CTSC	3.9	2.05E-08	-0.121	2	8.5	Q2
IPI00554788;	KRT18	37.4	1.89E-139	-0.120	15	13.3	Q2
IPI00295542;	NUCB1	21.9	8.75E-118	-0.118	5	6.3	Q2
IPI00023987;	PPCS	24.1	6.44E-34	-0.118	2	3.6	Q2
IPI00008167;	ATP1B3	21.1	1.03E-61	-0.118	4	7.1	Q2
IPI00012728;	ACSL1	19.8	6.29E-126	-0.117	3	8.5	Q2
IPI00294834;	ASPH	39.4	<1.0E-304	-0.117	43	7.3	Q2
IPI00022020	INPP4B	1.4	2.43E-19	-0.117	3	5.4	Q2
IPI00296147;	TMEM119	12.4	4.08E-39	-0.117	3	4.1	Q2
IPI00306380;	GNL3	10.4	9.00E-08	-0.117	3	9.0	Q2
IPI00419847;	SORBS3	8.9	2.11E-37	-0.117	3	9.6	Q2
IPI00604647;	MAP4K4	9.8	2.45E-21	-0.117	5	14.4	Q2
IPI00220906;	ACOT2	23	9.13E-191	-0.117	6	7.7	Q2
IPI00299719;	TCIRG1	15.9	3.59E-40	-0.117	6	14.1	Q2
IPI00299086;	SDCBP	65.1	<1.0E-304	-0.115	22	9.6	Q2
IPI00298406;	HADH	26.2	2.02E-132	-0.114	5	11.4	Q2
IPI00009885;	FKBP11	23.4	1.09E-69	-0.114	2	6.3	Q2
IPI00479877;	ALDH9A1	31.7	1.22E-154	-0.114	10	9.3	Q2
IPI00013933;	DSP	13.7	7.13E-184	-0.113	28	54.4	Q2
IPI00218693;	APRT	57.2	1.22E-65	-0.113	7	14.3	Q2
IPI00550523;	ATL3	29.8	8.33E-121	-0.113	6	17.8	Q2
IPI00298731	PPP1R10	3.8	2.94E-12	-0.112	2	4.3	Q2
IPI00550733;	TBC1D2B	5.6	5.78E-05	-0.112	3	1.9	Q2
IPI00007426;	ARL6IP5	28.2	1.36E-60	-0.112	17	18.7	Q2
IPI00030131;	TMPO	34.8	1.30E-130	-0.111	7	15.1	Q2
IPI00218728;	PAFAH1B1	23.4	5.75E-76	-0.111	2	1.7	Q2
IPI00328911;	HECTD1	2	3.71E-07	-0.111	3	23.3	Q2
IPI00291939;	SMC1A	14.7	2.75E-85	-0.110	5	10.1	Q2
IPI00253036;	CD99	13	2.98E-05	-0.110	3	3.1	Q2
IPI00012545;	TGOLN2	8.3	2.44E-23	-0.109	2	11.6	Q2

IPI00902614;	USP24	2.6	9.81E-17	-0.109	2	4.3	Q2
IPI00032459;	AP3M1	20.3	2.84E-118	-0.108	2	1.5	Q2
IPI00554705;	DCTD	39.2	2.03E-81	-0.108	4	8.6	Q2
IPI00376344;	MYO1B	24.6	1.52E-266	-0.108	21	11.5	Q2
IPI00219684;	FABP3	80.5	8.04E-83	-0.108	7	26.5	Q2
IPI00743931;	GORASP2	9.5	1.77E-36	-0.107	2	13.5	Q2
IPI00100980;	EHD2	79.4	<1.0E-304	-0.107	34	7.0	Q2
IPI00383849;	PLCG1	5.7	9.98E-23	-0.107	2	3.6	Q2
IPI00014197;	CDV3	28.7	2.40E-97	-0.106	2	11.3	Q2
IPI00166865	CISD2	46.7	1.20E-55	-0.105	4	8.1	Q2
IPI00873410;	CNN3	38.4	<1.0E-304	-0.105	11	12.1	Q2
IPI00010418;	MYO1C	0.8	<1.0E-304	-0.104	2	11.6	Q2
IPI00019450;	TROVE2	24.3	6.10E-92	-0.103	5	2.7	Q2
IPI00018195;	MAPK3	24.5	1.40E-119	-0.103	3	9.3	Q2
IPI00009305;	GNPDA1	57.1	1.91E-170	-0.103	13	49.9	Q2
IPI00027341;	CAPG	44.5	7.58E-151	-0.102	6	4.8	Q2
IPI00382843;	PRNP	7	1.46E-15	-0.102	2	1.1	Q2
IPI00014312;	CUL3	24.2	2.19E-118	-0.102	7	5.1	Q2
IPI00444945;	BAX	43.6	6.31E-144	-0.101	8	9.0	Q2
IPI00024097;	TES	17.6	6.72E-32	-0.101	3	11.1	Q2
IPI00217056;	LEPREL2	27.4	6.20E-216	-0.101	9	8.1	Q2
IPI00007812;	ATP6V1B2	53.6	<1.0E-304	-0.099	15	8.6	Q2
IPI00218924;	CHP	20	2.48E-45	-0.098	3	2.3	Q2
IPI00025160;	VAC14	25.6	2.08E-129	-0.098	6	9.9	Q2
IPI00216298;	TXN	31.4	1.44E-31	-0.098	2	19.2	Q2
IPI00001580;	FYCO1	35.6	<1.0E-304	-0.098	15	10.3	Q2
IPI00032140;	SERPINH1	59.8	<1.0E-304	-0.097	54	21.9	Q2
IPI00217018;	SAMD9	1.3	1.70E-13	-0.097	2	9.7	Q2
IPI00741097;	GSTT1	22.1	1.14E-06	-0.097	2	11.2	Q2
IPI00792788;	DOCK5	4.8	5.33E-43	-0.097	5	11.4	Q2
IPI00216138;	TAGLN	87.1	<1.0E-304	-0.097	59	11.5	Q2
IPI00028481;	RAB8A	25.1	2.62E-77	-0.097	6	8.9	Q2
IPI00413160;	TRIOBP	5.1	2.55E-88	-0.097	3	9.6	Q2

IPI00790503;	MYH10	45.9	<1.0E-304	-0.097	74	11.6	Q2
IPI00016862;	GSR	10.3	1.32E-25	-0.097	3	4.6	Q2
IPI00456887;	HNRNPUL2	34.7	<1.0E-304	-0.096	18	12.9	Q2
IPI00072377;	SET	19.3	5.06E-100	-0.096	7	5.8	Q2
IPI00003438	DNAJC8	28.9	9.40E-29	-0.096	4	6.6	Q2
IPI00298289;	RTN4	43.4	3.49E-192	-0.096	28	28.1	Q2
IPI00412492;	PLXND1	2.3	1.21E-14	-0.095	3	6.7	Q2
IPI00027505;	ITGAV	30.5	1.40E-301	-0.095	27	12.3	Q2
IPI00069817;	BAZ1B	2.5	1.94E-34	-0.094	2	16.5	Q2
IPI00019912;	HSD17B4	55.2	<1.0E-304	-0.094	34	7.5	Q2
IPI00008034	RAB23	38.4	2.20E-128	-0.093	4	4.0	Q2
IPI00645962;	TAPBP	5.4	4.13E-02	-0.093	3	1.7	Q2
IPI00030781;	STAT1	50.8	<1.0E-304	-0.093	33	9.6	Q2
IPI00217766;	SCARB2	33.5	4.43E-111	-0.093	10	9.5	Q2
IPI00003925;	PDHB	42.1	3.21E-225	-0.092	9	11.0	Q2
IPI00028387;	DDRGK1	20.1	5.95E-105	-0.092	2	25.4	Q2
IPI00018274;	EGFR	18.5	1.38E-94	-0.092	13	10.2	Q2
IPI00012345;	SFRS6	18.3	8.42E-09	-0.092	7	17.4	Q2
IPI00107752;	OPA1	11.4	5.18E-50	-0.092	2	9.5	Q2
IPI00008454;	DNAJB11	7.8	5.55E-115	-0.092	2	9.3	Q2
IPI00219129;	NQO2	36.4	7.75E-69	-0.092	4	6.7	Q2
IPI00018963;	PARVA	25.8	2.33E-243	-0.091	4	6.0	Q2
IPI00013466;	ASNA1	33.3	1.51E-160	-0.091	7	6.1	Q2
IPI00012303;	SELENBP1	25.5	2.44E-110	-0.091	2	6.9	Q2
IPI00025039;	FBL	29.9	1.66E-22	-0.090	5	7.9	Q2
IPI00182126;	FKBP9	32.8	3.02E-169	-0.089	8	13.5	Q2
IPI00220158;	ADD1	28.3	4.90E-174	-0.089	10	14.6	Q2
IPI00093057	CPOX	7.3	1.81E-21	-0.088	2	1.1	Q2
IPI00450472;	UBE2I	33.7	8.00E-28	-0.088	4	4.0	Q2
IPI00103940	MFS10	6.6	8.50E-22	-0.088	5	49.8	Q2
IPI00016801;	GLUD1	47	2.32E-290	-0.088	14	7.6	Q2
IPI00021807;	GBA	30.4	4.20E-201	-0.088	10	8.2	Q2
IPI00479306;	PSMB5	46	1.16E-123	-0.087	8	29.2	Q2

IPI00023122;	PDLIM7	31.1	8.05E-79	-0.086	16	21.1	Q2
IPI00183603;	OSTC	14.1	2.47E-20	-0.086	4	90.9	Q2
IPI00216965;	GOSR2	13.1	4.52E-10	-0.086	3	7.1	Q2
IPI00020956;	HDGF	23.3	6.80E-56	-0.086	3	2.3	Q2
IPI00292771;	NUMA1	31.3	<1.0E-304	-0.086	26	11.4	Q2
IPI00000005;	NRAS	44.4	3.44E-50	-0.086	5	86.2	Q2
IPI00007611;	ATP5O	62.4	8.02E-236	-0.085	12	12.9	Q2
IPI00009328	EIF4A3	34.8	1.52E-129	-0.085	8	6.9	Q2
IPI00414442;	CDK5RAP3	12.2	2.92E-45	-0.085	3	5.8	Q2
IPI00033025;	SEPT7	35.6	<1.0E-304	-0.085	6	10.8	Q2
IPI00013976;	LAMB1	14.3	1.06E-183	-0.084	15	12.8	Q2
IPI00027096;	MRPL19	11.3	1.20E-04	-0.084	2	6.5	Q2
IPI00019383;	GALK1	14.7	1.36E-27	-0.084	3	4.0	Q2
IPI00025796	NDUFS3	43.6	6.12E-182	-0.084	10	11.1	Q2
IPI00019376;	SEPT11	39.9	1.12E-202	-0.084	7	4.8	Q2
IPI00290110;	PDCD4	7.9	1.28E-16	-0.084	2	3.5	Q2
IPI00143753;	SR140	7.4	2.36E-105	-0.083	6	11.3	Q2
IPI00793199;	ANXA4	61.1	<1.0E-304	-0.083	18	8.9	Q2
IPI00020418	RRAS	44.5	1.50E-183	-0.083	8	6.5	Q2
IPI00219034	NDUFA8	43.6	1.34E-83	-0.083	4	12.0	Q2
IPI00001914;	FKBP7	22.8	1.98E-49	-0.083	4	10.5	Q2
IPI00742968;	HLA-A	55.9	<1.0E-304	-0.082	16	11.1	Q2
IPI00291215;	PARP14	4.4	8.85E-38	-0.082	2	2.3	Q2
IPI00299977;	PHPT1	63.2	2.07E-125	-0.081	4	5.3	Q2
IPI00100151;	XRN2	12.6	1.02E-93	-0.081	8	15.4	Q2
IPI00021167;	PRKRA	29.7	2.06E-108	-0.080	3	9.8	Q2
IPI00470649;	NCLN	13.3	2.14E-45	-0.080	4	28.8	Q2
IPI00413451;	DKFZp686I04222	61.6	<1.0E-304	-0.079	12	5.8	Q2
IPI00010346;	NLN	17	3.43E-68	-0.079	3	12.6	Q2
IPI00003482;	DECR1	33.1	5.60E-145	-0.079	6	6.3	Q2
IPI00291608;	PCNP	11.2	1.02E-10	-0.079	2	0.8	Q2
IPI00013219;	ILK	40.9	1.63E-96	-0.078	12	8.8	Q2
IPI00299468;	SCD	10.3	4.01E-27	-0.078	6	10.8	Q2

IPI00220487;	ATP5H	63.4	1.88E-114	-0.078	8	4.6	Q2
IPI00019463;	EIF2AK2	19.6	1.48E-117	-0.078	4	7.3	Q2
IPI00011631	ZW10	12.3	4.82E-101	-0.077	3	9.7	Q2
IPI00472939;	SPCS2	45.8	1.49E-118	-0.077	15	35.1	Q2
IPI00026182;	CAPZA2	32.2	2.28E-89	-0.077	4	7.3	Q2
IPI00024913;	C21orf33	31	1.35E-40	-0.076	2	2.3	Q2
IPI00382452;	CHMP1A	21.4	5.10E-05	-0.076	2	6.7	Q2
IPI00465256;	AK3	54.2	5.87E-193	-0.076	10	8.8	Q2
IPI00016372;	RAB9A	27.4	1.95E-61	-0.075	3	7.1	Q2
IPI00917064;	LIMS1	14.9	3.22E-42	-0.075	3	4.2	Q2
IPI00000760;	DDAH2	54.4	<1.0E-304	-0.075	8	8.2	Q2
IPI00654820;	MT-ATP6	6.8	1.53E-07	-0.075	2	5.1	Q2
IPI00291093	POLR2E	26.2	3.58E-68	-0.074	3	9.1	Q2
IPI00303726;	IFITM3	49.6	1.32E-116	-0.074	4	5.8	Q2
IPI00292140;	CASP3	11.9	8.72E-07	-0.074	2	5.4	Q2
IPI00333541;	FLNA	72.9	<1.0E-304	-0.074	694	18.0	Q2
IPI00855787;	TNKS1BP1	26.3	<1.0E-304	-0.073	32	16.1	Q2
IPI00902843;	CDIPT	15.6	6.32E-26	-0.073	3	0.9	Q2
IPI00002745;	CTSZ	15.8	1.04E-49	-0.073	5	41.7	Q2
IPI00025849;	ANP32A	10.8	4.05E-96	-0.072	2	2.7	Q2
IPI00001985;	VPS18	12.9	2.13E-69	-0.072	7	18.6	Q2
IPI00015842	RCN1	49.2	1.69E-249	-0.072	4	9.1	Q2
IPI00171438;	TXNDC5	28.5	1.45E-159	-0.071	15	10.8	Q2
IPI00018364	RAP2B	49.7	2.01E-85	-0.071	4	6.1	Q2
IPI00010157;	MAT2A	17.2	3.42E-86	-0.071	7	34.1	Q2
IPI00303300;	FKBP10	37.1	<1.0E-304	-0.071	20	7.5	Q2
IPI00013860;	HIBADH	34.2	3.29E-190	-0.071	9	11.4	Q2
IPI00012093;	STK25	1.6	8.49E-42	-0.070	4	7.7	Q2
IPI00749454;	RFTN1	9.2	2.85E-87	-0.070	2	7.8	Q2
IPI00021805;	MGST1	27.1	1.46E-48	-0.070	3	5.0	Q2
IPI00644697;	HEBP2	35	2.06E-107	-0.070	5	7.6	Q2
IPI00026230;	HNRNPH2	10.9	8.14E-242	-0.070	2	12.4	Q2
IPI00003326;	ARL2	16.8	1.65E-20	-0.070	2	14.7	Q2

IPI00297492;	STT3A	22.3	5.73E-127	-0.069	31	65.0	Q2
IPI00909772;	AP2M1	37.4	2.19E-69	-0.069	13	23.3	Q2
IPI00215998;	CD63	13.4	5.96E-16	-0.069	22	6.8	Q2
IPI00219774;	PRKAR2A	39.9	3.27E-85	-0.069	4	4.7	Q2
IPI00328415;	CYB5R3	58.4	<1.0E-304	-0.069	36	13.1	Q2
IPI00011268;	RALY	31.3	8.29E-52	-0.069	4	3.8	Q2
IPI00026850;	TSPO	18.3	1.90E-39	-0.069	4	8.1	Q2
IPI00436355;	PRKG1	18.4	2.10E-122	-0.068	5	17.5	Q2
IPI00216008;	G6PD	55.3	9.39E-226	-0.067	27	7.4	Q2
IPI00856116;	PALLD	24.4	<1.0E-304	-0.067	23	6.3	Q2
IPI00294911	SDHB	34.3	1.21E-92	-0.066	7	10.9	Q2
IPI00027078;	CPD	15.9	4.17E-107	-0.066	11	5.7	Q2
IPI00009320;	TMEM85	26.8	2.30E-57	-0.066	2	10.5	Q2
IPI00893918;	VARS	33.2	<1.0E-304	-0.066	36	31.5	Q2
IPI00333771;	CALD1	67.5	<1.0E-304	-0.065	67	20.8	Q2
IPI00027192;	PLOD1	45.3	<1.0E-304	-0.065	26	9.5	Q2
IPI00010810;	ETFA	48	<1.0E-304	-0.065	11	8.4	Q2
IPI00032830;	REXO2	31.2	8.48E-76	-0.065	5	13.0	Q2
IPI00017283	IARS2	27.4	1.11E-143	-0.064	14	67.1	Q2
IPI00871843;	TGM2	48.3	<1.0E-304	-0.064	60	11.3	Q2
IPI00021458	EHD3	11.5	1.23E-127	-0.064	4	23.1	Q2
IPI00006663;	ALDH2	19.7	1.12E-149	-0.064	2	2.9	Q2
IPI00219420;	SMC3	24.7	1.35E-122	-0.064	10	16.4	Q2
IPI00024129;	PPIC	20.8	4.68E-31	-0.064	9	5.5	Q2
IPI00394668;	ADAR	12.7	2.00E-69	-0.063	7	11.7	Q2
IPI00020887;	VAMP7	17.3	4.11E-28	-0.063	3	6.9	Q2
IPI00334190;	STOML2	46.1	4.28E-191	-0.063	5	8.9	Q2
IPI00847322;	SOD2	43.2	2.34E-186	-0.063	12	5.3	Q2
IPI00023704;	LPP	21.1	1.58E-134	-0.062	3	8.8	Q2
IPI00329598	HSD17B11	30.7	4.57E-108	-0.062	6	10.8	Q2
IPI00412792;	BTF3L4	23.4	6.80E-26	-0.062	2	0.8	Q2
IPI00009904;	PDIA4	53.3	<1.0E-304	-0.062	30	6.2	Q2
IPI00328319;	RBBP4	21.2	1.26E-77	-0.061	8	23.4	Q2

IPI00030702;	IDH3A	30.1	2.63E-98	-0.061	9	20.7	Q2
IPI00304267;	NXN	26.9	1.33E-117	-0.061	3	5.8	Q2
IPI00016346;	PROSC	37.5	5.51E-75	-0.061	3	5.6	Q2
IPI00294779;	VDAC3	32	5.16E-74	-0.061	8	62.4	Q2
IPI00301021;	SSR1	11.9	7.66E-77	-0.061	5	19.7	Q2
IPI00418213;	RABGEF1	5.8	4.32E-13	-0.061	2	9.3	Q2
IPI00025366;	CS	39.1	3.20E-140	-0.060	12	11.6	Q2
IPI00220271;	AKR1A1	60.3	<1.0E-304	-0.060	13	9.2	Q2
IPI00745613	EXOSC4	8.2	2.67E-19	-0.060	2	11.0	Q2
IPI00020632;	ASS1	21.8	2.16E-81	-0.060	7	11.3	Q2
IPI00550069	RNH1	70.7	<1.0E-304	-0.060	24	9.0	Q2
IPI00004668;	FUT8	5.2	3.74E-08	-0.059	2	14.9	Q2
IPI00023555;	OSBPL3	7.3	2.01E-59	-0.059	3	6.8	Q2
IPI00396593;	PDLIM2	17.3	3.69E-67	-0.059	4	9.1	Q2
IPI00642032;	TXNL1	23.1	1.71E-113	-0.059	8	7.9	Q2
IPI00304925;	HSPA1A	49.9	<1.0E-304	-0.059	24	9.4	Q2
IPI00910194;	NUP153	5	5.80E-18	-0.059	3	23.3	Q2
IPI00003348;	GNB2	13.5	9.76E-211	-0.059	4	5.5	Q2
IPI00294159;	SLC25A1	40.2	3.24E-52	-0.059	11	6.0	Q2
IPI00009747;	LSS	31.1	1.35E-231	-0.059	9	16.3	Q2
IPI00219344;	HPCAL1	22.3	6.95E-06	-0.058	3	4.5	Q2
IPI00339384;	RDH11	20.8	2.24E-59	-0.058	2	9.1	Q2
IPI00010438;	SNAP23	40.8	9.77E-72	-0.057	3	3.7	Q2
IPI00221234;	ALDH7A1	41.6	<1.0E-304	-0.057	15	9.2	Q2
IPI00291695;	GPX8	52.6	6.69E-86	-0.057	9	5.5	Q2
IPI00300299	SPCS3	21.7	3.44E-35	-0.057	4	7.2	Q2
IPI00909417	IFI16	33.4	5.06E-218	-0.057	13	8.8	Q2
IPI00024920	ATP5D	17.3	1.27E-62	-0.057	3	10.0	Q2
IPI00746777;	ADH5	36.9	<1.0E-304	-0.056	7	9.4	Q2
IPI00008215	ME1	20.6	1.33E-99	-0.056	4	9.9	Q2
IPI00844076;	RPN2	47.7	<1.0E-304	-0.055	36	43.5	Q2
IPI00465315;	CYCS	55.2	1.01E-55	-0.055	8	64.6	Q2
IPI00815770;	SNX3	69.8	2.65E-64	-0.055	8	5.0	Q2

IPI00433279;	SLFN5	18	1.58E-97	-0.055	3	7.9	Q2
IPI00059292;	MAGOHB	49.3	2.73E-25	-0.055	2	8.1	Q2
IPI00163381;	LEPRE1	25.8	1.07E-164	-0.055	13	6.1	Q2
IPI00604777;	DPP9	11.2	1.43E-18	-0.054	2	25.2	Q2
IPI00215716;	EPB41L3	23.8	5.53E-268	-0.053	5	8.6	Q2
IPI00872929;	APOBEC3C	27.8	1.56E-10	-0.053	4	5.2	Q2
IPI00554742;	API5	19.2	1.43E-104	-0.053	7	13.8	Q2
IPI00028031;	ACADVL	44.2	<1.0E-304	-0.053	20	13.0	Q2
IPI00022892;	THY1	24.8	1.99E-103	-0.053	9	69.4	Q2
IPI00479905;	NDUFB10	36.6	1.41E-35	-0.053	2	1.0	Q2
IPI00003833	MTCH2	48.2	2.08E-214	-0.053	10	10.8	Q2
IPI00739827;	LAMP2	12.9	5.78E-35	-0.052	16	11.2	Q2
IPI00001734;	PSAT1	28.9	1.75E-60	-0.052	7	8.0	Q2
IPI00410067;	ZC3HAV1	13.4	7.28E-116	-0.052	3	12.5	Q2
IPI00298267;	PTGS1	19.2	1.16E-70	-0.052	5	5.1	Q2
IPI00021405;	LMNA	82.1	<1.0E-304	-0.052	107	13.2	Q2
IPI00004273;	RBM25	10.8	1.37E-29	-0.052	4	4.3	Q2
IPI00796366;	MYL6	45	2.20E-247	-0.052	14	4.0	Q2
IPI00413641;	AKR1B1	27.8	2.38E-35	-0.052	4	4.8	Q2
IPI00893197;	PPP2R4	20.4	3.55E-69	-0.051	3	2.8	Q2
IPI00003411	PTGIS	34.4	8.82E-172	-0.051	4	5.8	Q2
IPI00148063	HEBP1	62.4	6.17E-117	-0.051	5	5.4	Q2
IPI00016405;	OCIAD1	22.9	9.99E-43	-0.051	7	12.3	Q2
IPI00006579;	COX4I1	43.2	4.77E-42	-0.051	6	6.2	Q2
IPI00641990;	LAS1L	15.1	4.11E-110	-0.050	2	18.0	Q2
IPI00871780;	RBM12B	2.8	5.95E-09	-0.050	2	3.5	Q2
IPI00221224	ANPEP	49.8	<1.0E-304	-0.050	133	13.3	Q2
IPI00465179;	PFKM	13.2	1.08E-179	-0.050	6	3.6	Q2
IPI00027223;	IDH1	42	1.66E-193	-0.050	17	9.7	Q2
IPI00293260;	DNAJC10	18.2	2.89E-147	-0.049	5	5.7	Q2
IPI00896498;	MMP14	27.1	1.89E-192	-0.049	30	9.2	Q2
IPI00909484;	CDC42	34.3	9.72E-120	-0.049	11	5.7	Q2
IPI00007102;	C17orf25	17.1	2.24E-44	-0.049	4	7.5	Q2

IPI00852806;	EXOC6B	8.8	1.32E-53	-0.049	2	3.4	Q2
IPI00927647;	POR	30.9	1.04E-244	-0.048	7	6.1	Q2
IPI00412987;	GMFB	49.4	1.99E-202	-0.048	5	5.9	Q2
IPI00220063	NDUFS5	17.9	4.17E-06	-0.048	2	10.1	Q2
IPI00026337;	RANBP3	8.8	1.52E-05	-0.048	3	11.1	Q2
IPI00295386;	CBR1	75.1	<1.0E-304	-0.047	28	6.7	Q2
IPI00011284;	COMT	51.7	1.81E-262	-0.047	9	8.3	Q2
IPI00003519;	EFTUD2	34.3	<1.0E-304	-0.047	27	13.6	Q2
IPI00029601;	CTTN	47.6	<1.0E-304	-0.047	23	9.9	Q2
IPI00844159	PGM1	59.1	<1.0E-304	-0.047	18	33.0	Q2
IPI00305438;	VPS16	12.6	1.60E-146	-0.047	2	1.1	Q2
IPI00005202	PGRMC2	19.4	8.72E-88	-0.047	6	4.7	Q2
IPI00479018	SDCBP	5.3	<1.0E-304	-0.047	2	2.6	Q2
IPI00305978;	AKR7A2	24.8	1.16E-179	-0.047	3	2.1	Q2
IPI00291646;	MTHFD1L	17.7	6.04E-133	-0.046	16	7.9	Q2
IPI00152981;	ACAD9	31.2	7.42E-136	-0.046	9	12.9	Q2
IPI00240812;	PDS5B	7.8	8.68E-40	-0.045	2	7.5	Q2
IPI00005585	TAX1BP3	25	4.94E-45	-0.045	3	1.6	Q2
IPI00011302	CD59	25	4.12E-32	-0.045	3	6.8	Q2
IPI00000105;	MVP	70.5	<1.0E-304	-0.044	98	9.9	Q2
IPI00027107	TUFM	49.7	2.29E-167	-0.044	12	126.3	Q2
IPI00761017;	TGFB111	24.7	1.71E-203	-0.044	9	8.6	Q2
IPI00009368	SFXN1	30.1	3.38E-49	-0.044	4	13.2	Q2
IPI00473014;	DSTN	83	2.66E-148	-0.044	12	16.6	Q2
IPI00257508;	DPYSL2	73.6	<1.0E-304	-0.044	36	10.9	Q2
IPI00642378;	LASS2	6.2	1.07E-04	-0.044	2	0.7	Q2
IPI00873253;	SEC11A	13.5	7.28E-16	-0.043	2	6.9	Q2
IPI00009958;	COP55	26.9	7.45E-16	-0.043	3	92.6	Q2
IPI00375531;	NME1	7.9	6.38E-99	-0.043	2	7.4	Q2
IPI00017510	MT-CO2	35.2	8.72E-133	-0.043	9	85.4	Q2
IPI00029444;	C12orf10	14.4	5.32E-60	-0.043	4	3.4	Q2
IPI00465432;	NOMO2	31.3	<1.0E-304	-0.043	26	18.3	Q2
IPI00643920;	TKT	55	<1.0E-304	-0.043	46	10.9	Q2

IPI00026328	TXNDC12	17.4	1.14E-13	-0.043	3	5.2	Q2
IPI00151462;	MAP1LC3B2	22.4	1.57E-02	-0.043	3	4.7	Q2
IPI00749005;	SYNE1	5.8	7.57E-114	-0.043	33	10.0	Q2
IPI00783559	EXOC2	14.9	3.80E-100	-0.042	5	13.9	Q2
IPI00880164;	NAPRT1	12.8	9.29E-118	-0.042	2	10.5	Q2
IPI00021369;	CRYAB	66.3	6.60E-146	-0.042	13	5.2	Q2
IPI00304189;	OPTN	16.6	1.91E-58	-0.042	3	6.8	Q2
IPI00007682	ATP6V1A	57.9	<1.0E-304	-0.042	21	8.2	Q2
IPI00014589;	CLTB	25.3	5.39E-08	-0.042	3	12.6	Q2
IPI00029629	TRIM25	29	1.90E-219	-0.042	8	6.7	Q2
IPI00219424	SLC2A10	3.9	1.08E-02	-0.041	5	13.3	Q2
IPI00021370;	UBE2K	39.5	5.09E-49	-0.041	6	5.9	Q2
IPI00306604;	ITGA5	17.7	1.15E-203	-0.041	14	9.2	Q2
IPI00024157	FKBP3	38.4	2.43E-68	-0.041	5	3.5	Q2
IPI00026530	LMAN1	21.2	1.37E-55	-0.040	7	24.1	Q2
IPI00329672;	MYO1E	19.6	1.03E-188	-0.040	19	8.5	Q2
IPI00844172;	MYO6	18.3	3.64E-189	-0.040	10	10.9	Q2
IPI00008223;	RAD23B	22.7	2.79E-145	-0.040	9	11.6	Q2
IPI00646762;	NUDT5	53	1.00E-143	-0.040	7	3.4	Q2
IPI00607861	H6PD	30.2	1.47E-152	-0.040	6	12.5	Q2
IPI00658023;	PTPN11	32.3	9.77E-90	-0.039	3	7.5	Q2
IPI00220687;	HM13	6.8	2.33E-23	-0.039	6	4.5	Q2
IPI00027851;	HEXA	27.8	8.83E-165	-0.039	8	25.6	Q2
IPI00550682;	GRHPR	32.6	5.65E-248	-0.039	5	3.2	Q2
IPI00054042;	GTF2I	10.4	1.42E-40	-0.039	9	13.0	Q2
IPI00910593;	CNN2	60.9	3.68E-301	-0.039	28	7.2	Q2
IPI00009329;	UTRN	25.1	<1.0E-304	-0.038	34	39.9	Q2
IPI00182540;	CTNND1	38.1	1.09E-300	-0.037	22	9.8	Q2
IPI00291200;	NUP133	11.6	7.94E-129	-0.037	5	8.2	Q2
IPI00306280;	DENR	23.1	8.91E-127	-0.037	2	13.8	Q2
IPI00409684;	NCKAP1	28	6.31E-234	-0.037	19	8.3	Q2
IPI00301579	NPC2	33.3	3.20E-66	-0.037	6	7.4	Q2
IPI00218466;	SEC61A1	25.3	1.37E-88	-0.037	5	10.9	Q2

IPI00024705;	GIPC1	24.3	3.12E-53	-0.036	3	9.4	Q2
IPI00297084;	DDOST	38.4	5.57E-212	-0.036	22	100.6	Q2
IPI00012828;	ACAA1	15.3	2.02E-160	-0.036	5	3.8	Q2
IPI00007676;	HSD17B12	35.6	6.98E-92	-0.036	8	5.9	Q2
IPI00028561;	KIF5C	0.9	1.10E-120	-0.036	2	4.0	Q2
IPI00031169;	RAB2A	61.8	5.82E-173	-0.036	17	11.2	Q2
IPI00642238;	HP1BP3	27.1	3.27E-139	-0.036	13	7.4	Q2
IPI00007001;	MRPL11	24.5	1.42E-16	-0.036	2	4.0	Q2
IPI00025874;	RPN1	58.8	<1.0E-304	-0.036	41	98.6	Q2
IPI00219729;	SLC25A11	38.9	1.38E-65	-0.036	7	7.4	Q2
IPI00477494;	DRAP1	10.4	1.33E-15	-0.035	2	3.9	Q2
IPI00030255;	PLOD3	42.5	<1.0E-304	-0.035	26	7.1	Q2
IPI00514053;	ARCN1	39.3	2.93E-163	-0.035	17	11.9	Q2
IPI00246975;	GSTM3	55.1	9.14E-141	-0.035	7	3.4	Q2
IPI00419250;	GSTT2	41.4	2.01E-76	-0.035	8	7.0	Q2
IPI00023006;	ACTC1	46.9	<1.0E-304	-0.034	19	34.5	Q2
IPI00300567;	DCI	18.2	1.40E-42	-0.034	2	4.6	Q2
IPI00016670	C11orf59	50.3	9.17E-88	-0.034	7	5.8	Q2
IPI00893443;	EMILIN1	10.1	6.63E-14	-0.034	2	11.8	Q2
IPI00022334	OAT	40.8	8.16E-141	-0.034	9	14.4	Q2
IPI00219446;	PEBP1	84	<1.0E-304	-0.034	15	10.0	Q2
IPI00291607;	ITPR3	5	1.22E-35	-0.034	2	2.6	Q2
IPI00010790;	BGN	32.1	2.49E-37	-0.034	10	9.9	Q2
IPI00456664;	NIT1	13.6	1.15E-48	-0.033	4	6.9	Q2
IPI00024670;	REEP5	20.6	1.54E-40	-0.033	6	17.5	Q2
IPI00010154;	GDI1	47.4	<1.0E-304	-0.033	14	15.1	Q2
IPI00003856;	ATP6V1E1	45.6	6.48E-72	-0.033	11	13.9	Q2
IPI00026216;	NPEPPS	45.8	1.33E-287	-0.033	27	10.5	Q2
IPI00217943;	RAB6A	54.8	3.42E-125	-0.033	7	8.0	Q2
IPI00784414;	STAT3	42.9	<1.0E-304	-0.033	12	5.3	Q2
IPI00011937;	PRDX4	34.3	3.18E-126	-0.033	9	3.1	Q2
IPI00215920	ARF6	30.3	7.67E-51	-0.033	3	9.3	Q2
IPI00004397;	RALB	24.1	2.37E-32	-0.032	5	6.9	Q2

IPI00306960;	NARS	47.3	<1.0E-304	-0.032	15	7.6	Q2
IPI00028055;	TMED10	29.2	2.82E-197	-0.032	10	3.7	Q2
IPI00216003;	CUL5	12.5	2.98E-27	-0.032	2	8.4	Q2
IPI00030877	SEPT15	23	2.68E-62	-0.032	2	7.7	Q2
IPI00291893;	DCUN1D1	17.4	3.29E-68	-0.032	3	12.6	Q2
IPI00008530;	RPLP0	57.4	3.62E-297	-0.031	31	17.2	Q2
IPI00215948;	CTNNA1	59.4	<1.0E-304	-0.031	37	8.6	Q2
IPI00025285;	ATP6V1G1	44.9	9.84E-101	-0.031	3	7.7	Q2
IPI00924713;	PCYT1A	13.2	1.13E-20	-0.031	2	6.1	Q2
IPI00293126;	TBCB	45.9	1.85E-115	-0.030	8	16.7	Q2
IPI00438170;	SNX12	42.4	1.26E-57	-0.030	7	10.2	Q2
IPI00029046;	MLEC	29.5	2.89E-138	-0.030	6	5.7	Q2
IPI00009906	ARMCX3	15	5.07E-25	-0.030	3	13.4	Q2
IPI00006865	SEC22B	64.2	3.79E-259	-0.029	25	9.1	Q2
IPI00064193;	TMX3	13.7	6.31E-49	-0.029	4	3.2	Q2
IPI00655754;	UFD1L	20.7	2.03E-57	-0.029	5	3.1	Q2
IPI00179330;	RPS27A	42.3	1.53E-80	-0.029	60	10.6	Q2
IPI00910816;	SNW1	6.8	6.25E-16	-0.029	2	5.8	Q2
IPI00011107	IDH2	35.4	1.06E-106	-0.029	8	6.6	Q2
IPI00010460;	AIP	20.3	2.48E-23	-0.029	2	2.7	Q2
IPI00760962;	KANK2	33.1	9.77E-272	-0.029	18	8.2	Q2
IPI00004436;	LSM1	39.1	7.35E-19	-0.029	2	2.4	Q2
IPI00303476;	ATP5B	69.6	<1.0E-304	-0.029	55	22.4	Q2
IPI00215911;	APEX1	48.1	1.42E-212	-0.029	7	76.2	Q2
IPI00216308;	VDAC1	71	6.49E-221	-0.029	17	11.5	Q2
IPI00903286;	SNRPD1	29.5	8.90E-78	-0.029	5	15.6	Q2
IPI00299095	SNX2	30.8	8.03E-137	-0.029	10	66.9	Q2
IPI00304692;	RBMX	34	7.04E-102	-0.029	16	12.0	Q2
IPI00395605;	ARHGEF1	14.7	6.64E-55	-0.028	6	3.2	Q2
IPI00013271;	DERL1	16.3	4.85E-19	-0.028	2	5.5	Q2
IPI00021812;	AHNAK	78	<1.0E-304	-0.028	1372	19.3	Q2
IPI00219219;	LGALS1	95.6	1.08E-303	-0.028	40	40.7	Q2
IPI00216047;	SMARCC2	8.2	8.20E-114	-0.028	10	20.1	Q2

IPI00073958;	CNRIP1	39.6	6.54E-38	-0.028	4	6.4	Q2
IPI00065500;	BROX	20.4	1.31E-43	-0.027	3	6.5	Q2
IPI00910977;	MPST	24	2.18E-88	-0.027	2	2.5	Q2
IPI00008868;	MAP1B	39.5	<1.0E-304	-0.027	85	14.9	Q2
IPI00414008;	LMOD1	18.4	9.20E-85	-0.027	3	9.2	Q2
IPI00443909;	CNPY2	42.9	1.16E-126	-0.027	6	8.8	Q2
IPI00034319;	CUTA	27.8	1.19E-42	-0.027	2	8.6	Q2
IPI00554538;	TPP1	18.7	<1.0E-304	-0.027	3	7.0	Q2
IPI00005648;	SAFB2	13.4	2.28E-75	-0.027	8	6.6	Q2
IPI00024976	TOMM22	48.6	1.44E-86	-0.027	4	2.9	Q2
IPI00018871;	ARL8B	45	5.00E-118	-0.027	9	11.6	Q2
IPI00020356;	MAP1A	15.2	<1.0E-304	-0.027	29	10.2	Q2
IPI00784159;	ANKRD13D	2.1	8.64E-10	-0.026	2	1.2	Q2
IPI00026154;	PRKCSH	43.6	1.83E-200	-0.026	15	21.1	Q2
IPI00027350;	PRDX2	36.9	1.32E-110	-0.026	8	2.7	Q2
IPI00219910;	BLVRB	46.9	2.54E-137	-0.026	8	7.0	Q2
IPI00017342	RHOG	45	7.37E-201	-0.026	8	10.2	Q2
IPI00102752;	RBM15	6.3	8.70E-09	-0.026	2	14.5	Q2
IPI00101037	RCN3	43.9	6.73E-200	-0.026	9	14.6	Q2
IPI00033494;	MYL12B	68.6	<1.0E-304	-0.026	21	9.2	Q2
IPI00017375	SEC23A	52.3	<1.0E-304	-0.026	31	10.7	Q2
IPI00025512;	HSPB1	87.3	<1.0E-304	-0.026	39	8.7	Q2
IPI00006052	PFDN2	22.7	5.32E-62	-0.026	4	4.4	Q2
IPI00013872;	KDEL3	15.9	2.27E-06	-0.026	3	8.6	Q2
IPI00216719;	ERC1	21.2	4.77E-150	-0.025	13	8.9	Q2
IPI00010860;	PSMD9	45.3	1.73E-42	-0.025	3	9.3	Q2
IPI00427330;	SBDS	54.4	2.45E-40	-0.025	9	6.3	Q2
IPI00015773;	COMMD3	16.4	4.04E-41	-0.025	2	0.1	Q2
IPI00025815;	TARDBP	18	7.73E-127	-0.025	6	7.1	Q2
IPI00294955	LSM4	25.2	7.13E-65	-0.024	2	5.6	Q2
IPI00023191;	TOM1	11.4	1.65E-103	-0.024	4	12.1	Q2
IPI00927150;	CHCHD3	18.3	3.12E-87	-0.024	4	5.1	Q2
IPI00002134;	PSMD5	36.3	<1.0E-304	-0.024	11	7.4	Q2

IPI00007750;	TUBA4A	10.7	<1.0E-304	-0.024	6	10.6	Q2
IPI00013468;	BUB3	26.2	2.33E-36	-0.024	3	6.4	Q2
IPI00396015;	ACACA	14.2	2.73E-169	-0.024	8	9.9	Q2
IPI00428967;	TIRAP3	13.6	2.32E-26	-0.024	4	15.3	Q2
IPI00009253;	NAPA	54.2	4.36E-261	-0.024	15	4.9	Q2
IPI00292134;	EPS15	7.6	1.02E-39	-0.023	2	5.4	Q2
IPI00001661;	RCC1	17.3	5.85E-73	-0.022	3	10.8	Q2
IPI00026964;	UQCRFS1	19	2.79E-36	-0.022	3	9.7	Q2
IPI00031697;	TMEM109	12.8	9.72E-18	-0.022	2	6.0	Q2
IPI00029997;	PGLS	67.1	2.10E-302	-0.022	10	7.5	Q2
IPI00302712;	DYNC112	18.8	2.10E-161	-0.022	6	11.2	Q2
IPI00306301;	PDHA1	19.6	7.03E-46	-0.022	4	4.1	Q2
IPI00016112;	PXDN	11.8	1.15E-104	-0.022	9	7.9	Q2
IPI00029159;	MRE11A	13.9	6.96E-103	-0.022	4	3.1	Q2
IPI00216951;	DARS	47.5	3.94E-116	-0.021	12	5.3	Q2
IPI00015865;	ADPRHL2	5.8	4.66E-22	-0.021	2	6.5	Q2
IPI00016339;	RAB5C	47.7	3.40E-227	-0.021	19	6.8	Q2
IPI00029133;	ATP5F1	43.4	7.87E-148	-0.021	14	7.2	Q2
IPI00014263;	EIF4H	53.6	4.41E-235	-0.021	11	13.2	Q2
IPI00031522;	HADHA	60.2	<1.0E-304	-0.021	40	8.2	Q2
IPI00032826;	ST13	27.4	5.32E-126	-0.020	7	12.1	Q2
IPI00032473;	PPIL3	26.1	3.25E-19	-0.020	3	2.4	Q2
IPI00796337;	PCBP2	21.6	6.36E-166	-0.020	6	5.2	Q2
IPI00396231;	AER61	8.3	8.76E-24	-0.020	2	5.7	Q2
IPI00027032;	LYPLA2	29.4	3.65E-90	-0.020	4	4.9	Q2
IPI00018931;	VPS35	45.6	<1.0E-304	-0.020	17	17.5	Q2
IPI00299024;	BASP1	70.9	<1.0E-304	-0.019	11	8.2	Q2
IPI00796864;	DPM1	38	6.46E-72	-0.019	4	5.5	Q2
IPI00470674;	CYB5R1	28.9	1.55E-31	-0.019	7	9.2	Q2
IPI00009960;	IMMT	45.5	<1.0E-304	-0.019	15	10.8	Q2
IPI00332371;	PFKL	32.2	<1.0E-304	-0.019	11	46.2	Q2
IPI00215888;	SRP72	32.5	4.16E-183	-0.019	5	4.1	Q2
IPI00219299;	TLN2	14.9	<1.0E-304	-0.019	7	9.7	Q2

IPI00239406;	SYNE2	2.6	6.14E-27	-0.019	12	24.9	Q2
IPI00024403;	CPNE3	25.7	7.78E-114	-0.019	7	5.0	Q2
IPI00465431	LGALS3	37.2	1.58E-67	-0.018	22	24.4	Q2
IPI00025277	PDCD6	44	3.81E-48	-0.018	4	8.6	Q2
IPI00220031;	PXN	15.4	3.69E-123	-0.018	5	20.1	Q2
IPI00215777;	SLC25A3	43.5	5.51E-213	-0.018	32	47.0	Q2
IPI00025084;	CAPNS1	66.8	<1.0E-304	-0.018	23	8.1	Q2
IPI00022824;	SH3GLB1	26.9	1.96E-63	-0.018	5	10.7	Q2
IPI00550689;	C22orf28	23.8	2.18E-84	-0.018	6	7.0	Q2
IPI00027014;	DCTN3	39.2	2.09E-18	-0.018	5	1.3	Q2
IPI00010796;	P4HB	67.9	<1.0E-304	-0.018	87	21.3	Q2
IPI00219675;	RAC1	41.2	2.05E-73	-0.018	12	5.8	Q2
IPI00747810;	FSCN1	54.6	<1.0E-304	-0.018	24	8.4	Q2
IPI00216975	TPM4	72.2	<1.0E-304	-0.018	45	16.9	Q2
IPI00098902;	OGDH	29.8	3.36E-217	-0.017	23	12.3	Q2
IPI00026268;	GNB1	33.2	2.91E-265	-0.017	7	18.2	Q2
IPI00023591;	PURA	24.2	1.66E-171	-0.017	5	6.8	Q2
IPI00027252;	PHB2	62.5	<1.0E-304	-0.017	17	47.1	Q2
IPI00642584;	KIAA0090	23.6	6.05E-118	-0.017	14	14.5	Q2
IPI00005087	TMOD3	34.9	3.00E-137	-0.017	5	7.9	Q2
IPI00009225;	STX8	24.6	1.18E-87	-0.017	2	10.3	Q2
IPI00221222	SUB1	31.5	1.91E-44	-0.017	6	3.9	Q2
IPI00099550;	UBQLN1	21.2	6.58E-85	-0.017	3	8.7	Q2
IPI00026942;	ERLIN2	45.7	2.17E-287	-0.016	9	47.1	Q2
IPI00293078	DDX27	9.5	1.65E-23	-0.016	5	16.1	Q2
IPI00646304;	PPIB	62	7.66E-304	-0.016	38	5.6	Q2
IPI00298281	LAMC1	19	<1.0E-304	-0.016	24	11.9	Q2
IPI00298547	PARK7	78.8	1.12E-249	-0.016	22	7.4	Q2
IPI00100160;	CAND1	41.8	<1.0E-304	-0.016	55	16.9	Q2
IPI00014361;	TSTA3	24.3	9.02E-96	-0.016	5	8.3	Q2
IPI00026059;	SNTB1	5	2.44E-02	-0.016	2	0.4	Q2
IPI00642211;	RNPEP	43.5	3.43E-235	-0.016	14	10.0	Q2
IPI00020164;	PTP4A1	21.4	1.16E-29	-0.016	2	1.9	Q2

IPI00020567;	ARHGAP1	62.9	<1.0E-304	-0.016	10	7.6	Q2
IPI00440493;	ATP5A1	64	<1.0E-304	-0.015	46	28.9	Q2
IPI00006092;	PMM2	29.3	8.86E-22	-0.015	5	12.7	Q2
IPI00017344;	RAB5B	33	5.94E-130	-0.015	4	8.7	Q2
IPI00027342;	CAP2	15.9	8.36E-83	-0.015	2	9.8	Q2
IPI00013723;	PIN1	47.2	1.63E-121	-0.015	4	7.4	Q2
IPI00014053;	TOMM40	19.1	7.93E-27	-0.015	3	11.3	Q2
IPI00913848;	FERMT2	53.6	<1.0E-304	-0.015	25	13.1	Q2
IPI00219067;	GSTM2	47.2	1.39E-167	-0.014	5	6.0	Q2
IPI00005657;	PFDN6	24	3.05E-22	-0.014	2	11.2	Q2
IPI00020898;	RPS6KA3	23.6	4.68E-54	-0.014	4	3.4	Q2
IPI00008569;	YKT6	43.4	1.92E-119	-0.014	9	5.7	Q2
IPI00787827;	PITRM1	21.8	4.91E-158	-0.014	14	16.3	Q2
IPI00411733;	DHX30	4.7	3.86E-12	-0.014	3	6.1	Q2
IPI00183002;	PPP1R12A	24.7	1.74E-238	-0.014	19	15.6	Q2
IPI00015911;	DLD	21.4	6.24E-224	-0.014	7	5.9	Q2
IPI00143921;	KDELC2	31.8	8.58E-177	-0.013	7	7.5	Q2
IPI00027378;	UBXN1	27.3	3.78E-166	-0.013	6	10.2	Q2
IPI00297113;	TRIM32	6.1	6.61E-50	-0.013	2	3.6	Q2
IPI00748502;	CRTAP	26.7	7.76E-66	-0.013	7	8.2	Q2
IPI00872762;	SUCLG1	22.3	1.63E-49	-0.013	3	13.9	Q2
IPI00027444;	SERPINB1	14.5	1.30E-40	-0.013	3	24.9	Q2
IPI00303207	ABCE1	34.9	1.87E-303	-0.013	6	15.0	Q2
IPI00016608;	TMED2	27.4	2.17E-16	-0.013	9	9.6	Q2
IPI00874235;	ERGIC1	22.4	2.44E-36	-0.012	3	6.3	Q2
IPI00022542;	ROCK1	16.8	1.23E-124	-0.012	11	14.0	Q2
IPI00026546;	PAFAH1B2	27.1	7.37E-92	-0.012	2	3.3	Q2
IPI00297452;	TFG/ALK fusion	3.1	1.20E-04	-0.012	2	0.4	Q2
IPI00304596;	NONO	46.1	<1.0E-304	-0.012	30	24.3	Q2
IPI00829865;	TMTC3	7.7	1.99E-46	-0.012	4	23.5	Q2
IPI00477231;	MGEA5	9.1	4.55E-34	-0.012	3	5.3	Q2
IPI00016457;	CRAT	16	1.40E-37	-0.012	3	14.9	Q2
IPI00221325;	RANBP2	8.7	2.36E-186	-0.012	13	26.0	Q2

IPI00301364;	SKP1	33.1	1.66E-84	-0.012	3	4.4	Q2
IPI00019157	CSPG4	2.1	7.52E-28	-0.012	3	18.9	Q2
IPI00550917;	TWF2	45.8	1.84E-204	-0.011	6	50.5	Q2
IPI00003807;	ACP2	15.8	6.09E-28	-0.011	3	7.9	Q2
IPI00328243;	PLD3	10.2	5.88E-44	-0.011	7	8.5	Q2
IPI00016342;	RAB7A	83.1	<1.0E-304	-0.011	28	18.4	Q2
IPI00215901;	AK2	68.6	1.17E-108	-0.011	11	63.2	Q2
IPI00298308;	ALDH1L2	44.5	<1.0E-304	-0.011	6	8.4	Q2
IPI00215824;	PSMB8	25.4	1.37E-67	-0.011	2	0.9	Q2
IPI00333913;	NBAS	5.8	1.80E-40	-0.011	4	16.2	Q2
IPI00219840;	AP2S1	16.9	7.32E-04	-0.011	2	5.2	Q2
IPI00184546	C12orf23	38.8	7.06E-21	-0.010	2	0.2	Q2
IPI00030363;	ACAT1	46.4	<1.0E-304	-0.010	11	8.7	Q2
IPI00034277;	ATP13A1	12.5	6.51E-42	-0.010	4	7.3	Q2
IPI00097495;	TBC1D2	17.7	1.15E-69	-0.010	9	15.4	Q2
IPI00748145;	GNAI2	47.9	7.66E-259	-0.010	14	6.4	Q2
IPI00168479;	APOA1BP	18.6	6.11E-108	-0.010	3	7.0	Q2
IPI00873829;	ACAA2	28.7	2.96E-162	-0.010	5	10.4	Q2
IPI00744692;	TALDO1	47.8	1.79E-146	-0.010	10	8.1	Q2
IPI00719051;	EXOC5	9.2	5.63E-33	-0.010	3	2.0	Q2
IPI00019502;	MYH9	75.4	<1.0E-304	-0.010	800	17.5	Q2
IPI00304435;	NIPSNAP1	26.4	4.35E-31	-0.010	4	11.9	Q2
IPI00470779	TXLNA	20.1	1.01E-30	-0.010	4	4.9	Q2
IPI00793201;	AIMP1	29.5	4.82E-92	-0.009	3	8.1	Q2
IPI00006482;	ATP1A1	35.2	<1.0E-304	-0.009	45	56.9	Q2
IPI00413500;	COMMD4	18.6	2.23E-04	-0.009	2	2.7	Q2
IPI00414717;	GLG1	21.4	1.78E-104	-0.009	24	16.8	Q2
IPI00477962;	UAP1L1	18.5	4.40E-117	-0.009	4	23.1	Q2
IPI00411706;	ESD	39	4.15E-121	-0.009	3	5.3	Q2
IPI00296922;	LAMB2	17.3	8.33E-237	-0.009	17	9.8	Q2
IPI00217143;	SDHA	36.7	1.38E-285	-0.009	5	8.3	Q2
IPI00022793;	HADHB	42.4	2.61E-137	-0.009	14	18.4	Q2
IPI00017160;	VTA1	23.1	5.34E-16	-0.009	5	14.2	Q2

IPI00328748;	ARMET	38.9	5.24E-85	-0.009	6	10.4	Q2
IPI00552277;	UBL4A	24.4	1.55E-05	-0.008	3	11.2	Q2
IPI00871870;	ARPC3	63.5	8.25E-123	-0.008	13	7.2	Q2
IPI00305833	SMU1	6.4	3.74E-10	-0.008	2	3.5	Q2
IPI00217550;	MSRB3	10.8	9.28E-14	-0.008	2	8.5	Q2
IPI00215893;	HMOX1	51.4	8.99E-195	-0.008	7	6.0	Q2
IPI00004358;	PYGB	49	<1.0E-304	-0.008	25	10.1	Q2
IPI00305551;	GNA11	30.9	1.62E-111	-0.008	6	3.9	Q2
IPI00015602;	TOMM70A	19.9	7.83E-134	-0.008	6	8.2	Q2
IPI00217405	UBR1	1.4	3.09E-03	-0.007	2	17.6	Q2
IPI00018246;	HK1	48.9	<1.0E-304	-0.007	48	14.5	Q2
IPI00003968;	NDUFA9	24.4	5.07E-41	-0.007	4	10.8	Q2
IPI00304742	STK10	4.5	1.50E-99	-0.007	3	2.6	Q2
IPI00102815;	NOC3L	4.9	6.40E-22	-0.007	2	3.7	Q2
IPI00215918;	ARF4	38.9	2.51E-199	-0.007	13	35.8	Q2
IPI00796891;	GOLGB1	27.3	<1.0E-304	-0.007	81	39.7	Q2
IPI00604664;	NDUFS1	39.4	<1.0E-304	-0.007	9	6.8	Q2
IPI00024911;	ERP29	47.1	1.15E-188	-0.007	15	5.1	Q2
IPI00828150;	SUGT1	33.7	1.31E-152	-0.006	4	30.5	Q2
IPI00657938;	SNX18	14.7	3.27E-87	-0.006	4	17.4	Q2
IPI00430472;	ASCC3	6.3	1.27E-39	-0.006	3	8.4	Q2
IPI00069750;	PUF60	27.9	8.62E-91	-0.006	3	5.4	Q2
IPI00420014;	SNRNP200	33.7	<1.0E-304	-0.006	31	19.0	Q2
IPI00329801;	ANXA5	80.3	<1.0E-304	-0.006	85	7.6	Q2
IPI00219217;	LDHB	54.8	<1.0E-304	-0.006	33	7.5	Q2
IPI00215637;	DDX3X	48.3	<1.0E-304	-0.006	24	10.1	Q2
IPI00299149;	SUMO2	23.2	1.87E-22	-0.006	7	8.9	Q2
IPI00217563;	ITGB1	26.1	9.04E-209	-0.005	40	27.2	Q2
IPI00007346;	PPIH	22	6.35E-10	-0.005	2	12.6	Q2
IPI00002520;	SHMT2	38.1	9.46E-178	-0.005	11	7.4	Q2
IPI00009634;	SQRDL	26	1.27E-109	-0.005	5	14.3	Q2
IPI00075248;	CALM1	78.5	<1.0E-304	-0.005	7	9.0	Q2
IPI00550368;	TENC1	1.7	9.25E-36	-0.005	2	27.5	Q2

IPI00401264	ERP44	24.4	4.88E-83	-0.005	10	4.3	Q2
IPI00005537;	MRPL12	28.8	2.88E-34	-0.005	2	1.4	Q2
IPI00020513;	ZYX	46.7	<1.0E-304	-0.005	15	4.8	Q2
IPI00329536;	EEA1	60.2	<1.0E-304	-0.005	60	10.1	Q2
IPI00018146;	YWHAQ	55.5	<1.0E-304	-0.004	15	12.0	Q2
IPI00293350;	TSNAX	23.1	7.58E-96	-0.004	3	1.6	Q2
IPI00019385;	SSR4	34.8	8.20E-94	-0.004	8	48.9	Q2
IPI00795979;	FLOT2	25.9	3.44E-80	-0.004	3	10.9	Q2
IPI00025721;	COPS3	18.7	5.32E-60	-0.004	5	9.9	Q2
IPI00299084	TMEM33	19	8.93E-25	-0.004	5	7.2	Q2
IPI00816415;	AKAP2	19.6	6.88E-261	-0.004	9	7.6	Q2
IPI00643166;	PGM3	33.3	6.38E-166	-0.004	9	10.7	Q2
IPI00032851;	COPZ1	35	2.27E-111	-0.004	5	3.7	Q2
IPI00479191;	HNRNPH1	37.5	<1.0E-304	-0.004	20	11.1	Q2
IPI00291006;	MDH2	63.6	<1.0E-304	-0.004	24	4.8	Q2
IPI00219757;	GSTP1	61	<1.0E-304	-0.004	23	10.6	Q2
IPI00005161;	ARPC2	61.7	7.13E-141	-0.004	16	19.8	Q2
IPI00220648	PMVK	35.9	2.84E-17	-0.003	4	4.5	Q2
IPI00794659;	RPS20	28.9	1.47E-47	-0.003	7	5.3	Q2
IPI00004902;	ETFB	40.8	2.44E-98	-0.003	11	7.2	Q2
IPI00013744	ITGA2	15.5	2.95E-237	-0.003	17	14.9	Q2
IPI00013475;	TUBB2A	20.9	<1.0E-304	-0.003	18	9.2	Q2
IPI00915855;	VDAC2	42.5	1.33E-177	-0.003	10	5.6	Q2
IPI00328840;	THOC4	34.1	4.35E-103	-0.003	6	5.6	Q2
IPI00006666;	SLC16A3	10.5	2.87E-14	-0.003	2	10.4	Q2
IPI00513853;	STX12	21.4	8.49E-94	-0.003	4	3.3	Q2
IPI00910883;	CALCOCO2	5.3	1.00E-02	-0.003	2	13.2	Q2
IPI00292020	SRM	35.4	8.68E-111	-0.003	8	8.5	Q2
IPI00873875;	SH3KBP1	5.6	8.85E-17	-0.002	2	1.5	Q2
IPI00022275;	SACM1L	15.3	1.60E-29	-0.002	3	8.0	Q2
IPI00413611;	TOP1	21.2	7.58E-42	-0.002	11	11.0	Q2
IPI00746030;	PLCD1	12	1.09E-46	-0.002	2	2.9	Q2
IPI00893746;	NHP2L1	37.1	3.81E-32	-0.002	2	3.8	Q2

IPI00017334;	PHB	67.6	5.15E-262	-0.002	16	9.8	Q2
IPI00797126;	NACA	7.6	7.40E-178	-0.002	9	5.8	Q2
IPI00215919;	ARF5	31.7	1.59E-150	-0.002	4	5.7	Q2
IPI00015018;	PPA1	44.6	1.54E-188	-0.002	6	15.7	Q2
IPI00008982;	ALDH18A1	44.3	<1.0E-304	-0.002	17	15.2	Q2
IPI00293464;	DDB1	35	1.06E-238	-0.002	27	10.9	Q2
IPI00007058;	CORO1B	24.1	1.53E-93	-0.002	8	9.6	Q2
IPI00186969;	SCYL1	15.6	1.25E-76	-0.001	6	8.9	Q2
IPI00106687	LXN	16.7	7.97E-45	-0.001	2	4.0	Q2
IPI00747533;	PGD	49	<1.0E-304	-0.001	8	6.2	Q2
IPI00017617;	DDX5	27.4	6.85E-143	-0.001	12	7.1	Q2
IPI00411426;	VPS26A	27.8	1.75E-184	-0.001	5	7.1	Q2
IPI00169383;	PGK1	83.2	<1.0E-304	-0.001	39	13.3	Q2
IPI00023647;	UBA6	26.5	3.36E-234	-0.001	20	6.7	Q2
IPI00642984;	BCAP31	22.4	1.20E-61	-0.001	10	13.2	Q2
IPI00060715;	KCTD12	18.5	3.13E-24	-0.001	3	9.9	Q2
IPI00022827;	SLK	14.6	1.08E-62	-0.001	10	20.9	Q2
IPI00794221;	DBN1	25.3	1.99E-293	-0.001	13	6.4	Q2
IPI00384456;	MSH6	6.2	3.30E-22	-0.001	3	41.1	Q2
IPI00853201;	MRPL23	23.6	1.12E-12	-0.001	2	3.4	Q2
IPI00018873;	NAMPT	37.1	<1.0E-304	-0.001	6	4.4	Q2
IPI00018813;	COPS2	26.2	5.15E-69	-0.001	6	7.4	Q2
IPI00607685;	NUDT4	13.3	5.28E-03	0.000	2	3.5	Q2
IPI00909642;	FLNA	0.6	<1.0E-304	0.000	7	14.1	Q2
IPI00217918	ELMOD2	6.5	1.64E-09	0.000	2	3.6	Q2
IPI00024919;	PRDX3	43.8	3.48E-155	0.000	9	20.6	Q2
IPI00103994;	LARS	40.1	<1.0E-304	0.000	34	10.3	Q2
IPI00790739;	ACO2	44.1	<1.0E-304	0.000	16	8.2	Q2
IPI00026516;	OXCT1	22.3	5.84E-169	0.000	5	9.4	Q2
IPI00376756;	HMGB3	13	1.25E-10	0.000	2	10.6	Q2
IPI00000643;	BAG2	40.3	9.98E-82	0.000	8	6.9	Q2
IPI00026105;	SCP2	28.7	1.95E-115	0.000	15	3.9	Q2
IPI00216319;	YWHAH	44.3	1.48E-243	0.000	13	17.5	Q2

IPI00168262;	GLT25D1	25.7	1.46E-168	0.000	12	26.0	Q2
IPI00171798;	MTA2	10.5	1.97E-13	0.000	2	17.8	Q2
IPI00008240;	MARS	26.6	<1.0E-304	0.001	16	13.1	Q2
IPI00644712;	XRCC6	53.4	<1.0E-304	0.001	25	15.8	Q2
IPI00219077;	LTA4H	46.3	3.03E-285	0.001	11	5.9	Q2
IPI00643342;	PEA15	54.3	5.99E-180	0.001	8	3.9	Q2
IPI00745568;	TIPRL	38.6	3.71E-19	0.001	7	10.0	Q2
IPI00000030;	PPP2R5D	15.4	1.15E-32	0.001	4	4.7	Q2
IPI00219153;	RPL22	59.4	2.54E-73	0.001	4	1.8	Q2
IPI00217490;	FNDC3B	8.2	1.10E-55	0.001	2	12.2	Q2
IPI00641829;	BAT1	41.3	5.86E-188	0.001	10	16.1	Q2
IPI00871851;	NEDD5	51	<1.0E-304	0.001	16	9.2	Q2
IPI00011416;	ECH1	26.8	9.16E-137	0.002	5	8.5	Q2
IPI00009822;	SRP54	29.6	8.15E-162	0.002	5	12.3	Q2
IPI00170935	LRRC47	29	3.48E-165	0.002	8	9.0	Q2
IPI00395488	VASN	8.2	2.39E-151	0.002	4	17.4	Q2
IPI00022977;	CKB	21.5	3.74E-132	0.002	2	7.4	Q2
IPI00005198;	ILF2	32.6	2.10E-245	0.003	14	6.2	Q2
IPI00289758;	CAPN2	60.9	<1.0E-304	0.003	20	6.1	Q2
IPI00009949;	PSMF1	16.2	9.93E-75	0.003	3	11.2	Q2
IPI00023640;	PDCD5	60.8	2.35E-50	0.003	4	15.1	Q2
IPI00007814;	ATP6V1C1	29.6	5.46E-135	0.003	6	2.0	Q2
IPI00654569;	CAMK2D	23.3	1.26E-137	0.003	6	5.0	Q2
IPI00007755;	RAB21	39.1	2.06E-101	0.003	5	2.9	Q2
IPI00216694;	PLS3	67.1	<1.0E-304	0.003	33	9.9	Q2
IPI00328170;	MOGS	35.1	7.51E-178	0.003	13	9.7	Q2
IPI00017469;	SPR	29.1	4.69E-234	0.003	5	13.0	Q2
IPI00023234	UBA2	29.1	7.94E-116	0.003	3	2.1	Q2
IPI00021129;	AP3B1	28.9	6.02E-137	0.004	28	6.8	Q2
IPI00027175;	SRI	23.7	3.15E-18	0.004	4	12.2	Q2
IPI00644231;	CYFIP1	29.2	<1.0E-304	0.004	30	13.1	Q2
IPI00217468;	HIST1H1B	22.1	2.79E-72	0.004	9	18.6	Q2
IPI00871693;	VAMP3	53	9.92E-134	0.004	7	8.5	Q2

IPI00647217	SKIV2L2	8.2	6.30E-12	0.004	5	7.5	Q2
IPI00013122	CDC37	34.7	3.68E-216	0.005	9	4.8	Q2
IPI00334159	VBP1	38.2	2.58E-56	0.005	7	10.2	Q2
IPI00478231;	RHOA	59.6	2.14E-272	0.005	23	7.9	Q2
IPI00028957;	UBE4A	9.4	8.40E-41	0.005	6	11.4	Q2
IPI00177728;	CNDP2	54.7	1.08E-161	0.005	12	11.9	Q2
IPI00298991;	KIAA1033	20.5	2.37E-234	0.005	13	9.6	Q2
IPI00068506;	ABCF2	10.4	6.12E-41	0.005	4	7.5	Q2
IPI00395887;	TMX1	19.3	6.42E-46	0.005	3	3.8	Q2
IPI00000874;	PRDX1	67.8	8.74E-252	0.005	31	12.8	Q2
IPI00640088;	CSNK2B	27.8	9.68E-29	0.005	4	11.8	Q2
IPI00005978;	SFRS2	28.1	2.11E-100	0.005	6	10.3	Q2
IPI00411680;	PCMT1	31.6	4.19E-154	0.005	5	30.4	Q2
IPI00216318;	YWHAB	58.9	<1.0E-304	0.005	19	6.6	Q2
IPI00829927;	ARMC9	30.2	1.57E-227	0.005	24	10.8	Q2
IPI00305383	UQCRC2	37.7	2.29E-229	0.006	9	10.7	Q2
IPI00828098;	RNF213	1	1.87E-142	0.006	3	11.0	Q2
IPI00299571;	PDIA6	49.2	<1.0E-304	0.006	27	7.7	Q2
IPI00027443;	DKFZp686F1612	30.7	6.65E-161	0.006	13	9.9	Q2
IPI00219682;	STOM	45.1	<1.0E-304	0.006	16	5.8	Q2
IPI00419237;	LAP3	40.7	4.38E-179	0.006	14	8.3	Q2
IPI00889514;	HEATR7A	6.8	4.14E-55	0.006	4	5.7	Q2
IPI00020436;	RAB11B	50.9	1.79E-184	0.006	14	6.0	Q2
IPI00298994;	TLN1	69.1	<1.0E-304	0.006	347	15.5	Q2
IPI00014377;	RAB32	57.3	3.25E-65	0.007	7	6.2	Q2
IPI00016610	PCBP1	41	9.37E-207	0.007	14	15.6	Q2
IPI00017963;	SNRPD2	67.8	5.66E-41	0.007	5	7.5	Q2
IPI00024364;	TNPO1	24.4	1.18E-156	0.007	13	6.6	Q2
IPI00029079;	GMPS	28.1	2.36E-175	0.007	8	7.1	Q2
IPI00147874;	NANS	27.9	6.42E-59	0.007	7	17.7	Q2
IPI00010349;	AGPS	16.3	5.96E-149	0.007	3	24.7	Q2
IPI00005707;	MRC2	20.9	<1.0E-304	0.007	20	9.4	Q2
IPI00914048;	C11orf68	17.7	1.69E-09	0.007	2	6.8	Q2

IPI00916111;	MDH1	37.8	3.33E-254	0.007	9	6.1	Q2
IPI00009104;	RUVBL2	38.9	7.83E-275	0.008	10	9.4	Q2
IPI00019407;	NSDHL	21.4	1.25E-34	0.008	3	1.0	Q2
IPI00005154;	SSRP1	30.3	1.15E-246	0.008	11	10.3	Q2
IPI00218733;	SOD1	50	5.13E-187	0.008	4	7.3	Q2
IPI00011285;	CAPN1	49.2	<1.0E-304	0.008	30	7.7	Q2
IPI00022254;	ATG3	24.2	1.34E-54	0.008	3	9.0	Q2
IPI00028888;	HNRNPD	39.7	<1.0E-304	0.008	15	7.4	Q2
IPI00844578;	DHX9	43.5	<1.0E-304	0.008	75	11.1	Q2
IPI00033022;	DNM2	35.7	3.99E-182	0.008	22	14.4	Q2
IPI00375380;	PSMD13	49.5	7.30E-210	0.008	5	4.4	Q2
IPI00639957;	CARM1	22	2.08E-64	0.008	6	26.1	Q2
IPI00872261;	AHCYL1	15.7	5.73E-13	0.008	4	6.8	Q2
IPI00009032;	SSB	35	6.61E-98	0.008	5	87.8	Q2
IPI00216293;	TST	16.8	1.05E-61	0.008	2	9.1	Q2
IPI00549725;	PGAM1	78	<1.0E-304	0.008	29	13.9	Q2
IPI00246058;	PDCD6IP	53.8	<1.0E-304	0.009	36	10.1	Q2
IPI00759776;	ACTN1	57.2	<1.0E-304	0.009	103	28.2	Q2
IPI00217920;	ALDH16A1	11.7	1.70E-49	0.009	4	3.7	Q2
IPI00029764;	SF3A3	18.6	1.12E-71	0.009	6	11.8	Q2
IPI00010187;	ELOVL1	9	7.69E-31	0.009	9	32.0	Q2
IPI00307545;	TNS1	12.6	1.13E-147	0.010	15	12.8	Q2
IPI00413895;	GOLGA2	12.5	6.64E-72	0.010	7	3.7	Q2
IPI00554737;	PPP2R1A	50.4	<1.0E-304	0.010	21	8.2	Q2
IPI00413961;	DKFZp666O0110	4.7	4.84E-23	0.010	3	10.7	Q2
IPI00014898;	PLEC1	69.8	<1.0E-304	0.010	684	16.2	Q2
IPI00007423;	ANP32B	37.1	6.24E-143	0.010	14	11.8	Q2
IPI00916503;	BZW1	30.6	1.07E-56	0.011	9	6.8	Q2
IPI00926491;	PTCD1	3.2	1.20E-23	0.011	2	12.1	Q2
IPI00000581;	OTUB1	34.1	2.06E-106	0.011	6	7.6	Q2
IPI00003479;	MAPK1	52.2	1.67E-176	0.011	8	8.5	Q2
IPI00001699;	PYCARD	42.6	2.23E-62	0.011	8	3.8	Q2
IPI00006451;	NSF	47.8	<1.0E-304	0.011	23	14.4	Q2

IPI00010105;	EIF6	32.7	5.01E-159	0.011	4	9.7	Q2
IPI00014398;	FHL1	42.1	5.57E-149	0.011	10	10.9	Q2
IPI00033143	EIF3K	16.5	6.75E-40	0.011	3	5.7	Q2
IPI00179713;	IGF2BP2	32.7	3.52E-239	0.011	9	5.9	Q2
IPI00909773;	UBE2L3	25.9	6.17E-212	0.012	4	5.1	Q2
IPI00337494;	SLC25A24	37.5	9.32E-172	0.012	5	11.2	Q2
IPI00012011;	CFL1	91.6	<1.0E-304	0.012	28	33.2	Q2
IPI00026262;	RASA1	7.7	5.13E-65	0.012	5	4.0	Q2
IPI00031131;	APMAP	27.9	5.18E-63	0.012	7	5.1	Q2
IPI00007928;	PRPF8	27.3	<1.0E-304	0.012	32	10.2	Q2
IPI00215884;	SFRS1	43.5	8.02E-121	0.012	8	3.8	Q2
IPI00257059	TMEM173	18.7	6.51E-140	0.012	2	7.4	Q2
IPI00295992;	ATAD3A	32.1	5.62E-143	0.012	13	11.2	Q2
IPI00654582;	TOLLIP	14.5	6.62E-46	0.012	6	22.2	Q2
IPI00180404;	NEXN	23.7	5.55E-60	0.013	9	6.6	Q2
IPI00219249	CNTNAP1	14.8	3.37E-129	0.013	10	12.7	Q2
IPI00018311;	NPTN	9.3	3.60E-10	0.013	2	3.7	Q2
IPI00910322	TPM4	33.1	<1.0E-304	0.013	9	10.3	Q2
IPI00000811;	PSMB6	17.6	1.02E-20	0.013	3	3.9	Q2
IPI00217975;	LMNB1	51.7	<1.0E-304	0.013	17	14.7	Q2
IPI00409717;	EIF4A2	12.7	2.42E-282	0.013	3	0.6	Q2
IPI00473047;	PRKAG1	19.7	1.16E-215	0.013	3	10.3	Q2
IPI00011250;	UCHL3	22.6	3.50E-65	0.013	3	4.3	Q2
IPI00555956	PSMB4	40.9	1.96E-206	0.013	10	10.4	Q2
IPI00894395;	PSMB9	21	2.94E-13	0.013	2	5.3	Q2
IPI00247871;	TCERG1	8.7	1.86E-15	0.014	5	6.2	Q2
IPI00472442;	PSMA1	55	7.76E-129	0.014	11	34.2	Q2
IPI00791086;	EIF3D	28.5	1.63E-185	0.014	6	4.7	Q2
IPI00025252;	PDIA3	65	<1.0E-304	0.014	54	7.8	Q2
IPI00021840;	RPS6	33.3	5.17E-110	0.014	16	9.5	Q2
IPI00180954;	CIRBP	33.1	3.83E-52	0.014	3	0.2	Q2
IPI00215914;	ARF1	75.7	3.56E-273	0.014	17	6.7	Q2
IPI00290460;	EIF3G	17.5	1.04E-58	0.014	3	2.7	Q2

IPI00303318;	FAM49B	13.3	5.93E-52	0.014	2	11.8	Q2
IPI00029264	CYC1	10.8	5.89E-40	0.014	3	26.6	Q2
IPI00395694;	TNPO3	10	6.00E-117	0.014	4	4.0	Q2
IPI00010153;	RPL23	52.9	6.09E-207	0.015	11	6.5	Q2
IPI00658171;	YIF1A	13.1	9.77E-58	0.015	2	13.7	Q2
IPI00018206;	GOT2	36.7	4.29E-209	0.015	9	4.8	Q2
IPI00220416;	UQCRB	17.1	4.43E-13	0.015	2	10.0	Q2
IPI00015148;	RAP1B	67.4	1.61E-187	0.015	14	7.4	Q2
IPI00027280;	TOP2B	15.1	9.05E-180	0.015	7	3.5	Q2
IPI00513791;	DOCK7	13.5	1.39E-102	0.016	12	13.8	Q2
IPI00000861;	LASP1	44.4	1.72E-110	0.016	18	8.5	Q2
IPI00552073;	DHX16	3.4	1.57E-04	0.016	2	16.7	Q2
IPI00000634;	CCDC6	8.7	1.41E-15	0.016	2	19.3	Q2
IPI00399265;	TPD52L2	55.9	<1.0E-304	0.016	16	27.8	Q2
IPI00026302;	RPL31	53.6	2.11E-46	0.016	7	11.9	Q2
IPI00029731;	RPL35A	46.4	8.89E-10	0.016	9	7.3	Q2
IPI00002460;	ANXA7	30.5	2.14E-96	0.016	8	6.5	Q2
IPI00021808;	HARS	37.9	8.29E-136	0.016	8	20.0	Q2
IPI00024466;	UGCGL1	39.5	<1.0E-304	0.016	52	11.5	Q2
IPI00784154;	HSPD1	72.3	<1.0E-304	0.016	42	11.0	Q2
IPI00514587;	SARS	36.9	1.38E-154	0.017	13	7.3	Q2
IPI00010201;	PSMD8	20.9	9.11E-88	0.017	5	5.1	Q2
IPI00015902;	PDGFRB	18.9	2.54E-232	0.017	22	7.7	Q2
IPI00878611;	RANBP1	25.4	1.38E-32	0.017	7	7.2	Q2
IPI00742682;	TPR	23.7	<1.0E-304	0.017	18	6.4	Q2
IPI00790757;	DUSP3	38.1	1.17E-147	0.017	2	1.0	Q2
IPI00012074;	HNRNPR	22.4	8.71E-165	0.017	8	18.3	Q2
IPI00031420	UGDH	62.3	<1.0E-304	0.017	17	7.4	Q2
IPI00376005;	EIF5A	60.9	<1.0E-304	0.017	18	10.8	Q2
IPI00894409;	CPNE1	21.6	2.14E-140	0.018	9	12.4	Q2
IPI00014230;	C1QBP	36.9	5.85E-216	0.018	8	5.3	Q2
IPI00247583;	RPL21	46.2	2.36E-135	0.018	9	8.1	Q2
IPI00887678;	PPIA	55.6	<1.0E-304	0.018	35	6.3	Q2

IPI00009542;	MAGED2	8.9	5.55E-08	0.018	5	13.9	Q2
IPI00008380;	PPP2CA	34	1.84E-127	0.018	5	7.9	Q2
IPI00782992;	SRRM2	5.3	4.30E-91	0.018	12	14.3	Q2
IPI00018188;	NECAP2	24.7	2.24E-62	0.018	2	3.6	Q2
IPI00658155;	MRPS34	13.3	2.52E-04	0.018	3	6.7	Q2
IPI00010706;	GSS	24.5	3.58E-23	0.018	7	10.1	Q2
IPI00043598	IKIP	26	6.84E-123	0.018	7	10.8	Q2
IPI00029054;	NT5C2	19.8	5.25E-57	0.019	3	9.0	Q2
IPI00005613;	U2AF1	25.8	2.27E-98	0.019	3	7.6	Q2
IPI00180386;	GYG1	19.7	3.32E-104	0.019	9	5.5	Q2
IPI00926648;	APEH	25.9	1.85E-260	0.019	14	8.0	Q2
IPI00006907	TIGAR	17.8	3.44E-84	0.019	3	2.9	Q2
IPI00011454;	GANAB	55.2	<1.0E-304	0.019	93	9.5	Q2
IPI00299155;	PSMA4	55.6	2.10E-100	0.019	12	6.5	Q2
IPI00396378;	HNRNPA2B1	2.5	<1.0E-304	0.019	2	1.3	Q2
IPI00003881	HNRNPF	19.5	9.12E-205	0.019	3	3.7	Q2
IPI00016513	RAB10	45.5	5.16E-58	0.019	7	5.2	Q2
IPI00019755;	GSTO1	51	2.02E-72	0.020	22	10.4	Q2
IPI00220642;	YWHAG	49	<1.0E-304	0.020	17	11.4	Q2
IPI00220219;	COPB2	47.8	<1.0E-304	0.020	26	11.0	Q2
IPI00173359;	UACA	16	2.65E-133	0.020	16	26.0	Q2
IPI00256861;	MACF1	29.4	<1.0E-304	0.021	141	13.9	Q2
IPI00784013	JAK1	5.1	2.75E-18	0.021	3	4.2	Q2
IPI00219518;	ARL1	30.9	1.20E-56	0.021	6	11.8	Q2
IPI00220301;	PRDX6	78.6	<1.0E-304	0.021	31	32.1	Q2
IPI00871856;	STIP1	55.4	<1.0E-304	0.021	25	17.5	Q2
IPI00456969;	DYNC1H1	54	<1.0E-304	0.021	332	17.3	Q2
IPI00646556;	NDUFV2	13.5	2.90E-41	0.021	2	10.2	Q2
IPI00016613;	CSNK2A1	21.7	9.44E-73	0.021	4	6.0	Q2
IPI00293655	DDX1	52.3	<1.0E-304	0.022	16	5.3	Q2
IPI00303882;	M6PRBP1	68	<1.0E-304	0.022	35	7.6	Q2
IPI00397366;	PPFIBP1	18.2	1.31E-95	0.022	16	11.0	Q2
IPI00477118;	TMEM214	27.6	7.19E-151	0.022	8	9.8	Q2

IPI00008207;	MAN1B1	12.3	1.37E-115	0.022	3	8.8	Q2
IPI00027693;	SP140L	1.4	9.50E-12	0.022	2	2.4	Q2
IPI00031670	FAM114A1	24.7	2.95E-220	0.022	7	9.8	Q2
IPI00021983;	NCSTN	14.5	5.03E-45	0.022	12	8.5	Q2
IPI00026271;	RPS14	41.7	1.21E-130	0.022	8	13.3	Q2
IPI00017184;	EHD1	54.7	5.72E-248	0.022	23	12.4	Q2
IPI00298558;	PDCD10	23.6	4.43E-18	0.022	4	5.5	Q2
IPI00334282;	FAM3C	41	4.93E-169	0.022	4	2.4	Q2
IPI00005159;	ACTR2	46.2	9.32E-187	0.022	19	5.5	Q2
IPI00179298;	HUWE1	12.5	<1.0E-304	0.022	22	11.9	Q2
IPI00021692;	MBNL1	14.4	6.61E-13	0.023	3	207.2	Q2
IPI00010204;	SFRS3	43.3	7.48E-48	0.023	4	4.3	Q2
IPI00026970;	SUPT16H	19.7	2.48E-167	0.023	17	7.4	Q2
IPI00182757;	KIAA1967	37.8	<1.0E-304	0.023	22	18.2	Q2
IPI00012007	AHCY	42.6	6.29E-191	0.023	16	12.0	Q2
IPI00220373;	IDE	14.1	1.40E-72	0.023	7	13.4	Q2
IPI00289819;	IGF2R	15.2	1.02E-217	0.023	26	9.3	Q2
IPI00604759;	FAHD1	32.7	1.21E-166	0.023	3	1.7	Q2
IPI00022228;	HDLBP	52.8	<1.0E-304	0.023	89	11.7	Q2
IPI00023330;	KIAA1468	6.5	4.00E-33	0.023	3	10.8	Q2
IPI00024175;	PSMA7	46.4	3.75E-187	0.023	12	12.8	Q2
IPI00328753;	KTN1	39.2	<1.0E-304	0.023	41	13.3	Q2
IPI00418169;	DKFZp686P03159	78.4	<1.0E-304	0.023	110	17.4	Q2
IPI00018398	PSMC3	47.2	<1.0E-304	0.023	11	5.6	Q2
IPI00647915;	TAGLN2	80.5	<1.0E-304	0.023	31	6.0	Q2
IPI00000001;	STAU1	6.2	5.61E-30	0.024	3	10.7	Q2
IPI00908913;	hCG_2043421	28.6	2.18E-35	0.024	3	7.9	Q2
IPI00783097;	GARS	57.5	<1.0E-304	0.024	32	8.5	Q2
IPI00016702;	RABGAP1	8.3	2.00E-39	0.024	3	1.3	Q2
IPI00479722;	PSME1	58.6	5.04E-243	0.024	18	9.5	Q2
IPI00744851;	HMGA1	7.6	5.46E-04	0.024	2	2.4	Q2
IPI00027834;	HNRNPL	53.1	<1.0E-304	0.024	17	9.9	Q2
IPI00871176;	NIPSNAP3A	24	6.26E-25	0.025	4	5.0	Q2

IPI00027434;	RHOC	18.7	2.33E-299	0.025	3	3.5	Q2
IPI00180675;	TUBA1A	61.6	<1.0E-304	0.025	122	32.2	Q2
IPI00793155;	RAB34	21.2	3.87E-31	0.025	3	9.4	Q2
IPI00004838;	CRK	28	1.44E-134	0.025	7	9.3	Q2
IPI00021266;	RPL23A	52.6	1.56E-55	0.025	9	5.6	Q2
IPI00418262;	ALDOC	20	<1.0E-304	0.025	9	7.8	Q2
IPI00031517;	MCM6	16.6	3.82E-79	0.025	8	13.2	Q2
IPI00024664;	USP5	38.7	<1.0E-304	0.025	28	12.9	Q2
IPI00301936;	ELAVL1	33.7	4.30E-155	0.026	8	4.8	Q2
IPI00908416;	EIF4E	23	1.47E-30	0.026	6	8.1	Q2
IPI00011916;	AIMP2	16.9	2.45E-31	0.026	3	5.2	Q2
IPI00183786;	FADS2	15.3	6.10E-19	0.026	12	64.9	Q2
IPI00394737;	OSBPL8	26.7	1.14E-205	0.026	8	9.9	Q2
IPI00456758	RPL27A	37.8	1.72E-35	0.026	5	8.1	Q2
IPI00003362;	HSPA5	55.6	<1.0E-304	0.026	70	13.4	Q2
IPI00030275;	TRAP1	18.5	6.91E-107	0.026	8	9.9	Q2
IPI00172513;	APPL2	27.9	5.06E-188	0.026	7	9.2	Q2
IPI00006211;	VAPB	29.2	1.50E-60	0.027	3	1.5	Q2
IPI00747764;	KPNA6	15.5	3.89E-138	0.027	4	9.9	Q2
IPI00856098;	RRBP1	48.2	<1.0E-304	0.027	163	23.7	Q2
IPI00221091;	RPS15A	49.2	4.53E-50	0.027	10	3.5	Q2
IPI00645078;	UBA1	47.8	<1.0E-304	0.027	74	8.4	Q2
IPI00789551;	MATR3	32.8	<1.0E-304	0.027	36	8.0	Q2
IPI00297211	SMARCA5	19.8	3.52E-53	0.027	16	20.1	Q2
IPI00018627;	NAT13	33.7	1.27E-23	0.028	3	8.5	Q2
IPI00021440;	ACTG1	79.5	<1.0E-304	0.028	255	33.5	Q2
IPI00384643;	TP53I3	24.1	9.30E-61	0.028	3	5.6	Q2
IPI00414384;	HSDL2	19.4	7.23E-111	0.028	3	3.3	Q2
IPI00007702;	HSPA2	19.1	<1.0E-304	0.028	6	12.3	Q2
IPI00010317;	RRAGB	10.7	1.71E-25	0.028	2	3.4	Q2
IPI00019988;	SGSH	23.5	1.03E-90	0.028	3	11.7	Q2
IPI00056357	C19orf10	27.2	3.02E-32	0.028	3	17.0	Q2
IPI00171903;	HNRNPM	58.9	<1.0E-304	0.028	57	9.5	Q2

IPI00396321	LRRC59	43.3	4.78E-184	0.028	16	13.9	Q2
IPI00410488;	CD276	29.4	6.27E-101	0.028	5	8.7	Q2
IPI00297579;	CBX3	33.3	1.44E-146	0.029	7	9.2	Q2
IPI00333068;	ARPC1A	14.9	5.45E-33	0.029	3	10.2	Q2
IPI00418471;	VIM	92.9	<1.0E-304	0.029	407	25.1	Q2
IPI00060181;	EFHD2	24.2	3.25E-35	0.029	5	10.8	Q2
IPI00646058;	SAFB	4.7	9.60E-76	0.029	3	2.7	Q2
IPI00298292;	PTK7	24.8	6.07E-212	0.029	13	14.2	Q2
IPI00298961;	XPO1	40.6	<1.0E-304	0.029	39	5.9	Q2
IPI00013808;	ACTN4	78.7	<1.0E-304	0.029	194	12.4	Q2
IPI00009057;	G3BP2	15.1	2.78E-73	0.029	4	4.9	Q2
IPI00411559;	SMC4	6.5	1.80E-24	0.029	4	10.4	Q2
IPI00218288;	SEC24D	15.7	8.40E-100	0.029	15	17.1	Q2
IPI00296337;	PRKDC	37.8	<1.0E-304	0.029	126	12.7	Q2
IPI00027626;	CCT6A	47.8	<1.0E-304	0.030	25	18.3	Q2
IPI00397947;	UBE2V1	17	8.67E-19	0.030	7	3.9	Q2
IPI00400922	PDCD11	3.6	2.21E-13	0.030	2	13.0	Q2
IPI00872940;	RPL30	68.7	2.59E-194	0.030	8	7.1	Q2
IPI00329692;	NMT1	22.6	3.92E-123	0.030	8	10.7	Q2
IPI00008527;	RPLP1	74.6	4.38E-102	0.030	2	0.9	Q2
IPI00028083	EIF2B2	5.1	2.76E-91	0.030	2	5.6	Q2
IPI00015361;	PFDN5	54.5	1.07E-196	0.030	2	11.3	Q2
IPI00219365;	MSN	75.6	<1.0E-304	0.030	71	15.3	Q2
IPI00639841;	PECI	7.6	9.56E-27	0.030	3	15.2	Q2
IPI00409659;	UBQLN2	8.2	1.91E-124	0.030	2	12.4	Q2
IPI00011126;	PSMC1	28.6	7.34E-181	0.031	5	12.1	Q2
IPI00296053;	FH	37.6	<1.0E-304	0.031	11	10.1	Q2
IPI00413344;	CFL2	45.8	2.57E-260	0.031	7	2.2	Q2
IPI00002535	FKBP2	47.2	6.12E-94	0.031	3	3.3	Q2
IPI00008274;	CAP1	65.9	<1.0E-304	0.031	50	13.5	Q2
IPI00293434;	SRP14	37.5	1.02E-50	0.031	7	5.6	Q2
IPI00645446;	MCTS1	46.7	9.97E-120	0.031	3	11.1	Q2
IPI00007752;	TUBB2C	15.5	<1.0E-304	0.031	14	6.7	Q2

IPI00296191;	ATP6V1H	33.1	1.51E-212	0.031	3	5.0	Q2
IPI00301609	NEK9	17.1	5.68E-74	0.031	7	17.8	Q2
IPI00337386;	PRPF40A	8.6	5.49E-68	0.031	9	9.2	Q2
IPI00013415;	RPS7	67	5.38E-129	0.031	19	193.6	Q2
IPI00409671	DDX42	16	7.44E-92	0.031	8	20.4	Q2
IPI00412224;	BRWD2	3.1	1.21E-17	0.031	2	7.5	Q2
IPI00807339;	COBLL1	2.8	5.62E-04	0.031	2	0.1	Q2
IPI00792352;	RAN	46.2	6.26E-214	0.032	21	17.7	Q2
IPI00301489;	UROD	25.1	5.28E-37	0.032	5	8.2	Q2
IPI00465028;	TPI1	74.1	<1.0E-304	0.032	35	6.9	Q2
IPI00179438;	DAB2	26.6	1.22E-117	0.032	13	9.6	Q2
IPI00163505;	RBM39	19.4	2.68E-215	0.032	5	2.8	Q2
IPI00384051;	PSME2	46.6	5.91E-175	0.033	14	7.7	Q2
IPI00911038	ACIN1	8.9	1.57E-54	0.033	2	3.0	Q2
IPI00871932;	SPTBN1	55.7	<1.0E-304	0.033	148	10.6	Q2
IPI00003933;	HAGH	5.8	7.38E-04	0.034	2	9.8	Q2
IPI00006025;	SART3	15.9	1.59E-54	0.034	7	19.4	Q2
IPI00007061;	GOLT1B	10.9	1.89E-13	0.034	4	9.9	Q2
IPI00009790;	PFKP	45.7	<1.0E-304	0.034	37	9.6	Q2
IPI00019427;	EXOC1	8.6	4.57E-27	0.034	3	18.7	Q2
IPI00290204;	SNRNP70	23.6	1.17E-35	0.034	7	13.2	Q2
IPI00894287	HDLBP	1.4	<1.0E-304	0.034	2	5.7	Q2
IPI00034159;	ATP6V0D1	21.4	7.08E-56	0.034	6	17.2	Q2
IPI00465294;	CDC5L	22.4	3.39E-98	0.034	8	12.3	Q2
IPI00913912;	ATXN10	20.3	9.32E-69	0.034	2	0.1	Q2
IPI00031397;	ACSL3	32.8	3.66E-284	0.034	12	30.0	Q2
IPI00026665;	QARS	50.7	<1.0E-304	0.035	28	28.3	Q2
IPI00140420;	SND1	60.9	<1.0E-304	0.035	80	8.5	Q2
IPI00007765;	HSPA9	52.6	<1.0E-304	0.035	28	10.9	Q2
IPI00031821;	ITM2B	7.5	8.12E-05	0.035	2	14.2	Q2
IPI00295098;	SRPRB	63.5	5.49E-201	0.035	12	4.6	Q2
IPI00000494;	RPL5	43.1	1.80E-191	0.035	14	30.9	Q2
IPI00000948;	TBL2	26.2	2.60E-103	0.035	2	2.8	Q2

IPI00011253;	RPS3	81.9	3.74E-280	0.035	40	7.7	Q2
IPI00022774;	VCP	64.4	<1.0E-304	0.035	75	11.1	Q2
IPI00297779;	CCT2	63.7	<1.0E-304	0.035	14	18.6	Q2
IPI00304171;	H2AFY	37.1	1.53E-170	0.035	7	11.3	Q2
IPI00333215;	TCEA1	15	1.25E-33	0.035	2	14.0	Q2
IPI00410162;	TCEB2	43.5	4.90E-31	0.035	8	8.6	Q2
IPI00889541;	DDX17	37.6	5.93E-301	0.036	28	14.5	Q2
IPI00024993	ECHS1	49.7	4.17E-299	0.036	6	44.0	Q2
IPI00879750;	SNRPD3	22.9	6.98E-13	0.036	4	4.4	Q2
IPI00013847;	UQCRC1	34.6	1.45E-123	0.036	8	6.2	Q2
IPI00011200;	PHGDH	39	1.79E-229	0.036	9	11.7	Q2
IPI00026781	FASN	53.5	<1.0E-304	0.036	228	12.0	Q2
IPI00023542	TMED9	32.8	1.57E-85	0.036	10	8.3	Q2
IPI00031836;	DRG1	19.9	5.00E-75	0.036	3	10.6	Q2
IPI00221226;	ANXA6	81.7	<1.0E-304	0.036	83	31.4	Q2
IPI00005969;	CAPZA1	49	2.14E-141	0.037	9	8.4	Q2
IPI00141318;	CKAP4	66.6	<1.0E-304	0.037	45	24.0	Q2
IPI00016910;	EIF3C	30.2	1.39E-241	0.037	25	10.0	Q2
IPI00419373;	HNRNPA3	34.9	2.54E-266	0.037	9	18.2	Q2
IPI00003768;	PES1	8.2	6.69E-18	0.037	2	3.3	Q2
IPI00006980;	C14orf166	53.3	1.54E-169	0.037	6	4.3	Q2
IPI00844264;	DKFZp779B0247	29.8	1.94E-196	0.037	13	11.0	Q2
IPI00902584;	VASP	29.9	1.50E-97	0.037	10	17.4	Q2
IPI00012750;	RPS25	31.2	1.14E-32	0.037	7	4.5	Q2
IPI00005737;	SURF4	18.6	2.18E-148	0.038	45	41.8	Q2
IPI00296259;	TMED4	12.3	3.63E-59	0.038	3	1.6	Q2
IPI00005719;	RAB1A	69.8	1.01E-236	0.038	25	17.6	Q2
IPI00018768;	TSN	37.7	1.78E-24	0.038	5	6.3	Q2
IPI00549248;	NPM1	49.3	<1.0E-304	0.038	25	7.6	Q2
IPI00005107;	NPC1	15.3	3.03E-152	0.038	25	42.9	Q2
IPI00045550;	PPP1R9B	4.7	1.52E-21	0.038	2	10.1	Q2
IPI00307162;	VCL	68.3	<1.0E-304	0.038	138	10.6	Q2
IPI00218993;	HSPH1	39.8	<1.0E-304	0.039	20	11.5	Q2

IPI00827508;	RPL10A	51.6	3.22E-138	0.039	16	5.4	Q2
IPI00291928;	RAB14	62.8	8.07E-186	0.039	15	6.8	Q2
IPI00479997;	STMN1	63.1	2.38E-47	0.039	10	5.8	Q2
IPI00908469	TUBB6	12.9	<1.0E-304	0.039	6	2.5	Q2
IPI00021828	CSTB	24.5	4.09E-29	0.039	3	5.3	Q2
IPI00001159;	GCN1L1	42.4	<1.0E-304	0.039	80	15.2	Q2
IPI00023832;	SH3PXD2B	11	2.03E-95	0.039	2	18.4	Q2
IPI00023860;	NAP1L1	27.4	1.48E-258	0.039	7	6.2	Q2
IPI00296526;	NAGK	51.3	2.48E-287	0.039	9	25.3	Q2
IPI00219037;	H2AFX	26.6	4.31E-121	0.040	4	24.8	Q2
IPI00748472;	KIAA0196	23.5	4.40E-182	0.040	22	18.2	Q2
IPI00021048;	MYOF	58.8	<1.0E-304	0.040	145	14.2	Q2
IPI00873899;	ABCF1	15.7	2.60E-151	0.040	7	53.5	Q2
IPI00020599	CALR	64.7	<1.0E-304	0.040	48	7.1	Q2
IPI00218342;	MTHFD1	53.6	<1.0E-304	0.040	57	9.5	Q2
IPI00014587;	CLTA	29.4	1.90E-122	0.041	8	21.1	Q2
IPI00872214;	TBCA	49.3	9.09E-34	0.041	2	4.0	Q2
IPI00020984;	CANX	41.6	<1.0E-304	0.041	40	14.2	Q2
IPI00793375;	XPNPEP1	20	8.57E-144	0.041	7	7.1	Q2
IPI00008599;	EBP	16.5	1.66E-13	0.041	4	98.8	Q2
IPI00183626;	PTBP1	54.9	<1.0E-304	0.041	21	9.0	Q2
IPI00031583;	USO1	34.8	<1.0E-304	0.041	34	10.0	Q2
IPI00294536;	STRAP	56.5	1.20E-206	0.041	5	9.8	Q2
IPI00166010;	CNOT1	8.5	2.86E-53	0.042	5	5.4	Q2
IPI00221093;	RPS17	57	5.10E-166	0.042	8	5.7	Q2
IPI00000015;	SFRS4	7.9	1.95E-07	0.042	2	28.1	Q2
IPI00296909	PARP4	19.3	7.42E-189	0.042	13	6.0	Q2
IPI00746655;	FAM62A	45.6	<1.0E-304	0.042	65	23.3	Q2
IPI00219005	FKBP4	26.8	5.92E-87	0.042	2	12.8	Q2
IPI00873622;	WDR1	56.5	<1.0E-304	0.042	19	18.7	Q2
IPI00607591;	RAP1GDS1	40	3.93E-225	0.042	5	7.5	Q2
IPI00646917;	NUDT21	48.9	9.21E-160	0.042	7	5.1	Q2
IPI00018140;	SYNCRIP	41.1	3.64E-298	0.042	23	11.3	Q2

IPI00022462;	TFRC	38.9	1.83E-276	0.042	31	16.1	Q2
IPI00026202;	RPL18A	46	6.17E-97	0.042	13	9.9	Q2
IPI00742743;	TP53BP1	8.8	1.07E-132	0.042	7	9.4	Q2
IPI00873403;	RPL24	28.9	8.02E-48	0.042	12	19.1	Q2
IPI00011603;	PSMD3	40.4	2.19E-253	0.043	15	9.2	Q2
IPI00017726;	HSD17B10	57.9	<1.0E-304	0.043	14	14.0	Q2
IPI00026089;	SF3B1	36	<1.0E-304	0.043	27	11.0	Q2
IPI00007155;	VPS28	26.2	4.27E-102	0.043	4	9.5	Q2
IPI00007334;	ACIN1	0.5	7.20E-34	0.043	2	0.3	Q2
IPI00102069;	EIF3M	31	1.16E-144	0.043	6	6.1	Q2
IPI00011274;	HNRPDL	16.7	8.34E-136	0.043	4	9.0	Q2
IPI00028946;	RTN3	15.3	6.46E-11	0.043	2	6.5	Q2
IPI00642259;	DST	13.1	<1.0E-304	0.043	82	8.6	Q2
IPI00012837;	KIF5B	53	<1.0E-304	0.043	47	7.8	Q2
IPI00220503;	DCTN2	42.6	<1.0E-304	0.043	6	10.8	Q2
IPI00295851	COPB1	43.8	<1.0E-304	0.043	28	8.3	Q2
IPI00925052;	ARPC4	41.7	7.71E-42	0.043	6	7.1	Q2
IPI00038378;	ENOPH1	9.2	2.54E-20	0.043	2	22.2	Q2
IPI00377261;	FUBP3	20.1	1.08E-69	0.043	6	17.5	Q2
IPI00219155;	RPL27	55.1	4.37E-29	0.044	9	5.1	Q2
IPI00873222;	CCT4	61.6	<1.0E-304	0.044	24	14.7	Q2
IPI00216046;	SMARCA1	6.8	1.37E-74	0.044	4	61.6	Q2
IPI00015944;	EML2	7.9	5.36E-24	0.044	2	11.2	Q2
IPI00396630;	PRKACA	26.5	3.31E-65	0.044	6	10.6	Q2
IPI00185374;	PSMD12	45.6	7.23E-166	0.045	9	9.6	Q2
IPI00640817;	AK1	50	2.51E-147	0.045	8	8.4	Q2
IPI00480142;	CUL4B	29.2	2.76E-124	0.045	17	12.9	Q2
IPI00221235;	NUP160	9.7	4.21E-101	0.045	2	10.7	Q2
IPI00640197;	TPP2	38.2	<1.0E-304	0.045	26	22.1	Q2
IPI00006379;	NOP58	23.4	2.14E-153	0.046	7	7.0	Q2
IPI00011654;	TUBB	74.3	<1.0E-304	0.046	143	23.5	Q2
IPI00550364	PGM2	13.6	2.66E-28	0.046	5	22.5	Q2
IPI00027442;	AARS	49.7	<1.0E-304	0.046	51	12.8	Q2

IPI00027497;	GPI	43.7	<1.0E-304	0.046	25	19.1	Q2
IPI00328715	MTDH	16.5	9.43E-104	0.046	3	3.9	Q2
IPI00746360;	RIC8A	24.3	1.44E-109	0.046	8	9.1	Q2
IPI00396967;	FHL2	35.7	2.75E-134	0.046	4	9.9	Q2
IPI00647286;	C9orf88	36.7	<1.0E-304	0.046	26	21.2	Q2
IPI00642971;	EEF1D	18.9	2.11E-186	0.046	18	12.8	Q2
IPI00009480;	COPS8	34.9	1.46E-117	0.047	3	5.1	Q2
IPI00014311;	CUL2	19.4	2.66E-79	0.047	5	22.5	Q2
IPI00215965;	HNRNPA1	43	<1.0E-304	0.047	23	6.7	Q2
IPI00419979;	PAK2	26.7	4.48E-82	0.047	4	4.0	Q2
IPI00744706;	SPTAN1	61.9	<1.0E-304	0.047	178	19.6	Q2
IPI00009364;	ORMDL1	21.6	1.41E-47	0.047	3	10.6	Q2
IPI00028091;	ACTR3	72.5	1.86E-300	0.047	24	14.6	Q2
IPI00013296;	RPS18	67.1	1.59E-81	0.047	14	7.1	Q2
IPI00024933;	RPL12	63.6	7.08E-204	0.047	11	8.4	Q2
IPI00655650;	RPS26	27	2.00E-33	0.047	3	4.1	Q2
IPI00297477;	SNRPA1	41.2	1.15E-81	0.048	6	12.1	Q2
IPI00790743;	RPL36AL	34.1	3.84E-12	0.048	6	14.5	Q2
IPI00002966;	HSPA4	52.7	<1.0E-304	0.048	61	25.3	Q2
IPI00432363;	MACF1	6.2	<1.0E-304	0.048	29	8.4	Q2
IPI00020672;	DPP3	40.4	<1.0E-304	0.048	12	15.0	Q2
IPI00386114;	SF1	13.3	6.89E-48	0.048	2	7.9	Q2
IPI00015953;	DDX21	12.1	4.22E-34	0.048	7	11.2	Q2
IPI00914539;	ANKFY1	18.7	8.95E-109	0.048	10	26.0	Q2
IPI00009771;	LMNB2	51.1	<1.0E-304	0.048	18	28.2	Q2
IPI00152377;	STT3B	8.6	8.12E-56	0.048	9	62.5	Q2
IPI00641107;	CAPZB	64.4	2.49E-211	0.048	18	9.2	Q2
IPI00748360	KIAA1797	6.1	1.94E-26	0.048	3	7.2	Q2
IPI00015954;	SAR1A	48	2.42E-100	0.049	11	5.3	Q2
IPI00000690;	AIFM1	22.8	1.68E-106	0.049	4	6.5	Q2
IPI00012512;	RRAS2	15.2	6.07E-120	0.049	2	6.9	Q2
IPI00719680;	AP3D1	19.7	9.99E-208	0.049	16	11.1	Q2
IPI00293073;	MFN1	5.7	2.12E-46	0.049	2	10.3	Q2

IPI00022648;	EIF5	27.8	1.83E-86	0.049	3	6.2	Q2
IPI00477313;	HNRNPC	38.2	1.89E-147	0.049	16	7.1	Q2
IPI00260715;	FUS	19.3	1.47E-215	0.049	7	12.0	Q2
IPI00012340;	SFRS9	22.6	9.15E-19	0.050	4	6.5	Q2
IPI00024067;	CLTC	69.2	<1.0E-304	0.050	273	17.2	Q2
IPI00641950;	GNB2L1	68.2	<1.0E-304	0.050	29	9.9	Q2
IPI00328318;	AGL	7.1	8.41E-92	0.050	3	16.5	Q2
IPI00184311;	ENPP1	3.9	2.44E-24	0.050	2	3.9	Q2
IPI00235412;	DNM1L	40	<1.0E-304	0.050	15	10.1	Q2
IPI00396435	DHX15	35.6	3.88E-163	0.051	14	8.8	Q2
IPI00218918;	ANXA1	77.2	<1.0E-304	0.051	57	14.7	Q2
IPI00012442;	G3BP1	32	5.67E-228	0.051	15	8.6	Q2
IPI00329482;	LAMA4	7.6	1.11E-142	0.051	7	12.2	Q2
IPI00646015;	ACOT9	9.8	3.29E-05	0.051	3	10.6	Q2
IPI00871815;	LNPEP	17.1	7.84E-111	0.052	8	16.8	Q2
IPI00005158;	LONP1	26.6	7.53E-273	0.052	12	29.3	Q2
IPI00025491;	EIF4A1	69.2	<1.0E-304	0.052	40	20.6	Q2
IPI00096066;	SUCLG2	22	2.14E-179	0.052	3	6.7	Q2
IPI00232533;	EIF1AX	34	8.97E-17	0.052	3	4.6	Q2
IPI00300371;	SF3B3	27.4	<1.0E-304	0.052	29	8.7	Q2
IPI00844214;	CTNNB1	8.9	3.16E-13	0.052	2	13.0	Q2
IPI00017763;	NAP1L4	35	1.52E-222	0.052	10	7.7	Q2
IPI00305068	PRPF6	13.8	1.13E-96	0.052	4	7.6	Q2
IPI00549389;	METTL11A	19.6	2.44E-62	0.052	3	3.3	Q2
IPI00376798;	RPL11	39.3	7.85E-75	0.053	8	7.6	Q2
IPI00410693;	SERBP1	37.7	2.82E-152	0.053	13	14.7	Q2
IPI00413108;	RPSA	56.7	<1.0E-304	0.053	31	32.6	Q2
IPI00550234;	ARPC5	58.3	2.38E-44	0.053	5	3.3	Q2
IPI00550854;	MXRA8	18.8	1.56E-77	0.053	7	7.7	Q2
IPI00219678;	EIF2S1	50.5	5.25E-106	0.053	6	15.2	Q2
IPI00012069;	NQO1	36.9	2.41E-101	0.053	11	12.4	Q2
IPI00074587;	FUSIP1	17.2	1.02E-69	0.053	5	4.3	Q2
IPI00465248;	ENO1	81.8	<1.0E-304	0.053	81	14.3	Q2

IPI00012268;	PSMD2	45.5	<1.0E-304	0.053	26	12.1	Q2
IPI00844000;	KIAA0776	34.3	9.36E-201	0.054	13	12.6	Q2
IPI00301263;	CAD	22.7	<1.0E-304	0.054	31	8.9	Q2
IPI00025273;	GART	35.5	5.33E-257	0.054	19	28.6	Q2
IPI00914566;	FDPS	16.2	1.33E-20	0.054	8	4.9	Q2
IPI00007927;	SMC2	8.4	5.55E-35	0.054	4	8.7	Q2
IPI00008711	WFS1	6.7	8.72E-10	0.054	2	6.6	Q2
IPI00001639;	KPNB1	43.7	<1.0E-304	0.055	35	9.1	Q2
IPI00061525;	GNPNAT1	29.3	3.17E-113	0.055	3	13.0	Q2
IPI00455210;	CHD4	13.1	1.46E-175	0.055	10	64.0	Q2
IPI00014577;	RAB18	50.5	4.09E-114	0.055	8	7.7	Q2
IPI00550239	H1FO	27.8	1.16E-21	0.055	4	4.4	Q2
IPI00004839	CRKL	29	4.02E-86	0.055	4	9.0	Q2
IPI00221106;	SF3B2	24.9	3.77E-97	0.055	20	6.2	Q2
IPI00872430;	RPS8	55.3	2.38E-186	0.055	18	7.3	Q2
IPI00644079;	HNRNPU	39.4	<1.0E-304	0.055	57	11.7	Q2
IPI00013070;	HNRNPUL1	21.4	1.23E-140	0.056	6	16.7	Q2
IPI00644674;	NUBP2	27.3	2.21E-23	0.056	4	1.5	Q2
IPI00102685;	MYADM	12.1	3.34E-61	0.056	9	42.0	Q2
IPI00220766	GLO1	51.1	8.26E-127	0.056	9	9.5	Q2
IPI00032342;	TRIP12	2.2	1.63E-29	0.056	4	15.7	Q2
IPI00219078;	ATP2A2	33	<1.0E-304	0.056	37	48.1	Q2
IPI00105598;	PSMD11	53.7	4.88E-158	0.056	9	7.0	Q2
IPI00186290;	EEF2	63.9	<1.0E-304	0.056	125	14.6	Q2
IPI00916757;	DCTN1	37.6	<1.0E-304	0.056	33	13.3	Q2
IPI00382470;	HSP90AA1	51.6	<1.0E-304	0.057	108	13.0	Q2
IPI00853598;	SEC13	35.1	<1.0E-304	0.057	6	5.4	Q2
IPI00910513;	GSPT1	38	4.73E-80	0.057	10	9.7	Q2
IPI00029623;	PSMA6	52.8	1.69E-167	0.057	12	4.1	Q2
IPI00291510;	IMPDH2	27.2	1.89E-253	0.057	8	4.8	Q2
IPI00298058;	SUPT5H	10.6	3.52E-94	0.057	6	14.4	Q2
IPI00304612;	RPL13A	44.3	8.73E-61	0.057	16	21.1	Q2
IPI00030968	C9orf142	14.7	4.72E-14	0.057	2	5.1	Q2

IPI00013184;	ARD1A	34.5	2.82E-68	0.057	5	7.7	Q2
IPI00023598;	TUBB4	9.7	<1.0E-304	0.057	10	85.5	Q2
IPI00419258;	HMGB1	51.6	1.16E-227	0.057	14	6.2	Q2
IPI00018522;	PRMT1	42.9	1.98E-154	0.057	7	8.0	Q2
IPI00021435;	PSMC2	58.7	9.02E-230	0.057	11	9.7	Q2
IPI00219445;	PSME3	24.7	1.46E-75	0.057	5	5.1	Q2
IPI00555744;	RPL14	37.3	2.81E-152	0.058	15	20.1	Q2
IPI00644386;	FUBP1	34.5	2.13E-254	0.058	9	62.0	Q2
IPI00004962;	GOLIM4	13.1	3.84E-53	0.058	6	5.0	Q2
IPI00329791	DDX46	16.9	1.51E-95	0.058	12	8.6	Q2
IPI00784366;	AP2B1	51.4	<1.0E-304	0.058	38	13.3	Q2
IPI00004324;	TRAPPC3	22.2	2.28E-13	0.058	4	14.8	Q2
IPI00013774;	HDAC1	17	1.97E-48	0.058	2	3.1	Q2
IPI00016249;	FXR1	16.4	1.52E-85	0.058	10	17.5	Q2
IPI00021187;	RUVBL1	35.7	3.87E-222	0.058	7	8.1	Q2
IPI00790214;	RCN2	18.8	4.01E-166	0.058	3	3.6	Q2
IPI00002557;	COPG2	18.3	6.13E-213	0.059	7	9.1	Q2
IPI00025091;	RPS11	62	4.37E-53	0.059	16	5.5	Q2
IPI00396171;	MAP4	49.7	<1.0E-304	0.059	64	9.6	Q2
IPI00397904;	NUP93	29.5	4.30E-236	0.059	9	23.2	Q2
IPI00927614;	GOLGA4	11.3	2.30E-86	0.059	14	52.0	Q2
IPI00295940;	UNC84B	20.6	1.95E-249	0.059	7	18.2	Q2
IPI00917650;	FAM38A	2.2	1.24E-34	0.059	2	24.1	Q2
IPI00027681	NNMT	45.1	2.07E-134	0.060	17	7.8	Q2
IPI00011592;	DYNC1LI2	24	3.33E-260	0.060	6	7.5	Q2
IPI00554590;	RAB3GAP2	15.5	1.07E-39	0.060	7	6.8	Q2
IPI00001960;	CLIC4	85.4	<1.0E-304	0.060	27	7.9	Q2
IPI00005160;	ARPC1B	43.8	1.04E-154	0.061	9	7.6	Q2
IPI00032561;	CAB39	19.4	1.94E-17	0.061	3	9.7	Q2
IPI00178352;	FLNC	58.5	<1.0E-304	0.061	306	14.2	Q2
IPI00010414	PDLIM1	50.8	2.08E-262	0.061	8	5.8	Q2
IPI00014310;	CUL1	23.7	4.92E-113	0.061	4	6.3	Q2
IPI00852741;	SEC31A	28.1	4.10E-275	0.061	45	12.0	Q2

IPI00168388;	SRP68	30.1	5.88E-115	0.062	6	7.2	Q2
IPI00021924	H1FX	26.3	6.68E-89	0.062	5	8.4	Q2
IPI00000877;	HYOU1	46.8	<1.0E-304	0.062	43	11.9	Q2
IPI00009342	IQGAP1	67.7	<1.0E-304	0.062	178	11.7	Q2
IPI00031691;	RPL9	59.9	2.66E-170	0.062	15	6.7	Q2
IPI00644127;	IARS	43.9	<1.0E-304	0.062	58	10.9	Q2
IPI00789101;	PTGES3	37.6	6.24E-69	0.063	5	5.3	Q2
IPI00218729;	DLG1	4.6	2.48E-13	0.063	2	8.9	Q2
IPI00013290;	HDGFRP2	7.5	1.44E-55	0.063	3	18.5	Q2
IPI00399089	MESDC2	36.3	1.25E-30	0.063	4	11.3	Q2
IPI00641743;	HCFC1	4.3	1.01E-22	0.063	5	15.9	Q2
IPI00019380;	NCBP1	6.6	7.88E-21	0.063	2	2.1	Q2
IPI00760715;	CAST	44.8	<1.0E-304	0.063	23	10.7	Q2
IPI00384689;	PDXDC1	16.9	5.21E-187	0.063	7	15.9	Q2
IPI00413578;	TPRG1L	7	3.88E-04	0.064	2	4.4	Q2
IPI00925713;	RPL10	48.3	3.71E-127	0.064	18	7.1	Q2
IPI00021263;	YWHAZ	69.8	<1.0E-304	0.064	39	7.0	Q2
IPI00000875;	EEF1G	43.7	6.97E-168	0.064	26	65.9	Q2
IPI00008964;	RAB1B	31.3	6.94E-218	0.064	6	4.4	Q2
IPI00883896	LIMA1	37.6	<1.0E-304	0.064	26	9.4	Q2
IPI00218019;	BSG	22.9	4.78E-101	0.064	7	13.6	Q2
IPI00165949;	ERAP1	18.6	2.92E-112	0.065	11	7.6	Q2
IPI00307547	C9orf46	12.9	2.09E-05	0.065	2	2.8	Q2
IPI00010896;	CLIC1	68.5	2.86E-304	0.065	21	5.4	Q2
IPI00014808	PAFAH1B3	7.8	4.46E-05	0.066	2	3.6	Q2
IPI00178431;	RECQL	18.6	4.80E-80	0.066	7	20.2	Q2
IPI00013917;	RPS12	70.5	6.61E-197	0.066	10	3.9	Q2
IPI00022597	UBE2M	35.5	5.42E-80	0.066	4	5.0	Q2
IPI00294495	UFC1	19.8	1.89E-04	0.066	3	0.1	Q2
IPI00005715;	UBE4B	3.1	1.34E-03	0.067	2	19.2	Q2
IPI00243221;	NRD1	15.3	4.66E-117	0.067	12	10.0	Q2
IPI00383046	CMBL	19.6	1.51E-09	0.067	3	12.7	Q2
IPI00025019;	PSMB1	51.5	2.22E-234	0.067	18	9.1	Q2

IPI00465132;	COPE	52.9	<1.0E-304	0.067	10	11.4	Q2
IPI00553067;	CCDC132	5.9	4.15E-69	0.068	2	6.3	Q2
IPI00873982;	MYH11	0.7	<1.0E-304	0.068	2	8.6	Q2
IPI00926977;	PSMC6	49.1	2.32E-262	0.068	9	52.0	Q2
IPI00550451;	PPP1CA	51.2	<1.0E-304	0.068	11	27.0	Q2
IPI00185146	IPO9	26.5	<1.0E-304	0.069	16	10.2	Q2
IPI00003918;	RPL4	46.6	1.77E-299	0.069	22	5.8	Q2
IPI00219861;	ACP1	27.2	9.01E-34	0.069	4	6.7	Q2
IPI00307200	SWAP70	29.2	3.14E-61	0.069	9	7.1	Q2
IPI00239077;	HINT1	58.7	5.38E-71	0.069	5	6.9	Q2
IPI00216691;	PFN1	91.4	<1.0E-304	0.069	35	24.0	Q2
IPI00221092;	RPS16	69.2	1.88E-46	0.069	14	30.0	Q2
IPI00760846;	MYO18A	4.6	2.28E-26	0.069	3	3.3	Q2
IPI00014238;	KARS	37	3.49E-167	0.069	10	5.5	Q2
IPI00647650;	EIF3H	29.8	1.80E-48	0.069	6	9.6	Q2
IPI00293533	NUP62	15.3	3.27E-140	0.069	3	7.6	Q2
IPI00783982;	COPG	52.7	<1.0E-304	0.069	30	11.0	Q2
IPI00009274	COPZ2	18.6	2.23E-96	0.070	2	11.7	Q2
IPI00013297;	PDAP1	37.6	3.83E-129	0.070	5	8.5	Q2
IPI00298851	CD151	9.1	6.18E-03	0.070	8	4.5	Q2
IPI00028006;	PSMB2	55.7	5.14E-142	0.070	6	7.5	Q2
IPI00219018;	GAPDH	84.8	<1.0E-304	0.070	120	19.9	Q2
IPI00007074	YARS	50.9	2.43E-171	0.070	14	12.5	Q2
IPI00154603	FGF2	6.2	1.16E-03	0.070	2	3.4	Q2
IPI00295457;	MPRIP	36.4	1.30E-257	0.071	13	11.8	Q2
IPI00010845;	NDUFS8	14.8	2.98E-09	0.071	4	7.0	Q2
IPI00012490;	ATP2B4	36.5	<1.0E-304	0.071	49	38.8	Q2
IPI00163230;	COPS6	21.1	4.80E-25	0.071	4	1.7	Q2
IPI00307259;	DNAJC13	26.4	<1.0E-304	0.071	26	9.2	Q2
IPI00413324;	RPL17	37.5	1.06E-26	0.071	9	8.4	Q2
IPI00219616;	PRPS1	28.9	6.85E-53	0.071	4	8.0	Q2
IPI00374657;	VAPA	38.1	7.59E-103	0.071	10	6.9	Q2
IPI00005401	GALNT5	3.9	6.08E-15	0.071	2	6.9	Q2

IPI00295400;	WARS	60.5	<1.0E-304	0.071	9	6.0	Q2
IPI00013004;	PDXK	42	1.48E-267	0.071	9	17.7	Q2
IPI00429191	ETF1	28.4	5.03E-93	0.071	6	10.7	Q2
IPI00034049;	UPF1	37.7	5.12E-257	0.072	29	7.2	Q2
IPI00008433;	RPS5	51	1.47E-269	0.072	15	7.6	Q2
IPI00013485;	RPS2	46.1	2.94E-114	0.072	25	9.4	Q2
IPI00013683;	TUBB3	27.6	<1.0E-304	0.072	11	11.2	Q2
IPI00293946;	UBXN4	9.1	2.25E-83	0.072	2	4.9	Q2
IPI00219622;	PSMA2	56.8	1.49E-274	0.072	11	6.1	Q2
IPI00290452;	TMBIM1	4.5	2.02E-36	0.072	3	12.3	Q2
IPI00291922	PSMA5	52.7	3.67E-204	0.072	10	10.4	Q2
IPI00337397;	NUP98	8.7	4.80E-78	0.072	4	13.7	Q2
IPI00794956;	SCFD1	30.8	<1.0E-304	0.073	10	6.2	Q2
IPI00011876;	MTAP	41	1.86E-187	0.073	6	8.2	Q2
IPI00297982;	EIF2S3	41.3	1.31E-272	0.073	5	4.7	Q2
IPI00414676;	HSP90AB1	34.1	<1.0E-304	0.073	75	5.6	Q2
IPI00000728;	USP15	10.2	7.70E-25	0.073	4	16.0	Q2
IPI00015077;	EIF1	29.2	2.38E-77	0.073	2	5.5	Q2
IPI00031519;	DNMT1	4.1	3.56E-46	0.073	3	4.6	Q2
IPI00004860;	RARS	40.6	2.07E-300	0.074	18	16.4	Q2
IPI00216457;	HIST2H2AA3	57.7	5.23E-164	0.074	17	28.7	Q2
IPI00013862;	DTYMK	36.8	1.33E-44	0.074	6	5.4	Q2
IPI00017292;	CTNNB1	36.9	<1.0E-304	0.074	16	9.2	Q2
IPI00300127;	NAT10	10	8.78E-38	0.074	4	4.9	Q2
IPI00018783;	ITPA	22.2	1.49E-48	0.074	3	5.4	Q2
IPI00798102;	VPS29	33.6	3.43E-38	0.074	7	8.0	Q2
IPI00015195;	CSTF3	11.3	9.45E-150	0.074	2	8.5	Q2
IPI00290566;	CCT1	68.2	<1.0E-304	0.074	22	8.5	Q2
IPI00021700	PCNA	58.6	5.39E-192	0.075	14	9.2	Q2
IPI00908949;	TARS	49.6	<1.0E-304	0.075	25	11.0	Q2
IPI00640703;	XPO5	2.8	1.28E-10	0.075	2	18.2	Q2
IPI00027230;	HSP90B1	65.5	<1.0E-304	0.075	132	11.7	Q2
IPI00658152;	TNS3	13.6	6.47E-273	0.075	9	15.0	Q2

IPI00021954	GBF1	11.2	6.24E-142	0.075	13	15.4	Q2
IPI00030706	AHSA1	26.6	2.31E-87	0.075	3	2.0	Q2
IPI00219953;	CMPK1	46.1	4.87E-273	0.075	12	5.9	Q2
IPI00329662;	FAM114A2	11.9	5.07E-15	0.075	3	16.4	Q2
IPI00337495;	PLOD2	25.5	2.82E-116	0.075	6	13.9	Q2
IPI00449049;	PARP1	27.1	3.42E-161	0.075	13	7.1	Q2
IPI00007935;	PDLIM5	37.8	5.02E-112	0.075	16	5.8	Q2
IPI00292953;	RAI14	36.1	4.56E-225	0.076	31	9.4	Q2
IPI00221012;	USP9X	13.2	7.90E-145	0.076	13	11.8	Q2
IPI00007694;	PPME1	17.4	4.21E-24	0.076	3	7.7	Q2
IPI00029048;	TTLL12	20.2	1.48E-112	0.076	2	17.6	Q2
IPI00178440;	EEF1B2	32.9	1.23E-146	0.076	6	5.5	Q2
IPI00009235	SSR3	7.1	1.31E-18	0.076	3	80.9	Q2
IPI00291467;	SLC25A6	64.1	7.31E-173	0.076	41	50.8	Q2
IPI00305212;	COMMD9	22.7	1.44E-58	0.077	3	31.2	Q2
IPI00003377;	SFRS7	19.3	1.10E-52	0.077	3	5.7	Q2
IPI00015102;	ALCAM	25.2	9.58E-171	0.077	7	10.6	Q2
IPI00008438;	RPS10	46.7	1.68E-146	0.077	10	6.1	Q2
IPI00017592;	LETM1	22.1	8.37E-122	0.077	2	24.7	Q2
IPI00296830;	LUZP1	7.9	1.36E-51	0.078	3	3.7	Q2
IPI00018465;	CCT7	65.6	<1.0E-304	0.078	18	4.9	Q2
IPI00009659;	RPRD1B	13.8	6.84E-19	0.078	2	0.1	Q2
IPI00646493;	COPA	57.1	<1.0E-304	0.078	90	15.4	Q2
IPI00003327	ARL3	37.9	1.01E-67	0.078	5	23.5	Q2
IPI00185919;	LARP1	18.9	1.11E-98	0.078	10	9.7	Q2
IPI00290462	CBR3	32.9	8.12E-162	0.078	6	8.7	Q2
IPI00477495;	H2BFS	58.7	6.89E-74	0.078	35	23.8	Q2
IPI00014439;	QDPR	34.8	7.79E-82	0.078	5	2.7	Q2
IPI00910170;	RAB3A	14	7.00E-76	0.078	3	2.8	Q2
IPI00018349;	MCM4	19	4.11E-99	0.079	8	68.9	Q2
IPI00419880;	RPS3A	61.7	3.44E-191	0.079	35	32.8	Q2
IPI00647400	RNPEP	5.1	7.96E-224	0.079	3	4.7	Q2
IPI00008728	CLPX	5.8	4.28E-28	0.079	2	8.4	Q2

IPI00221300;	EIF2B1	22	3.71E-53	0.079	3	20.8	Q2
IPI00513761;	RP3	24.6	7.27E-144	0.079	3	7.4	Q2
IPI00553185;	CCT3	58.3	<1.0E-304	0.080	29	13.4	Q2
IPI00305010;	CPPED1	24.5	1.55E-73	0.080	4	0.8	Q2
IPI00293026;	EFTUD1	9.2	2.41E-50	0.080	5	14.4	Q2
IPI00794402;	ARHGDI A	47.8	5.69E-293	0.080	15	8.9	Q2
IPI00104050;	THRAP3	24.3	6.18E-105	0.080	17	12.2	Q2
IPI00008529;	RPLP2	77.4	<1.0E-304	0.080	4	4.9	Q2
IPI00643591;	AP1G1	34.7	1.81E-149	0.081	7	9.2	Q2
IPI00008494;	ICAM1	18.8	3.11E-82	0.081	7	5.6	Q2
IPI00023919;	PSMC5	47.5	5.17E-229	0.081	8	5.8	Q2
IPI00031410;	FRAP1	4.6	5.57E-40	0.081	4	10.8	Q2
IPI00218914;	ALDH1A1	68.5	<1.0E-304	0.081	49	6.5	Q2
IPI00867509;	CORO1C	46.5	4.58E-280	0.082	24	13.3	Q2
IPI00003802	MAN2A1	8.6	3.63E-57	0.082	6	129.2	Q2
IPI00013183;	UBA7	10.1	2.08E-64	0.082	3	1.4	Q2
IPI00382412;	BCAT1	12.8	4.21E-28	0.082	3	18.1	Q2
IPI00019927	PSMD7	26.2	1.42E-156	0.082	3	4.0	Q2
IPI00216247;	PSMD4	16.8	1.12E-61	0.082	3	5.3	Q2
IPI00794613;	TBC1D15	11.6	1.61E-54	0.082	3	8.9	Q2
IPI00010800	NES	34.9	<1.0E-304	0.082	53	15.0	Q2
IPI00604620;	NCL	38.7	<1.0E-304	0.082	43	23.8	Q2
IPI00008234;	CYB5R2	33	1.94E-17	0.082	7	18.2	Q2
IPI00007321;	LYPLA1	12.5	7.53E-21	0.083	3	8.9	Q2
IPI00784808;	SEPT9	54.2	<1.0E-304	0.083	13	11.0	Q2
IPI00219097	HMGB2	23.4	1.49E-63	0.083	4	5.5	Q2
IPI00419194;	IAH1	14.1	3.05E-04	0.083	2	5.8	Q2
IPI00027270;	RPL26	41.4	8.82E-16	0.083	11	7.2	Q2
IPI00003865;	HSPA8	57	<1.0E-304	0.084	83	11.2	Q2
IPI00029468;	ACTR1A	48.1	<1.0E-304	0.084	10	15.3	Q2
IPI00026833	ADSS	17.8	4.54E-91	0.084	5	16.8	Q2
IPI00007402	IPO7	25.7	<1.0E-304	0.084	18	4.8	Q2
IPI00030328	SRR	13.8	3.11E-63	0.085	2	3.6	Q2

IPI00398798	H2AFV	57.8	1.42E-25	0.085	3	6.0	Q2
IPI00029737;	ACSL4	15.8	4.07E-170	0.085	5	5.0	Q2
IPI00012772;	RPL8	26.8	8.13E-50	0.086	5	5.4	Q2
IPI00657888;	GMPPA	18.4	2.35E-148	0.086	4	7.9	Q2
IPI00010080;	OXSRI	20.7	2.40E-189	0.086	4	9.0	Q2
IPI00289499;	ATIC	70.1	<1.0E-304	0.086	20	4.4	Q2
IPI00305064;	CD44	11.7	1.37E-95	0.086	16	9.3	Q2
IPI00009943;	TPT1	76.6	1.99E-117	0.087	12	7.0	Q2
IPI00746351;	DIS3	9.6	2.17E-50	0.087	5	6.2	Q2
IPI00419273;	CUL4A	8.8	1.07E-69	0.087	2	2.4	Q2
IPI00783271;	LRPPRC	55.6	<1.0E-304	0.087	62	11.7	Q2
IPI00796333;	ALDOA	71.3	<1.0E-304	0.088	38	15.3	Q2
IPI00376317;	EDC4	8.3	1.26E-50	0.088	3	67.9	Q2
IPI00021417;	SART1	12.1	1.90E-96	0.088	2	9.8	Q2
IPI00375144;	SRRT	26	1.57E-64	0.088	18	16.6	Q2
IPI00154975;	DNAJC9	26.9	1.32E-11	0.089	4	15.5	Q2
IPI00107357;	CLPTM1	7.4	2.46E-29	0.089	5	42.4	Q2
IPI00010720;	CCT5	64.1	<1.0E-304	0.089	22	7.8	Q2
IPI00218487;	GJA1	10.2	8.69E-14	0.089	2	4.5	Q2
IPI00003588;	EEF1E1	28.7	3.48E-32	0.089	3	9.5	Q2
IPI00642904;	PABPC4	16.1	<1.0E-304	0.089	5	4.2	Q2
IPI00785113;	LRRFIP1	10.3	1.43E-68	0.089	6	13.3	Q2
IPI00479786;	KHSRP	40.8	5.71E-206	0.089	26	15.4	Q2
IPI00872664;	USP14	26.5	4.82E-150	0.089	6	3.9	Q2
IPI00923582;	SCRN1	24.9	4.05E-120	0.089	5	3.3	Q2
IPI00004669;	GALNT2	22.8	2.24E-136	0.089	5	9.7	Q2
IPI00607554;	USP47	6.1	1.00E-27	0.090	2	10.4	Q2
IPI00008418;	DIABLO	9.8	2.09E-15	0.090	3	14.6	Q2
IPI00006079;	BCLAF1	11.4	7.21E-21	0.090	10	8.9	Q2
IPI00000051	PFDN1	23	2.80E-14	0.091	4	6.3	Q2
IPI00299573;	RPL7A	47.4	1.46E-169	0.091	22	7.1	Q2
IPI00890837;	SMCHD1	4.6	1.21E-24	0.091	2	4.1	Q2
IPI00000816;	YWHAE	75.7	<1.0E-304	0.091	38	12.2	Q2

IPI00028004;	PSMB3	36.6	3.26E-153	0.091	8	6.4	Q2
IPI00414554	ARPC5L	28.8	4.68E-52	0.091	2	4.7	Q2
IPI00295487;	KIF13A	2	4.33E-05	0.091	2	5.5	Q2
IPI00909064;	COASY	10.8	4.91E-26	0.092	2	13.1	Q2
IPI00218465;	PLAA	20.1	2.15E-152	0.092	4	5.5	Q2
IPI00218493;	HPRT1	57.8	1.31E-170	0.092	8	6.8	Q2
IPI00008575;	KHDRBS1	18.5	5.43E-54	0.092	8	20.8	Q2
IPI00409635;	FAM62B	16.3	3.42E-174	0.092	6	4.0	Q2
IPI00013877;	HNRNPH3	19.7	5.24E-129	0.092	7	8.3	Q2
IPI00604590;	NME1-NME2	70.9	3.41E-205	0.092	28	17.6	Q2
IPI00306290;	XPOT	24.3	2.73E-251	0.092	5	6.9	Q2
IPI00398708;	KLC1	35.4	2.25E-113	0.092	11	7.4	Q2
IPI00927531;	AP1S1	22.5	1.35E-36	0.092	3	4.3	Q2
IPI00007797;	FABP5	33.3	2.34E-10	0.093	2	2.2	Q2
IPI00017704	COTL1	59.9	1.51E-75	0.093	10	9.8	Q2
IPI00171611;	HIST2H3A	57.4	9.32E-171	0.093	11	40.1	Q2
IPI00847342;	KRT7	52.7	2.03E-236	0.093	24	11.5	Q2
IPI00014151;	PSMD6	43.2	8.64E-86	0.093	14	17.2	Q2
IPI00027415;	DHX36	5.4	5.11E-57	0.094	2	17.4	Q2
IPI00031768	HOOK3	14.6	2.18E-166	0.094	4	22.6	Q2
IPI00793443	IPO5	41.7	<1.0E-304	0.094	56	8.5	Q2
IPI00414320;	ANXA11	27.4	1.52E-201	0.094	17	19.6	Q2
IPI00872292;	RABL4	12.9	3.84E-18	0.094	2	6.6	Q2
IPI00396387;	GNL1	15.5	3.36E-96	0.094	2	8.8	Q2
IPI00871827;	RPL7	52.2	4.20E-175	0.095	27	4.8	Q2
IPI00220834;	XRCC5	58.7	<1.0E-304	0.095	37	18.0	Q2
IPI00019169;	SH3GL1	31	3.27E-172	0.095	6	12.4	Q2
IPI00914529;	RPL28	28.4	2.56E-20	0.095	6	5.5	Q2
IPI00871890;	PICALM	33.9	<1.0E-304	0.095	7	9.6	Q2
IPI00418313;	ILF3	36.2	<1.0E-304	0.096	37	14.0	Q2
IPI00013068;	EIF3E	47.2	2.47E-284	0.096	7	10.3	Q2
IPI00017567;	ENG	14.4	1.25E-82	0.096	12	19.7	Q2
IPI00003965;	USP7	8.6	4.18E-20	0.096	5	5.0	Q2

IPI00008524;	PABPC1	37.9	<1.0E-304	0.096	20	5.5	Q2
IPI00217030;	RPS4X	68.4	6.66E-219	0.096	25	8.8	Q2
IPI00719752;	EIF3B	39.2	3.59E-299	0.096	25	6.6	Q2
IPI00872754;	STK24	21.7	7.11E-123	0.096	2	0.0	Q2
IPI00003949;	UBE2N	52.6	6.92E-116	0.096	15	13.0	Q2
IPI00017367;	RDX	29.3	1.59E-292	0.096	9	15.8	Q2
IPI00006725;	DDX23	15	7.55E-39	0.097	3	29.3	Q2
IPI00911039	HSPA1A	1.5	<1.0E-304	0.097	3	12.2	Q2
IPI00216219;	TJP1	13.6	9.79E-84	0.097	14	11.1	Q2
IPI00220014;	IDI1	13.7	3.48E-33	0.098	2	9.0	Q2
IPI00301419;	COPS7A	25.1	5.20E-65	0.098	4	7.5	Q2
IPI00029557;	GRPEL1	14.3	2.21E-25	0.099	3	4.0	Q2
IPI00172591	MRPL17	9.1	8.85E-03	0.099	2	1.5	Q2
IPI00299000;	PA2G4	34	1.17E-98	0.099	8	22.3	Q2
IPI00103525;	PSPC1	17.8	2.43E-52	0.099	5	7.9	Q2
IPI00465308;	PIGS	10.6	3.39E-183	0.099	2	9.8	Q2
IPI00014938;	SARNP	32.4	5.29E-89	0.099	3	2.6	Q2
IPI00646689;	TXNDC17	15.4	2.01E-03	0.099	2	2.2	Q2
IPI00827535;	PTMA	35.1	7.25E-158	0.099	3	5.4	Q2
IPI00307155;	ROCK2	19.4	1.87E-198	0.099	15	9.0	Q2
IPI00171844	COPS4	27.3	4.54E-125	0.100	4	10.9	Q2
IPI00221089	RPS13	44.4	2.85E-113	0.100	8	6.1	Q2
IPI00020042;	PSMC4	52.4	1.10E-277	0.100	10	7.3	Q2
IPI00465233;	EIF3EIP	41.8	<1.0E-304	0.100	15	8.5	Q2
IPI00218343;	TUBA1C	12.2	<1.0E-304	0.100	10	6.0	Q2
IPI00005578	EHD4	23.3	2.74E-187	0.101	6	8.5	Q2
IPI00301618;	SDCCAG1	8.5	4.31E-19	0.101	5	12.4	Q2
IPI00059279;	EXOC4	15.8	2.74E-83	0.102	3	9.3	Q2
IPI00550746;	NUDC	31.1	3.45E-65	0.102	3	12.0	Q2
IPI00218475;	IFI35	19.1	4.37E-17	0.102	2	9.6	Q2
IPI00017596;	MAPRE1	44.4	1.29E-210	0.103	11	14.0	Q2
IPI00300562	RAB3B	38.4	1.90E-120	0.103	9	14.8	Q2
IPI00550021;	RPL3	39.7	5.60E-144	0.103	29	29.4	Q2

IPI00472160;	ARHGEF2	16.9	1.52E-87	0.103	10	16.3	Q2
IPI00012578	KPNA4	15.4	4.87E-148	0.103	4	16.9	Q2
IPI00184363;	GLTP	17.7	1.49E-60	0.103	3	6.3	Q2
IPI00291419	ACAT2	38	6.30E-189	0.103	8	5.4	Q2
IPI00027808;	POLR2B	10.5	1.50E-24	0.104	7	6.2	Q2
IPI00221035;	BTF3	59.2	3.70E-114	0.104	9	6.8	Q2
IPI00021290;	ACLY	53.6	<1.0E-304	0.104	88	12.0	Q2
IPI00011619	PAPSS1	8.7	2.19E-74	0.104	4	9.4	Q2
IPI00843975;	EZR	43.2	<1.0E-304	0.104	21	8.8	Q2
IPI00003870	CLPP	15.2	1.12E-17	0.105	2	2.7	Q2
IPI00019642;	CLIP2	6	2.24E-44	0.105	3	7.3	Q2
IPI00004968	PRPF19	24.4	5.10E-70	0.105	3	0.3	Q2
IPI00792422;	FAM21A	18.5	<1.0E-304	0.105	9	7.1	Q2
IPI00921422;	CKAP5	19.4	1.60E-233	0.105	24	19.7	Q2
IPI00217952;	GFPT1	51.4	<1.0E-304	0.105	17	6.3	Q2
IPI00029012	EIF3A	49.6	<1.0E-304	0.105	74	10.7	Q2
IPI00396485;	EEF1A1	61.5	<1.0E-304	0.105	108	26.8	Q2
IPI00299608;	PSMD1	32.2	3.94E-298	0.106	30	15.2	Q2
IPI00009322;	NEDD4	7.6	3.01E-18	0.106	3	16.5	Q2
IPI00294879;	RANGAP1	41.1	6.46E-243	0.106	14	10.4	Q2
IPI00910962;	ELOVL5	4	4.13E-37	0.107	2	5.2	Q2
IPI00024971;	OSBP	17.6	5.32E-80	0.107	2	7.2	Q2
IPI00157757;	MICAL1	18.5	1.51E-126	0.108	11	12.4	Q2
IPI00220644;	PKM2	5.8	<1.0E-304	0.108	3	4.3	Q2
IPI00419249;	PSMA3	47.5	3.25E-103	0.108	13	8.0	Q2
IPI00856049	RPL22L1	39.3	2.50E-28	0.108	3	5.7	Q2
IPI00291930;	CLINT1	9.3	4.39E-17	0.109	2	6.5	Q2
IPI00017451;	SF3A1	29.9	2.09E-173	0.109	12	14.8	Q2
IPI00479262;	EIF4G1	27.5	<1.0E-304	0.109	51	11.3	Q2
IPI00384265;	FAM120A	27	2.92E-192	0.110	11	14.0	Q2
IPI00855940;	XPO7	14.1	9.78E-140	0.110	5	7.1	Q2
IPI00658097;	HMGN1	25	2.18E-57	0.110	2	4.1	Q2
IPI00784090;	CCT8	54.9	<1.0E-304	0.110	33	31.8	Q2

IPI00008485;	ACO1	45.1	<1.0E-304	0.110	32	8.0	Q2
IPI00219029;	GOT1	41.9	5.52E-241	0.110	12	9.0	Q2
IPI00030654;	CPSF6	14.3	4.36E-134	0.111	3	11.8	Q2
IPI00438286;	ERBB2IP	8	6.70E-45	0.111	2	14.7	Q2
IPI00872194;	COLEC12	10.2	8.64E-24	0.111	7	12.9	Q2
IPI00641788;	SNRPC	11.7	4.62E-28	0.111	2	5.1	Q2
IPI00644297;	SKI2W	15.4	1.34E-78	0.112	6	8.1	Q2
IPI00219604;	MAP2K1	6.6	5.56E-28	0.112	2	17.4	Q2
IPI00020719	MAVS	6.9	1.21E-19	0.113	3	7.3	Q2
IPI00022744;	CSE1L	45.6	<1.0E-304	0.113	30	15.0	Q2
IPI00329573;	COL12A1	34.7	<1.0E-304	0.113	90	16.6	Q2
IPI00872773;	ERO1L	23.3	1.49E-91	0.113	4	3.5	Q2
IPI00014232;	ARL6IP1	6.9	4.10E-02	0.114	2	6.1	Q2
IPI00328905	IQGAP3	3.2	3.35E-85	0.114	2	11.3	Q2
IPI00305267;	GOLGA3	27.4	<1.0E-304	0.114	15	10.1	Q2
IPI00329512;	SNRPB	20.8	3.14E-62	0.114	7	11.2	Q2
IPI00549664;	TEX10	10.7	4.48E-97	0.114	3	13.7	Q2
IPI00296099;	THBS1	40.8	<1.0E-304	0.115	157	16.1	Q2
IPI00031820;	FARSA	22.6	1.86E-104	0.115	4	6.0	Q2
IPI00719725;	SAPS3	3.8	6.29E-04	0.116	2	8.2	Q2
IPI00395939;	PITPNB	37.4	8.61E-77	0.117	2	11.7	Q2
IPI00008552	GLRX3	40.6	1.12E-116	0.117	7	10.0	Q2
IPI00410287;	PRKAA1	10.8	1.88E-73	0.117	2	16.2	Q2
IPI00738765;	KIAA1949	23.8	6.87E-33	0.118	10	9.1	Q2
IPI00001676;	NPLOC4	22.9	2.86E-229	0.118	6	11.5	Q2
IPI00299254	EIF5B	19.6	2.11E-226	0.118	14	11.2	Q2
IPI00604464;	UBE3C	6.6	1.02E-21	0.118	2	6.6	Q2
IPI00218606;	RPS23	29.4	4.28E-22	0.119	4	18.7	Q2
IPI00783902;	HEATR5A	2.2	1.52E-38	0.119	3	4.7	Q2
IPI00644708;	TIAL1	17.1	6.63E-52	0.119	3	0.9	Q2
IPI00001757;	RBM8A	26.4	6.45E-134	0.120	2	5.0	Q2
IPI00289082;	PTPN12	8.3	1.76E-61	0.121	3	36.8	Q2
IPI00915363;	RPS24	16.3	3.78E-76	0.121	8	5.5	Q2

IPI00411730;	PPP4R1	6.3	6.49E-32	0.121	4	9.8	Q2
IPI00921428;	IMPA1	16.7	8.47E-38	0.121	4	11.1	Q2
IPI00884896;	TXNRD1	49.3	<1.0E-304	0.122	11	7.7	Q2
IPI00329685;	ARSA	12	2.11E-97	0.122	2	49.5	Q2
IPI00026625;	NUP155	9.5	5.81E-38	0.122	4	16.4	Q2
IPI00033600;	PPP1R7	35.6	1.02E-161	0.123	7	21.4	Q2
IPI00914871;	SERPINE2	16.1	1.92E-98	0.123	9	4.8	Q2
IPI00015973;	EPB41L2	20.2	4.33E-153	0.124	4	7.6	Q2
IPI00646779	TUBB6	24.6	<1.0E-304	0.124	11	2.2	Q2
IPI00019918;	DDX19A	19.7	3.66E-37	0.124	3	11.3	Q2
IPI00477040;	NUP188	5.5	2.16E-17	0.124	2	0.3	Q2
IPI00012795;	EIF3I	27.4	6.18E-42	0.125	5	7.8	Q2
IPI00334587;	HNRNPAB	25	1.74E-146	0.125	6	8.8	Q2
IPI00002857;	MAPK14	16.4	1.57E-25	0.125	2	3.9	Q2
IPI00413100;	PHLDB1	6	1.90E-51	0.126	2	12.1	Q2
IPI00412243	KIAA1609	18.4	1.24E-44	0.127	2	3.3	Q2
IPI00012079;	EIF4B	27.4	1.47E-129	0.127	9	9.2	Q2
IPI00032038;	CPT1A	21.9	2.64E-119	0.128	2	5.6	Q2
IPI00744319;	PRRC1	6.7	5.11E-35	0.128	2	5.2	Q2
IPI00442073;	CSRP1	46.6	2.38E-127	0.128	11	7.2	Q2
IPI00853369;	PLXNB2	7.1	2.38E-84	0.128	3	3.2	Q2
IPI00007722;	AMPD2	13	1.94E-23	0.129	4	10.7	Q2
IPI00009111	TPBG	18.6	7.75E-105	0.129	6	9.5	Q2
IPI00002478;	ECE1	20.3	1.06E-110	0.130	10	4.4	Q2
IPI00411937;	NOP56	27.1	4.44E-226	0.131	10	7.3	Q2
IPI00024661;	SEC24C	19.3	3.26E-100	0.132	16	14.2	Q2
IPI00003783;	MAP2K2	17.5	3.54E-19	0.132	2	2.0	Q2
IPI00328257;	AP1B1	25.5	<1.0E-304	0.132	7	6.5	Q2
IPI00395748;	ACOT7	22.7	3.40E-115	0.132	6	5.1	Q2
IPI00924788;	AADA1	17.4	1.78E-57	0.133	2	6.1	Q2
IPI00030371;	TRIM4	2.2	2.43E-01	0.133	9	9.4	Q2
IPI00029267;	SNRPB2	20.4	1.69E-14	0.134	5	19.2	Q2
IPI00306369	NSUN2	13.7	3.34E-130	0.134	3	14.4	Q2

IPI00220152;	BCCIP	14.6	2.42E-22	0.134	2	10.5	Q2
IPI00783872;	CAPRIN1	17.8	2.01E-150	0.135	10	10.3	Q2
IPI00647635;	GIGYF2	9.8	6.63E-56	0.135	6	1.4	Q2
IPI00220194;	SLC2A1	4.9	4.61E-18	0.136	8	51.8	Q2
IPI00395627;	CACYBP	57	3.59E-56	0.136	9	5.8	Q2
IPI00027180	ZMPSTE24	6.7	1.54E-68	0.137	3	107.5	Q2
IPI00300074;	FARSB	31.7	8.91E-111	0.137	9	18.4	Q2
IPI00009456;	NT5E	47.7	<1.0E-304	0.137	14	40.9	Q2
IPI00013174;	RBM14	13.6	1.76E-38	0.138	4	13.7	Q2
IPI00221088;	RPS9	66	3.65E-38	0.138	24	42.5	Q2
IPI00024821;	PSMD14	44.8	1.60E-71	0.138	4	4.9	Q2
IPI00033130;	SAE1	29.8	4.42E-104	0.138	3	5.8	Q2
IPI00021985;	TM9SF4	10	5.74E-21	0.139	6	83.0	Q2
IPI00001466;	EML4	12.7	2.49E-56	0.140	8	6.8	Q2
IPI00009505;	SNTB2	10.6	4.88E-28	0.140	3	15.4	Q2
IPI00014219;	SNX17	11.7	1.05E-31	0.140	2	2.9	Q2
IPI00295772;	CYP51A1	23.4	1.19E-133	0.140	4	5.1	Q2
IPI00002149;	SAR1B	11.6	7.49E-26	0.141	2	13.9	Q2
IPI00219160;	RPL34	36.8	9.14E-10	0.141	7	3.9	Q2
IPI00554541;	ILVBL	18.4	4.19E-154	0.141	5	11.3	Q2
IPI00030774;	TBCD	18.8	1.18E-63	0.143	9	11.6	Q2
IPI00022697;	DRG2	15.1	3.15E-91	0.144	3	4.0	Q2
IPI00026969;	SEC23IP	9.7	3.99E-67	0.144	4	3.2	Q2
IPI00642798	SC65	15.7	2.37E-74	0.144	3	22.1	Q2
IPI00017895;	GPD2	26.4	3.02E-157	0.145	8	3.7	Q2
IPI00289334;	FLNB	53.3	<1.0E-304	0.145	111	24.6	Q2
IPI00929344;	PFAS	14.3	9.78E-230	0.145	9	90.6	Q2
IPI00472164;	WASF2	6.8	2.63E-47	0.145	3	4.9	Q2
IPI00744211;	EIF4E2	13.9	1.42E-17	0.145	2	1.2	Q2
IPI00220465;	LIMA1	3.8	<1.0E-304	0.146	3	1.5	Q2
IPI00386258;	MTCH1	8	3.30E-12	0.146	2	7.7	Q2
IPI00016669	RHEB	32.1	8.68E-73	0.147	4	3.8	Q2
IPI00152658;	NEK7	29.5	5.52E-32	0.147	4	12.5	Q2

IPI00386189;	NARG1	22.3	1.71E-91	0.148	13	14.1	Q2
IPI00102864;	HK2	8	4.45E-85	0.148	2	6.5	Q2
IPI00152692	DTD1	20.1	3.62E-36	0.148	2	17.0	Q2
IPI00441473;	PRMT5	14.6	5.32E-64	0.148	5	8.2	Q2
IPI00007117;	SERPINB2	27.7	1.26E-233	0.149	9	10.3	Q2
IPI00217413	DHX29	5.3	1.01E-14	0.149	2	17.1	Q2
IPI00003935;	HIST2H2BE	13.5	1.22E-71	0.149	4	7.5	Q2
IPI00030782;	STAT6	18.5	1.07E-62	0.149	5	12.3	Q2
IPI00013871	RRM1	9.1	6.00E-24	0.149	4	5.4	Q2
IPI00016915	IGFBP7	16.3	2.15E-80	0.150	2	2.5	Q2
IPI00220901;	TBC1D4	2.2	1.06E-19	0.151	2	20.4	Q2
IPI00030320	DDX6	13.5	9.35E-67	0.152	5	3.0	Q2
IPI00008164	PREP	26.3	2.51E-287	0.152	2	8.8	Q2
IPI00017376;	SEC23B	3.4	4.57E-74	0.152	2	9.5	Q2
IPI00005634	TTC37	12.7	2.51E-177	0.153	5	17.6	Q2
IPI00165393;	ANP32E	14.6	1.20E-53	0.153	2	7.9	Q2
IPI00479058;	RPS15	64.8	8.57E-111	0.153	8	11.3	Q2
IPI00017672;	NP	36.2	2.64E-78	0.154	7	8.5	Q2
IPI00328350;	FAM129A	18	2.53E-123	0.154	5	13.7	Q2
IPI00927682;	RAB3GAP1	17.2	1.14E-57	0.154	8	21.0	Q2
IPI00016605;	C1orf123	10	7.43E-03	0.154	2	11.7	Q2
IPI00030851;	SEC24B	6.8	2.54E-89	0.154	4	5.7	Q2
IPI00376229;	PACS1	10.7	4.35E-36	0.155	3	5.6	Q2
IPI00303954;	CYB5B	12	1.15E-19	0.155	2	10.1	Q2
IPI00021831;	PRKAR1A	31.8	9.55E-146	0.155	6	18.7	Q2
IPI00007188;	SLC25A5	19.5	4.73E-161	0.155	12	67.3	Q2
IPI00179473;	SQSTM1	26.6	5.98E-227	0.156	10	15.1	Q2
IPI00215780;	RPS19	64.8	6.89E-74	0.156	15	6.9	Q2
IPI00216171;	ENO2	23.3	<1.0E-304	0.156	2	11.5	Q2
IPI00299904;	MCM7	24.8	2.62E-148	0.157	6	2.2	Q2
IPI00871854;	SAMM50	15.6	4.25E-17	0.158	3	6.7	Q2
IPI00018235	PEF1	20.8	2.82E-27	0.159	5	7.4	Q2
IPI00654605;	MAP7D1	7.6	7.01E-71	0.160	6	19.4	Q2

IPI00735181;	UNC45A	26.5	7.14E-257	0.160	9	5.2	Q2
IPI00003217;	PSMB7	26	5.81E-23	0.162	4	8.4	Q2
IPI00025329;	RPL19	27	1.15E-132	0.162	7	39.1	Q2
IPI00034006;	PTPN23	11.3	1.23E-126	0.163	8	8.6	Q2
IPI00290142;	CTPS	33.8	<1.0E-304	0.164	11	7.4	Q2
IPI00220059;	NDUFB4	26.4	4.04E-86	0.165	2	55.5	Q2
IPI00783781;	NUP205	7	2.08E-44	0.167	4	10.5	Q2
IPI00480028;	ABI1	10.6	1.49E-26	0.167	4	38.3	Q2
IPI00412672;	PKN1	5.8	5.80E-25	0.169	4	4.6	Q2
IPI00032881	MRPS23	15.8	2.86E-17	0.170	2	5.9	Q2
IPI00018350;	MCM5	18.9	1.08E-88	0.171	6	9.8	Q2
IPI00184330;	MCM2	20.8	3.62E-169	0.171	13	8.7	Q2
IPI00332499;	NASP	5.9	2.03E-14	0.172	3	11.7	Q2
IPI00397571;	NSFL1C	24.7	2.93E-54	0.172	2	0.4	Q2
IPI00398009;	IPO4	16.3	8.14E-118	0.174	8	10.9	Q2
IPI00657953;	TRIO	4.5	1.13E-42	0.176	2	13.4	Q2
IPI00782985	EIF4G2	29.7	4.97E-117	0.176	14	47.2	Q2
IPI00013679;	DUT	25.8	3.98E-136	0.177	3	7.3	Q2
IPI00290542;	STAM2	7	9.43E-55	0.177	2	6.9	Q2
IPI00414289;	GPS1	15.6	1.95E-18	0.177	2	9.9	Q2
IPI00554777;	ASNS	20.9	3.90E-161	0.178	3	4.0	Q2
IPI00744637;	RUFY1	19.9	6.87E-98	0.178	2	22.1	Q2
IPI00073179;	VPS33A	7.9	3.23E-09	0.180	2	15.3	Q2
IPI00031023;	FLII	22.5	2.99E-229	0.181	21	11.4	Q2
IPI00298476;	GREM1	31	6.67E-47	0.181	5	18.6	Q2
IPI00376976;	ASAP1	6.4	4.75E-29	0.182	3	19.8	Q2
IPI00855820;	MON2	4.9	2.82E-25	0.182	4	14.5	Q2
IPI00020178;	STAM	13.3	7.14E-123	0.183	4	9.6	Q2
IPI00465361;	RPL13	52.6	2.28E-42	0.183	19	30.8	Q2
IPI00031812;	YBX1	40.4	<1.0E-304	0.183	3	16.8	Q2
IPI00873472;	SEC24A	10	1.91E-111	0.183	12	9.8	Q2
IPI00003627;	ACTL6A	6.5	3.26E-16	0.184	2	15.7	Q2
IPI00024425;	KIAA0664	5.1	2.33E-27	0.184	4	7.7	Q2

IPI00453473	HIST1H4A	53.4	1.29E-131	0.185	29	28.3	Q2
IPI00464952;	SFRS11	5.2	1.54E-16	0.185	2	0.1	Q2
IPI00220873;	PAPSS2	36.5	8.74E-298	0.186	19	6.4	Q2
IPI00334715;	GRLF1	5.4	2.28E-12	0.186	4	95.1	Q2
IPI00013455;	CLIP1	10.7	1.32E-64	0.188	6	18.9	Q2
IPI00376689;	KIAA1199	28.3	1.06E-135	0.190	33	12.3	Q2
IPI00010400;	PLCB3	10.2	6.75E-128	0.191	4	8.9	Q2
IPI00296635;	GBE1	43.6	5.90E-229	0.191	16	24.3	Q2
IPI00002335	HTT	2.8	4.22E-10	0.193	2	12.2	Q2
IPI00302740;	RPS4Y1	22.8	2.42E-97	0.193	4	16.6	Q2
IPI00027009;	PACSN2	14.4	6.62E-30	0.195	2	3.7	Q2
IPI00872209;	PPP3CA	19.3	3.00E-62	0.195	5	4.9	Q2
IPI00815713;	TCOF1	3.1	3.24E-12	0.196	3	7.1	Q2
IPI00783378;	UBE2O	3.9	9.49E-14	0.197	3	4.8	Q2
IPI00816771;	WASH1	11.5	1.01E-35	0.199	2	10.7	Q2
IPI00333067;	HERC4	11.5	2.32E-26	0.199	7	5.3	Q2
IPI00376219;	APBB1IP	5.4	6.33E-07	0.200	2	3.1	Q2
IPI00006176;	HGS	14.9	3.54E-66	0.202	6	6.0	Q2
IPI00024320;	RBM3	45.9	1.73E-80	0.203	4	5.5	Q2
IPI00020454	DCK	6.2	7.43E-03	0.203	3	1.5	Q2
IPI00299193	SYNJ2BP	15.2	2.38E-05	0.204	2	10.8	Q2
IPI00815732	DKFZp781N1372	33.3	5.96E-156	0.204	5	5.8	Q2
IPI00923606;	EPRS	44.3	<1.0E-304	0.204	45	11.6	Q2
IPI00746455;	FARP1	15.9	9.85E-75	0.205	7	16.4	Q2
IPI00004409;	DDR2	8	2.24E-24	0.206	2	9.5	Q2
IPI00917683;	SUMO1	13	1.58E-06	0.207	3	20.3	Q2
IPI00032134;	SERPINB8	23.3	4.01E-83	0.207	2	1.9	Q2
IPI00216237	RPL36	30.5	1.31E-10	0.207	6	40.2	Q2
IPI00019472;	SLC1A5	11.8	1.41E-78	0.209	10	96.5	Q2
IPI00790530;	NUP85	7	1.30E-50	0.210	2	5.3	Q2
IPI00016746;	CBFB	23.6	2.23E-46	0.212	2	16.5	Q2
IPI00291802;	LMO7	47.7	<1.0E-304	0.213	70	19.3	Q2
IPI00745406;	SPAG9	19.7	2.30E-111	0.214	10	11.3	Q2

IPI00438229;	TRIM28	28.5	1.59E-267	0.216	24	11.2	Q2
IPI00852685;	DIAPH1	13.9	3.01E-69	0.216	10	12.7	Q2
IPI00291946;	USP10	15.7	9.84E-79	0.216	4	24.6	Q2
IPI00157790;	ECM29	17.2	3.99E-221	0.217	21	14.1	Q2
IPI00021338;	DLAT	18.2	6.94E-74	0.220	5	9.4	Q2
IPI00328293;	SRRM1	9.5	2.05E-21	0.222	3	7.8	Q2
IPI00514856;	UBAP2L	18.4	2.15E-230	0.225	15	9.6	Q2
IPI00829657;	ARHGAP17	8.4	2.41E-84	0.226	4	4.7	Q2
IPI00000684;	UAP1	20.9	6.10E-82	0.227	11	12.2	Q2
IPI00152890;	NOL6	2.4	4.30E-02	0.227	2	10.5	Q2
IPI00385267	SRPR	26.8	1.46E-73	0.229	9	16.7	Q2
IPI00013706;	MRPL20	20.1	8.94E-17	0.229	2	4.6	Q2
IPI00456363;	ATXN2L	8	1.93E-22	0.230	6	11.4	Q2
IPI00790342;	RPL6	49.1	1.89E-198	0.231	18	24.3	Q2
IPI00003269	ACTBL2	4.8	4.52E-128	0.241	6	45.8	Q2
IPI00215719;	RPL18	45.7	8.07E-78	0.241	13	20.4	Q2
IPI00008475;	HMGCS1	12.9	1.24E-62	0.242	3	4.0	Q2
IPI00293203	SULF1	4.7	4.03E-03	0.243	5	4.8	Q2
IPI00008708;	RSL1D1	13.5	1.27E-56	0.251	3	15.0	Q2
IPI00337648;	PTPN13	1.3	2.87E-06	0.253	2	0.4	Q2
IPI00444452;	MOV10	9.1	6.92E-32	0.258	5	10.3	Q2
IPI00012235;	NDFIP1	12.7	3.73E-44	0.261	2	7.7	Q2
IPI00005792;	PABPN1	12.1	5.48E-21	0.264	3	26.0	Q2
IPI00412607;	RPL35	26	2.42E-15	0.266	5	6.3	Q2
IPI00010717;	MVK	11.1	7.13E-23	0.267	2	2.2	Q2
IPI00759799;	HBEBP2BPA	11.4	8.73E-19	0.268	3	79.1	Q2
IPI00550032;	RP11	39.7	3.66E-94	0.274	17	16.8	Q2
IPI00306933;	MYO9B	5	1.68E-30	0.275	2	3.5	Q2
IPI00017341	SF3A2	8.1	5.16E-74	0.275	3	17.7	Q2
IPI00645431;	BAT3	6.9	7.48E-94	0.280	7	9.9	Q2
IPI00927658;	RPL32	39.2	1.93E-17	0.281	5	11.2	Q2
IPI00396279;	CLASP1	4.2	9.75E-15	0.283	3	10.3	Q2
IPI00290043;	ITGA3	5.6	1.07E-24	0.286	4	1.7	Q2

IPI00031109	NDUFAF2	20.1	4.65E-54	0.291	2	1.2	Q2
IPI00554481;	SLC3A2	31	7.71E-209	0.295	16	11.6	Q2
IPI00009841;	EWSR1	4.4	1.38E-19	0.297	2	4.7	Q2
IPI00218624;	SON	2.1	1.83E-28	0.311	3	13.2	Q2
IPI00021785	COX5B	9.3	9.31E-11	0.312	2	27.3	Q2
IPI00657648;	EPDR1	11.9	8.74E-21	0.313	2	5.4	Q2
IPI00106495	NCAPG	5.7	6.29E-47	0.315	3	19.3	Q2
IPI00217272;	AACS	7.6	1.16E-08	0.319	2	15.2	Q2
IPI00296353;	ARHGAP18	8.6	1.20E-32	0.326	3	6.0	Q2
IPI00014236;	SLC39A14	2.4	1.16E-05	0.327	2	14.9	Q2
IPI00871467;	L1CAM	4.1	7.94E-21	0.327	4	28.8	Q2
IPI00013214;	MCM3	19.8	7.23E-47	0.328	7	13.7	Q2
IPI00746934;	UBR4	14.8	5.80E-284	0.338	58	24.3	Q2
IPI00306043;	YTHDF2	8.8	1.10E-11	0.340	2	26.4	Q2
IPI00032003;	EMD	46.1	6.62E-250	0.342	6	21.0	Q2
IPI00295081;	TUBG1	19.5	5.31E-23	0.345	2	31.7	Q2
IPI00607584;	MYBBP1A	16.4	3.25E-147	0.346	13	13.4	Q2
IPI00021695;	ATP2B1	10.1	<1.0E-304	0.354	4	4.9	Q2
IPI00400765;	KIAA1632	2.3	1.06E-15	0.379	3	5.2	Q2
IPI00647185;	CEP170	5.3	1.03E-20	0.389	3	15.3	Q2
IPI00027377;	ACAN	3.2	3.31E-11	0.394	5	11.6	Q2
IPI00298949;	GAK	3	1.00E-47	0.407	2	16.4	Q2
IPI00218247;	TIMP3	10	9.29E-05	0.418	3	22.7	Q2
IPI00878985;	INF2	22.3	7.64E-294	0.452	18	27.5	Q2
IPI00479145;	KRT19	29	2.01E-66	0.457	5	11.3	Q2
IPI00010136;	CTBP2	8.5	2.49E-21	0.544	2	62.1	Q3
IPI00290337;	EPS8	7.2	3.27E-58	0.580	2	41.8	Q3
IPI00022891;	SLC25A4	13.4	1.49E-124	0.905	2	95.4	Q3
IPI00032206;	PDLIM4	17.9	1.30E-11	0.928	2	99.4	Q3
IPI00170706;	TMEM2	3.5	7.78E-15	0.984	2	77.9	Q3
IPI00018415;	TM9SF2	3.5	1.18E-05	1.012	2	98.8	Q3
IPI00101186;	RRP12	4.1	3.25E-09	1.113	2	59.0	Q3
IPI00030847;	TM9SF3	11.2	1.97E-12	1.290	2	133.7	Q3

IPI00294501	DHCR7	13.1	3.49E-192	1.522	2	149.2	Q3
IPI00657706;	MBOAT7	5.1	4.33E-11	1.676	3	103.3	Q3
IPI00741030	C8orf73	2.6	4.36E-02	4.041	5	103.1	Q3
IPI00792333;	IBTK	1	5.77E-04	4.055	2	110.5	Q3

Supplementary Table 2: Fibroblasts during cell culture. Cell lysates were prepared from unlabeled (Arg0/Lys0), freshly isolated fibroblasts and labeled (Arg10/Lys8) fibroblasts after 14 cell doublings in culture (D14). Shown are normalized log2 transformed protein ratios of identified proteins. For identification a minimum of 2 peptides per protein has to be identified (unique + razor). The database used for identification was a decoy database based on IPI v. 3.59 containing in total 160,820 entries. As a criterium for identification the posterior error probability rate of identified proteins (PEP) is shown. The peptide numbers represent peptides used for quantitation.

Protein ID	Gene Symbol	Unique + Razor Sequence Coverage [%]	PEP	Log2 Ratio	Peptide No.	Variability [%]	Quantil
IPI00807625	FNBP1	3.9	3.53E-05	-4.334	2	17.4	Q1
IPI00916402	AAK1	7.8	3.78E-20	-4.273	2	113.0	Q1
IPI00021033	COL3A1	11.1	5.91E-62	-4.058	11	133.6	Q1
IPI00297655	NOTCH2	0.6	2.50E-05	-3.960	2	110.2	Q1
IPI00152007	ARHGEF17	2.3	5.41E-09	-3.841	8	145.0	Q1
IPI00438229	TRIM28	28.5	1.59E-267	-3.658	23	140.2	Q1
IPI00009841	EWSR1	4.4	1.38E-19	-3.552	2	2.3	Q1
IPI00784020	ANKRD17	2.4	1.47E-76	-3.546	2	105.3	Q1
IPI00006176	HGS	14.9	3.54E-66	-3.480	7	37.6	Q1
IPI00019205	EAP1	5.8	2.14E-08	-3.452	3	102.0	Q1
IPI00299738	PCOLCE	14.7	2.19E-10	-3.351	5	23.4	Q1
IPI00009322	NEDD4	7.6	3.01E-18	-3.268	3	154.7	Q1
IPI00019472	SLC1A5	11.8	1.41E-78	-3.241	5	45.5	Q1
IPI00005792	PABPN1	12.1	5.48E-21	-3.240	4	210.1	Q1
IPI00010740	SFPQ	35.8	<1.0E-304	-3.229	39	204.6	Q1
IPI00021841	APOA1	63	2.88E-110	-3.218	16	84.8	Q1
IPI00007722	AMPD2	13	1.94E-23	-3.146	8	90.5	Q1
IPI00477611	COL5A1	4.9	7.86E-32	-3.137	3	270.5	Q1
IPI00641384	SEC16A	3.3	7.70E-21	-3.078	6	106.9	Q1
IPI00001734	PSAT1	28.9	1.75E-60	-2.857	13	7.9	Q1
IPI00060423	CTHRC1	21	1.77E-22	-2.848	4	9.6	Q1
IPI00444452	MOV10	9.1	6.92E-32	-2.772	7	112.3	Q1
IPI00220116	OSBPL5	4.4	8.02E-13	-2.771	3	101.3	Q1
IPI00647286	C9orf88	36.7	<1.0E-304	-2.757	37	216.5	Q1

IPI00414008	LMOD1	18.4	9.20E-85	-2.723	13	166.1	Q1
IPI00023532	SPATS2L	11.9	1.60E-117	-2.713	2	12.4	Q1
IPI00030782	STAT6	18.5	1.07E-62	-2.699	10	214.4	Q1
IPI00816771	WASH1	11.5	1.01E-35	-2.663	2	19.6	Q1
IPI00220327	KRT1	59.9	1.62E-281	-2.599	113	158.4	Q1
IPI00298860	LTF	51	8.02E-197	-2.584	20	94.2	Q1
IPI00007960	POSTN	4.2	5.53E-09	-2.565	3	34.6	Q1
IPI00010463	GTPBP1	5.7	5.74E-29	-2.558	2	6.5	Q1
IPI00022488	HPX	43.3	3.35E-140	-2.554	16	129.8	Q1
IPI00251749	NR3C1	3.9	1.09E-09	-2.497	2	28.0	Q1
IPI00465431	LGALS3	37.2	1.58E-67	-2.473	22	208.2	Q1
IPI00013214	MCM3	19.8	7.23E-47	-2.468	11	203.4	Q1
IPI00654777	EIF3F	37.6	4.58E-282	-2.425	20	251.4	Q1
IPI00472160	ARHGEF2	16.9	1.52E-87	-2.411	12	34.2	Q1
IPI00003128	P4HA2	45.6	<1.0E-304	-2.408	22	26.3	Q1
IPI00296635	GBE1	43.6	5.90E-229	-2.373	39	250.2	Q1
IPI00013174	RBM14	13.6	1.76E-38	-2.370	6	9.6	Q1
IPI00021695	ATP2B1	10.1	<1.0E-304	-2.325	13	123.3	Q1
IPI00010400	PLCB3	10.2	6.75E-128	-2.318	5	235.8	Q1
IPI00782985	EIF4G2	29.7	4.97E-117	-2.281	24	146.8	Q1
IPI00306933	MYO9B	5	1.68E-30	-2.280	6	132.1	Q1
IPI00021692	MBNL1	14.4	6.61E-13	-2.251	8	142.5	Q1
IPI00829657	ARHGAP17	8.4	2.41E-84	-2.233	6	117.7	Q1
IPI00302647	CC2D1A	5	2.69E-12	-2.226	4	46.9	Q1
IPI00013070	HNRNPUL1	21.4	1.23E-140	-2.218	18	163.8	Q1
IPI00514856	UBAP2L	18.4	2.15E-230	-2.208	13	128.3	Q1
IPI00430622	SPG20	9.2	1.74E-30	-2.190	5	16.9	Q1
IPI00152503	DTX3L	3.5	6.84E-06	-2.186	2	16.6	Q1
IPI00746455	FARP1	15.9	9.85E-75	-2.179	13	156.6	Q1
IPI00289031	FAM160B1	4.3	1.95E-07	-2.177	4	57.8	Q1
IPI00023704	LPP	21.1	1.58E-134	-2.175	6	13.1	Q1
IPI00641582	BAG3	7.7	4.88E-49	-2.127	2	14.0	Q1
IPI00023122	PDLIM7	31.1	8.05E-79	-2.111	17	202.2	Q1

IPI00554777	ASNS	20.9	3.90E-161	-2.097	10	49.9	Q1
IPI00465084	DES	52.3	9.20E-291	-2.071	17	146.7	Q1
IPI00031812	YBX1	40.4	<1.0E-304	-2.061	9	174.2	Q1
IPI00646361	NUP214	4.3	1.35E-10	-2.050	6	44.0	Q1
IPI00900324	SYNPO2	13.7	5.79E-81	-2.046	12	37.7	Q1
IPI00107357	CLPTM1	7.4	2.46E-29	-2.040	4	174.5	Q1
IPI00011200	PHGDH	39	1.79E-229	-2.028	20	48.1	Q1
IPI00218288	SEC24D	15.7	8.40E-100	-2.017	21	155.1	Q1
IPI00291607	ITPR3	5	1.22E-35	-2.012	5	40.0	Q1
IPI00746934	UBR4	14.8	5.80E-284	-2.008	68	135.4	Q1
IPI00103525	PSPC1	17.8	2.43E-52	-1.975	8	137.4	Q1
IPI00828125	SMPD4	6	1.80E-17	-1.939	2	56.9	Q1
IPI00871157	SRPK2	3	6.12E-05	-1.922	2	5.8	Q1
IPI00646954	ENAH	6.5	2.10E-08	-1.910	6	46.4	Q1
IPI00657938	SNX18	14.7	3.27E-87	-1.905	6	15.5	Q1
IPI00246058	PDCD6IP	53.8	<1.0E-304	-1.902	77	195.9	Q1
IPI00024709	IKBKB	5	1.90E-07	-1.890	2	3.2	Q1
IPI00026969	SEC23IP	9.7	3.99E-67	-1.888	4	8.5	Q1
IPI00386114	SF1	13.3	6.89E-48	-1.885	7	166.4	Q1
IPI00376229	PACS1	10.7	4.35E-36	-1.863	8	134.0	Q1
IPI00641743	HCFC1	4.3	1.01E-22	-1.855	2	13.0	Q1
IPI00306043	YTHDF2	8.8	1.10E-11	-1.851	3	83.7	Q1
IPI00384265	FAM120A	27	2.92E-192	-1.844	24	186.0	Q1
IPI00184330	MCM2	20.8	3.62E-169	-1.842	4	14.6	Q1
IPI00296485	MAP1S	5.6	1.31E-17	-1.828	4	26.1	Q1
IPI00026813	FNTA	6.6	3.94E-10	-1.812	3	134.3	Q1
IPI00853369	PLXNB2	7.1	2.38E-84	-1.807	9	81.2	Q1
IPI00030851	SEC24B	6.8	2.54E-89	-1.792	6	155.0	Q1
IPI00307545	TNS1	12.6	1.13E-147	-1.778	12	113.1	Q1
IPI00030654	CPSF6	14.3	4.36E-134	-1.769	4	66.3	Q1
IPI00021338	DLAT	18.2	6.94E-74	-1.761	11	214.4	Q1
IPI00328257	AP1B1	25.5	<1.0E-304	-1.748	15	99.7	Q1
IPI00297646	COL1A1	46.7	<1.0E-304	-1.741	100	236.7	Q1

IPI00017592	LETM1	22.1	8.37E-122	-1.728	8	122.0	Q1
IPI00873875	SH3KBP1	5.6	8.85E-17	-1.700	3	197.4	Q1
IPI00400765	KIAA1632	2.3	1.06E-15	-1.677	5	25.9	Q1
IPI00645431	BAT3	6.9	7.48E-94	-1.670	7	117.3	Q1
IPI00218729	DLG1	4.6	2.48E-13	-1.652	3	14.4	Q1
IPI00018946	PANK4	4	2.98E-09	-1.644	2	22.3	Q1
IPI00031821	ITM2B	7.5	8.12E-05	-1.643	2	17.3	Q1
IPI00376317	EDC4	8.3	1.26E-50	-1.640	5	24.8	Q1
IPI00166132	VPS52	6.1	3.68E-27	-1.631	2	6.4	Q1
IPI00554481	SLC3A2	31	7.71E-209	-1.625	21	58.1	Q1
IPI00006091	DMD	0.3	1.12E-02	-1.619	2	21.1	Q1
IPI00006025	SART3	15.9	1.59E-54	-1.612	7	169.8	Q1
IPI00014149	TTC35	19.9	1.59E-47	-1.607	2	157.4	Q1
IPI00216219	TJP1	13.6	9.79E-84	-1.606	13	78.1	Q1
IPI00083708	BAT2D1	2.1	4.44E-09	-1.605	4	11.3	Q1
IPI00012490	ATP2B4	36.5	<1.0E-304	-1.599	57	146.6	Q1
IPI00031410	FRAP1	4.6	5.57E-40	-1.595	5	35.8	Q1
IPI00295457	MPRIP	36.4	1.30E-257	-1.584	19	73.3	Q1
IPI00031627	POLR2A	5.1	4.16E-25	-1.583	6	135.2	Q1
IPI00298292	PTK7	24.8	6.07E-212	-1.573	40	142.4	Q1
IPI00646493	COPA	57.1	<1.0E-304	-1.570	86	200.2	Q1
IPI00923606	EPRS	44.3	<1.0E-304	-1.564	62	151.7	Q1
IPI00007935	PDLIM5	37.8	5.02E-112	-1.556	18	131.9	Q1
IPI00306791	SORBS1	3.4	1.15E-16	-1.555	3	41.5	Q1
IPI00027808	POLR2B	10.5	1.50E-24	-1.542	8	15.1	Q1
IPI00550308	RBM12	6.1	1.58E-05	-1.532	4	17.5	Q1
IPI00642329	MFN2	2.2	4.73E-03	-1.531	3	128.4	Q1
IPI00291802	LMO7	47.7	<1.0E-304	-1.530	54	121.6	Q1
IPI00333913	NBAS	5.8	1.80E-40	-1.496	10	99.6	Q1
IPI00017292	CTNNB1	36.9	<1.0E-304	-1.492	27	66.5	Q1
IPI00299608	PSMD1	32.2	3.94E-298	-1.489	27	148.4	Q1
IPI00300725	KRT6A	27	6.82E-61	-1.478	4	31.9	Q1
IPI00293533	NUP62	15.3	3.27E-140	-1.469	3	6.6	Q1

IPI00333067	HERC4	11.5	2.32E-26	-1.458	6	53.3	Q1
IPI00023673	LGALS3BP	7.4	1.68E-05	-1.442	2	5.5	Q1
IPI00034006	PTPN23	11.3	1.23E-126	-1.438	11	47.4	Q1
IPI00743931	GORASP2	9.5	1.77E-36	-1.436	2	23.2	Q1
IPI00827972	PARF	7.4	2.08E-08	-1.436	3	83.9	Q1
IPI00021264	CNN1	42.4	1.67E-126	-1.435	14	55.7	Q1
IPI00179298	HUWE1	12.5	<1.0E-304	-1.426	37	116.6	Q1
IPI00414320	ANXA11	27.4	1.52E-201	-1.417	35	203.5	Q1
IPI00607584	MYBBP1A	16.4	3.25E-147	-1.412	11	27.2	Q1
IPI00015973	EPB41L2	20.2	4.33E-153	-1.401	16	83.8	Q1
IPI00008603	ACTA2	2.9	<1.0E-304	-1.398	2	2.1	Q1
IPI00449049	PARP1	27.1	3.42E-161	-1.392	17	70.3	Q1
IPI00012382	SNRPA	13.1	5.84E-07	-1.388	4	173.6	Q1
IPI00166010	CNOT1	8.5	2.86E-53	-1.388	14	130.3	Q1
IPI00872209	PPP3CA	19.3	3.00E-62	-1.370	14	46.9	Q1
IPI00157757	MICAL1	18.5	1.51E-126	-1.358	14	138.1	Q1
IPI00783931	COL18A1	1.1	1.56E-05	-1.343	2	0.2	Q1
IPI00479786	KHSRP	40.8	5.71E-206	-1.342	17	148.3	Q1
IPI00921422	CKAP5	19.4	1.60E-233	-1.340	25	77.6	Q1
IPI00852659	EML3	2.1	2.10E-04	-1.338	2	4.0	Q1
IPI00219078	ATP2A2	33	<1.0E-304	-1.324	53	119.1	Q1
IPI00719178	ABCC1	9.1	1.28E-77	-1.323	7	112.4	Q1
IPI00298308	ALDH1L2	44.5	<1.0E-304	-1.317	35	39.4	Q1
IPI00026625	NUP155	9.5	5.81E-38	-1.309	11	187.6	Q1
IPI00102864	HK2	8	4.45E-85	-1.299	6	48.2	Q1
IPI00902584	VASP	29.9	1.50E-97	-1.297	14	149.7	Q1
IPI00018434	TSG101	20.8	3.34E-39	-1.293	3	35.8	Q1
IPI00295400	WARS	60.5	<1.0E-304	-1.289	21	53.5	Q1
IPI00333770	DOCK10	1.2	2.29E-10	-1.287	2	26.7	Q1
IPI00019178	PSPH	13.8	6.03E-08	-1.284	3	27.2	Q1
IPI00157790	ECM29	17.2	3.99E-221	-1.283	25	185.1	Q1
IPI00654605	MAP7D1	7.6	7.01E-71	-1.276	3	7.0	Q1
IPI00004409	DDR2	8	2.24E-24	-1.266	3	20.8	Q1

IPI00021453	PPAP2B	7.1	8.65E-04	-1.260	2	10.4	Q1
IPI00290542	STAM2	7	9.43E-55	-1.257	2	23.2	Q1
IPI00298289	RTN4	43.4	3.49E-192	-1.251	17	207.1	Q1
IPI00002335	HTT	2.8	4.22E-10	-1.249	4	192.5	Q1
IPI00797038	PCK2	31.2	3.47E-231	-1.239	16	25.8	Q1
IPI00171798	MTA2	10.5	1.97E-13	-1.236	3	61.1	Q1
IPI00414315	EPS8L2	6.7	4.49E-15	-1.228	3	30.0	Q1
IPI00639957	CARM1	22	2.08E-64	-1.225	5	37.0	Q1
IPI00852685	DIAPH1	13.9	3.01E-69	-1.224	10	135.9	Q1
IPI00395605	ARHGEF1	14.7	6.64E-55	-1.213	6	18.3	Q1
IPI00410287	PRKAA1	10.8	1.88E-73	-1.199	3	12.1	Q1
IPI00143753	SR140	7.4	2.36E-105	-1.194	5	55.1	Q1
IPI00010800	NES	34.9	<1.0E-304	-1.184	57	70.7	Q1
IPI00514311	CTTNBP2NL	11.6	6.78E-17	-1.183	7	14.5	Q1
IPI00852741	SEC31A	28.1	4.10E-275	-1.177	62	119.6	Q1
IPI00152658	NEK7	29.5	5.52E-32	-1.176	8	46.0	Q1
IPI00297578	FILIP1L	3.5	1.71E-11	-1.175	4	24.3	Q1
IPI00021048	MYOF	58.8	<1.0E-304	-1.172	226	151.5	Q1
IPI00020632	ASS1	21.8	2.16E-81	-1.170	12	27.8	Q1
IPI00006666	SLC16A3	10.5	2.87E-14	-1.159	5	16.5	Q1
IPI00007253	KIAA1012	1.7	1.08E-04	-1.133	2	12.3	Q1
IPI00337495	PLOD2	25.5	2.82E-116	-1.126	18	18.9	Q1
IPI00296099	THBS1	40.8	<1.0E-304	-1.116	87	151.5	Q1
IPI00784366	AP2B1	51.4	<1.0E-304	-1.114	54	155.5	Q1
IPI00604464	UBE3C	6.6	1.02E-21	-1.114	8	37.2	Q1
IPI00002957	TBC1D17	6.3	2.54E-12	-1.114	2	2.9	Q1
IPI00100030	PIGT	7.1	2.74E-02	-1.111	3	3.1	Q1
IPI00217661	RAVER1	6.1	1.70E-24	-1.107	3	2.8	Q1
IPI00328350	FAM129A	18	2.53E-123	-1.096	14	17.6	Q1
IPI00219825	PSAP	9.1	8.22E-72	-1.092	7	79.8	Q1
IPI00604647	MAP4K4	9.8	2.45E-21	-1.091	7	32.9	Q1
IPI00020513	ZYX	46.7	<1.0E-304	-1.086	41	121.4	Q1
IPI00873472	SEC24A	10	1.91E-111	-1.082	11	30.5	Q1

IPI00878985	INF2	22.3	7.64E-294	-1.082	20	228.2	Q1
IPI00746655	FAM62A	45.6	<1.0E-304	-1.073	76	130.8	Q1
IPI00411426	VPS26A	27.8	1.75E-184	-1.073	6	142.7	Q1
IPI00782992	SRRM2	5.3	4.30E-91	-1.072	7	81.2	Q1
IPI00007928	PRPF8	27.3	<1.0E-304	-1.070	66	135.3	Q1
IPI00409635	FAM62B	16.3	3.42E-174	-1.054	12	87.1	Q1
IPI00913848	FERMT2	53.6	<1.0E-304	-1.042	42	70.7	Q1
IPI00023330	KIAA1468	6.5	4.00E-33	-1.040	3	2.2	Q1
IPI00889541	DDX17	37.6	5.93E-301	-1.035	39	68.8	Q1
IPI00306380	GNL3	10.4	9.00E-08	-1.027	2	6.5	Q1
IPI00215893	HMOX1	51.4	8.99E-195	-1.023	12	24.6	Q1
IPI00299468	SCD	10.3	4.01E-27	-1.018	2	1.2	Q1
IPI00031697	TMEM109	12.8	9.72E-18	-1.008	5	50.6	Q1
IPI00855787	TNKS1BP1	26.3	<1.0E-304	-0.997	30	82.2	Q1
IPI00030774	TBCD	18.8	1.18E-63	-0.995	10	124.9	Q1
IPI00328243	PLD3	10.2	5.88E-44	-0.991	7	20.7	Q1
IPI00789041	PNN	6.7	6.44E-24	-0.989	2	6.6	Q1
IPI00217490	FNDC3B	8.2	1.10E-55	-0.989	8	63.8	Q1
IPI00643591	AP1G1	34.7	1.81E-149	-0.987	18	123.8	Q1
IPI00008998	PTPLAD1	13.8	7.34E-41	-0.986	4	19.4	Q1
IPI00007074	YARS	50.9	2.43E-171	-0.985	21	16.5	Q1
IPI00008223	RAD23B	22.7	2.79E-145	-0.985	16	153.6	Q1
IPI00024006	PIK3R4	3.7	3.75E-18	-0.982	4	41.5	Q1
IPI00872773	ERO1L	23.3	1.49E-91	-0.981	9	159.8	Q1
IPI00298058	SUPT5H	10.6	3.52E-94	-0.972	3	42.9	Q1
IPI00027681	NNMT	45.1	2.07E-134	-0.960	20	158.9	Q1
IPI00298851	CD151	9.1	6.18E-03	-0.957	2	44.6	Q1
IPI00009505	SNTB2	10.6	4.88E-28	-0.954	2	33.1	Q1
IPI00022597	UBE2M	35.5	5.42E-80	-0.952	7	61.6	Q1
IPI00100980	EHD2	79.4	<1.0E-304	-0.951	51	116.0	Q1
IPI00027442	AARS	49.7	<1.0E-304	-0.938	59	60.1	Q1
IPI00396279	CLASP1	4.2	9.75E-15	-0.936	3	6.4	Q1
IPI00031583	USO1	34.8	<1.0E-304	-0.936	24	17.1	Q1

IPI00012268	PSMD2	45.5	<1.0E-304	-0.932	48	83.0	Q1
IPI00926820	SLC4A7	2.3	2.54E-15	-0.930	2	33.1	Q1
IPI00002460	ANXA7	30.5	2.14E-96	-0.929	20	138.6	Q1
IPI00477763	CDC42BPB	11.9	1.49E-78	-0.926	9	42.1	Q1
IPI00028946	RTN3	15.3	6.46E-11	-0.918	4	142.9	Q1
IPI00303868	GYS1	12.1	2.55E-31	-0.913	5	14.8	Q1
IPI00783781	NUP205	7	2.08E-44	-0.911	6	31.5	Q1
IPI00647217	SKIV2L2	8.2	6.30E-12	-0.911	2	18.1	Q1
IPI00657953	TRIO	4.5	1.13E-42	-0.909	9	34.1	Q1
IPI00016621	AP2A2	25	<1.0E-304	-0.908	16	225.3	Q1
IPI00017451	SF3A1	29.9	2.09E-173	-0.905	17	55.5	Q1
IPI00103509	NDUFA10	9.3	5.26E-06	-0.902	2	47.7	Q1
IPI00879193	TTC28	1.3	1.14E-03	-0.900	2	20.8	Q1
IPI00644127	IARS	43.9	<1.0E-304	-0.898	49	78.8	Q1
IPI00396015	ACACA	14.2	2.73E-169	-0.896	12	14.6	Q1
IPI00385267	SRPR	26.8	1.46E-73	-0.894	5	19.5	Q1
IPI00915356	CPSF7	10.9	5.66E-99	-0.889	3	33.3	Q1
IPI00784808	Ov/Br septin	54.2	<1.0E-304	-0.889	33	104.3	Q1
IPI00019383	GALK1	14.7	1.36E-27	-0.886	3	10.0	Q1
IPI00007675	DYNC1LI1	14.3	9.42E-74	-0.882	3	32.1	Q1
IPI00816415	AKAP2	19.6	6.88E-261	-0.878	16	61.7	Q1
IPI00301323	DDX18	12.8	7.14E-29	-0.878	5	25.2	Q1
IPI00163851	EIF2AK4	4.2	2.60E-09	-0.874	4	39.5	Q1
IPI00914871	SERPINE2	16.1	1.92E-98	-0.874	2	38.1	Q1
IPI00060715	KCTD12	18.5	3.13E-24	-0.857	7	30.0	Q1
IPI00909417	IFI16	33.4	5.06E-218	-0.853	23	75.5	Q1
IPI00289334	FLNB	53.3	<1.0E-304	-0.851	128	95.9	Q1
IPI00376259	SRGAP1	3.5	2.12E-66	-0.841	3	32.3	Q1
IPI00242630	HEATR2	5	7.68E-12	-0.837	5	113.3	Q1
IPI00844303	UNC84A	6	3.94E-09	-0.834	4	25.6	Q1
IPI00016405	OCIAD1	22.9	9.99E-43	-0.819	4	9.2	Q1
IPI00376344	MYO1B	24.6	1.52E-266	-0.815	28	76.2	Q1
IPI00872533	CD2AP	8.5	9.82E-06	-0.815	3	24.4	Q1

IPI00012079	EIF4B	27.4	1.47E-129	-0.815	11	25.1	Q1
IPI00024425	KIAA0664	5.1	2.33E-27	-0.810	4	6.7	Q1
IPI00005158	LONP1	26.6	7.53E-273	-0.810	28	117.6	Q1
IPI00295940	UNC84B	20.6	1.95E-249	-0.808	12	38.5	Q1
IPI00024279	HEATR1	4.4	4.16E-27	-0.806	8	61.7	Q1
IPI00220031	PXN	15.4	3.69E-123	-0.802	7	9.5	Q1
IPI00745406	SPAG9	19.7	2.30E-111	-0.801	12	30.5	Q1
IPI00783872	CAPRIN1	17.8	2.01E-150	-0.797	13	12.7	Q1
IPI00034049	UPF1	37.7	5.12E-257	-0.795	29	114.8	Q1
IPI00305068	PRPF6	13.8	1.13E-96	-0.792	10	14.8	Q1
IPI00306290	XPOT	24.3	2.73E-251	-0.788	14	21.7	Q1
IPI00220754	ADD3	20	1.05E-107	-0.787	8	67.8	Q1
IPI00304267	NXN	26.9	1.33E-117	-0.785	6	138.4	Q1
IPI00221106	SF3B2	24.9	3.77E-97	-0.783	16	107.0	Q1
IPI00896498	MMP14	27.1	1.89E-192	-0.778	18	68.5	Q1
IPI00008708	RSL1D1	13.5	1.27E-56	-0.772	4	8.0	Q1
IPI00001914	FKBP7	22.8	1.98E-49	-0.768	5	8.2	Q1
IPI00444371	WDR44	7.2	7.66E-19	-0.768	3	18.4	Q1
IPI00848334	KIF2A	8.5	3.58E-39	-0.768	7	6.0	Q1
IPI00328170	MOGS	35.1	7.51E-178	-0.766	17	11.1	Q1
IPI00179473	SQSTM1	26.6	5.98E-227	-0.762	2	5.5	Q1
IPI00016725	GTF3C4	3.2	4.58E-06	-0.756	2	4.9	Q1
IPI00003802	MAN2A1	8.6	3.63E-57	-0.754	2	24.0	Q1
IPI00006663	ALDH2	19.7	1.12E-149	-0.753	4	15.1	Q1
IPI00396171	MAP4	49.7	<1.0E-304	-0.744	81	96.9	Q1
IPI00300096	RAB35	17.4	3.37E-49	-0.741	2	50.7	Q1
IPI00029267	SNRPB2	20.4	1.69E-14	-0.740	7	179.2	Q1
IPI00397904	NUP93	29.5	4.30E-236	-0.730	15	19.3	Q1
IPI00328715	MTDH	16.5	9.43E-104	-0.726	6	13.8	Q1
IPI00027443	DKFZp686F1612	30.7	6.65E-161	-0.724	18	12.0	Q1
IPI00020178	STAM	13.3	7.14E-123	-0.724	5	19.3	Q1
IPI00018235	PEF1	20.8	2.82E-27	-0.723	4	4.0	Q1
IPI00299512	NF1	1.4	5.79E-08	-0.721	2	19.9	Q1

IPI00022164	ARHGEF12	1.6	1.21E-03	-0.721	2	75.7	Q1
IPI00640197	TPP2	38.2	<1.0E-304	-0.709	31	78.9	Q1
IPI00004839	CRKL	29	4.02E-86	-0.704	4	1.3	Q1
IPI00783271	LRPPRC	55.6	<1.0E-304	-0.702	63	140.1	Q1
IPI00031023	FLII	22.5	2.99E-229	-0.695	22	108.5	Q1
IPI00015836	APPL1	15.5	4.85E-72	-0.695	5	17.8	Q1
IPI00301051	NHLRC2	13.2	2.80E-72	-0.695	5	8.5	Q1
IPI00760962	KANK2	33.1	9.77E-272	-0.690	38	115.0	Q1
IPI00418313	ILF3	36.2	<1.0E-304	-0.689	43	131.3	Q1
IPI00024305	SMAD3	10.8	5.17E-25	-0.685	4	28.7	Q1
IPI00059279	EXOC4	15.8	2.74E-83	-0.678	9	19.1	Q1
IPI00216247	PSMD4	16.8	1.12E-61	-0.675	4	9.2	Q1
IPI00002804	PKN2	4.2	4.88E-18	-0.671	2	66.5	Q1
IPI00307359	OSBPL9	3	2.86E-06	-0.670	2	43.6	Q1
IPI00296713	GRN	3.9	1.10E-14	-0.667	2	4.8	Q1
IPI00166738	ZADH2	6.4	9.20E-06	-0.665	2	47.6	Q1
IPI00477231	MGEA5	9.1	4.55E-34	-0.665	8	11.9	Q1
IPI00023832	SH3PXD2B	11	2.03E-95	-0.664	8	13.5	Q1
IPI00783982	COPG	52.7	<1.0E-304	-0.663	61	85.0	Q1
IPI00377050	COG5	5.9	8.72E-29	-0.659	2	25.5	Q1
IPI00903328	AGFG1	4.1	8.56E-08	-0.657	2	7.5	Q1
IPI00472164	WASF2	6.8	2.63E-47	-0.654	2	257.4	Q1
IPI00008868	MAP1B	39.5	<1.0E-304	-0.649	94	58.6	Q1
IPI00004838	CRK	28	1.44E-134	-0.647	10	125.0	Q1
IPI00334011	EML1	3.6	4.52E-14	-0.647	2	21.5	Q1
IPI00221235	NUP160	9.7	4.21E-101	-0.646	10	70.7	Q1
IPI00410067	ZC3HAV1	13.4	7.28E-116	-0.643	7	9.1	Q1
IPI00307259	DNAJC13	26.4	<1.0E-304	-0.641	56	93.9	Q1
IPI00106495	NCAPG	5.7	6.29E-47	-0.640	3	14.5	Q1
IPI00334715	GRLF1	5.4	2.28E-12	-0.638	5	18.9	Q1
IPI00028264	EXOC8	5.7	6.95E-06	-0.638	2	29.7	Q1
IPI00883897	RELA	9	7.40E-09	-0.637	2	55.5	Q1
IPI00007797	FABP5	33.3	2.34E-10	-0.635	4	5.9	Q1

IPI00000634	CCDC6	8.7	1.41E-15	-0.634	2	7.3	Q1
IPI00893918	VARS	33.2	<1.0E-304	-0.633	36	122.9	Q1
IPI00464952	SFRS11	5.2	1.54E-16	-0.626	4	16.5	Q1
IPI00020356	MAP1A	15.2	<1.0E-304	-0.626	31	74.5	Q1
IPI00033030	ADRM1	9.1	1.52E-19	-0.625	3	140.5	Q1
IPI00412343	FMR1	6.3	3.21E-14	-0.617	2	2.0	Q1
IPI00333215	TCEA1	15	1.25E-33	-0.613	2	9.3	Q1
IPI00644386	FUBP1	34.5	2.13E-254	-0.612	12	17.8	Q1
IPI00152695	WDR82	17.3	1.06E-41	-0.610	3	12.7	Q1
IPI00384444	KRT14	36.4	6.18E-85	-0.603	13	121.3	Q1
IPI00409671	DDX42	16	7.44E-92	-0.601	9	9.2	Q1
IPI00001466	EML4	12.7	2.49E-56	-0.599	12	26.7	Q1
IPI00783097	GARS	57.5	<1.0E-304	-0.599	55	14.4	Q1
IPI00023103	DVL2	8.4	6.94E-08	-0.597	3	20.8	Q1
IPI00247871	TCERG1	8.7	1.86E-15	-0.596	4	47.1	Q1
IPI00410259	PHLDB2	2.8	6.93E-15	-0.596	3	17.6	Q1
IPI00032050	WBP2	11.5	9.22E-08	-0.590	2	20.0	Q1
IPI00016112	PXDN	11.8	1.15E-104	-0.589	10	15.9	Q1
IPI00217413	DHX29	5.3	1.01E-14	-0.587	6	9.3	Q1
IPI00221325	RANBP2	8.7	2.36E-186	-0.587	13	39.4	Q1
IPI00099550	UBQLN1	21.2	6.58E-85	-0.586	4	10.8	Q1
IPI00018963	PARVA	25.8	2.33E-243	-0.586	13	59.3	Q1
IPI00376976	ASAP1	6.4	4.75E-29	-0.585	6	13.9	Q1
IPI00217357	CCAR1	5.7	3.04E-21	-0.585	4	13.3	Q1
IPI00012069	NQO1	36.9	2.41E-101	-0.584	17	49.8	Q1
IPI00011454	GANAB	55.2	<1.0E-304	-0.583	99	119.8	Q1
IPI00027378	UBXN1	27.3	3.78E-166	-0.582	4	9.6	Q1
IPI00332106	PBXIP1	21.9	1.86E-146	-0.581	13	15.5	Q1
IPI00008219	RAD23A	12.7	1.82E-50	-0.581	3	14.2	Q1
IPI00103247	HNRPLL	10	2.86E-26	-0.580	2	17.3	Q1
IPI00442344	SLC27A1	5.4	6.97E-18	-0.577	2	7.4	Q1
IPI00847241	LARP5	5.8	1.19E-17	-0.571	2	8.9	Q1
IPI00029111	LCRMP	44	<1.0E-304	-0.570	23	14.8	Q1

IPI00738765	KIAA1949	23.8	6.87E-33	-0.570	8	4.0	Q1
IPI00009542	MAGED2	8.9	5.55E-08	-0.567	3	8.2	Q1
IPI00003949	UBE2N	52.6	6.92E-116	-0.567	12	94.0	Q1
IPI00183786	FADS2	15.3	6.10E-19	-0.566	4	4.1	Q1
IPI00658152	TNS3	13.6	6.47E-273	-0.565	12	33.1	Q1
IPI00000877	HYOU1	46.8	<1.0E-304	-0.565	44	84.9	Q1
IPI00003783	MAP2K2	17.5	3.54E-19	-0.565	5	24.1	Q1
IPI00749454	RFTN1	9.2	2.85E-87	-0.564	7	60.4	Q1
IPI00014197	CDV3	28.7	2.40E-97	-0.564	7	18.9	Q1
IPI00844264	DKFZp779B0247	29.8	1.94E-196	-0.561	21	12.6	Q1
IPI00398009	IPO4	16.3	8.14E-118	-0.560	9	17.4	Q1
IPI00430472	ASCC3	6.3	1.27E-39	-0.558	8	30.7	Q1
IPI00401264	ERP44	24.4	4.88E-83	-0.558	12	54.6	Q1
IPI00784114	RASA3	5.5	9.06E-20	-0.545	6	43.1	Q1
IPI00300371	SF3B3	27.4	<1.0E-304	-0.545	31	20.4	Q1
IPI00884896	TXNRD1	49.3	<1.0E-304	-0.543	22	13.9	Q1
IPI00742743	TP53BP1	8.8	1.07E-132	-0.542	6	31.1	Q1
IPI00787827	PITRM1	21.8	4.91E-158	-0.541	8	13.6	Q1
IPI00745433	EIF2C2	3.7	5.93E-02	-0.541	2	27.3	Q1
IPI00428967	TIRAP3	13.6	2.32E-26	-0.539	2	1.5	Q1
IPI00014399	FHL3	15	4.00E-11	-0.539	5	15.7	Q1
IPI00291946	USP10	15.7	9.84E-79	-0.539	6	16.7	Q1
IPI00183002	PPP1R12A	24.7	1.74E-238	-0.535	20	42.0	Q1
IPI00290461	EIF3J	16.3	3.35E-32	-0.534	4	5.9	Q1
IPI00910194	NUP153	5	5.80E-18	-0.528	3	23.3	Q1
IPI00005578	EHD4	23.3	2.74E-187	-0.526	5	7.5	Q1
IPI00748502	CRTAP	26.7	7.76E-66	-0.525	7	102.0	Q1
IPI00795611	GIT1	5.1	2.65E-18	-0.524	2	12.6	Q1
IPI00855820	MON2	4.9	2.82E-25	-0.521	5	117.7	Q1
IPI00019918	DDX19A	19.7	3.66E-37	-0.521	2	2.1	Q1
IPI00027627	TNFAIP8	19	2.60E-20	-0.519	2	25.2	Q1
IPI00397571	NSFL1C	24.7	2.93E-54	-0.515	4	4.0	Q1
IPI00374657	VAPA	38.1	7.59E-103	-0.512	8	80.2	Q1

IPI00299254	EIF5B	19.6	2.11E-226	-0.511	14	22.8	Q1
IPI00027834	HNRNPL	53.1	<1.0E-304	-0.510	23	40.4	Q1
IPI00023234	UBA2	29.1	7.94E-116	-0.510	10	5.7	Q1
IPI00015842	RCN1	49.2	1.69E-249	-0.508	10	7.0	Q1
IPI00644297	SKI2W	15.4	1.34E-78	-0.505	6	72.2	Q1
IPI00293303	LGMN	7.2	5.03E-16	-0.505	2	9.5	Q1
IPI00465132	COPE	52.9	<1.0E-304	-0.504	9	69.8	Q1
IPI00413895	GOLGA2	12.5	6.64E-72	-0.504	4	91.5	Q1
IPI00328161	FKBP8	8.8	6.33E-62	-0.502	2	6.1	Q1
IPI00006482	ATP1A1	35.2	<1.0E-304	-0.502	49	89.8	Q1
IPI00011592	DYNC1L12	24	3.33E-260	-0.501	7	12.8	Q1
IPI00871890	PICALM	33.9	<1.0E-304	-0.497	14	104.8	Q2
IPI00292953	RAI14	36.1	4.56E-225	-0.496	27	54.9	Q2
IPI00009070	HBS1L	15.9	8.83E-59	-0.495	5	17.8	Q2
IPI00024097	TES	17.6	6.72E-32	-0.494	2	2.6	Q2
IPI00910513	GSPT1	38	4.73E-80	-0.494	16	11.3	Q2
IPI00215716	EPB41L3	23.8	5.53E-268	-0.493	13	12.0	Q2
IPI00306369	NSUN2	13.7	3.34E-130	-0.493	8	17.6	Q2
IPI00395488	VASN	8.2	2.39E-151	-0.491	2	139.7	Q2
IPI00400922	PDCD11	3.6	2.21E-13	-0.488	3	100.3	Q2
IPI00477971	TBL3	6.7	1.19E-37	-0.486	4	13.3	Q2
IPI00872597	ZNF326	6	2.09E-13	-0.480	2	11.1	Q2
IPI00031768	HOOK3	14.6	2.18E-166	-0.479	5	23.8	Q2
IPI00413324	RPL17	37.5	1.06E-26	-0.477	11	71.8	Q2
IPI00554788	KRT18	37.4	1.89E-139	-0.476	10	11.5	Q2
IPI00218466	SEC61A1	25.3	1.37E-88	-0.476	8	81.9	Q2
IPI00020164	PTP4A1	21.4	1.16E-29	-0.476	2	12.2	Q2
IPI00235412	DNM1L	40	<1.0E-304	-0.473	20	17.2	Q2
IPI00017160	VTA1	23.1	5.34E-16	-0.469	2	6.5	Q2
IPI00021924	H1FX	26.3	6.68E-89	-0.467	3	14.7	Q2
IPI00845271	EHBP1	7.5	2.28E-27	-0.463	5	17.3	Q2
IPI00299084	TMEM33	19	8.93E-25	-0.460	3	14.7	Q2
IPI00296922	LAMB2	17.3	8.33E-237	-0.458	16	21.5	Q2

IPI00794221	DBN1	25.3	1.99E-293	-0.456	23	25.7	Q2
IPI00015195	CSTF3	11.3	9.45E-150	-0.456	6	32.0	Q2
IPI00219005	FKBP4	26.8	5.92E-87	-0.454	8	16.2	Q2
IPI00169325	WDR36	2.2	6.93E-04	-0.452	2	5.1	Q2
IPI00514301	CASK	3.2	6.51E-08	-0.451	4	11.5	Q2
IPI00221012	USP9X	13.2	7.90E-145	-0.451	24	38.2	Q2
IPI00296830	LUZP1	7.9	1.36E-51	-0.448	6	15.5	Q2
IPI00329573	COL12A1	34.7	<1.0E-304	-0.447	158	118.9	Q2
IPI00382843	PRNP	7	1.46E-15	-0.441	2	23.8	Q2
IPI00746318	SGCD	12.1	3.25E-42	-0.439	3	7.7	Q2
IPI00015902	PDGFRB	18.9	2.54E-232	-0.437	19	64.7	Q2
IPI00024129	PPIC	20.8	4.68E-31	-0.436	7	17.9	Q2
IPI00293350	TSNAX	23.1	7.58E-96	-0.436	2	6.0	Q2
IPI00026219	CPSF1	5.4	3.92E-32	-0.434	5	37.5	Q2
IPI00328911	HECTD1	2	3.71E-07	-0.429	3	16.8	Q2
IPI00016702	RABGAP1	8.3	2.00E-39	-0.428	9	48.9	Q2
IPI00513791	DOCK7	13.5	1.39E-102	-0.424	13	17.0	Q2
IPI00250297	AASDHPPT	10	1.97E-39	-0.422	2	8.5	Q2
IPI00871680	ARFGAP2	14	1.55E-136	-0.419	5	28.1	Q2
IPI00001159	GCN1L1	42.4	<1.0E-304	-0.418	98	68.4	Q2
IPI00334587	HNRNPAB	25	1.74E-146	-0.417	7	81.9	Q2
IPI00387077	SLC12A9	4.5	9.34E-11	-0.417	2	33.6	Q2
IPI00011461	STRN3	7.3	5.16E-24	-0.414	4	13.7	Q2
IPI00011609	UBE3A	3.7	9.86E-08	-0.411	2	13.7	Q2
IPI00166044	RPTOR	3.7	2.60E-12	-0.411	3	29.2	Q2
IPI00465160	ABCF3	11.4	1.33E-31	-0.410	3	11.8	Q2
IPI00217465	HIST1H1C	27.7	9.11E-73	-0.407	13	92.8	Q2
IPI00294495	UFC1	19.8	1.89E-04	-0.407	2	17.8	Q2
IPI00018349	MCM4	19	4.11E-99	-0.405	4	15.4	Q2
IPI00448798	CSNK1A1	11.8	7.49E-21	-0.403	2	8.5	Q2
IPI00291238	FBLIM1	22.3	6.70E-51	-0.401	3	5.2	Q2
IPI00304187	RBM28	8	4.42E-14	-0.400	4	20.5	Q2
IPI00220194	SLC2A1	4.9	4.61E-18	-0.399	9	30.2	Q2

IPI00455473	MIA3	5.6	3.30E-69	-0.399	6	87.4	Q2
IPI00217468	HIST1H1B	22.1	2.79E-72	-0.399	12	57.5	Q2
IPI00385449	PRKCA	19.3	1.21E-133	-0.394	6	20.6	Q2
IPI00031554	DDX50	4.3	4.14E-15	-0.392	2	38.6	Q2
IPI00031836	DRG1	19.9	5.00E-75	-0.391	6	13.1	Q2
IPI00296907	ACOX1	8.8	3.56E-48	-0.391	3	24.8	Q2
IPI00232533	EIF1AX	34	8.97E-17	-0.389	5	8.7	Q2
IPI00793201	AIMP1	29.5	4.82E-92	-0.388	4	7.1	Q2
IPI00026089	SF3B1	36	<1.0E-304	-0.386	29	38.9	Q2
IPI00299033	KPNA3	8.1	2.44E-49	-0.385	2	26.5	Q2
IPI00012512	RRAS2	15.2	6.07E-120	-0.385	2	20.1	Q2
IPI00643166	PGM3	33.3	6.38E-166	-0.383	13	11.1	Q2
IPI00647635	GIGYF2	9.8	6.63E-56	-0.381	3	3.6	Q2
IPI00291608	PCNP	11.2	1.02E-10	-0.376	2	1.9	Q2
IPI00293735	IKBKAP	4.4	5.14E-28	-0.375	4	29.3	Q2
IPI00744319	PRRC1	6.7	5.11E-35	-0.374	4	12.4	Q2
IPI00216138	TAGLN	87.1	<1.0E-304	-0.374	78	15.7	Q2
IPI00005194	UBFD1	4.3	6.37E-03	-0.372	2	3.6	Q2
IPI00003768	PES1	8.2	6.69E-18	-0.371	2	1.4	Q2
IPI00032827	SF3B14	32	3.13E-55	-0.369	2	33.4	Q2
IPI00012202	WDR77	6.4	3.84E-52	-0.369	2	3.4	Q2
IPI00015953	DDX21	12.1	4.22E-34	-0.368	6	5.8	Q2
IPI00101037	RCN3	43.9	6.73E-200	-0.367	12	9.0	Q2
IPI00434580	MYOM1	0.6	1.08E-02	-0.364	2	19.7	Q2
IPI00003479	MAPK1	52.2	1.67E-176	-0.364	13	27.0	Q2
IPI00029557	GRPEL1	14.3	2.21E-25	-0.364	2	5.9	Q2
IPI00009946	TOMM34	18.8	6.18E-17	-0.364	2	20.3	Q2
IPI00018352	UCHL1	53.8	4.30E-202	-0.361	13	19.8	Q2
IPI00011268	RALY	31.3	8.29E-52	-0.359	7	16.1	Q2
IPI00000861	LASP1	44.4	1.72E-110	-0.358	18	79.2	Q2
IPI00411937	NOP56	27.1	4.44E-226	-0.357	16	13.0	Q2
IPI00021466	PAIP1	4.8	2.27E-14	-0.356	2	7.4	Q2
IPI00910882	TBC1D5	8	1.32E-09	-0.354	6	22.0	Q2

IPI00337397	NUP98	8.7	4.80E-78	-0.353	11	10.4	Q2
IPI00890837	SMCHD1	4.6	1.21E-24	-0.352	6	72.8	Q2
IPI00220158	ADD1	28.3	4.90E-174	-0.350	14	19.7	Q2
IPI00911038	MYH9	8.9	1.57E-54	-0.349	5	23.8	Q2
IPI00477040	NUP188	5.5	2.16E-17	-0.348	3	86.4	Q2
IPI00306960	NARS	47.3	<1.0E-304	-0.348	30	78.2	Q2
IPI00908949	TARS	49.6	<1.0E-304	-0.347	42	25.5	Q2
IPI00442073	CSRP1	46.6	2.38E-127	-0.347	10	22.9	Q2
IPI00163381	LEPRE1	25.8	1.07E-164	-0.347	22	70.2	Q2
IPI00300127	NAT10	10	8.78E-38	-0.346	6	12.9	Q2
IPI00103994	LARS	40.1	<1.0E-304	-0.346	35	38.4	Q2
IPI00013183	UBA7	10.1	2.08E-64	-0.346	3	8.1	Q2
IPI00005154	SSRP1	30.3	1.15E-246	-0.345	19	11.0	Q2
IPI00465294	CDC5L	22.4	3.39E-98	-0.344	9	43.0	Q2
IPI00013297	PDAP1	37.6	3.83E-129	-0.344	8	16.1	Q2
IPI00789551	MATR3	32.8	<1.0E-304	-0.344	29	55.1	Q2
IPI00000728	USP15	10.2	7.70E-25	-0.342	6	22.1	Q2
IPI00032003	EMD	46.1	6.62E-250	-0.342	9	26.4	Q2
IPI00019642	CLIP2	6	2.24E-44	-0.339	2	3.8	Q2
IPI00152990	ATG2B	0.8	1.00E-03	-0.336	2	44.5	Q2
IPI00154451	MMS19	14.3	5.03E-78	-0.336	8	72.6	Q2
IPI00550746	NUDC	31.1	3.45E-65	-0.335	7	11.5	Q2
IPI00011603	PSMD3	40.4	2.19E-253	-0.335	23	28.2	Q2
IPI00027192	PLOD1	45.3	<1.0E-304	-0.333	35	21.2	Q2
IPI00009771	LMNB2	51.1	<1.0E-304	-0.332	31	32.4	Q2
IPI00760715	CAST	44.8	<1.0E-304	-0.332	13	7.4	Q2
IPI00301561	TRIP6	9.7	2.63E-13	-0.332	2	19.0	Q2
IPI00009235	SSR3	7.1	1.31E-18	-0.331	2	1.2	Q2
IPI00873137	COL1A2	36.9	<1.0E-304	-0.331	71	243.1	Q2
IPI00100656	GPSN2	24.4	1.03E-22	-0.331	6	11.6	Q2
IPI00902843	CDIPT	15.6	6.32E-26	-0.331	2	5.0	Q2
IPI00761017	TGFB11	24.7	1.71E-203	-0.330	8	17.5	Q2
IPI00001738	NUP88	10	1.15E-14	-0.329	2	33.4	Q2

IPI00008711	WFS1	6.7	8.72E-10	-0.327	7	14.2	Q2
IPI00002478	ECE1	20.3	1.06E-110	-0.326	5	21.4	Q2
IPI00033130	SAE1	29.8	4.42E-104	-0.326	4	15.1	Q2
IPI00396218	SCYL2	2.4	8.99E-08	-0.325	2	7.8	Q2
IPI00290566	CCT1	68.2	<1.0E-304	-0.325	40	86.3	Q2
IPI00175096	TTC9C	12.3	2.43E-09	-0.324	3	5.3	Q2
IPI00032491	LEMD3	6	8.52E-24	-0.323	4	123.8	Q2
IPI00166079	VKORC1L1	15.9	1.96E-06	-0.322	2	9.1	Q2
IPI00885108	PATL1	5.1	5.88E-19	-0.320	4	13.5	Q2
IPI00257508	DPYSL2	73.6	<1.0E-304	-0.317	58	50.9	Q2
IPI00554521	FTH1	44.3	3.51E-51	-0.316	14	58.7	Q2
IPI00013212	CSK	13.3	5.00E-31	-0.315	4	22.4	Q2
IPI00028387	DDRKG1	20.1	5.95E-105	-0.315	4	21.2	Q2
IPI00020418	RRAS	44.5	1.50E-183	-0.315	9	15.6	Q2
IPI00883896	LIMA1	37.6	<1.0E-304	-0.314	23	20.3	Q2
IPI00299904	MCM7	24.8	2.62E-148	-0.312	12	16.6	Q2
IPI00022254	ATG3	24.2	1.34E-54	-0.312	6	63.5	Q2
IPI00011876	MTAP	41	1.86E-187	-0.312	8	22.6	Q2
IPI00034319	CUTA	27.8	1.19E-42	-0.311	2	5.2	Q2
IPI00329598	HSD17B11	30.7	4.57E-108	-0.311	3	17.2	Q2
IPI00026519	PPIF	30	1.08E-114	-0.309	3	48.2	Q2
IPI00009123	NUCB2	15	1.56E-34	-0.308	3	2.3	Q2
IPI00221035	BTF3	59.2	3.70E-114	-0.307	7	34.2	Q2
IPI00014938	SARNP	32.4	5.29E-89	-0.306	4	26.7	Q2
IPI00024976	TOMM22	48.6	1.44E-86	-0.306	2	10.9	Q2
IPI00032206	PDLIM4	17.9	1.30E-11	-0.304	4	4.2	Q2
IPI00014264	ACAP2	11.4	7.76E-80	-0.304	9	18.4	Q2
IPI00024971	OSBP	17.6	5.32E-80	-0.303	10	14.3	Q2
IPI00033022	DNM2	35.7	3.99E-182	-0.302	22	45.3	Q2
IPI00828150	SUGT1	33.7	1.31E-152	-0.302	5	10.8	Q2
IPI00001710	FFR	10.6	8.90E-16	-0.301	6	18.4	Q2
IPI00019380	NCBP1	6.6	7.88E-21	-0.300	4	16.0	Q2
IPI00398798	H2AFV	57.8	1.42E-25	-0.299	2	15.9	Q2

IPI00395887	TMX1	19.3	6.42E-46	-0.298	5	50.2	Q2
IPI00293126	TBCB	45.9	1.85E-115	-0.296	6	5.0	Q2
IPI00376119	PRKACB	3	6.20E-59	-0.295	2	14.1	Q2
IPI00332371	PFKL	32.2	<1.0E-304	-0.294	23	41.9	Q2
IPI00747533	PGD	49	<1.0E-304	-0.294	27	16.0	Q2
IPI00218922	SEC63	16.3	1.54E-54	-0.293	6	11.1	Q2
IPI00295772	CYP51A1	23.4	1.19E-133	-0.292	5	4.7	Q2
IPI00008529	RPLP2	77.4	<1.0E-304	-0.292	7	16.5	Q2
IPI00029737	ACSL4	15.8	4.07E-170	-0.291	7	18.9	Q2
IPI00929344	PFAS	14.3	9.78E-230	-0.290	7	18.5	Q2
IPI00012340	SFRS9	22.6	9.15E-19	-0.290	3	1.0	Q2
IPI00021458	EHD3	11.5	1.23E-127	-0.289	5	15.8	Q2
IPI00419979	PAK2	26.7	4.48E-82	-0.288	6	14.8	Q2
IPI00014852	PGM5	16.2	1.67E-88	-0.287	4	23.3	Q2
IPI00045550	PPP1R9B	4.7	1.52E-21	-0.287	2	24.7	Q2
IPI00856116	PALLD	24.4	<1.0E-304	-0.287	28	31.6	Q2
IPI00219774	PRKAR2A	39.9	3.27E-85	-0.286	7	3.7	Q2
IPI00914048	C11orf68	17.7	1.69E-09	-0.285	6	13.0	Q2
IPI00019812	PPP5C	7.4	7.02E-28	-0.285	2	26.6	Q2
IPI00008991	DR1	11.9	2.13E-07	-0.284	2	0.6	Q2
IPI00465045	DIP2B	4.3	4.18E-24	-0.284	3	22.8	Q2
IPI00021290	ACLY	53.6	<1.0E-304	-0.283	88	100.3	Q2
IPI00014589	CLTB	25.3	5.39E-08	-0.283	8	14.2	Q2
IPI00008524	PABPC1	37.9	<1.0E-304	-0.283	33	98.9	Q2
IPI00299719	TCIRG1	15.9	3.59E-40	-0.281	14	31.5	Q2
IPI00790739	ACO2	44.1	<1.0E-304	-0.281	20	9.2	Q2
IPI00102069	EIF3M	31	1.16E-144	-0.281	7	8.0	Q2
IPI00456887	HNRNPUL2	34.7	<1.0E-304	-0.280	26	70.0	Q2
IPI00025849	ANP32A	10.8	4.05E-96	-0.280	2	6.4	Q2
IPI00031397	ACSL3	32.8	3.66E-284	-0.279	13	18.1	Q2
IPI00017596	MAPRE1	44.4	1.29E-210	-0.279	8	8.5	Q2
IPI00291510	IMPDH2	27.2	1.89E-253	-0.278	10	7.9	Q2
IPI00045051	PURB	19.6	1.55E-35	-0.278	3	12.1	Q2

IPI00550917	TWF2	45.8	1.84E-204	-0.278	9	9.0	Q2
IPI00296165	C1R	8.5	4.47E-12	-0.278	4	17.4	Q2
IPI00550032	RP11	39.7	3.66E-94	-0.278	10	71.7	Q2
IPI00007334	ACIN1	0.5	7.20E-34	-0.277	2	33.2	Q2
IPI00007927	SMC2	8.4	5.55E-35	-0.277	2	16.2	Q2
IPI00218993	HSPH1	39.8	<1.0E-304	-0.277	24	48.0	Q2
IPI00015891	PFDN4	9	2.67E-19	-0.276	2	14.5	Q2
IPI00000494	RPL5	43.1	1.80E-191	-0.273	19	110.9	Q2
IPI00013485	RPS2	46.1	2.94E-114	-0.272	17	20.1	Q2
IPI00550021	RPL3	39.7	5.60E-144	-0.272	21	92.4	Q2
IPI00017342	RHOG	45	7.37E-201	-0.272	6	10.2	Q2
IPI00024157	FKBP3	38.4	2.43E-68	-0.271	6	31.6	Q2
IPI00103940	MFSD10	6.6	8.50E-22	-0.270	3	10.7	Q2
IPI00294879	RANGAP1	41.1	6.46E-243	-0.270	14	9.5	Q2
IPI00642798	SC65	15.7	2.37E-74	-0.270	4	14.2	Q2
IPI00004358	PYGB	49	<1.0E-304	-0.270	47	61.3	Q2
IPI00102752	RBM15	6.3	8.70E-09	-0.270	2	24.1	Q2
IPI00377261	FUBP3	20.1	1.08E-69	-0.268	6	5.6	Q2
IPI00021266	RPL23A	52.6	1.56E-55	-0.267	15	17.7	Q2
IPI00000230	DKFZp586K2222	48.9	3.25E-272	-0.267	16	16.1	Q2
IPI00029444	C12orf10	14.4	5.32E-60	-0.267	4	112.8	Q2
IPI00292020	SRM	35.4	8.68E-111	-0.267	7	7.8	Q2
IPI00300805	LRSAM1	10.9	1.75E-76	-0.266	4	30.8	Q2
IPI00291695	GPX8	52.6	6.69E-86	-0.266	8	40.8	Q2
IPI00018415	TM9SF2	3.5	1.18E-05	-0.266	3	11.7	Q2
IPI00182126	FKBP9	32.8	3.02E-169	-0.265	16	11.4	Q2
IPI00216047	SMARCC2	8.2	8.20E-114	-0.265	6	16.1	Q2
IPI00301579	NPC2	33.3	3.20E-66	-0.264	4	16.2	Q2
IPI00009274	COPZ2	18.6	2.23E-96	-0.264	2	24.5	Q2
IPI00793155	RAB34	21.2	3.87E-31	-0.264	2	2.5	Q2
IPI00032851	COPZ1	35	2.27E-111	-0.263	4	8.7	Q2
IPI00001883	SNX9	32.8	5.34E-241	-0.262	10	7.9	Q2
IPI00013877	HNRNPH3	19.7	5.24E-129	-0.262	6	4.4	Q2

IPI00019463	EIF2AK2	19.6	1.48E-117	-0.262	6	8.4	Q2
IPI00024705	GIPC1	24.3	3.12E-53	-0.261	2	44.8	Q2
IPI00217519	RALA	14.1	1.42E-84	-0.260	3	15.7	Q2
IPI00104050	THRAP3	24.3	6.18E-105	-0.259	14	15.0	Q2
IPI00796337	PCBP2	21.6	6.36E-166	-0.259	13	89.1	Q2
IPI00027223	IDH1	42	1.66E-193	-0.258	32	103.6	Q2
IPI00025156	STUB1	7.3	3.37E-05	-0.257	2	2.1	Q2
IPI00009236	CAV1	50	6.46E-153	-0.256	15	34.9	Q2
IPI00060181	EFHD2	24.2	3.25E-35	-0.254	5	11.4	Q2
IPI00827535	PTMA	35.1	7.25E-158	-0.253	5	19.0	Q2
IPI00795922	MRPS28	9.9	1.29E-05	-0.253	2	42.5	Q2
IPI00102815	NOC3L	4.9	6.40E-22	-0.253	2	28.0	Q2
IPI00294472	TMED5	9.6	2.22E-43	-0.253	2	29.2	Q2
IPI00023647	UBA6	26.5	3.36E-234	-0.253	22	24.4	Q2
IPI00021167	PRKRA	29.7	2.06E-108	-0.252	2	3.2	Q2
IPI00165949	ERAP1	18.6	2.92E-112	-0.252	11	8.1	Q2
IPI00902614	USP24	2.6	9.81E-17	-0.252	4	41.2	Q2
IPI00433279	SLFN5	18	1.58E-97	-0.252	15	26.2	Q2
IPI00185919	LARP1	18.9	1.11E-98	-0.251	12	11.3	Q2
IPI00024143	AAAS	4	8.60E-03	-0.251	2	17.4	Q2
IPI00023542	TMED9	32.8	1.57E-85	-0.251	5	19.2	Q2
IPI00828080	ARAP1	3.7	1.07E-23	-0.250	2	47.1	Q2
IPI00181728	BXDC2	9.1	4.40E-16	-0.250	3	7.4	Q2
IPI00056334	PRKCDBP	50.2	7.35E-130	-0.248	16	71.0	Q2
IPI00011898	EIF2B5	9.3	4.53E-22	-0.247	5	12.9	Q2
IPI00307162	VCL	68.3	<1.0E-304	-0.247	211	100.8	Q2
IPI00854642	PDS5A	3.2	2.69E-29	-0.246	2	9.8	Q2
IPI00001871	PAWR	13.8	1.75E-44	-0.246	4	30.2	Q2
IPI00011996	UBE2Z	4.8	4.35E-02	-0.246	2	1.3	Q2
IPI00300659	CDC73	7.2	9.12E-10	-0.245	2	0.0	Q2
IPI00008527	RPLP1	74.6	4.38E-102	-0.245	3	6.7	Q2
IPI00014263	EIF4H	53.6	4.41E-235	-0.244	9	10.2	Q2
IPI00815732	DKFZp781N1372	33.3	5.96E-156	-0.243	11	4.3	Q2

IPI00011201	ME2	15.9	8.93E-156	-0.243	5	14.6	Q2
IPI00007765	HSPA9	52.6	<1.0E-304	-0.240	39	67.4	Q2
IPI00432363	MACF1	6.2	<1.0E-304	-0.239	16	47.7	Q2
IPI00792352	RAN	46.2	6.26E-214	-0.239	23	126.8	Q2
IPI00290204	SNRNP70	23.6	1.17E-35	-0.238	10	21.8	Q2
IPI00871693	VAMP3	53	9.92E-134	-0.238	2	9.5	Q2
IPI00296909	PARP4	19.3	7.42E-189	-0.238	17	95.2	Q2
IPI00170935	LRRC47	29	3.48E-165	-0.237	9	14.4	Q2
IPI00054042	GTF2I	10.4	1.42E-40	-0.234	7	26.9	Q2
IPI00179438	DAB2	26.6	1.22E-117	-0.234	19	68.5	Q2
IPI00009896	EPHX1	28.6	5.26E-56	-0.233	11	9.9	Q2
IPI00032140	SERPINH1	59.8	<1.0E-304	-0.233	90	57.7	Q2
IPI00014312	CUL3	24.2	2.19E-118	-0.233	13	15.6	Q2
IPI00784013	JAK1	5.1	2.75E-18	-0.230	4	22.7	Q2
IPI00303300	FKBP10	37.1	<1.0E-304	-0.229	44	50.6	Q2
IPI00554541	ILVBL	18.4	4.19E-154	-0.229	3	44.7	Q2
IPI00009790	PFKP	45.7	<1.0E-304	-0.228	39	9.4	Q2
IPI00004962	GOLIM4	13.1	3.84E-53	-0.227	3	20.3	Q2
IPI00293009	RABEP1	4.8	1.26E-42	-0.227	2	3.2	Q2
IPI00549189	THOP1	20.2	1.96E-101	-0.227	10	14.7	Q2
IPI00219861	ACP1	27.2	9.01E-34	-0.226	2	3.8	Q2
IPI00418262	ALDOC	20	<1.0E-304	-0.225	7	8.2	Q2
IPI00027280	TOP2B	15.1	9.05E-180	-0.225	13	26.6	Q2
IPI00292134	EPS15	7.6	1.02E-39	-0.224	4	13.3	Q2
IPI00419249	PSMA3	47.5	3.25E-103	-0.224	10	16.4	Q2
IPI00328748	ARMET	38.9	5.24E-85	-0.223	11	25.5	Q2
IPI00009885	FKBP11	23.4	1.09E-69	-0.222	4	21.8	Q2
IPI00874235	ERGIC1	22.4	2.44E-36	-0.221	5	24.3	Q2
IPI00002372	ABCD3	15.3	7.57E-53	-0.221	3	12.8	Q2
IPI00792422	FAM21A	18.5	<1.0E-304	-0.221	7	12.6	Q2
IPI00102685	MYADM	12.1	3.34E-61	-0.221	7	57.4	Q2
IPI00003965	USP7	8.6	4.18E-20	-0.218	6	9.4	Q2
IPI00549725	PGAM1	78	<1.0E-304	-0.218	14	7.8	Q2

IPI00333771	CALD1	67.5	<1.0E-304	-0.217	72	34.1	Q2
IPI00007909	RABAC1	23.2	1.41E-10	-0.217	2	0.6	Q2
IPI00465028	TPI1	74.1	<1.0E-304	-0.215	32	21.9	Q2
IPI00009111	TPBG	18.6	7.75E-105	-0.215	6	6.3	Q2
IPI00032179	SERPINC1	19.6	2.77E-34	-0.214	11	196.7	Q2
IPI00009464	EXOSC10	2.6	1.37E-13	-0.213	2	48.5	Q2
IPI00218493	HPRT1	57.8	1.31E-170	-0.213	8	16.4	Q2
IPI00163849	EPS15L1	8.6	1.74E-13	-0.212	6	37.2	Q2
IPI00295487	KIF13A	2	4.33E-05	-0.212	2	59.3	Q2
IPI00046057	STXBP1	7.3	1.34E-23	-0.211	2	17.9	Q2
IPI00012772	RPL8	26.8	8.13E-50	-0.211	9	7.8	Q2
IPI00395627	CACYBP	57	3.59E-56	-0.210	4	29.7	Q2
IPI00301609	NEK9	17.1	5.68E-74	-0.209	12	51.1	Q2
IPI00477313	HNRNPC	38.2	1.89E-147	-0.208	27	70.7	Q2
IPI00414717	GLG1	21.4	1.78E-104	-0.207	15	37.3	Q2
IPI00020567	ARHGAP1	62.9	<1.0E-304	-0.206	19	85.8	Q2
IPI00016932	INPPL1	4.3	1.60E-15	-0.206	5	16.9	Q2
IPI00022648	EIF5	27.8	1.83E-86	-0.205	6	6.7	Q2
IPI00010720	CCT5	64.1	<1.0E-304	-0.205	28	14.4	Q2
IPI00001690	CUL7	1.9	6.40E-09	-0.205	2	20.2	Q2
IPI00218465	PLAA	20.1	2.15E-152	-0.205	9	20.6	Q2
IPI00219160	RPL34	36.8	9.14E-10	-0.203	8	8.7	Q2
IPI00216237	RPL36	30.5	1.31E-10	-0.203	8	16.2	Q2
IPI00220301	PRDX6	78.6	<1.0E-304	-0.202	23	34.8	Q2
IPI00154603	FGF2	6.2	1.16E-03	-0.202	6	26.0	Q2
IPI00015947	DNAJB1	22.9	5.15E-12	-0.201	4	26.2	Q2
IPI00657752	CD81	21.5	8.60E-141	-0.201	9	19.4	Q2
IPI00909773	UBE2L3	25.9	6.17E-212	-0.200	9	82.5	Q2
IPI00000811	PSMB6	17.6	1.02E-20	-0.200	4	5.9	Q2
IPI00878611	RANBP1	25.4	1.38E-32	-0.199	5	8.5	Q2
IPI00008240	MARS	26.6	<1.0E-304	-0.199	15	8.1	Q2
IPI00014533	UBTF	8	6.16E-19	-0.198	3	7.4	Q2
IPI00016249	FXR1	16.4	1.52E-85	-0.198	5	62.7	Q2

IPI00297982	EIF2S3	41.3	1.31E-272	-0.198	15	54.7	Q2
IPI00555647	TRA2B	15.6	7.71E-71	-0.198	4	6.8	Q2
IPI00059292	MAGOHB	49.3	2.73E-25	-0.198	3	12.0	Q2
IPI00021840	RPS6	33.3	5.17E-110	-0.196	8	11.4	Q2
IPI00290043	ITGA3	5.6	1.07E-24	-0.195	5	23.3	Q2
IPI00908913	hCG_2043421	28.6	2.18E-35	-0.194	4	33.6	Q2
IPI00291893	DCUN1D1	17.4	3.29E-68	-0.193	2	11.1	Q2
IPI00746360	RIC8A	24.3	1.44E-109	-0.193	7	21.6	Q2
IPI00293078	DDX27	9.5	1.65E-23	-0.192	5	22.0	Q2
IPI00020042	PSMC4	52.4	1.10E-277	-0.191	11	69.8	Q2
IPI00658155	MRPS34	13.3	2.52E-04	-0.191	3	30.6	Q2
IPI00217943	RAB6A	54.8	3.42E-125	-0.190	8	21.2	Q2
IPI00005657	PFDN6	24	3.05E-22	-0.189	3	3.6	Q2
IPI00871856	STIP1	55.4	<1.0E-304	-0.189	22	20.2	Q2
IPI00004312	STAT2	29.5	3.44E-227	-0.188	21	103.9	Q2
IPI00300504	UPF2	2.6	3.74E-04	-0.188	2	24.8	Q2
IPI00873403	RPL24	28.9	8.02E-48	-0.187	11	14.8	Q2
IPI00006970	MRPS2	7.5	7.07E-04	-0.187	2	31.5	Q2
IPI00604620	NCL	38.7	<1.0E-304	-0.186	53	42.9	Q2
IPI00790214	RCN2	18.8	4.01E-166	-0.186	4	7.9	Q2
IPI00008982	ALDH18A1	44.3	<1.0E-304	-0.186	29	39.0	Q2
IPI00443909	CNPY2	42.9	1.16E-126	-0.186	6	8.1	Q2
IPI00179713	IGF2BP2	32.7	3.52E-239	-0.185	16	13.2	Q2
IPI00790743	RPL36AL	34.1	3.84E-12	-0.184	7	7.4	Q2
IPI00007404	ATG7	4	5.21E-45	-0.184	2	9.7	Q2
IPI00022827	SLK	14.6	1.08E-62	-0.184	13	11.0	Q2
IPI00009607	RAP2C	4.9	7.47E-50	-0.183	2	5.6	Q2
IPI00470779	TXLNA	20.1	1.01E-30	-0.183	4	16.5	Q2
IPI00013949	SGTA	13.1	9.67E-25	-0.183	3	3.3	Q2
IPI00027175	SRI	23.7	3.15E-18	-0.182	5	13.5	Q2
IPI00013219	ILK	40.9	1.63E-96	-0.182	11	6.0	Q2
IPI00465233	EIF3EIP	41.8	<1.0E-304	-0.182	22	14.0	Q2
IPI00003348	GNB2	13.5	9.76E-211	-0.182	5	21.2	Q2

IPI00022265	CCDC22	25	1.50E-100	-0.182	5	27.8	Q2
IPI00871695	DEK	15.3	2.08E-23	-0.181	7	15.4	Q2
IPI00301364	SKP1	33.1	1.66E-84	-0.181	2	34.1	Q2
IPI00217056	LEPREL2	27.4	6.20E-216	-0.180	14	12.1	Q2
IPI00168479	APOA1BP	18.6	6.11E-108	-0.179	4	13.9	Q2
IPI00472442	PSMA1	55	7.76E-129	-0.178	8	11.6	Q2
IPI00915363	RPS24	16.3	3.78E-76	-0.176	7	15.3	Q2
IPI00016915	IGFBP7	16.3	2.15E-80	-0.176	2	2.8	Q2
IPI00220014	IDI1	13.7	3.48E-33	-0.176	4	3.1	Q2
IPI00791086	EIF3D	28.5	1.63E-185	-0.176	7	13.0	Q2
IPI00000051	PFDN1	23	2.80E-14	-0.175	2	14.0	Q2
IPI00031556	U2AF2	29.7	1.38E-212	-0.174	5	16.0	Q2
IPI00184311	ENPP1	3.9	2.44E-24	-0.174	2	26.2	Q2
IPI00792743	SLTM	2.3	5.05E-11	-0.173	2	18.3	Q2
IPI00029601	CTTN	47.6	<1.0E-304	-0.172	37	18.9	Q2
IPI00550689	C22orf28	23.8	2.18E-84	-0.171	9	18.7	Q2
IPI00009032	SSB	35	6.61E-98	-0.171	10	23.3	Q2
IPI00394737	OSBPL8	26.7	1.14E-205	-0.170	21	53.3	Q2
IPI00011689	EEF2K	3.2	2.48E-02	-0.170	2	2.2	Q2
IPI00465436	CAT	27.1	1.67E-193	-0.170	8	10.7	Q2
IPI00872817	GLIPR2	27.9	1.04E-88	-0.167	3	17.3	Q2
IPI00178440	EEF1B2	32.9	1.23E-146	-0.167	5	46.3	Q2
IPI00009320	TMEM85	26.8	2.30E-57	-0.167	2	5.7	Q2
IPI00394668	ADAR	12.7	2.00E-69	-0.166	9	13.6	Q2
IPI00005780	OGT	8.4	2.71E-21	-0.166	4	12.1	Q2
IPI00413100	PHLDB1	6	1.90E-51	-0.166	4	44.8	Q2
IPI00221222	SUB1	31.5	1.91E-44	-0.166	8	17.9	Q2
IPI00024642	CCDC47	15.7	2.45E-34	-0.166	3	10.4	Q2
IPI00003362	HSPA5	55.6	<1.0E-304	-0.165	103	59.2	Q2
IPI00470535	CACNA2D1	1.8	2.43E-06	-0.165	2	52.0	Q2
IPI00789101	PTGES3	37.6	6.24E-69	-0.164	5	5.8	Q2
IPI00302712	DYNC112	18.8	2.10E-161	-0.163	6	14.4	Q2
IPI00031691	RPL9	59.9	2.66E-170	-0.163	9	77.3	Q2

IPI00642584	KIAA0090	23.6	6.05E-118	-0.163	13	12.8	Q2
IPI00219155	RPL27	55.1	4.37E-29	-0.163	11	13.5	Q2
IPI00300074	FARSB	31.7	8.91E-111	-0.162	16	37.7	Q2
IPI00217831	ANKRD13A	13.4	5.40E-44	-0.161	2	13.8	Q2
IPI00008438	RPS10	46.7	1.68E-146	-0.161	11	7.0	Q2
IPI00382412	BCAT1	12.8	4.21E-28	-0.160	3	11.3	Q2
IPI00022745	MVD	8.5	2.11E-34	-0.160	2	5.4	Q2
IPI00014311	CUL2	19.4	2.66E-79	-0.160	6	12.1	Q2
IPI00872430	RPS8	55.3	2.38E-186	-0.160	16	66.0	Q2
IPI00008454	DNAJB11	7.8	5.55E-115	-0.159	3	5.6	Q2
IPI00925713	RPL10	48.3	3.71E-127	-0.159	17	63.3	Q2
IPI00027096	MRPL19	11.3	1.20E-04	-0.159	2	7.1	Q2
IPI00329672	MYO1E	19.6	1.03E-188	-0.159	16	116.3	Q2
IPI00014624	AP3S1	18.1	5.97E-40	-0.158	3	13.2	Q2
IPI00783736	PTMS	16.4	9.71E-17	-0.158	2	11.9	Q2
IPI00297211	SMARCA5	19.8	3.52E-53	-0.158	16	26.8	Q2
IPI00171903	HNRNPM	58.9	<1.0E-304	-0.158	63	32.3	Q2
IPI00328840	THOC4	34.1	4.35E-103	-0.158	5	29.8	Q2
IPI00020898	RPS6KA3	23.6	4.68E-54	-0.157	8	11.2	Q2
IPI00017375	SEC23A	52.3	<1.0E-304	-0.157	34	15.3	Q2
IPI00883647	IK	3.2	6.39E-05	-0.157	3	32.5	Q2
IPI00003519	EFTUD2	34.3	<1.0E-304	-0.156	22	9.9	Q2
IPI00102897	RABL3	12.7	3.22E-13	-0.155	2	6.6	Q2
IPI00215948	CTNNA1	59.4	<1.0E-304	-0.155	51	10.2	Q2
IPI00328318	AGL	7.1	8.41E-92	-0.155	3	34.8	Q2
IPI00219299	TLN2	14.9	<1.0E-304	-0.155	17	21.7	Q2
IPI00014577	RAB18	50.5	4.09E-114	-0.155	5	11.3	Q2
IPI00025273	GART	35.5	5.33E-257	-0.155	24	8.2	Q2
IPI00399265	TPD52L2	55.9	<1.0E-304	-0.153	14	13.8	Q2
IPI00026268	GNB1	33.2	2.91E-265	-0.153	12	76.3	Q2
IPI00018140	SYNCRIP	41.1	3.64E-298	-0.153	36	54.2	Q2
IPI00009822	SRP54	29.6	8.15E-162	-0.153	2	7.3	Q2
IPI00013455	CLIP1	10.7	1.32E-64	-0.152	9	41.0	Q2

IPI00012578	KPNA4	15.4	4.87E-148	-0.152	4	24.4	Q2
IPI00182540	CTNND1	38.1	1.09E-300	-0.152	25	16.0	Q2
IPI00219729	SLC25A11	38.9	1.38E-65	-0.151	7	70.6	Q2
IPI00216008	G6PD	55.3	9.39E-226	-0.150	33	30.1	Q2
IPI00008569	YKT6	43.4	1.92E-119	-0.150	8	61.0	Q2
IPI00296147	TMEM119	12.4	4.08E-39	-0.150	5	23.5	Q2
IPI00413160	TRIOBP	5.1	2.55E-88	-0.150	6	9.8	Q2
IPI00005613	U2AF1	25.8	2.27E-98	-0.149	7	30.4	Q2
IPI00240812	PDS5B	7.8	8.68E-40	-0.148	7	13.6	Q2
IPI00328319	RBBP4	21.2	1.26E-77	-0.148	7	15.7	Q2
IPI00022824	SH3GLB1	26.9	1.96E-63	-0.148	9	12.9	Q2
IPI00294891	NOP2	10.8	1.84E-52	-0.148	6	6.2	Q2
IPI00797603	PRPSAP1	15.1	6.69E-37	-0.146	2	15.3	Q2
IPI00465361	RPL13	52.6	2.28E-42	-0.146	15	116.5	Q2
IPI00107555	PFN2	24.5	7.10E-41	-0.146	3	12.5	Q2
IPI00013271	DERL1	16.3	4.85E-19	-0.146	3	5.3	Q2
IPI00017704	COTL1	59.9	1.51E-75	-0.145	11	22.7	Q2
IPI00411680	PCMT1	31.6	4.19E-154	-0.144	4	26.0	Q2
IPI00218486	SSH3	5.3	1.96E-02	-0.144	3	9.8	Q2
IPI00793443	IPO5	41.7	<1.0E-304	-0.144	50	45.2	Q2
IPI00217920	ALDH16A1	11.7	1.70E-49	-0.143	3	5.6	Q2
IPI00456630	FNDC3A	2.5	4.33E-03	-0.143	2	38.3	Q2
IPI00747764	KPNA6	15.5	3.89E-138	-0.143	7	35.3	Q2
IPI00006211	VAPB	29.2	1.50E-60	-0.143	3	14.0	Q2
IPI00100151	XRN2	12.6	1.02E-93	-0.143	7	13.8	Q2
IPI00643342	PEA15	54.3	5.99E-180	-0.143	9	40.5	Q2
IPI00183626	PTBP1	54.9	<1.0E-304	-0.143	26	82.0	Q2
IPI00759799	HBEBP2BPA	11.4	8.73E-19	-0.142	3	58.4	Q2
IPI00479905	NDUFB10	36.6	1.41E-35	-0.142	3	9.5	Q2
IPI00018627	NAT13	33.7	1.27E-23	-0.142	5	16.4	Q2
IPI00477155	GTPBP4	12.5	1.43E-20	-0.141	3	10.6	Q2
IPI00027626	CCT6A	47.8	<1.0E-304	-0.141	35	38.0	Q2
IPI00152377	STT3B	8.6	8.12E-56	-0.141	7	26.4	Q2

IPI00873222	CCT4	61.6	<1.0E-304	-0.140	36	35.4	Q2
IPI00100796	CHMP5	11.4	1.18E-20	-0.139	3	16.6	Q2
IPI00893746	NHP2L1	37.1	3.81E-32	-0.139	5	13.2	Q2
IPI00030275	TRAP1	18.5	6.91E-107	-0.139	4	9.9	Q2
IPI00719680	AP3D1	19.7	9.99E-208	-0.138	13	13.6	Q2
IPI00025039	FBL	29.9	1.66E-22	-0.138	5	6.4	Q2
IPI00215884	SFRS1	43.5	8.02E-121	-0.137	11	21.0	Q2
IPI00016513	RAB10	45.5	5.16E-58	-0.137	8	16.8	Q2
IPI00010460	AIP	20.3	2.48E-23	-0.137	4	6.2	Q2
IPI00000001	STAU1	6.2	5.61E-30	-0.137	2	13.7	Q2
IPI00410693	SERBP1	37.7	2.82E-152	-0.136	9	12.0	Q2
IPI00298558	PDCD10	23.6	4.43E-18	-0.135	4	10.2	Q2
IPI00294211	DHX38	4.2	1.94E-46	-0.134	3	17.7	Q2
IPI00013774	HDAC1	17	1.97E-48	-0.134	3	9.2	Q2
IPI00029012	EIF3A	49.6	<1.0E-304	-0.134	62	41.2	Q2
IPI00000643	BAG2	40.3	9.98E-82	-0.134	9	21.2	Q2
IPI00746351	DIS3	9.6	2.17E-50	-0.133	3	15.6	Q2
IPI00158615	THOC2	2.5	2.94E-14	-0.133	3	1.2	Q2
IPI00010438	SNAP23	40.8	9.77E-72	-0.132	4	17.9	Q2
IPI00010136	CTBP2	8.5	2.49E-21	-0.132	6	16.2	Q2
IPI00024466	UGCGL1	39.5	<1.0E-304	-0.131	51	30.5	Q2
IPI00794956	SCFD1	30.8	<1.0E-304	-0.131	8	6.3	Q2
IPI00003704	RBM4	11.8	1.13E-05	-0.130	2	19.7	Q2
IPI00301280	TMEM43	41.2	5.95E-142	-0.130	8	9.8	Q2
IPI00059242	SYAP1	6.5	4.98E-46	-0.130	2	22.1	Q2
IPI00419258	HMGB1	51.6	1.16E-227	-0.130	14	17.3	Q2
IPI00019169	SH3GL1	31	3.27E-172	-0.129	7	20.3	Q2
IPI00642904	PABPC4	16.1	<1.0E-304	-0.129	10	36.6	Q2
IPI00894395	PSMB9	21	2.94E-13	-0.129	3	18.1	Q2
IPI00010204	SFRS3	43.3	7.48E-48	-0.128	13	10.2	Q2
IPI00871843	TGM2	48.3	<1.0E-304	-0.128	53	135.6	Q2
IPI00069750	PUF60	27.9	8.62E-91	-0.128	8	9.3	Q2
IPI00002525	NENF	20.3	9.05E-28	-0.127	3	63.0	Q2

IPI00018246	HK1	48.9	<1.0E-304	-0.127	59	88.7	Q2
IPI00297492	STT3A	22.3	5.73E-127	-0.126	23	61.6	Q2
IPI00470649	NCLN	13.3	2.14E-45	-0.126	5	7.2	Q2
IPI00030877	40436	23	2.68E-62	-0.126	3	21.9	Q2
IPI00455210	CHD4	13.1	1.46E-175	-0.126	15	22.2	Q2
IPI00030847	TM9SF3	11.2	1.97E-12	-0.125	4	15.8	Q2
IPI00748145	GNAI2	47.9	7.66E-259	-0.125	18	7.9	Q2
IPI00376005	EIF5A	60.9	<1.0E-304	-0.124	27	13.5	Q2
IPI00019407	NSDHL	21.4	1.25E-34	-0.124	5	7.1	Q2
IPI00016613	CSNK2A1	21.7	9.44E-73	-0.124	6	6.7	Q2
IPI00796333	ALDOA	71.3	<1.0E-304	-0.124	45	19.8	Q2
IPI00011619	PAPSS1	8.7	2.19E-74	-0.123	3	11.2	Q2
IPI00030131	TMPO	34.8	1.30E-130	-0.123	14	17.4	Q2
IPI00640703	XPO5	2.8	1.28E-10	-0.122	3	3.5	Q2
IPI00013683	TUBB3	27.6	<1.0E-304	-0.122	24	61.8	Q2
IPI00169383	PGK1	83.2	<1.0E-304	-0.122	69	54.4	Q2
IPI00456969	DYNC1H1	54	<1.0E-304	-0.121	402	93.9	Q2
IPI00216951	DARS	47.5	3.94E-116	-0.120	14	9.8	Q2
IPI00514501	C1orf57	29.8	3.92E-28	-0.120	2	4.3	Q2
IPI00007423	ANP32B	37.1	6.24E-143	-0.120	15	8.7	Q2
IPI00016339	RAB5C	47.7	3.40E-227	-0.119	13	36.9	Q2
IPI00026833	ADSS	17.8	4.54E-91	-0.119	4	14.3	Q2
IPI00741970	STRN4	2.9	1.94E-11	-0.119	2	9.3	Q2
IPI00017842	TP53I11	9.4	2.97E-04	-0.118	3	27.3	Q2
IPI00456758	RPL27A	37.8	1.72E-35	-0.118	5	9.5	Q2
IPI00294065	GOLGA5	6.4	3.08E-26	-0.118	4	17.5	Q2
IPI00186969	SCYL1	15.6	1.25E-76	-0.118	6	6.1	Q2
IPI00298961	XPO1	40.6	<1.0E-304	-0.117	41	28.1	Q2
IPI00297084	DDOST	38.4	5.57E-212	-0.117	22	52.6	Q2
IPI00217030	RPS4X	68.4	6.66E-219	-0.116	27	35.7	Q2
IPI00018873	NAMPT	37.1	<1.0E-304	-0.116	10	11.2	Q2
IPI00006379	NOP58	23.4	2.14E-153	-0.116	8	14.4	Q2
IPI00005978	SFRS2	28.1	2.11E-100	-0.116	3	4.5	Q2

IPI00217553	MRPL41	23.4	8.36E-04	-0.116	2	22.8	Q2
IPI00168388	SRP68	30.1	5.88E-115	-0.115	10	14.8	Q2
IPI00026154	PRKCSH	43.6	1.83E-200	-0.115	31	10.4	Q2
IPI00219153	RPL22	59.4	2.54E-73	-0.115	7	9.4	Q2
IPI00657805	XRN1	2.5	2.08E-08	-0.113	4	13.2	Q2
IPI00908416	EIF4E	23	1.47E-30	-0.113	4	10.5	Q2
IPI00549248	NPM1	49.3	<1.0E-304	-0.113	28	49.2	Q2
IPI00293616	DDX3Y	8.2	<1.0E-304	-0.112	2	2.3	Q2
IPI00015602	TOMM70A	19.9	7.83E-134	-0.112	9	8.4	Q2
IPI00002520	SHMT2	38.1	9.46E-178	-0.112	15	10.7	Q2
IPI00025160	VAC14	25.6	2.08E-129	-0.111	16	9.0	Q2
IPI00783302	PTCD3	11.6	1.66E-59	-0.111	2	2.4	Q2
IPI00305267	GOLGA3	27.4	<1.0E-304	-0.111	16	13.5	Q2
IPI00002790	SEL1L	4.9	2.23E-28	-0.110	4	59.9	Q2
IPI00011937	PRDX4	34.3	3.18E-126	-0.110	13	38.7	Q2
IPI00220154	MYO5A	3.6	2.68E-21	-0.109	3	15.4	Q2
IPI00290460	EIF3G	17.5	1.04E-58	-0.109	4	7.2	Q2
IPI00219029	GOT1	41.9	5.52E-241	-0.109	12	6.7	Q2
IPI00008530	RPLP0	57.4	3.62E-297	-0.108	26	66.0	Q2
IPI00655650	RPS26	27	2.00E-33	-0.108	4	10.4	Q2
IPI00873899	ABCF1	15.7	2.60E-151	-0.107	14	15.1	Q2
IPI00002408	RPAP3	3.6	1.32E-06	-0.107	2	5.3	Q2
IPI00926648	APEH	25.9	1.85E-260	-0.107	16	20.0	Q2
IPI00788907	PGAM5	14.5	4.55E-03	-0.106	2	25.2	Q2
IPI00025512	HSPB1	87.3	<1.0E-304	-0.105	46	82.1	Q2
IPI00914529	RPL28	28.4	2.56E-20	-0.105	7	8.1	Q2
IPI00220278	MYL9	46.5	<1.0E-304	-0.105	2	2.2	Q2
IPI00017963	SNRPD2	67.8	5.66E-41	-0.105	7	10.1	Q2
IPI00292537	NFKB1	4.9	3.73E-14	-0.105	2	1.0	Q2
IPI00221394	DKC1	11.1	7.85E-26	-0.104	3	13.9	Q2
IPI00844578	DHX9	43.5	<1.0E-304	-0.104	65	60.1	Q2
IPI00303195	SYNC	6.8	1.31E-25	-0.104	2	7.1	Q2
IPI00020075	ABHD10	19	1.81E-88	-0.104	3	50.4	Q2

IPI00011916	AIMP2	16.9	2.45E-31	-0.104	5	5.8	Q2
IPI00291093	POLR2E	26.2	3.58E-68	-0.104	2	6.8	Q2
IPI00026262	RASA1	7.7	5.13E-65	-0.104	3	3.7	Q2
IPI00009950	LMAN2	41	1.13E-193	-0.104	10	37.0	Q2
IPI00010860	PSMD9	45.3	1.73E-42	-0.104	7	11.2	Q2
IPI00028083	EIF2B2	5.1	2.76E-91	-0.104	2	3.8	Q2
IPI00074587	FUSIP1	17.2	1.02E-69	-0.104	5	10.5	Q2
IPI00555744	RPL14	37.3	2.81E-152	-0.103	14	46.7	Q2
IPI00010845	NDUFS8	14.8	2.98E-09	-0.103	3	13.1	Q2
IPI00020984	CANX	41.6	<1.0E-304	-0.103	50	40.7	Q2
IPI00413108	RPSA	56.7	<1.0E-304	-0.103	20	50.7	Q2
IPI00002252	CD68	8.5	2.52E-61	-0.102	2	12.3	Q2
IPI00004273	RBM25	10.8	1.37E-29	-0.102	5	23.2	Q2
IPI00238218	GIT2	9.1	1.87E-28	-0.102	4	6.8	Q2
IPI00645446	MCTS1	46.7	9.97E-120	-0.102	8	7.1	Q2
IPI00419891	SCFD2	6.9	9.60E-12	-0.102	2	11.4	Q2
IPI00030328	SRR	13.8	3.11E-63	-0.101	2	7.4	Q2
IPI00797126	NACA	7.6	7.40E-178	-0.101	14	16.5	Q2
IPI00376689	KIAA1199	28.3	1.06E-135	-0.100	16	17.2	Q2
IPI00218487	GJA1	10.2	8.69E-14	-0.100	2	10.5	Q2
IPI00022810	CTSC	3.9	2.05E-08	-0.099	2	14.7	Q2
IPI00006980	C14orf166	53.3	1.54E-169	-0.098	9	12.6	Q2
IPI00215901	AK2	68.6	1.17E-108	-0.098	6	13.9	Q2
IPI00217975	LMNB1	51.7	<1.0E-304	-0.098	20	11.5	Q2
IPI00027200	NPR1	1.4	3.54E-02	-0.098	2	48.8	Q2
IPI00827508	RPL10A	51.6	3.22E-138	-0.098	9	26.9	Q2
IPI00010080	OXSRI	20.7	2.40E-189	-0.097	5	20.0	Q2
IPI00010105	EIF6	32.7	5.01E-159	-0.097	6	16.9	Q2
IPI00307155	ROCK2	19.4	1.87E-198	-0.097	17	15.5	Q2
IPI00021435	PSMC2	58.7	9.02E-230	-0.096	18	9.8	Q2
IPI00000875	EEF1G	43.7	6.97E-168	-0.096	38	103.5	Q2
IPI00215919	ARF5	31.7	1.59E-150	-0.095	3	4.9	Q2
IPI00396630	PRKACA	26.5	3.31E-65	-0.095	6	6.4	Q2

IPI00643567	CAP1	18.2	<1.0E-304	-0.095	3	154.3	Q2
IPI00375144	SRRT	26	1.57E-64	-0.095	10	7.1	Q2
IPI00032826	ST13	27.4	5.32E-126	-0.094	10	30.9	Q2
IPI00009960	IMMT	45.5	<1.0E-304	-0.094	25	58.1	Q2
IPI00011229	CTSD	48.3	<1.0E-304	-0.094	32	45.7	Q2
IPI00218606	RPS23	29.4	4.28E-22	-0.094	7	21.4	Q2
IPI00009904	PDIA4	53.3	<1.0E-304	-0.094	50	13.8	Q2
IPI00013862	DTYMK	36.8	1.33E-44	-0.093	5	10.6	Q2
IPI00479306	PSMB5	46	1.16E-123	-0.092	5	14.2	Q2
IPI00217952	GFPT1	51.4	<1.0E-304	-0.092	18	8.6	Q2
IPI00783109	MTSS1L	7.2	3.32E-10	-0.091	2	3.4	Q2
IPI00008274	CAP1	65.9	<1.0E-304	-0.091	67	115.6	Q2
IPI00219129	NQO2	36.4	7.75E-69	-0.091	4	16.3	Q2
IPI00026530	LMAN1	21.2	1.37E-55	-0.091	7	106.0	Q2
IPI00303568	PTGES2	15.9	1.16E-20	-0.090	3	171.8	Q2
IPI00438286	ERBB2IP	8	6.70E-45	-0.090	4	7.8	Q2
IPI00396321	LRRCS9	43.3	4.78E-184	-0.089	18	55.6	Q2
IPI00166749	PMPCA	4.8	9.81E-20	-0.088	2	2.6	Q2
IPI00012442	G3BP1	32	5.67E-228	-0.087	7	24.3	Q2
IPI00029623	PSMA6	52.8	1.69E-167	-0.086	13	43.8	Q2
IPI00021370	UBE2K	39.5	5.09E-49	-0.086	5	16.6	Q2
IPI00014398	FHL1	42.1	5.57E-149	-0.086	13	8.3	Q2
IPI00031169	RAB2A	61.8	5.82E-173	-0.086	13	13.6	Q2
IPI00031517	MCM6	16.6	3.82E-79	-0.085	10	16.1	Q2
IPI00168878	TOR1AIP2	9.8	6.53E-23	-0.084	2	19.0	Q2
IPI00141318	CKAP4	66.6	<1.0E-304	-0.084	87	47.1	Q2
IPI00644079	HNRNPU	39.4	<1.0E-304	-0.084	45	46.1	Q2
IPI00021570	EDF1	36.5	4.68E-59	-0.083	4	5.6	Q2
IPI00290928	GNA13	13.5	2.64E-66	-0.082	2	8.3	Q2
IPI00010414	PDLIM1	50.8	2.08E-262	-0.082	12	8.0	Q2
IPI00641950	GNB2L1	68.2	<1.0E-304	-0.082	27	63.5	Q2
IPI00018783	ITPA	22.2	1.49E-48	-0.081	3	9.1	Q2
IPI00183603	OSTC	14.1	2.47E-20	-0.081	4	21.4	Q2

IPI00749005	SYNE1	5.8	7.57E-114	-0.080	24	59.7	Q2
IPI00413611	TOP1	21.2	7.58E-42	-0.080	13	11.6	Q2
IPI00013679	DUT	25.8	3.98E-136	-0.080	7	13.4	Q2
IPI00016608	TMED2	27.4	2.17E-16	-0.079	4	10.1	Q2
IPI00017256	RSU1	55.2	2.61E-147	-0.078	13	16.7	Q2
IPI00000690	AIFM1	22.8	1.68E-106	-0.078	8	13.8	Q2
IPI00332493	PLEKHO2	13.7	4.69E-41	-0.078	4	70.9	Q2
IPI00924713	PCYT1A	13.2	1.13E-20	-0.077	3	7.6	Q2
IPI00419373	HNRNPA3	34.9	2.54E-266	-0.077	13	8.9	Q2
IPI00023086	MRPL15	13.5	2.35E-06	-0.077	4	14.1	Q2
IPI00300697	VPS11	15	1.54E-51	-0.077	10	20.0	Q2
IPI00794402	ARHGDI A	47.8	5.69E-293	-0.076	13	89.2	Q2
IPI00013468	BUB3	26.2	2.33E-36	-0.076	6	6.3	Q2
IPI00019385	SSR4	34.8	8.20E-94	-0.076	7	8.3	Q2
IPI00743104	ITGA1	7.7	8.65E-27	-0.076	4	10.5	Q2
IPI00398708	KLC1	35.4	2.25E-113	-0.075	15	14.8	Q2
IPI00386189	NARG1	22.3	1.71E-91	-0.074	18	11.9	Q2
IPI00017184	EHD1	54.7	5.72E-248	-0.074	24	52.3	Q2
IPI00219616	PRPS1	28.9	6.85E-53	-0.074	8	8.4	Q2
IPI00219097	HMGB2	23.4	1.49E-63	-0.074	3	10.6	Q2
IPI00465248	ENO1	81.8	<1.0E-304	-0.074	103	46.5	Q2
IPI00328154	UBA3	9.5	2.38E-29	-0.073	2	14.2	Q2
IPI00221093	RPS17	57	5.10E-166	-0.073	13	7.5	Q2
IPI00032830	REXO2	31.2	8.48E-76	-0.073	6	9.8	Q2
IPI00441473	PRMT5	14.6	5.32E-64	-0.073	7	13.6	Q2
IPI00305978	AKR7A2	24.8	1.16E-179	-0.072	7	11.8	Q2
IPI00420014	SNRNP200	33.7	<1.0E-304	-0.072	50	47.9	Q2
IPI00299063	STIM1	8.2	9.37E-23	-0.072	4	7.2	Q2
IPI00026314	GSN	51.3	<1.0E-304	-0.072	73	120.3	Q2
IPI00418497	TIMM50	14.3	8.38E-37	-0.072	4	13.6	Q2
IPI00301021	SSR1	11.9	7.66E-77	-0.071	7	39.2	Q2
IPI00000874	PRDX1	67.8	8.74E-252	-0.071	37	14.0	Q2
IPI00010346	NLN	17	3.43E-68	-0.071	10	8.5	Q2

IPI00303207	ABCE1	34.9	1.87E-303	-0.070	14	7.9	Q2
IPI00396387	GNL1	15.5	3.36E-96	-0.070	4	43.9	Q2
IPI00299573	RPL7A	47.4	1.46E-169	-0.070	15	10.8	Q2
IPI00001960	CLIC4	85.4	<1.0E-304	-0.068	23	13.0	Q2
IPI00219518	ARL1	30.9	1.20E-56	-0.068	3	13.7	Q2
IPI00025491	EIF4A1	69.2	<1.0E-304	-0.068	38	58.9	Q2
IPI00604777	DPP9	11.2	1.43E-18	-0.067	7	24.3	Q2
IPI00219622	PSMA2	56.8	1.49E-274	-0.067	10	9.4	Q2
IPI00298793	MANBA	3.1	3.88E-13	-0.067	2	6.1	Q2
IPI00291928	RAB14	62.8	8.07E-186	-0.067	21	15.4	Q2
IPI00006865	SEC22B	64.2	3.79E-259	-0.066	18	16.9	Q2
IPI00927682	RAB3GAP1	17.2	1.14E-57	-0.066	6	23.0	Q2
IPI00333068	ARPC1A	14.9	5.45E-33	-0.065	4	11.7	Q2
IPI00844172	MYO6	18.3	3.64E-189	-0.065	8	19.7	Q2
IPI00872940	RPL30	68.7	2.59E-194	-0.064	13	14.4	Q2
IPI00023640	PDCD5	60.8	2.35E-50	-0.064	7	25.6	Q2
IPI00295098	SRPRB	63.5	5.49E-201	-0.063	10	13.3	Q2
IPI00024933	RPL12	63.6	7.08E-204	-0.063	13	16.3	Q2
IPI00004669	GALNT2	22.8	2.24E-136	-0.063	8	50.5	Q2
IPI00014310	CUL1	23.7	4.92E-113	-0.063	13	36.7	Q2
IPI00304692	RBMX	34	7.04E-102	-0.062	22	21.2	Q2
IPI00607591	RAP1GDS1	40	3.93E-225	-0.062	12	7.9	Q2
IPI00910593	CNN2	60.9	3.68E-301	-0.062	30	77.4	Q2
IPI00025019	PSMB1	51.5	2.22E-234	-0.062	16	11.1	Q2
IPI00022305	BZW2	15.8	6.34E-66	-0.061	2	0.1	Q2
IPI00034277	ATP13A1	12.5	6.51E-42	-0.061	7	14.9	Q2
IPI00844000	KIAA0776	34.3	9.36E-201	-0.061	17	18.9	Q2
IPI00296337	PRKDC	37.8	<1.0E-304	-0.061	197	69.4	Q2
IPI00784414	STAT3	42.9	<1.0E-304	-0.060	19	8.3	Q2
IPI00013415	RPS7	67	5.38E-129	-0.058	19	13.6	Q2
IPI00022542	ROCK1	16.8	1.23E-124	-0.058	9	25.4	Q2
IPI00719752	EIF3B	39.2	3.59E-299	-0.058	27	20.2	Q2
IPI00219678	EIF2S1	50.5	5.25E-106	-0.058	13	9.4	Q2

IPI00873410	CNN3	38.4	<1.0E-304	-0.056	19	56.4	Q2
IPI00005202	PGRMC2	19.4	8.72E-88	-0.056	8	21.1	Q2
IPI00030706	AHSA1	26.6	2.31E-87	-0.056	4	7.9	Q2
IPI00856045	AHNAK2	41.1	<1.0E-304	-0.055	77	99.4	Q2
IPI00465432	NOMO2	31.3	<1.0E-304	-0.055	21	16.3	Q2
IPI00026272	HIST1H2AB	8.5	1.36E-134	-0.055	3	7.7	Q2
IPI00607554	USP47	6.1	1.00E-27	-0.055	3	5.9	Q2
IPI00479262	EIF4G1	27.5	<1.0E-304	-0.053	46	55.5	Q2
IPI00643747	C22orf30	0.8	3.36E-02	-0.052	2	3.8	Q2
IPI00096066	SUCLG2	22	2.14E-179	-0.052	5	20.1	Q2
IPI00018465	CCT7	65.6	<1.0E-304	-0.052	39	8.2	Q2
IPI00328236	VPS39	7.8	2.43E-42	-0.051	4	56.1	Q2
IPI00872214	TBCA	49.3	9.09E-34	-0.051	9	42.8	Q2
IPI00009374	GSKIP	19.4	5.99E-03	-0.051	2	3.3	Q2
IPI00008380	PPP2CA	34	1.84E-127	-0.051	6	5.4	Q2
IPI00220766	GLO1	51.1	8.26E-127	-0.051	14	50.9	Q2
IPI00002557	COPG2	18.3	6.13E-213	-0.051	10	16.3	Q2
IPI00472939	SPCS2	45.8	1.49E-118	-0.050	9	29.5	Q2
IPI00658097	HMG1N1	25	2.18E-57	-0.050	2	6.7	Q2
IPI00927658	RPL32	39.2	1.93E-17	-0.050	5	4.2	Q2
IPI00022403	MRPL13	20.8	2.61E-07	-0.050	3	13.5	Q2
IPI00024664	USP5	38.7	<1.0E-304	-0.050	29	48.5	Q2
IPI00163505	RBM39	19.4	2.68E-215	-0.050	9	17.7	Q2
IPI00216694	PLS3	67.1	<1.0E-304	-0.049	58	65.5	Q2
IPI00647650	EIF3H	29.8	1.80E-48	-0.049	8	24.2	Q2
IPI00291646	MTHFD1L	17.7	6.04E-133	-0.049	7	6.6	Q2
IPI00012835	CTBP1	13	1.44E-50	-0.049	2	5.8	Q2
IPI00014572	SPARC	26.1	9.58E-69	-0.048	10	10.6	Q2
IPI00215637	DDX3X	48.3	<1.0E-304	-0.048	21	18.6	Q2
IPI00783378	UBE2O	3.9	9.49E-14	-0.048	3	58.9	Q2
IPI00815713	TCOF1	3.1	3.24E-12	-0.047	5	81.9	Q2
IPI00742682	TPR	23.7	<1.0E-304	-0.047	27	13.3	Q2
IPI00107104	CXorf26	21.9	1.14E-24	-0.047	4	11.2	Q2

IPI00024821	PSMD14	44.8	1.60E-71	-0.046	4	14.8	Q2
IPI00028055	TMED10	29.2	2.82E-197	-0.046	15	12.2	Q2
IPI00007102	C17orf25	17.1	2.24E-44	-0.046	6	14.4	Q2
IPI00305438	VPS16	12.6	1.60E-146	-0.045	7	14.6	Q2
IPI00000030	PPP2R5D	15.4	1.15E-32	-0.045	4	7.4	Q2
IPI00477495	H2BFS	58.7	6.89E-74	-0.044	33	16.5	Q2
IPI00000948	TBL2	26.2	2.60E-103	-0.044	5	7.7	Q2
IPI00909484	CDC42	34.3	9.72E-120	-0.044	8	13.1	Q2
IPI00216319	YWHAH	44.3	1.48E-243	-0.043	11	12.0	Q2
IPI00007402	IPO7	25.7	<1.0E-304	-0.043	21	10.4	Q2
IPI00642971	EEF1D	18.9	2.11E-186	-0.042	17	24.5	Q2
IPI00872261	AHCYL1	15.7	5.73E-13	-0.042	6	9.9	Q2
IPI00003515	TRIP11	1.8	3.75E-06	-0.042	3	28.9	Q2
IPI00016912	TTC1	14.4	8.32E-31	-0.042	4	9.0	Q2
IPI00219757	GSTP1	61	<1.0E-304	-0.041	23	17.7	Q2
IPI00014238	KARS	37	3.49E-167	-0.041	14	12.1	Q2
IPI00295851	COPB1	43.8	<1.0E-304	-0.041	40	49.7	Q2
IPI00024934	MUT	8.5	5.78E-23	-0.041	5	4.3	Q2
IPI00005861	PRPF3	7.9	2.00E-15	-0.041	4	28.6	Q2
IPI00305551	GNA11	30.9	1.62E-111	-0.041	7	6.5	Q2
IPI00332511	PPP2R2A	16.1	1.78E-70	-0.041	4	9.1	Q2
IPI00016610	PCBP1	41	9.37E-207	-0.040	23	74.7	Q2
IPI00784090	CCT8	54.9	<1.0E-304	-0.040	27	36.1	Q2
IPI00384689	PDXDC1	16.9	5.21E-187	-0.040	6	4.9	Q2
IPI00015944	EML2	7.9	5.36E-24	-0.040	3	1.9	Q2
IPI00300585	RRAGC	19.3	1.53E-32	-0.039	3	5.0	Q2
IPI00003933	HAGH	5.8	7.38E-04	-0.039	2	24.9	Q2
IPI00026970	SUPT16H	19.7	2.48E-167	-0.038	12	17.8	Q2
IPI00219445	PSME3	24.7	1.46E-75	-0.038	5	18.5	Q2
IPI00293260	DNAJC10	18.2	2.89E-147	-0.038	10	6.0	Q2
IPI00000005	NRAS	44.4	3.44E-50	-0.038	4	10.4	Q2
IPI00290305	TP53RK	22.1	5.66E-10	-0.037	2	6.5	Q2
IPI00384643	TP53I3	24.1	9.30E-61	-0.037	7	38.4	Q2

IPI00025815	TARDBP	18	7.73E-127	-0.037	4	5.7	Q2
IPI00872177	PPP1CB	16.1	<1.0E-304	-0.037	5	84.0	Q2
IPI00026328	TXNDC12	17.4	1.14E-13	-0.036	3	23.2	Q2
IPI00290142	CTPS	33.8	<1.0E-304	-0.036	14	30.7	Q2
IPI00410162	TCEB2	43.5	4.90E-31	-0.036	5	6.9	Q2
IPI00003217	PSMB7	26	5.81E-23	-0.035	4	6.7	Q2
IPI00479722	PSME1	58.6	5.04E-243	-0.035	12	16.5	Q2
IPI00554737	PPP2R1A	50.4	<1.0E-304	-0.034	31	10.9	Q2
IPI00020956	HDGF	23.3	6.80E-56	-0.034	5	5.2	Q2
IPI00744851	HMGA1	7.6	5.46E-04	-0.034	3	17.0	Q2
IPI00785113	LRRFIP1	10.3	1.43E-68	-0.033	2	21.2	Q2
IPI00010201	PSMD8	20.9	9.11E-88	-0.033	7	17.9	Q2
IPI00301936	ELAVL1	33.7	4.30E-155	-0.032	7	7.5	Q2
IPI00555597	PTRH2	22.2	2.53E-39	-0.032	3	12.5	Q2
IPI00219682	STOM	45.1	<1.0E-304	-0.032	16	54.9	Q2
IPI00332499	NASP	5.9	2.03E-14	-0.032	5	22.0	Q2
IPI00172513	APPL2	27.9	5.06E-188	-0.032	5	33.2	Q2
IPI00215780	RPS19	64.8	6.89E-74	-0.031	14	9.0	Q2
IPI00023510	RAB5A	35.3	1.11E-94	-0.031	3	9.2	Q2
IPI00306667	CNP	13.3	8.80E-52	-0.031	4	12.8	Q2
IPI00412243	KIAA1609	18.4	1.24E-44	-0.031	2	25.7	Q2
IPI00008207	MAN1B1	12.3	1.37E-115	-0.030	4	22.6	Q2
IPI00020887	VAMP7	17.3	4.11E-28	-0.029	3	39.4	Q2
IPI00026302	RPL31	53.6	2.11E-46	-0.029	9	14.4	Q2
IPI00294955	LSM4	25.2	7.13E-65	-0.028	3	25.6	Q2
IPI00019004	SEC62	5	7.93E-03	-0.027	2	8.2	Q2
IPI00644231	CYFIP1	29.2	<1.0E-304	-0.027	34	39.8	Q2
IPI00015018	PPA1	44.6	1.54E-188	-0.027	11	6.6	Q2
IPI00908768	HSPB6	43.9	1.67E-76	-0.027	6	19.4	Q2
IPI00289876	STX7	34.9	6.15E-96	-0.027	3	15.2	Q2
IPI00014377	RAB32	57.3	3.25E-65	-0.027	5	14.4	Q2
IPI00644708	TIAL1	17.1	6.63E-52	-0.025	7	21.5	Q2
IPI00000581	OTUB1	34.1	2.06E-106	-0.025	10	12.8	Q2

IPI00783874	HDHD2	8.1	2.04E-09	-0.024	2	18.3	Q2
IPI00024175	PSMA7	46.4	3.75E-187	-0.024	14	10.7	Q2
IPI00297626	STXBP3	9.5	1.47E-21	-0.024	3	3.8	Q2
IPI00419880	RPS3A	61.7	3.44E-191	-0.024	24	14.7	Q2
IPI00397366	PPFIBP1	18.2	1.31E-95	-0.024	6	17.3	Q2
IPI00182757	KIAA1967	37.8	<1.0E-304	-0.023	14	9.6	Q2
IPI00009747	LSS	31.1	1.35E-231	-0.023	18	13.3	Q2
IPI00658023	PTPN11	32.3	9.77E-90	-0.023	7	18.5	Q2
IPI00291200	NUP133	11.6	7.94E-129	-0.022	8	6.8	Q2
IPI00023860	NAP1L1	27.4	1.48E-258	-0.021	7	23.1	Q2
IPI00017367	RDX	29.3	1.59E-292	-0.021	12	8.8	Q2
IPI00024662	CBX5	11	8.23E-15	-0.021	2	12.9	Q2
IPI00029046	MLEC	29.5	2.89E-138	-0.021	6	5.2	Q2
IPI00012545	TGOLN2	8.3	2.44E-23	-0.021	2	12.6	Q2
IPI00025721	COPS3	18.7	5.32E-60	-0.021	2	23.8	Q2
IPI00473014	DSTN	83	2.66E-148	-0.021	20	15.2	Q2
IPI00026994	PRAF2	16.3	2.27E-30	-0.021	5	12.9	Q2
IPI00384280	PCYOX1	35.4	1.98E-191	-0.021	19	56.1	Q2
IPI00011253	RPS3	81.9	3.74E-280	-0.020	31	57.1	Q2
IPI00219034	NDUFA8	43.6	1.34E-83	-0.020	2	1.4	Q2
IPI00219420	SMC3	24.7	1.35E-122	-0.020	7	37.0	Q2
IPI00719017	RAPGEF6	5.8	1.85E-25	-0.020	2	16.4	Q2
IPI00395694	TNPO3	10	6.00E-117	-0.020	7	16.9	Q2
IPI00550733	TBC1D2B	5.6	5.78E-05	-0.019	5	13.3	Q2
IPI00013917	RPS12	70.5	6.61E-197	-0.019	11	9.0	Q2
IPI00018813	COPS2	26.2	5.15E-69	-0.019	2	6.4	Q2
IPI00301518	MOBKL1B	17.1	1.13E-08	-0.018	5	23.7	Q2
IPI00016645	EPHA7	3.1	1.62E-04	-0.018	3	0.2	Q2
IPI00374272	C5orf51	8.5	7.17E-22	-0.018	3	7.0	Q2
IPI00017696	C1S	9.3	1.04E-21	-0.017	6	26.2	Q2
IPI00006608	APP	5.8	2.65E-09	-0.017	2	5.5	Q2
IPI00604759	FAHD1	32.7	1.21E-166	-0.017	5	4.3	Q2
IPI00012448	CLN3	3.4	2.18E-12	-0.016	2	40.6	Q2

IPI00288947	GNAQ	19.2	1.05E-82	-0.016	2	4.2	Q2
IPI00012750	RPS25	31.2	1.14E-32	-0.016	9	7.8	Q2
IPI00413293	TOR1A	14	1.14E-15	-0.016	2	1.8	Q2
IPI00298991	KIAA1033	20.5	2.37E-234	-0.015	19	14.6	Q2
IPI00164005	COG7	2.6	2.49E-04	-0.015	2	6.9	Q2
IPI00655754	UFD1L	20.7	2.03E-57	-0.015	4	17.5	Q2
IPI00553185	CCT3	58.3	<1.0E-304	-0.014	33	11.5	Q2
IPI00410215	BPNT1	5.8	1.09E-15	-0.014	2	5.6	Q2
IPI00910088	AP1M1	15.6	7.13E-21	-0.014	6	6.1	Q2
IPI00028006	PSMB2	55.7	5.14E-142	-0.014	9	10.1	Q2
IPI00872668	NIT2	36	7.58E-105	-0.013	6	12.8	Q2
IPI00106646	SDF4	5.2	1.09E-03	-0.013	2	4.0	Q2
IPI00030320	DDX6	13.5	9.35E-67	-0.013	6	15.5	Q2
IPI00010349	AGPS	16.3	5.96E-149	-0.013	5	6.1	Q2
IPI00216975	TPM4	72.2	<1.0E-304	-0.012	73	56.6	Q2
IPI00395939	PITPNB	37.4	8.61E-77	-0.012	3	13.8	Q2
IPI00006052	PFDN2	22.7	5.32E-62	-0.012	4	10.2	Q2
IPI00105598	PSMD11	53.7	4.88E-158	-0.012	21	31.6	Q2
IPI00305064	CD44	11.7	1.37E-95	-0.011	24	36.6	Q2
IPI00900260	ARHGEF7	12	1.95E-91	-0.011	4	16.3	Q2
IPI00432718	SUMF1	7	2.46E-07	-0.010	2	4.4	Q2
IPI00000816	YWHAE	75.7	<1.0E-304	-0.010	30	27.2	Q2
IPI00031820	FARSA	22.6	1.86E-104	-0.010	4	6.3	Q2
IPI00220642	YWHAG	49	<1.0E-304	-0.010	15	14.3	Q2
IPI00004860	RARS	40.6	2.07E-300	-0.010	22	17.8	Q2
IPI00256861	MACF1	29.4	<1.0E-304	-0.009	99	47.7	Q2
IPI00005719	RAB1A	69.8	1.01E-236	-0.009	25	15.9	Q2
IPI00290110	PDCD4	7.9	1.28E-16	-0.009	2	10.9	Q2
IPI00893197	PPP2R4	20.4	3.55E-69	-0.008	2	6.5	Q2
IPI00029048	TTL12	20.2	1.48E-112	-0.008	3	25.7	Q2
IPI00022334	OAT	40.8	8.16E-141	-0.008	9	8.7	Q2
IPI00029731	RPL35A	46.4	8.89E-10	-0.007	11	13.9	Q2
IPI00018350	MCM5	18.9	1.08E-88	-0.007	6	11.2	Q2

IPI00328868	HS1BP3	11.2	5.18E-142	-0.007	3	12.9	Q2
IPI00221091	RPS15A	49.2	4.53E-50	-0.006	14	16.4	Q2
IPI00329563	UBE2L6	9.8	2.42E-02	-0.006	2	1.8	Q2
IPI00021728	EIF2S2	30.6	1.10E-134	-0.006	6	12.9	Q2
IPI00014808	PAFAH1B3	7.8	4.46E-05	-0.005	2	7.6	Q2
IPI00002236	MFGE8	26.1	8.16E-126	-0.005	7	14.8	Q2
IPI00014230	C1QBP	36.9	5.85E-216	-0.005	4	14.1	Q2
IPI00301419	COPS7A	25.1	5.20E-65	-0.004	4	10.2	Q2
IPI00026904	ADSL	18.1	7.12E-59	-0.004	3	5.2	Q2
IPI00867509	CORO1C	46.5	4.58E-280	-0.004	30	66.4	Q2
IPI00328293	SRRM1	9.5	2.05E-21	-0.004	4	32.4	Q2
IPI00550682	GRHPR	32.6	5.65E-248	-0.003	10	8.4	Q2
IPI00218858	MAP2K3	20.7	1.05E-36	-0.003	3	16.3	Q2
IPI00020454	DCK	6.2	7.43E-03	-0.003	2	8.1	Q2
IPI00247063	MME	54.7	<1.0E-304	-0.003	103	29.2	Q2
IPI00215911	APEX1	48.1	1.42E-212	-0.003	14	68.3	Q2
IPI00017617	DDX5	27.4	6.85E-143	-0.003	11	15.2	Q2
IPI00072377	SET	19.3	5.06E-100	-0.002	11	79.8	Q2
IPI00219037	H2AFX	26.6	4.31E-121	-0.002	4	14.7	Q2
IPI00008215	ME1	20.6	1.33E-99	-0.002	3	26.6	Q2
IPI00856098	RRBP1	48.2	<1.0E-304	-0.002	119	67.8	Q2
IPI00022228	HDLBP	52.8	<1.0E-304	-0.002	72	31.8	Q2
IPI00218268	OPRS1	14.3	6.30E-05	-0.001	4	8.9	Q2
IPI00154473	GFM1	10	8.02E-44	0.000	2	22.2	Q2
IPI00554590	RAB3GAP2	15.5	1.07E-39	0.000	10	17.8	Q2
IPI00334159	VBP1	38.2	2.58E-56	0.000	2	0.6	Q2
IPI00396435	DHX15	35.6	3.88E-163	0.000	23	27.8	Q2
IPI00376798	RPL11	39.3	7.85E-75	0.000	8	12.9	Q2
IPI00216318	YWHAB	58.9	<1.0E-304	0.000	12	8.9	Q2
IPI00294536	STRAP	56.5	1.20E-206	0.000	8	9.4	Q2
IPI00220271	AKR1A1	60.3	<1.0E-304	0.000	18	7.1	Q2
IPI00176903	PTRF	48.5	<1.0E-304	0.001	30	80.8	Q2
IPI00027230	HSP90B1	65.5	<1.0E-304	0.001	164	52.5	Q2

IPI00247583	RPL21	46.2	2.36E-135	0.001	4	37.1	Q2
IPI00009480	COPS8	34.9	1.46E-117	0.001	3	8.6	Q2
IPI00026271	RPS14	41.7	1.21E-130	0.002	9	7.8	Q2
IPI00028091	ACTR3	72.5	1.86E-300	0.002	31	78.8	Q2
IPI00008964	RAB1B	31.3	6.94E-218	0.002	4	6.5	Q2
IPI00305010	CPPED1	24.5	1.55E-73	0.002	8	10.2	Q2
IPI00007702	HSPA2	19.1	<1.0E-304	0.002	10	8.5	Q2
IPI00514053	ARCN1	39.3	2.93E-163	0.002	18	48.1	Q2
IPI00010153	RPL23	52.9	6.09E-207	0.003	8	17.6	Q2
IPI00641107	CAPZB	64.4	2.49E-211	0.003	28	31.1	Q2
IPI00646304	PPIB	62	7.66E-304	0.003	36	14.0	Q2
IPI00216457	HIST2H2AA3	57.7	5.23E-164	0.004	18	23.7	Q2
IPI00017763	NAP1L4	35	1.52E-222	0.004	11	82.4	Q2
IPI00297477	SNRPA1	41.2	1.15E-81	0.004	11	12.5	Q2
IPI00029997	PGLS	67.1	2.10E-302	0.005	17	14.7	Q2
IPI00926977	PSMC6	49.1	2.32E-262	0.005	15	16.0	Q2
IPI00790064	NDUFB9	19	4.45E-53	0.006	2	6.3	Q2
IPI00745313	AEBP1	9.3	2.77E-63	0.007	3	30.0	Q2
IPI00410485	TAOK3	3.5	2.16E-07	0.007	3	39.7	Q2
IPI00306604	ITGA5	17.7	1.15E-203	0.007	17	46.6	Q2
IPI00006079	BCLAF1	11.4	7.21E-21	0.007	4	5.0	Q2
IPI00182728	VPS4B	16	1.67E-47	0.008	6	116.0	Q2
IPI00304435	NIPSNAP1	26.4	4.35E-31	0.008	4	17.1	Q2
IPI00654582	TOLLIP	14.5	6.62E-46	0.009	7	15.1	Q2
IPI00220644	PKM2	5.8	<1.0E-304	0.009	5	6.5	Q2
IPI00026202	RPL18A	46	6.17E-97	0.009	13	9.2	Q2
IPI00012728	ACSL1	19.8	6.29E-126	0.010	9	25.8	Q2
IPI00002324	MAT2B	16.5	1.01E-54	0.010	6	12.3	Q2
IPI00215965	HNRNPA1	43	<1.0E-304	0.010	22	40.2	Q2
IPI00921428	IMPA1	16.7	8.47E-38	0.011	4	8.1	Q2
IPI00873622	WDR1	56.5	<1.0E-304	0.011	37	32.5	Q2
IPI00028004	PSMB3	36.6	3.26E-153	0.011	9	8.6	Q2
IPI00026627	RP2	5.1	1.39E-03	0.011	2	6.8	Q2

IPI00006167	PPM1G	13	1.19E-19	0.011	2	8.0	Q2
IPI00026216	NPEPPS	45.8	1.33E-287	0.011	42	26.4	Q2
IPI00000760	DDAH2	54.4	<1.0E-304	0.011	9	23.1	Q2
IPI00008475	HMGCS1	12.9	1.24E-62	0.012	2	12.7	Q2
IPI00301263	CAD	22.7	<1.0E-304	0.012	34	56.1	Q2
IPI00012795	EIF3I	27.4	6.18E-42	0.012	6	5.7	Q2
IPI00030781	STAT1	50.8	<1.0E-304	0.012	30	8.2	Q2
IPI00794613	TBC1D15	11.6	1.61E-54	0.012	4	6.7	Q2
IPI00009104	RUVBL2	38.9	7.83E-275	0.012	9	5.5	Q2
IPI00019450	TROVE2	24.3	6.10E-92	0.013	9	54.0	Q2
IPI00219067	GSTM2	47.2	1.39E-167	0.013	9	31.1	Q2
IPI00290462	CBR3	32.9	8.12E-162	0.013	7	14.2	Q2
IPI00024911	ERP29	47.1	1.15E-188	0.014	12	47.9	Q2
IPI00026848	LRPAP1	31.4	9.84E-33	0.014	11	18.6	Q2
IPI00479997	STMN1	63.1	2.38E-47	0.016	8	11.5	Q2
IPI00299095	SNX2	30.8	8.03E-137	0.016	8	7.1	Q2
IPI00011675	SP100	5.1	9.38E-44	0.017	4	20.3	Q2
IPI00011274	HNRPDL	16.7	8.34E-136	0.018	5	63.3	Q2
IPI00794169	ANO10	1.5	1.53E-07	0.018	2	45.5	Q2
IPI00171412	SUMF2	22.5	6.80E-82	0.018	2	9.3	Q2
IPI00927531	AP1S1	22.5	1.35E-36	0.018	4	25.6	Q2
IPI00219910	BLVRB	46.9	2.54E-137	0.018	12	11.2	Q2
IPI00297779	CCT2	63.7	<1.0E-304	0.018	25	9.9	Q2
IPI00033494	MYL12B	68.6	<1.0E-304	0.019	20	22.3	Q2
IPI00013296	RPS18	67.1	1.59E-81	0.019	24	16.4	Q2
IPI00005609	LOH11CR2A	2.3	6.41E-04	0.019	2	4.3	Q2
IPI00011698	SAP18	15.1	1.40E-02	0.019	3	24.8	Q2
IPI00412607	RPL35	26	2.42E-15	0.019	6	11.3	Q2
IPI00014053	TOMM40	19.1	7.93E-27	0.020	3	13.0	Q2
IPI00015285	PCYT2	9	2.22E-33	0.020	3	3.2	Q2
IPI00021954	GBF1	11.2	6.24E-142	0.021	8	19.4	Q2
IPI00029159	MRE11A	13.9	6.96E-103	0.021	8	17.0	Q2
IPI00297579	CBX3	33.3	1.44E-146	0.022	7	13.2	Q2

IPI00027270	RPL26	41.4	8.82E-16	0.022	17	22.2	Q2
IPI00018522	PRMT1	42.9	1.98E-154	0.023	12	13.7	Q2
IPI00221092	RPS16	69.2	1.88E-46	0.023	19	26.8	Q2
IPI00873253	SEC11A	13.5	7.28E-16	0.023	4	4.5	Q2
IPI00003309	POLR2H	32	5.54E-78	0.024	2	13.1	Q2
IPI00003588	EEF1E1	28.7	3.48E-32	0.024	3	19.9	Q2
IPI00032561	CAB39	19.4	1.94E-17	0.025	5	5.1	Q2
IPI00847342	KRT7	52.7	2.03E-236	0.025	19	36.0	Q2
IPI00218019	BSG	22.9	4.78E-101	0.025	8	15.5	Q2
IPI00746777	ADH5	36.9	<1.0E-304	0.025	16	11.2	Q2
IPI00293655	DDX1	52.3	<1.0E-304	0.025	24	7.5	Q2
IPI00871851	NEDD5	51	<1.0E-304	0.025	19	33.9	Q2
IPI00418213	RABGEF1	5.8	4.32E-13	0.026	2	9.8	Q2
IPI00018398	PSMC3	47.2	<1.0E-304	0.026	16	12.4	Q2
IPI00418169	DKFZp686P03159	78.4	<1.0E-304	0.026	176	52.5	Q2
IPI00644697	HEBP2	35	2.06E-107	0.027	6	16.3	Q2
IPI00306280	DENR	23.1	8.91E-127	0.027	2	1.2	Q2
IPI00855940	XPO7	14.1	9.78E-140	0.027	9	9.1	Q2
IPI00058192	POFUT1	9.3	7.10E-38	0.028	2	49.6	Q2
IPI00329512	SNRPB	20.8	3.14E-62	0.030	10	87.5	Q2
IPI00917064	LIMS1	14.9	3.22E-42	0.030	5	3.0	Q2
IPI00008433	RPS5	51	1.47E-269	0.030	18	9.6	Q2
IPI00644712	XRCC6	53.4	<1.0E-304	0.030	42	10.0	Q2
IPI00009688	PIP4K2A	8.1	6.96E-46	0.030	3	255.1	Q2
IPI00219249	CNTNAP1	14.8	3.37E-129	0.030	11	14.2	Q2
IPI00215914	ARF1	75.7	3.56E-273	0.031	24	25.0	Q2
IPI00796366	MYL6	45	2.20E-247	0.032	23	9.6	Q2
IPI00384051	PSME2	46.6	5.91E-175	0.032	12	19.0	Q2
IPI00334190	STOML2	46.1	4.28E-191	0.032	7	4.0	Q2
IPI00395748	ACOT7	22.7	3.40E-115	0.032	6	7.1	Q2
IPI00917683	SUMO1	13	1.58E-06	0.033	2	18.2	Q2
IPI00291939	SMC1A	14.7	2.75E-85	0.033	13	13.3	Q2
IPI00022229	APOB	0.7	5.68E-29	0.033	4	136.4	Q2

IPI00011284	COMT	51.7	1.81E-262	0.033	13	15.8	Q2
IPI00028031	ACADVL	44.2	<1.0E-304	0.034	23	15.0	Q2
IPI00479191	HNRNPH1	37.5	<1.0E-304	0.034	21	47.5	Q2
IPI00640088	CSNK2B	27.8	9.68E-29	0.034	4	19.3	Q2
IPI00021369	CRYAB	66.3	6.60E-146	0.034	21	19.2	Q2
IPI00411730	PPP4R1	6.3	6.49E-32	0.034	2	14.8	Q2
IPI00178352	FLNC	58.5	<1.0E-304	0.035	308	106.9	Q2
IPI00719725	SAPS3	3.8	6.29E-04	0.036	3	16.4	Q2
IPI00409684	NCKAP1	28	6.31E-234	0.037	18	12.4	Q2
IPI00025091	RPS11	62	4.37E-53	0.037	21	13.6	Q2
IPI00015954	SAR1A	48	2.42E-100	0.038	8	18.7	Q2
IPI00012074	HNRNPR	22.4	8.71E-165	0.039	18	55.0	Q2
IPI00008034	RAB23	38.4	2.20E-128	0.039	5	11.7	Q2
IPI00302740	RPS4Y1	22.8	2.42E-97	0.039	6	7.6	Q2
IPI00032134	SERPINB8	23.3	4.01E-83	0.040	4	32.5	Q2
IPI00296526	NAGK	51.3	2.48E-287	0.040	18	13.7	Q2
IPI00012093	STK25	1.6	8.49E-42	0.040	3	4.8	Q2
IPI00436355	PRKG1	18.4	2.10E-122	0.040	6	29.3	Q2
IPI00555956	PSMB4	40.9	1.96E-206	0.040	3	8.9	Q2
IPI00012011	CFL1	91.6	<1.0E-304	0.041	40	22.1	Q2
IPI00009328	EIF4A3	34.8	1.52E-129	0.041	6	4.8	Q2
IPI00427330	SBDS	54.4	2.45E-40	0.042	10	19.4	Q2
IPI00550451	PPP1CA	51.2	<1.0E-304	0.042	19	13.0	Q2
IPI00903286	SNRPD1	29.5	8.90E-78	0.042	3	5.0	Q2
IPI00031670	FAM114A1	24.7	2.95E-220	0.042	11	11.3	Q2
IPI00152998	LRRC40	17.4	9.33E-15	0.043	4	14.5	Q2
IPI00239077	HINT1	58.7	5.38E-71	0.043	4	13.8	Q2
IPI00291922	PSMA5	52.7	3.67E-204	0.043	9	16.9	Q2
IPI00027180	ZMPSTE24	6.7	1.54E-68	0.043	3	5.3	Q2
IPI00304925	HSPA1A	49.9	<1.0E-304	0.044	38	29.0	Q2
IPI00009057	G3BP2	15.1	2.78E-73	0.044	2	5.5	Q2
IPI00001639	KPNB1	43.7	<1.0E-304	0.044	60	15.7	Q2
IPI00479743	POTEE	2.4	<1.0E-304	0.046	2	6.4	Q2

IPI00328113	FBN1	2	1.00E-21	0.046	5	21.0	Q2
IPI00033025	SEPT7	35.6	<1.0E-304	0.046	12	46.1	Q2
IPI00171844	COPS4	27.3	4.54E-125	0.047	5	2.8	Q2
IPI00003327	ARL3	37.9	1.01E-67	0.047	5	13.4	Q2
IPI00064193	TMX3	13.7	6.31E-49	0.047	5	14.3	Q2
IPI00103252	RWDD4A	10.1	7.96E-05	0.048	2	2.9	Q2
IPI00003881	HNRNPF	19.5	9.12E-205	0.048	10	6.1	Q2
IPI00023529	CDK6	9.2	1.33E-23	0.048	2	6.4	Q2
IPI00016669	RHEB	32.1	8.68E-73	0.048	2	1.8	Q2
IPI00163230	COPS6	21.1	4.80E-25	0.049	5	64.9	Q2
IPI00329482	LAMA4	7.6	1.11E-142	0.049	7	23.3	Q2
IPI00001676	NPLOC4	22.9	2.86E-229	0.049	7	6.8	Q2
IPI00293613	TBK1	4.5	6.83E-06	0.050	2	39.5	Q2
IPI00219217	LDHB	54.8	<1.0E-304	0.050	55	63.2	Q2
IPI00007346	PPIH	22	6.35E-10	0.051	3	18.7	Q2
IPI00916847	OLA1	17.3	6.42E-109	0.051	12	10.1	Q2
IPI00438170	SNX12	42.4	1.26E-57	0.051	7	19.6	Q2
IPI00298547	PARK7	78.8	1.12E-249	0.051	25	10.8	Q2
IPI00013871	RRM1	9.1	6.00E-24	0.051	2	11.1	Q2
IPI00386258	MTCH1	8	3.30E-12	0.052	2	13.9	Q2
IPI00008167	ATP1B3	21.1	1.03E-61	0.053	5	12.3	Q2
IPI00220739	PGRMC1	40.5	1.36E-134	0.053	8	22.9	Q2
IPI00922855	TUBGCP2	3.2	4.99E-05	0.054	2	123.6	Q2
IPI00642238	HP1BP3	27.1	3.27E-139	0.054	17	29.0	Q2
IPI00002857	MAPK14	16.4	1.57E-25	0.055	2	25.6	Q2
IPI00020436	RAB11B	50.9	1.79E-184	0.055	13	12.6	Q2
IPI00221089	RPS13	44.4	2.85E-113	0.055	13	11.3	Q2
IPI00009906	ARMCX3	15	5.07E-25	0.055	2	6.2	Q2
IPI00025277	PDCD6	44	3.81E-48	0.056	4	5.1	Q2
IPI00735181	UNC45A	26.5	7.14E-257	0.056	13	22.5	Q2
IPI00021327	GRB2	27.2	2.45E-12	0.056	2	9.6	Q2
IPI00171438	TXNDC5	28.5	1.45E-159	0.056	23	20.5	Q2
IPI00012837	KIF5B	53	<1.0E-304	0.056	36	10.4	Q2

IPI00382452	CHMP1A	21.4	5.10E-05	0.057	2	12.1	Q2
IPI00303954	CYB5B	12	1.15E-19	0.057	2	14.7	Q2
IPI00025874	RPN1	58.8	<1.0E-304	0.057	39	53.3	Q2
IPI00021187	RUVBL1	35.7	3.87E-222	0.057	12	8.0	Q2
IPI00879750	SNRPD3	22.9	6.98E-13	0.058	3	11.4	Q2
IPI00397947	UBE2V1	17	8.67E-19	0.058	10	3.7	Q2
IPI00927150	CHCHD3	18.3	3.12E-87	0.058	3	10.6	Q2
IPI00031479	PDIA5	14.1	2.50E-18	0.058	5	7.3	Q2
IPI00032831	SNAP29	16.7	2.19E-17	0.059	3	45.1	Q2
IPI00001091	AFG3L2	17.4	6.00E-45	0.059	9	14.9	Q2
IPI00012535	DNAJA1	23.7	1.96E-40	0.060	4	7.8	Q2
IPI00028957	UBE4A	9.4	8.40E-41	0.060	4	26.2	Q2
IPI00008164	PREP	26.3	2.51E-287	0.060	7	16.6	Q2
IPI00794659	RPS20	28.9	1.47E-47	0.060	8	11.1	Q2
IPI00296259	TMED4	12.3	3.63E-59	0.061	2	1.9	Q2
IPI00027415	DHX36	5.4	5.11E-57	0.061	3	20.2	Q2
IPI00396593	PDLIM2	17.3	3.69E-67	0.061	3	1.1	Q2
IPI00006675	ABCC4	10	3.65E-28	0.062	5	22.2	Q2
IPI00019927	PSMD7	26.2	1.42E-156	0.062	5	57.9	Q2
IPI00220219	COPB2	47.8	<1.0E-304	0.062	35	50.4	Q2
IPI00011126	PSMC1	28.6	7.34E-181	0.063	5	8.4	Q2
IPI00151462	MAP1LC3B2	22.4	1.57E-02	0.063	2	4.4	Q2
IPI00011250	UCHL3	22.6	3.50E-65	0.064	3	4.9	Q2
IPI00007061	GOLT1B	10.9	1.89E-13	0.064	2	27.7	Q2
IPI00010796	P4HB	67.9	<1.0E-304	0.064	113	50.7	Q2
IPI00003168	PRPSAP2	7.3	5.75E-18	0.064	3	30.7	Q2
IPI00030941	TSPAN3	5.5	4.40E-02	0.064	3	4.2	Q2
IPI00025084	CAPNS1	66.8	<1.0E-304	0.064	17	38.9	Q2
IPI00017895	GPD2	26.4	3.02E-157	0.065	11	16.5	Q2
IPI00032292	TIMP1	24.6	9.12E-26	0.065	2	2.0	Q2
IPI00554742	API5	19.2	1.43E-104	0.065	8	18.1	Q2
IPI00017334	PHB	67.6	5.15E-262	0.065	14	71.0	Q2
IPI00022744	CSE1L	45.6	<1.0E-304	0.065	47	27.6	Q2

IPI00006725	DDX23	15	7.55E-39	0.065	10	12.6	Q2
IPI00018146	YWHAQ	55.5	<1.0E-304	0.065	24	36.7	Q2
IPI00005159	ACTR2	46.2	9.32E-187	0.066	19	15.4	Q2
IPI00063827	ABHD14B	27.1	3.45E-17	0.066	7	16.3	Q2
IPI00027078	CPD	15.9	4.17E-107	0.066	14	28.2	Q2
IPI00748472	KIAA0196	23.5	4.40E-182	0.066	22	27.9	Q2
IPI00218733	SOD1	50	5.13E-187	0.066	3	0.5	Q2
IPI00295386	CBR1	75.1	<1.0E-304	0.066	26	17.4	Q2
IPI00026781	FASN	53.5	<1.0E-304	0.067	214	84.8	Q2
IPI00419856	TNPO2	1.1	4.37E-28	0.067	2	12.7	Q2
IPI00005648	SAFB2	13.4	2.28E-75	0.067	5	81.7	Q2
IPI00022891	SLC25A4	13.4	1.49E-124	0.068	5	24.6	Q2
IPI00031131	APMAP	27.9	5.18E-63	0.068	9	7.1	Q2
IPI00411559	SMC4	6.5	1.80E-24	0.069	8	90.7	Q2
IPI00025252	PDIA3	65	<1.0E-304	0.069	64	44.8	Q2
IPI00030255	PLOD3	42.5	<1.0E-304	0.069	27	22.8	Q2
IPI00023006	ACTC1	46.9	<1.0E-304	0.069	34	76.8	Q2
IPI00747810	FSCN1	54.6	<1.0E-304	0.070	34	27.3	Q2
IPI00186290	EEF2	63.9	<1.0E-304	0.070	190	72.0	Q2
IPI00550523	ATL3	29.8	8.33E-121	0.070	5	9.5	Q2
IPI00908469	TUBB6	12.9	<1.0E-304	0.071	6	3.9	Q2
IPI00003935	HIST2H2BE	13.5	1.22E-71	0.071	5	16.1	Q2
IPI00796864	DPM1	38	6.46E-72	0.071	5	21.3	Q2
IPI00892784	ATP6V0A1	5.8	4.20E-17	0.071	6	15.1	Q2
IPI00005087	TMOD3	34.9	3.00E-137	0.072	6	10.2	Q2
IPI00216171	ENO2	23.3	<1.0E-304	0.073	3	17.2	Q2
IPI00022774	VCP	64.4	<1.0E-304	0.073	112	62.9	Q2
IPI00221327	RTCD1	15	6.87E-15	0.073	4	28.0	Q2
IPI00029764	SF3A3	18.6	1.12E-71	0.073	5	9.6	Q2
IPI00007755	RAB21	39.1	2.06E-101	0.073	3	8.0	Q2
IPI00002966	HSPA4	52.7	<1.0E-304	0.074	45	7.9	Q2
IPI00165393	ANP32E	14.6	1.20E-53	0.074	4	10.0	Q2
IPI00177509	TRAPPC5	18.6	3.12E-14	0.074	3	13.9	Q2

IPI00304171	H2AFY	37.1	1.53E-170	0.075	9	8.2	Q2
IPI00843975	EZR	43.2	<1.0E-304	0.075	32	54.9	Q2
IPI00009315	ACBD3	24.6	6.53E-82	0.075	3	6.6	Q2
IPI00219301	MARCKS	36.1	9.40E-250	0.076	6	28.2	Q2
IPI00004436	LSM1	39.1	7.35E-19	0.077	2	10.8	Q2
IPI00871500	TBC1D3P2	1.9	1.86E-01	0.078	2	10.8	Q2
IPI00009225	STX8	24.6	1.18E-87	0.078	3	20.8	Q2
IPI00171611	HIST2H3A	57.4	9.32E-171	0.078	21	20.4	Q2
IPI00641829	BAT1	41.3	5.86E-188	0.078	23	43.1	Q2
IPI00925052	ARPC4	41.7	7.71E-42	0.078	10	10.8	Q2
IPI00465256	AK3	54.2	5.87E-193	0.079	7	46.1	Q2
IPI00872754	STK24	21.7	7.11E-123	0.079	6	15.7	Q2
IPI00853598	SEC13	35.1	<1.0E-304	0.080	7	10.1	Q2
IPI00016910	EIF3C	30.2	1.39E-241	0.081	22	23.8	Q2
IPI00550239	H1FO	27.8	1.16E-21	0.081	2	13.1	Q2
IPI00185374	PSMD12	45.6	7.23E-166	0.081	15	13.5	Q2
IPI00257059	TMEM173	18.7	6.51E-140	0.082	4	5.8	Q2
IPI00026665	QARS	50.7	<1.0E-304	0.082	29	8.7	Q2
IPI00010154	GDI1	47.4	<1.0E-304	0.082	18	32.4	Q2
IPI00871827	RPL7	52.2	4.20E-175	0.082	23	9.2	Q2
IPI00006092	PMM2	29.3	8.86E-22	0.082	5	6.6	Q2
IPI00148063	HEBP1	62.4	6.17E-117	0.083	5	11.5	Q2
IPI00218475	IFI35	19.1	4.37E-17	0.083	3	17.0	Q2
IPI00910977	MPST	24	2.18E-88	0.083	5	11.9	Q2
IPI00001985	VPS18	12.9	2.13E-69	0.083	6	9.2	Q2
IPI00642259	DST	13.1	<1.0E-304	0.084	23	29.0	Q2
IPI00029079	GMPS	28.1	2.36E-175	0.084	9	10.7	Q2
IPI00300299	SPCS3	21.7	3.44E-35	0.084	4	21.9	Q2
IPI00218693	APRT	57.2	1.22E-65	0.084	5	16.0	Q2
IPI00604664	NDUFS1	39.4	<1.0E-304	0.084	15	42.1	Q2
IPI00299571	PDIA6	49.2	<1.0E-304	0.085	29	34.0	Q2
IPI00003326	ARL2	16.8	1.65E-20	0.085	2	8.0	Q2
IPI00294158	BLVRA	39.9	5.22E-62	0.085	7	13.5	Q2

IPI00289535	PMPCB	4.1	2.76E-03	0.085	2	0.5	Q2
IPI00299000	PA2G4	34	1.17E-98	0.087	14	9.0	Q2
IPI00018871	ARL8B	45	5.00E-118	0.087	9	14.9	Q2
IPI00253036	CD99	13	2.98E-05	0.087	3	24.9	Q2
IPI00215918	ARF4	38.9	2.51E-199	0.088	9	7.0	Q2
IPI00642211	RNPEP	43.5	3.43E-235	0.089	17	16.0	Q2
IPI00015148	RAP1B	67.4	1.61E-187	0.089	18	14.1	Q2
IPI00218924	CHP	20	2.48E-45	0.090	4	16.3	Q2
IPI00074604	GLMN	5.4	7.82E-07	0.090	2	3.7	Q2
IPI00903119	SMS	9	2.00E-05	0.090	3	45.6	Q2
IPI00604590	NME1-NME2	70.9	3.41E-205	0.091	35	18.2	Q2
IPI00003766	ETHE1	36.2	2.02E-67	0.091	8	12.8	Q2
IPI00025158	STAG1	3.1	1.20E-04	0.092	3	15.8	Q2
IPI00304596	NONO	46.1	<1.0E-304	0.092	21	81.9	Q2
IPI00216691	PFN1	91.4	<1.0E-304	0.092	47	16.7	Q2
IPI00745568	TIPRL	38.6	3.71E-19	0.092	3	22.3	Q2
IPI00815770	SNX3	69.8	2.65E-64	0.092	11	62.5	Q2
IPI00004968	PRPF19	24.4	5.10E-70	0.092	6	10.5	Q2
IPI00154975	DNAJC9	26.9	1.32E-11	0.094	3	10.1	Q2
IPI00013068	EIF3E	47.2	2.47E-284	0.094	11	7.3	Q2
IPI00021805	MGST1	27.1	1.46E-48	0.095	3	4.1	Q2
IPI00009958	COPS5	26.9	7.45E-16	0.095	6	5.5	Q2
IPI00216003	CUL5	12.5	2.98E-27	0.095	7	13.9	Q2
IPI00065500	BROX	20.4	1.31E-43	0.096	4	32.2	Q2
IPI00033143	EIF3K	16.5	6.75E-40	0.096	2	7.9	Q2
IPI00646779	TUBB6	24.6	<1.0E-304	0.097	10	4.5	Q2
IPI00029081	LIG3	2.7	1.36E-07	0.097	3	6.8	Q2
IPI00015361	PFDN5	54.5	1.07E-196	0.097	3	31.3	Q2
IPI00219446	PEBP1	84	<1.0E-304	0.098	16	12.0	Q2
IPI00005724	LANCL1	10.3	1.90E-21	0.098	4	13.9	Q2
IPI00744692	TALDO1	47.8	1.79E-146	0.098	18	10.6	Q2
IPI00219018	GAPDH	84.8	<1.0E-304	0.099	133	39.4	Q2
IPI00023919	PSMC5	47.5	5.17E-229	0.099	13	8.6	Q2

IPI00013698	ASAH1	13.2	4.15E-28	0.100	5	6.9	Q2
IPI00375380	PSMD13	49.5	7.30E-210	0.100	17	22.1	Q2
IPI00011416	ECH1	26.8	9.16E-137	0.101	4	9.0	Q2
IPI00396527	KLRAQ1	6.3	2.75E-15	0.101	3	21.3	Q2
IPI00470883	STAG2	2.1	1.42E-07	0.102	2	0.3	Q2
IPI00026182	CAPZA2	32.2	2.28E-89	0.102	7	5.5	Q2
IPI00293464	DDB1	35	1.06E-238	0.102	39	18.5	Q2
IPI00028481	RAB8A	25.1	2.62E-77	0.103	7	12.3	Q2
IPI00021417	SART1	12.1	1.90E-96	0.104	6	11.7	Q2
IPI00243221	NRD1	15.3	4.66E-117	0.104	11	25.5	Q2
IPI00413344	CFL2	45.8	2.57E-260	0.105	6	26.9	Q2
IPI00020599	CALR	64.7	<1.0E-304	0.106	51	50.4	Q2
IPI00414676	HSP90AB1	34.1	<1.0E-304	0.106	53	48.2	Q2
IPI00884192	GPX4	33.8	9.09E-63	0.106	7	12.7	Q2
IPI00394994	C14orf49	4	4.51E-22	0.106	3	11.4	Q2
IPI00646917	NUDT21	48.9	9.21E-160	0.107	10	16.1	Q2
IPI00005198	ILF2	32.6	2.10E-245	0.107	18	23.8	Q2
IPI00032498	DCTN5	14.8	5.20E-12	0.108	3	3.3	Q2
IPI00017469	SPR	29.1	4.69E-234	0.108	6	38.4	Q2
IPI00333143	DGKA	10.2	1.66E-48	0.109	3	17.4	Q2
IPI00295542	NUCB1	21.9	8.75E-118	0.109	10	31.0	Q2
IPI00303602	AIDA	11.4	5.65E-10	0.109	3	7.9	Q2
IPI00645078	UBA1	47.8	<1.0E-304	0.109	72	44.1	Q2
IPI00549389	METTL11A	19.6	2.44E-62	0.109	3	3.0	Q2
IPI00746030	PLCD1	12	1.09E-46	0.109	9	31.3	Q2
IPI00914539	ANKFY1	18.7	8.95E-109	0.110	9	10.5	Q2
IPI00894498	ACTB	4.5	<1.0E-304	0.110	15	63.6	Q2
IPI00152900	LZIC	11.8	7.70E-05	0.110	2	13.1	Q2
IPI00018311	NPTN	9.3	3.60E-10	0.110	5	4.6	Q2
IPI00927606	GPX1	42.4	4.82E-108	0.110	5	4.4	Q2
IPI00894409	CPNE1	21.6	2.14E-140	0.110	8	6.2	Q2
IPI00646556	NDUFV2	13.5	2.90E-41	0.111	3	17.3	Q2
IPI00220648	PMVK	35.9	2.84E-17	0.111	4	32.6	Q2

IPI00328753	KTN1	39.2	<1.0E-304	0.111	40	14.7	Q2
IPI00218728	PAFAH1B1	23.4	5.75E-76	0.111	8	14.1	Q2
IPI00007940	ERLIN1	17.5	2.18E-134	0.111	5	82.8	Q2
IPI00294911	SDHB	34.3	1.21E-92	0.112	7	8.4	Q2
IPI00783313	PYGL	38.6	3.49E-260	0.112	30	69.8	Q2
IPI00021263	YWHAZ	69.8	<1.0E-304	0.112	31	12.4	Q2
IPI00003565	PSMD10	16.4	2.71E-08	0.112	3	30.2	Q2
IPI00450472	UBE2I	33.7	8.00E-28	0.112	3	10.7	Q2
IPI00465238	C16orf62	10.4	6.86E-50	0.112	7	8.8	Q2
IPI00219953	CMPK1	46.1	4.87E-273	0.113	8	15.4	Q2
IPI00013723	PIN1	47.2	1.63E-121	0.114	4	29.8	Q2
IPI00384456	MSH6	6.2	3.30E-22	0.114	4	108.1	Q2
IPI00220503	DCTN2	42.6	<1.0E-304	0.115	13	9.1	Q2
IPI00872664	USP14	26.5	4.82E-150	0.116	11	17.2	Q2
IPI00006451	NSF	47.8	<1.0E-304	0.116	39	10.9	Q2
IPI00027434	RHOC	18.7	2.33E-299	0.116	4	8.9	Q2
IPI00549664	TEX10	10.7	4.48E-97	0.117	6	18.1	Q2
IPI00020470	GLT8D1	5.4	6.38E-04	0.117	2	19.0	Q2
IPI00021700	PCNA	58.6	5.39E-192	0.118	12	12.2	Q2
IPI00011631	ZW10	12.3	4.82E-101	0.118	6	52.8	Q2
IPI00887461	HLA-B	29.3	3.54E-170	0.118	9	6.8	Q2
IPI00168407	PDPR	7.1	2.67E-54	0.118	4	4.4	Q2
IPI00021808	HARS	37.9	8.29E-136	0.119	14	12.7	Q2
IPI00219365	MSN	75.6	<1.0E-304	0.119	116	71.4	Q2
IPI00018769	THBS2	10.4	1.34E-122	0.120	4	21.8	Q2
IPI00017726	HSD17B10	57.9	<1.0E-304	0.120	8	9.4	Q2
IPI00292140	CASP3	11.9	8.72E-07	0.121	3	2.7	Q2
IPI00001568	ATP6V1D	32.4	6.48E-70	0.121	3	8.1	Q2
IPI00004397	RALB	24.1	2.37E-32	0.122	4	8.4	Q2
IPI00218918	ANXA1	77.2	<1.0E-304	0.122	88	56.3	Q2
IPI00418471	VIM	92.9	<1.0E-304	0.123	473	96.2	Q2
IPI00513853	STX12	21.4	8.49E-94	0.124	2	10.2	Q2
IPI00007752	TUBB2C	15.5	<1.0E-304	0.124	12	71.5	Q2

IPI00008599	EBP	16.5	1.66E-13	0.124	2	1.2	Q2
IPI00298111	SNX6	31.1	6.07E-81	0.125	10	7.2	Q2
IPI00073958	CNRIP1	39.6	6.54E-38	0.125	4	18.1	Q2
IPI00554705	DCTD	39.2	2.03E-81	0.126	6	11.2	Q2
IPI00397860	CYB5A	33.6	8.26E-97	0.126	2	43.0	Q2
IPI00220834	XRCC5	58.7	<1.0E-304	0.126	40	14.0	Q2
IPI00028296	CAMK1	4.9	1.87E-04	0.128	3	84.1	Q2
IPI00016346	PROSC	37.5	5.51E-75	0.129	6	17.3	Q2
IPI00012345	SFRS6	18.3	8.42E-09	0.130	13	28.8	Q2
IPI00465179	PFKM	13.2	1.08E-179	0.131	7	11.7	Q2
IPI00478231	RHOA	59.6	2.14E-272	0.131	35	21.0	Q2
IPI00178431	RECQL	18.6	4.80E-80	0.132	7	16.3	Q2
IPI00847322	SOD2	43.2	2.34E-186	0.132	18	11.9	Q2
IPI00396967	FHL2	35.7	2.75E-134	0.132	16	12.8	Q2
IPI00029629	TRIM25	29	1.90E-219	0.133	16	6.9	Q2
IPI00473047	PRKAG1	19.7	1.16E-215	0.133	6	19.0	Q2
IPI00014376	RAB31	25.1	2.16E-47	0.134	4	20.8	Q2
IPI00289499	ATIC	70.1	<1.0E-304	0.134	28	10.9	Q2
IPI00024920	ATP5D	17.3	1.27E-62	0.135	3	25.4	Q2
IPI00017283	IARS2	27.4	1.11E-143	0.135	16	13.2	Q2
IPI00915855	VDAC2	42.5	1.33E-177	0.136	17	87.5	Q2
IPI00026111	TMCO1	12.2	1.52E-38	0.138	2	25.1	Q2
IPI00021057	SLC12A4	7.9	8.01E-12	0.138	5	37.7	Q2
IPI00453473	HIST1H4A	53.4	1.29E-131	0.138	41	21.3	Q2
IPI00056357	C19orf10	27.2	3.02E-32	0.138	5	23.7	Q2
IPI00218342	MTHFD1	53.6	<1.0E-304	0.139	44	24.6	Q2
IPI00382470	HSP90AA1	51.6	<1.0E-304	0.139	105	45.0	Q2
IPI00018768	TSN	37.7	1.78E-24	0.140	6	9.0	Q2
IPI00221088	RPS9	66	3.65E-38	0.141	26	20.6	Q2
IPI00021405	LMNA	82.1	<1.0E-304	0.141	224	81.2	Q2
IPI00021389	CCS	20.4	5.93E-31	0.142	2	25.6	Q2
IPI00009943	TPT1	76.6	1.99E-117	0.142	14	15.9	Q2
IPI00872762	SUCLG1	22.3	1.63E-49	0.142	4	9.2	Q2

IPI00014898	PLEC1	69.8	<1.0E-304	0.142	738	85.0	Q2
IPI00014898	PLEC1	69.8	<1.0E-304	0.142	738	85.0	Q2
IPI00646689	TXNDC17	15.4	2.01E-03	0.144	3	7.1	Q2
IPI00029744	SSBP1	57.4	1.79E-170	0.144	6	10.2	Q2
IPI00005537	MRPL12	28.8	2.88E-34	0.145	3	10.9	Q2
IPI00293026	EFTUD1	9.2	2.41E-50	0.145	5	18.3	Q2
IPI00844076	RPN2	47.7	<1.0E-304	0.146	36	28.0	Q2
IPI00299155	PSMA4	55.6	2.10E-100	0.146	12	14.8	Q2
IPI00289758	CAPN2	60.9	<1.0E-304	0.147	45	25.5	Q2
IPI00014219	SNX17	11.7	1.05E-31	0.147	3	26.0	Q2
IPI00917081	ANO6	6.6	2.71E-38	0.147	2	25.9	Q2
IPI00075080	OSBPL1A	4.9	3.14E-06	0.148	2	8.2	Q2
IPI00013122	CDC37	34.7	3.68E-216	0.148	5	7.1	Q2
IPI00793375	XPNPEP1	20	8.57E-144	0.149	11	18.0	Q2
IPI00902482	IDUA	1.3	2.56E-02	0.149	2	11.6	Q2
IPI00429191	ETF1	28.4	5.03E-93	0.150	11	6.8	Q2
IPI00329742	FAHD2A	14	1.32E-51	0.150	2	27.0	Q2
IPI00914624	HLA-C	22.6	1.55E-44	0.150	3	19.1	Q2
IPI00025239	NDUFS2	11.2	6.46E-23	0.150	5	9.3	Q2
IPI00329696	FAM82B	24.2	3.48E-23	0.150	3	9.6	Q2
IPI00790503	MYH10	45.9	<1.0E-304	0.151	93	48.3	Q2
IPI00291419	ACAT2	38	6.30E-189	0.152	9	8.3	Q2
IPI00219675	RAC1	41.2	2.05E-73	0.152	15	9.5	Q2
IPI00140420	SND1	60.9	<1.0E-304	0.152	54	18.7	Q2
IPI00215888	SRP72	32.5	4.16E-183	0.153	11	20.6	Q2
IPI00465308	PIGS	10.6	3.39E-183	0.154	4	12.9	Q2
IPI00043598	IKIP	26	6.84E-123	0.154	9	8.4	Q2
IPI00032459	AP3M1	20.3	2.84E-118	0.154	7	7.8	Q2
IPI00032038	CPT1A	21.9	2.64E-119	0.155	8	9.0	Q2
IPI00784154	HSPD1	72.3	<1.0E-304	0.155	70	45.2	Q2
IPI00168262	GLT25D1	25.7	1.46E-168	0.156	13	41.0	Q2
IPI00004902	ETFB	40.8	2.44E-98	0.156	14	21.7	Q2
IPI00216057	SORD	22.1	7.60E-103	0.157	3	23.6	Q2

IPI00647185	CEP170	5.3	1.03E-20	0.157	4	27.9	Q2
IPI00413961	DKFZp666O0110	4.7	4.84E-23	0.157	4	13.2	Q2
IPI00005160	ARPC1B	43.8	1.04E-154	0.157	16	29.3	Q2
IPI00030770	PSMG1	12.5	3.70E-29	0.157	2	31.2	Q2
IPI00023598	TUBB4	9.7	<1.0E-304	0.158	4	16.0	Q2
IPI00413451	DKFZp686I04222	61.6	<1.0E-304	0.158	22	30.1	Q2
IPI00908639	HISPPD1	2.5	1.08E-03	0.158	3	4.5	Q2
IPI00295992	ATAD3A	32.1	5.62E-143	0.158	9	13.5	Q2
IPI00020672	DPP3	40.4	<1.0E-304	0.159	21	6.2	Q2
IPI00296534	FBLN1	18.2	2.50E-34	0.159	5	19.2	Q2
IPI00019400	TPMT	9.8	2.30E-04	0.160	3	5.2	Q2
IPI00006504	EIF2B3	4	2.30E-02	0.161	2	9.8	Q2
IPI00913912	ATXN10	20.3	9.32E-69	0.161	4	48.6	Q2
IPI00007058	CORO1B	24.1	1.53E-93	0.161	13	50.7	Q2
IPI00292657	PTGR1	40.4	5.81E-83	0.161	11	15.2	Q2
IPI00015897	CHORDC1	9	8.53E-17	0.161	3	16.1	Q2
IPI00025974	CHMP4B	30.4	5.13E-100	0.161	4	19.9	Q2
IPI00028005	NUP107	6.5	1.21E-33	0.162	5	68.3	Q2
IPI00873459	10-Sep	5.1	7.15E-15	0.162	2	17.0	Q2
IPI00890743	PPP6C	8.2	5.32E-12	0.163	2	1.5	Q2
IPI00027252	PHB2	62.5	<1.0E-304	0.163	26	25.1	Q2
IPI00022892	THY1	24.8	1.99E-103	0.164	11	37.2	Q2
IPI00023530	CDK5	15.4	6.77E-05	0.165	3	23.4	Q2
IPI00018931	VPS35	45.6	<1.0E-304	0.165	41	31.9	Q2
IPI00017344	RAB5B	33	5.94E-130	0.165	4	45.2	Q2
IPI00375676	FTL	35.6	1.27E-122	0.166	4	17.8	Q2
IPI00479018	SDCBP	5.3	<1.0E-304	0.166	2	0.0	Q2
IPI00171573	CCDC109A	10	1.96E-13	0.166	4	22.3	Q2
IPI00306719	CHID1	12.1	4.39E-70	0.167	4	8.3	Q2
IPI00014587	CLTA	29.4	1.90E-122	0.167	10	15.0	Q2
IPI00642984	BCAP31	22.4	1.20E-61	0.168	8	7.8	Q2
IPI00027350	PRDX2	36.9	1.32E-110	0.169	18	10.6	Q2
IPI00020986	LUM	30.2	4.31E-107	0.169	2	7.2	Q2

IPI00024320	RBM3	45.9	1.73E-80	0.169	4	31.1	Q2
IPI00003865	HSPA8	57	<1.0E-304	0.170	102	51.3	Q2
IPI00305166	SDHA	7.8	5.08E-278	0.170	2	13.6	Q2
IPI00005969	CAPZA1	49	2.14E-141	0.171	8	7.9	Q2
IPI00012007	AHCY	42.6	6.29E-191	0.172	11	9.7	Q2
IPI00003377	SFRS7	19.3	1.10E-52	0.173	4	20.3	Q2
IPI00021129	AP3B1	28.9	6.02E-137	0.173	25	24.5	Q2
IPI00303318	FAM49B	13.3	5.93E-52	0.173	2	11.1	Q2
IPI00003918	RPL4	46.6	1.77E-299	0.174	30	39.9	Q2
IPI00023728	GGH	11.3	6.71E-22	0.174	2	7.4	Q2
IPI00026546	PAFAH1B2	27.1	7.37E-92	0.174	5	13.8	Q2
IPI00003269	ACTBL2	4.8	4.52E-128	0.175	13	53.0	Q2
IPI00157734	EXOC3	19.6	6.54E-102	0.175	8	9.1	Q2
IPI00396485	EEF1A1	61.5	<1.0E-304	0.175	121	67.9	Q2
IPI00916757	DCTN1	37.6	<1.0E-304	0.176	34	21.7	Q2
IPI00021831	PRKAR1A	31.8	9.55E-146	0.176	8	14.3	Q2
IPI00293434	SRP14	37.5	1.02E-50	0.176	4	14.0	Q2
IPI00303882	M6PRBP1	68	<1.0E-304	0.176	37	9.9	Q2
IPI00012989	MAN2B1	7.4	1.46E-175	0.177	5	11.4	Q2
IPI00219219	LGALS1	95.6	1.08E-303	0.177	76	15.1	Q2
IPI00001437	RND3	20.9	2.43E-17	0.177	3	2.7	Q2
IPI00411706	ESD	39	4.15E-121	0.177	9	16.3	Q2
IPI00029054	NT5C2	19.8	5.25E-57	0.178	4	6.9	Q2
IPI00010317	RRAGB	10.7	1.71E-25	0.178	4	4.7	Q2
IPI00024990	ALDH6A1	5.4	1.30E-12	0.179	2	11.3	Q2
IPI00012866	AKT1	10.6	1.78E-11	0.180	2	7.8	Q2
IPI00010896	CLIC1	68.5	2.86E-304	0.180	15	15.1	Q2
IPI00550234	ARPC5	58.3	2.38E-44	0.180	7	7.7	Q2
IPI00008418	DIABLO	9.8	2.09E-15	0.181	2	1.7	Q2
IPI00299024	BASP1	70.9	<1.0E-304	0.181	11	22.9	Q2
IPI00654569	CAMK2D	23.3	1.26E-137	0.181	10	58.7	Q2
IPI00019376	SEPT11	39.9	1.12E-202	0.182	26	36.8	Q2
IPI00911039	HSPA1A	1.5	<1.0E-304	0.182	2	14.2	Q2

IPI00026230	HNRNPH2	10.9	8.14E-242	0.182	5	5.2	Q2
IPI00005161	ARPC2	61.7	7.13E-141	0.182	25	12.4	Q2
IPI00219077	LTA4H	46.3	3.03E-285	0.183	19	7.2	Q2
IPI00413641	AKR1B1	27.8	2.38E-35	0.184	12	12.2	Q2
IPI00328415	CYB5R3	58.4	<1.0E-304	0.184	32	17.5	Q2
IPI00795979	FLOT2	25.9	3.44E-80	0.184	5	9.7	Q2
IPI00301618	SDCCAG1	8.5	4.31E-19	0.185	3	17.5	Q2
IPI00927647	POR	30.9	1.04E-244	0.185	15	29.5	Q2
IPI00216046	SMARCA1	6.8	1.37E-74	0.186	3	0.1	Q2
IPI00871870	ARPC3	63.5	8.25E-123	0.187	14	15.5	Q2
IPI00414384	HSDL2	19.4	7.23E-111	0.187	4	16.5	Q2
IPI00419273	CUL4A	8.8	1.07E-69	0.188	7	9.4	Q2
IPI00014151	PSMD6	43.2	8.64E-86	0.188	9	15.0	Q2
IPI00025329	RPL19	27	1.15E-132	0.188	5	98.9	Q2
IPI00073179	VPS33A	7.9	3.23E-09	0.188	2	9.7	Q2
IPI00339384	RDH11	20.8	2.24E-59	0.189	4	23.3	Q2
IPI00180404	NEXN	23.7	5.55E-60	0.189	18	15.5	Q2
IPI00020530	ACOT13	25	2.41E-39	0.189	2	2.2	Q2
IPI00550069	RNH1	70.7	<1.0E-304	0.190	43	46.8	Q2
IPI00844159	PGM1	59.1	<1.0E-304	0.190	14	6.3	Q2
IPI00020124	PI4K2A	7.3	9.02E-10	0.190	2	4.0	Q2
IPI00032406	DNAJA2	17	3.80E-23	0.190	3	9.2	Q2
IPI00465123	KIAA0415	3.8	8.31E-06	0.191	4	60.6	Q2
IPI00031522	HADHA	60.2	<1.0E-304	0.192	46	19.4	Q2
IPI00337386	PRPF40A	8.6	5.49E-68	0.193	8	5.3	Q2
IPI00916111	MDH1	37.8	3.33E-254	0.193	17	11.1	Q2
IPI00027780	MMP2	17.7	7.88E-76	0.193	7	28.2	Q2
IPI00029468	ACTR1A	48.1	<1.0E-304	0.193	13	9.4	Q2
IPI00409717	EIF4A2	12.7	2.42E-282	0.194	2	2.2	Q2
IPI00011654	TUBB	74.3	<1.0E-304	0.196	187	78.8	Q2
IPI00002535	FKBP2	47.2	6.12E-94	0.197	2	3.7	Q2
IPI00871854	SAMM50	15.6	4.25E-17	0.197	4	5.0	Q2
IPI00307200	SWAP70	29.2	3.14E-61	0.197	12	45.9	Q2

IPI00008552	GLRX3	40.6	1.12E-116	0.198	9	7.5	Q2
IPI00783656	MRPL38	4.7	2.83E-02	0.199	2	40.3	Q2
IPI00872103	ASL	8.3	7.10E-112	0.200	3	7.9	Q2
IPI00298994	TLN1	69.1	<1.0E-304	0.200	367	79.4	Q2
IPI00018364	RAP2B	49.7	2.01E-85	0.201	7	4.6	Q2
IPI00030783	STAT5A	4.9	1.97E-19	0.202	4	16.5	Q2
IPI00018195	MAPK3	24.5	1.40E-119	0.202	6	9.7	Q2
IPI00166865	CISD2	46.7	1.20E-55	0.203	4	18.5	Q2
IPI00024919	PRDX3	43.8	3.48E-155	0.203	14	19.2	Q2
IPI00028888	HNRNPD	39.7	<1.0E-304	0.203	28	68.5	Q2
IPI00024913	C21orf33	31	1.35E-40	0.203	4	17.2	Q2
IPI00095891	GNAS	8.5	3.95E-32	0.203	8	8.7	Q2
IPI00013981	YES1	6.8	5.67E-18	0.203	5	39.3	Q2
IPI00641990	LAS1L	15.1	4.11E-110	0.204	2	13.3	Q2
IPI00024993	ECHS1	49.7	4.17E-299	0.204	10	67.0	Q2
IPI00103373	CYGB	4.7	1.75E-03	0.204	2	15.4	Q2
IPI00031420	UGDH	62.3	<1.0E-304	0.204	25	25.3	Q2
IPI00412987	GMFB	49.4	1.99E-202	0.205	5	8.9	Q2
IPI00246975	GSTM3	55.1	9.14E-141	0.205	9	17.7	Q2
IPI00011107	IDH2	35.4	1.06E-106	0.207	16	12.8	Q2
IPI00185037	MARK1	2	1.67E-03	0.208	2	10.7	Q2
IPI00304612	RPL13A	44.3	8.73E-61	0.209	11	36.9	Q2
IPI00329791	DDX46	16.9	1.51E-95	0.210	12	16.1	Q2
IPI00185146	IPO9	26.5	<1.0E-304	0.210	21	30.3	Q2
IPI00291669	UBLCP1	16.7	9.72E-22	0.210	6	8.0	Q2
IPI00296157	RETSAT	8.2	1.73E-26	0.211	2	18.8	Q2
IPI00219677	DERA	13.2	5.62E-25	0.211	3	2.0	Q2
IPI00177728	CNDP2	54.7	1.08E-161	0.211	10	7.1	Q2
IPI00011285	CAPN1	49.2	<1.0E-304	0.212	38	9.8	Q2
IPI00291136	COL6A1	40.1	<1.0E-304	0.212	75	116.8	Q2
IPI00414289	GPS1	15.6	1.95E-18	0.213	2	5.4	Q2
IPI00216308	VDAC1	71	6.49E-221	0.213	23	49.4	Q2
IPI00220373	IDE	14.1	1.40E-72	0.214	8	6.5	Q2

IPI00414554	ARPC5L	28.8	4.68E-52	0.215	3	16.2	Q2
IPI00647915	TAGLN2	80.5	<1.0E-304	0.215	45	14.8	Q2
IPI00218187	PPP1CC	7.1	<1.0E-304	0.215	3	11.3	Q2
IPI00657888	GMPPA	18.4	2.35E-148	0.215	4	29.5	Q2
IPI00010810	ETFA	48	<1.0E-304	0.216	12	5.7	Q2
IPI00022793	HADHB	42.4	2.61E-137	0.216	16	6.8	Q2
IPI00000792	CRYZ	18.8	1.38E-19	0.217	5	8.0	Q2
IPI00010706	GSS	24.5	3.58E-23	0.218	9	10.2	Q2
IPI00143921	KDEL2	31.8	8.58E-177	0.218	8	9.2	Q2
IPI00303476	ATP5B	69.6	<1.0E-304	0.218	67	76.9	Q2
IPI00260090	ELMO2	22.3	1.75E-141	0.219	6	11.9	Q2
IPI00018274	EGFR	18.5	1.38E-94	0.219	12	22.5	Q2
IPI00002134	PSMD5	36.3	<1.0E-304	0.220	15	9.9	Q2
IPI00027497	GPI	43.7	<1.0E-304	0.221	24	30.7	Q2
IPI00220687	HM13	6.8	2.33E-23	0.221	4	13.7	Q2
IPI00783559	EXOC2	14.9	3.80E-100	0.222	8	25.8	Q2
IPI00215920	ARF6	30.3	7.67E-51	0.222	2	3.7	Q2
IPI00796919	GLB1	22.5	3.73E-190	0.223	17	15.7	Q2
IPI00016670	C11orf59	50.3	9.17E-88	0.224	6	15.1	Q2
IPI00410091	C11orf73	8.1	1.46E-02	0.225	2	23.5	Q2
IPI00910322	TPM4	33.1	<1.0E-304	0.226	11	78.3	Q2
IPI00021807	GBA	30.4	4.20E-201	0.226	16	23.2	Q2
IPI00019912	HSD17B4	55.2	<1.0E-304	0.227	38	26.8	Q2
IPI00023591	PURA	24.2	1.66E-171	0.230	5	14.9	Q2
IPI00009253	NAPA	54.2	4.36E-261	0.230	9	20.2	Q2
IPI00013466	ASNA1	33.3	1.51E-160	0.230	7	20.3	Q2
IPI00004416	CHMP2A	18.9	1.28E-05	0.230	4	7.2	Q2
IPI00219840	AP2S1	16.9	7.32E-04	0.232	3	2.0	Q2
IPI00009368	SFXN1	30.1	3.38E-49	0.232	2	25.1	Q2
IPI00301489	UROD	25.1	5.28E-37	0.233	5	5.6	Q2
IPI00017303	MSH2	4.6	1.14E-18	0.233	2	19.5	Q2
IPI00009329	UTRN	25.1	<1.0E-304	0.235	54	23.9	Q2
IPI00003925	PDHB	42.1	3.21E-225	0.235	14	64.7	Q2

IPI00216088	CRABP2	56.5	8.13E-54	0.238	10	8.9	Q2
IPI00294501	DHCR7	13.1	3.49E-192	0.241	4	5.0	Q2
IPI00444945	BAX	43.6	6.31E-144	0.242	3	15.4	Q2
IPI00657692	COL4A3BP	6.2	5.27E-23	0.243	2	6.7	Q2
IPI00012303	SELENBP1	25.5	2.44E-110	0.243	4	10.3	Q2
IPI00027438	FLOT1	29	2.84E-246	0.245	7	6.0	Q2
IPI00024364	TNPO1	24.4	1.18E-156	0.246	29	36.5	Q2
IPI00336016	CARS2	10.3	6.13E-20	0.246	2	1.1	Q2
IPI00873226	hTGP	1.3	2.86E-03	0.246	4	13.2	Q2
IPI00003004	SLC25A22	8.7	1.95E-57	0.247	2	11.8	Q2
IPI00023987	PPCS	24.1	6.44E-34	0.248	3	4.7	Q2
IPI00295209	SNX5	19.6	2.08E-33	0.249	4	28.7	Q2
IPI00022977	CKB	21.5	3.74E-132	0.249	3	6.4	Q2
IPI00852806	EXOC6B	8.8	1.32E-53	0.250	5	25.4	Q2
IPI00914566	FDPS	16.2	1.33E-20	0.250	5	4.5	Q2
IPI00180675	TUBA1A	61.6	<1.0E-304	0.250	154	76.5	Q2
IPI00007001	MRPL11	24.5	1.42E-16	0.251	3	9.7	Q2
IPI00100160	CAND1	41.8	<1.0E-304	0.251	69	48.1	Q2
IPI00009456	NT5E	47.7	<1.0E-304	0.251	16	9.4	Q2
IPI00647082	TBC1D13	2.5	1.08E-02	0.253	2	4.7	Q2
IPI00440493	ATP5A1	64	<1.0E-304	0.253	52	98.4	Q2
IPI00026942	ERLIN2	45.7	2.17E-287	0.253	12	9.5	Q2
IPI00470674	CYB5R1	28.9	1.55E-31	0.255	5	21.0	Q2
IPI00220873	PAPSS2	36.5	8.74E-298	0.255	12	6.5	Q2
IPI00022275	SACM1L	15.3	1.60E-29	0.255	3	5.5	Q2
IPI00013475	TUBB2A	20.9	<1.0E-304	0.255	16	47.2	Q2
IPI00916503	BZW1	30.6	1.07E-56	0.256	15	45.5	Q2
IPI00093057	CPOX	7.3	1.81E-21	0.257	4	7.3	Q2
IPI00024670	REEP5	20.6	1.54E-40	0.257	6	19.8	Q2
IPI00306301	PDHA1	19.6	7.03E-46	0.257	7	6.7	Q2
IPI00007426	ARL6IP5	28.2	1.36E-60	0.257	17	31.3	Q2
IPI00215719	RPL18	45.7	8.07E-78	0.257	14	59.6	Q2
IPI00873294	BLMH	6	1.97E-14	0.258	2	5.3	Q2

IPI00304189	OPTN	16.6	1.91E-58	0.259	6	20.8	Q2
IPI00007052	FIS1	34.2	2.49E-160	0.262	7	15.8	Q2
IPI00013004	PDXK	42	1.48E-267	0.262	7	8.7	Q2
IPI00029656	DFNA5	12.5	1.15E-37	0.262	6	10.2	Q2
IPI00607861	H6PD	30.2	1.47E-152	0.262	24	30.3	Q2
IPI00790342	RPL6	49.1	1.89E-198	0.263	22	48.2	Q2
IPI00887678	PPIA	55.6	<1.0E-304	0.263	51	91.3	Q2
IPI00024915	PRDX5	56.1	1.39E-294	0.264	18	16.6	Q2
IPI00029133	ATP5F1	43.4	7.87E-148	0.265	11	5.3	Q2
IPI00029723	FSTL1	12.7	4.42E-27	0.265	4	12.8	Q2
IPI00290279	ADK	27.1	6.67E-75	0.266	9	8.5	Q2
IPI00299149	SUMO2	23.2	1.87E-22	0.267	8	34.7	Q2
IPI00028564	GBP1	23.1	9.18E-48	0.267	3	7.2	Q2
IPI00829927	ARMC9	30.2	1.57E-227	0.267	12	68.1	Q2
IPI00465428	VPS13C	4.6	7.09E-49	0.268	8	19.5	Q2
IPI00027014	DCTN3	39.2	2.09E-18	0.268	11	106.3	Q2
IPI00217143	SDHA	36.7	1.38E-285	0.268	14	11.4	Q2
IPI00021812	AHNAK	78	<1.0E-304	0.268	1005	95.0	Q2
IPI00639841	PECI	7.6	9.56E-27	0.268	2	2.4	Q2
IPI00553067	CCDC132	5.9	4.15E-69	0.269	3	13.7	Q2
IPI00005707	MRC2	20.9	<1.0E-304	0.270	21	44.9	Q2
IPI00299977	PHPT1	63.2	2.07E-125	0.271	6	10.5	Q2
IPI00759776	ACTN1	57.2	<1.0E-304	0.274	121	47.1	Q2
IPI00015911	DLD	21.4	6.24E-224	0.274	10	20.8	Q2
IPI00170972	C9orf64	8.2	1.47E-05	0.274	2	3.6	Q2
IPI00009342	IQGAP1	67.7	<1.0E-304	0.275	164	64.6	Q2
IPI00748567	LIPA	8.2	3.33E-15	0.276	3	38.0	Q2
IPI00480142	CUL4B	29.2	2.76E-124	0.276	31	17.2	Q2
IPI00643920	TKT	55	<1.0E-304	0.278	69	72.1	Q2
IPI00014361	TSTA3	24.3	9.02E-96	0.279	5	8.7	Q2
IPI00024775	RAB7L1	10.8	1.55E-19	0.279	2	11.0	Q2
IPI00292771	NUMA1	31.3	<1.0E-304	0.279	38	24.0	Q2
IPI00291006	MDH2	63.6	<1.0E-304	0.282	33	18.4	Q2

IPI00000684	UAP1	20.9	6.10E-82	0.282	5	24.6	Q2
IPI00640817	AK1	50	2.51E-147	0.283	17	19.3	Q2
IPI00646762	NUDT5	53	1.00E-143	0.283	5	9.8	Q2
IPI00909772	AP2M1	37.4	2.19E-69	0.284	19	44.2	Q2
IPI00025796	NDUFS3	43.6	6.12E-182	0.284	5	14.5	Q2
IPI00642032	TXNL1	23.1	1.71E-113	0.284	7	48.4	Q2
IPI00072044	C11orf54	9.2	8.68E-14	0.285	3	9.7	Q2
IPI00107752	OPA1	11.4	5.18E-50	0.287	8	13.9	Q2
IPI00028051	VPS41	9.3	1.24E-69	0.287	6	18.1	Q2
IPI00018206	GOT2	36.7	4.29E-209	0.287	14	13.5	Q2
IPI00640525	PPGB	19.1	1.54E-91	0.288	12	27.5	Q2
IPI00305212	COMMD9	22.7	1.44E-58	0.288	3	27.7	Q2
IPI00007611	ATP5O	62.4	8.02E-236	0.289	11	14.7	Q2
IPI00014439	QDPR	34.8	7.79E-82	0.289	2	22.3	Q2
IPI00477118	TMEM214	27.6	7.19E-151	0.289	9	44.8	Q2
IPI00337541	NNT	29	<1.0E-304	0.292	21	9.5	Q2
IPI00019269	WDR61	31.5	3.39E-104	0.293	3	13.1	Q2
IPI00024403	CPNE3	25.7	7.78E-114	0.293	10	15.8	Q2
IPI00871815	LNPEP	17.1	7.84E-111	0.294	12	45.2	Q2
IPI00033600	PPP1R7	35.6	1.02E-161	0.294	10	19.0	Q2
IPI00419721	EPM2AIP1	6.1	1.26E-12	0.295	2	26.1	Q2
IPI00329801	ANXA5	80.3	<1.0E-304	0.296	100	43.0	Q2
IPI00003833	MTCH2	48.2	2.08E-214	0.297	7	14.8	Q2
IPI00411886	NOC2L	9.3	5.66E-08	0.298	4	8.2	Q2
IPI00298406	HADH	26.2	2.02E-132	0.299	11	6.7	Q2
IPI00217563	ITGB1	26.1	9.04E-209	0.300	37	23.0	Q2
IPI00013808	ACTN4	78.7	<1.0E-304	0.301	217	59.2	Q2
IPI00294159	SLC25A1	40.2	3.24E-52	0.302	9	9.2	Q2
IPI00221226	ANXA6	81.7	<1.0E-304	0.302	121	28.2	Q2
IPI00169285	PLBD2	19.5	1.41E-49	0.305	12	8.6	Q2
IPI00021440	ACTG1	79.5	<1.0E-304	0.305	315	61.3	Q2
IPI00220342	DDAH1	27.4	4.56E-26	0.305	4	3.1	Q2
IPI00873829	ACAA2	28.7	2.96E-162	0.307	6	5.4	Q2

IPI00024661	SEC24C	19.3	3.26E-100	0.308	19	123.8	Q2
IPI00022348	PML	11.7	1.54E-20	0.308	8	26.7	Q2
IPI00003438	DNAJC8	28.9	9.40E-29	0.309	3	0.3	Q2
IPI00329719	MYO1D	54.9	<1.0E-304	0.309	55	77.8	Q2
IPI00291643	SPRYD4	8.2	7.60E-04	0.310	3	1.3	Q2
IPI00549736	ASCC2	6.9	1.04E-21	0.311	3	2.6	Q2
IPI00001580	FYCO1	35.6	<1.0E-304	0.311	34	67.7	Q2
IPI00291467	SLC25A6	64.1	7.31E-173	0.311	33	72.2	Q2
IPI00220487	ATP5H	63.4	1.88E-114	0.312	8	11.0	Q2
IPI00013912	C1orf198	15.9	5.38E-17	0.315	3	1.1	Q2
IPI00031564	GGCT	16.5	1.16E-12	0.318	3	32.5	Q2
IPI00025318	SH3BGRL	56.1	5.58E-74	0.319	7	11.9	Q2
IPI00742968	HLA-A	55.9	<1.0E-304	0.321	20	47.1	Q2
IPI00220906	ACOT2	23	9.13E-191	0.322	3	6.9	Q2
IPI00009507	SYPL1	8.5	1.05E-20	0.323	2	27.9	Q2
IPI00016457	CRAT	16	1.40E-37	0.324	3	13.3	Q2
IPI00300599	CTSK	46.5	<1.0E-304	0.324	17	17.6	Q2
IPI00889514	HEATR7A	6.8	4.14E-55	0.324	6	17.1	Q2
IPI00412492	PLXND1	2.3	1.21E-14	0.325	3	1.7	Q2
IPI00013508	ACTN1	2.5	<1.0E-304	0.325	2	1.9	Q2
IPI00748360	KIAA1797	6.1	1.94E-26	0.328	9	18.4	Q2
IPI00005634	TTC37	12.7	2.51E-177	0.328	10	14.2	Q2
IPI00642374	UCHL5	11.1	6.56E-11	0.329	3	12.9	Q2
IPI00296053	FH	37.6	<1.0E-304	0.332	10	11.3	Q2
IPI00016801	GLUD1	47	2.32E-290	0.333	21	22.3	Q2
IPI00798102	VPS29	33.6	3.43E-38	0.335	4	3.5	Q2
IPI00217272	AACS	7.6	1.16E-08	0.336	5	104.1	Q2
IPI00479877	ALDH9A1	31.7	1.22E-154	0.337	9	7.3	Q2
IPI00872808	DOCK1	6.3	2.33E-24	0.337	6	13.6	Q2
IPI00514587	SARS	36.9	1.38E-154	0.339	13	10.1	Q2
IPI00019427	EXOC1	8.6	4.57E-27	0.343	3	8.0	Q2
IPI00025366	CS	39.1	3.20E-140	0.347	15	14.2	Q2
IPI00923582	SCRN1	24.9	4.05E-120	0.348	8	11.3	Q2

IPI00152981	ACAD9	31.2	7.42E-136	0.348	10	21.1	Q2
IPI00419250	GSTT2	41.4	2.01E-76	0.350	3	11.4	Q2
IPI00215777	SLC25A3	43.5	5.51E-213	0.350	12	10.9	Q2
IPI00790757	DUSP3	38.1	1.17E-147	0.351	7	23.1	Q2
IPI00013976	LAMB1	14.3	1.06E-183	0.352	16	24.4	Q2
IPI00027107	TUFM	49.7	2.29E-167	0.352	16	38.7	Q2
IPI00760846	MYO18A	4.6	2.28E-26	0.353	4	28.4	Q2
IPI00478834	ARGLU1	10.6	1.52E-02	0.353	2	12.6	Q2
IPI00147874	NANS	27.9	6.42E-59	0.354	6	8.6	Q2
IPI00011302	CD59	25	4.12E-32	0.355	6	4.1	Q2
IPI00329536	EEA1	60.2	<1.0E-304	0.356	72	17.6	Q2
IPI00013290	HDFGRP2	7.5	1.44E-55	0.359	5	19.9	Q2
IPI00871176	NIPSNAP3A	24	6.26E-25	0.360	2	16.5	Q2
IPI00012426	SCPEP1	18.1	1.53E-38	0.361	6	20.6	Q2
IPI00031109	NDUFAF2	20.1	4.65E-54	0.362	2	18.7	Q2
IPI00006971	CD248	2.4	5.63E-04	0.362	4	45.2	Q2
IPI00003482	DECR1	33.1	5.60E-145	0.363	10	14.9	Q2
IPI00008234	CYB5R2	33	1.94E-17	0.365	2	4.2	Q2
IPI00383046	CMBL	19.6	1.51E-09	0.365	6	29.8	Q2
IPI00744706	SPTAN1	61.9	<1.0E-304	0.366	167	48.5	Q2
IPI00005737	SURF4	18.6	2.18E-148	0.368	12	67.5	Q2
IPI00016342	RAB7A	83.1	<1.0E-304	0.368	30	21.8	Q2
IPI00294779	VDAC3	32	5.16E-74	0.368	5	14.9	Q2
IPI00744637	RUFY1	19.9	6.87E-98	0.368	11	20.5	Q2
IPI00654820	MT-ATP6	6.8	1.53E-07	0.369	2	5.1	Q2
IPI00221234	ALDH7A1	41.6	<1.0E-304	0.369	11	14.7	Q2
IPI00550364	PGM2	13.6	2.66E-28	0.369	2	31.8	Q2
IPI00024067	CLTC	69.2	<1.0E-304	0.370	237	59.2	Q2
IPI00470529	GPNMB	5.8	9.65E-109	0.370	16	58.3	Q2
IPI00337494	SLC25A24	37.5	9.32E-172	0.371	8	8.1	Q2
IPI00419596	MOXD1	3.9	1.02E-02	0.372	4	11.7	Q2
IPI00030702	IDH3A	30.1	2.63E-98	0.373	7	9.6	Q2
IPI00856049	RPL22L1	39.3	2.50E-28	0.373	2	4.3	Q2

IPI00016862	GSR	10.3	1.32E-25	0.373	3	4.1	Q2
IPI00075248	CALM1	78.5	<1.0E-304	0.376	9	14.4	Q2
IPI00173359	UACA	16	2.65E-133	0.379	13	18.3	Q2
IPI00237884	AKAP12	33.7	<1.0E-304	0.381	55	68.6	Q2
IPI00012828	ACAA1	15.3	2.02E-160	0.381	4	4.5	Q2
IPI00002745	CTSZ	15.8	1.04E-49	0.383	4	7.6	Q2
IPI00739099	COL5A2	1.3	1.07E-03	0.383	2	142.9	Q2
IPI00465059	RHOT2	5.2	9.91E-26	0.390	2	12.7	Q2
IPI00002188	ARFGEF1	3.6	3.98E-48	0.391	5	68.2	Q2
IPI00419237	LAP3	40.7	4.38E-179	0.394	10	6.4	Q2
IPI00026215	FEN1	13.2	3.66E-28	0.395	2	8.1	Q2
IPI00299086	SDCBP	65.1	<1.0E-304	0.398	26	18.8	Q2
IPI00216719	ERC1	21.2	4.77E-150	0.406	8	13.4	Q2
IPI00006957	DHRS7	7.7	1.24E-13	0.406	3	18.5	Q2
IPI00017510	MT-CO2	35.2	8.72E-133	0.407	8	35.3	Q2
IPI00013860	HIBADH	34.2	3.29E-190	0.407	6	10.4	Q2
IPI00009634	SQRDL	26	1.27E-109	0.409	10	6.3	Q2
IPI00179330	RPS27A	42.3	1.53E-80	0.412	71	24.1	Q2
IPI00007188	SLC25A5	19.5	4.73E-161	0.412	7	8.2	Q2
IPI00005794	PGCP	6.7	9.90E-21	0.414	3	14.4	Q2
IPI00034159	ATP6V0D1	21.4	7.08E-56	0.414	5	6.2	Q2
IPI00007750	TUBA4A	10.7	<1.0E-304	0.420	13	69.3	Q2
IPI00016372	RAB9A	27.4	1.95E-61	0.420	2	16.0	Q2
IPI00006579	COX4I1	43.2	4.77E-42	0.420	4	3.3	Q2
IPI00019755	GSTO1	51	2.02E-72	0.420	21	45.3	Q2
IPI00001699	PYCARD	42.6	2.23E-62	0.421	2	1.9	Q2
IPI00306516	TIMM44	16.6	1.69E-32	0.422	2	3.4	Q2
IPI00103467	ALDH1B1	23.8	6.40E-265	0.422	9	21.1	Q2
IPI00293073	MFN1	5.7	2.12E-46	0.423	3	14.0	Q2
IPI00027505	ITGAV	30.5	1.40E-301	0.424	47	20.0	Q2
IPI00396231	AER61	8.3	8.76E-24	0.425	2	8.8	Q2
IPI00639812	MGST3	16.9	1.83E-97	0.427	4	27.3	Q2
IPI00005966	NDUFA12	14.4	1.89E-06	0.432	3	9.8	Q2

IPI00008485	ACO1	45.1	<1.0E-304	0.434	45	10.4	Q2
IPI00215824	PSMB8	25.4	1.37E-67	0.434	4	20.4	Q2
IPI00298281	LAMC1	19	<1.0E-304	0.435	20	15.4	Q2
IPI00874185	HIBCH	15.9	7.42E-40	0.436	3	31.4	Q2
IPI00018600	OPA3	13.4	2.74E-02	0.436	2	12.5	Q2
IPI00184363	GLTP	17.7	1.49E-60	0.436	4	13.9	Q2
IPI00007676	HSD17B12	35.6	6.98E-92	0.440	5	22.0	Q2
IPI00028520	NDUFV1	18.3	8.57E-52	0.441	4	5.3	Q2
IPI00003968	NDUFA9	24.4	5.07E-41	0.441	4	2.2	Q2
IPI00030363	ACAT1	46.4	<1.0E-304	0.446	16	8.1	Q2
IPI00007155	VPS28	26.2	4.27E-102	0.447	2	38.4	Q2
IPI00218343	TUBA1C	12.2	<1.0E-304	0.447	24	43.3	Q2
IPI00413696	CD47	4.9	5.48E-03	0.449	5	7.6	Q2
IPI00008575	KHDRBS1	18.5	5.43E-54	0.449	2	7.9	Q2
IPI00008787	NAGLU	26.8	9.07E-267	0.457	11	7.6	Q2
IPI00927614	GOLGA4	11.3	2.30E-86	0.459	11	19.7	Q2
IPI00027341	CAPG	44.5	7.58E-151	0.459	8	54.2	Q2
IPI00000105	MVP	70.5	<1.0E-304	0.460	95	48.2	Q2
IPI00513761	RP3	24.6	7.27E-144	0.462	3	16.0	Q2
IPI00293564	HMGCL	25.8	5.58E-76	0.466	5	14.9	Q2
IPI00003856	ATP6V1E1	45.6	6.48E-72	0.470	8	7.7	Q2
IPI00007682	ATP6V1A	57.9	<1.0E-304	0.472	21	9.7	Q2
IPI00027745	GUSB	6	1.10E-04	0.473	2	14.5	Q2
IPI00871932	SPTBN1	55.7	<1.0E-304	0.473	130	40.5	Q2
IPI00329685	ARSA	12	2.11E-97	0.480	3	12.3	Q2
IPI00852987	TYMP	27.3	2.45E-142	0.481	3	10.7	Q2
IPI00012102	GNS	38.2	6.25E-250	0.483	30	62.2	Q2
IPI00293074	SLC44A2	6.5	2.16E-07	0.486	2	16.1	Q2
IPI00026105	SCP2	28.7	1.95E-115	0.491	10	11.4	Q2
IPI00003411	PTGIS	34.4	8.82E-172	0.491	13	7.7	Q2
IPI00024983	RTN2	3.1	8.32E-04	0.493	2	2.6	Q2
IPI00793199	ANXA4	61.1	<1.0E-304	0.494	38	13.2	Q2
IPI00873452	LMCD1	40.1	2.97E-139	0.498	9	13.3	Q2

IPI00217766	SCARB2	33.5	4.43E-111	0.498	23	19.0	Q2
IPI00294834	ASPH	39.4	<1.0E-304	0.499	34	11.2	Q2
IPI00789848	IVD	13.4	3.89E-08	0.500	4	10.7	Q2
IPI00026964	UQCRFS1	19	2.79E-36	0.503	2	19.6	Q3
IPI00154567	SPATA20	8.4	8.70E-44	0.504	3	4.8	Q3
IPI00007084	SLC25A13	23.1	6.33E-230	0.509	7	8.9	Q3
IPI00221224	ANPEP	49.8	<1.0E-304	0.509	168	48.3	Q3
IPI00297452	TFG/ALK fusion	3.1	1.20E-04	0.513	4	146.2	Q3
IPI00257882	PEPD	31.8	5.52E-238	0.517	17	13.0	Q3
IPI00293088	GAA	24.5	<1.0E-304	0.526	18	45.8	Q3
IPI00008494	ICAM1	18.8	3.11E-82	0.530	9	30.7	Q3
IPI00913938	IPO11	3.9	3.79E-06	0.530	2	238.1	Q3
IPI00295741	CTSB	46.9	<1.0E-304	0.531	20	52.0	Q3
IPI00410631	FAM45A	4.8	2.64E-04	0.531	2	32.9	Q3
IPI00100460	DARS2	6	5.75E-09	0.533	3	14.9	Q3
IPI00442121	ALAD	13.1	1.46E-38	0.536	3	56.5	Q3
IPI00029264	CYC1	10.8	5.89E-40	0.539	3	38.1	Q3
IPI00440703	GSTK1	39.7	1.16E-177	0.539	8	8.4	Q3
IPI00551024	DAK	12.9	3.26E-53	0.540	2	6.8	Q3
IPI00027851	HEXA	27.8	8.83E-165	0.540	10	19.1	Q3
IPI00305383	UQCRC2	37.7	2.29E-229	0.542	12	7.1	Q3
IPI00026850	TSPO	18.3	1.90E-39	0.544	3	6.3	Q3
IPI00555902	OCIAD2	20.8	8.42E-06	0.544	2	23.0	Q3
IPI00021983	NCSTN	14.5	5.03E-45	0.545	17	31.5	Q3
IPI00025285	ATP6V1G1	44.9	9.84E-101	0.547	3	3.6	Q3
IPI00027444	SERPINB1	14.5	1.30E-40	0.547	5	12.4	Q3
IPI00013933	DSP	13.7	7.13E-184	0.572	6	66.7	Q3
IPI00291483	AKR1C3	40.6	3.78E-102	0.576	9	19.0	Q3
IPI00007814	ATP6V1C1	29.6	5.46E-135	0.578	9	13.5	Q3
IPI00884105	LAMP1	15.3	1.02E-163	0.578	28	23.9	Q3
IPI00156689	VAT1	61.3	<1.0E-304	0.578	47	25.2	Q3
IPI00299066	LPXN	22	2.03E-151	0.584	2	3.8	Q3
IPI00097495	TBC1D2	17.7	1.15E-69	0.588	7	41.1	Q3

IPI00033036	METAP2	8.4	2.62E-40	0.594	2	9.7	Q3
IPI00009803	ITGA4	2.3	1.19E-06	0.595	3	28.9	Q3
IPI00007812	ATP6V1B2	53.6	<1.0E-304	0.598	18	11.0	Q3
IPI00215997	CD9	4.4	4.43E-08	0.600	4	20.3	Q3
IPI00098902	OGDH	29.8	3.36E-217	0.600	20	55.0	Q3
IPI00017567	ENG	14.4	1.25E-82	0.604	4	12.0	Q3
IPI00022462	TFRC	38.9	1.83E-276	0.621	36	63.4	Q3
IPI00607799	BDH2	36.3	4.94E-94	0.633	2	6.0	Q3
IPI00554538	TPP1	18.7	<1.0E-304	0.633	7	9.2	Q3
IPI00013744	ITGA2	15.5	2.95E-237	0.638	10	18.3	Q3
IPI00296191	ATP6V1H	33.1	1.51E-212	0.639	6	4.6	Q3
IPI00296141	DPP7	16.3	1.20E-35	0.644	3	50.5	Q3
IPI00796891	GOLGB1	27.3	<1.0E-304	0.646	25	18.3	Q3
IPI00657648	EPDR1	11.9	8.74E-21	0.655	4	11.6	Q3
IPI00045798	GPX7	13.9	4.33E-02	0.664	2	2.3	Q3
IPI00003807	ACP2	15.8	6.09E-28	0.665	3	3.7	Q3
IPI00289819	IGF2R	15.2	1.02E-217	0.668	27	32.3	Q3
IPI00009305	GNPDA1	57.1	1.91E-170	0.673	11	30.2	Q3
IPI00013847	UQCRC1	34.6	1.45E-123	0.680	8	5.5	Q3
IPI00030371	TRIM4	2.2	2.43E-01	0.684	13	68.0	Q3
IPI00019988	SGSH	23.5	1.03E-90	0.691	3	19.5	Q3
IPI00023191	TOM1	11.4	1.65E-103	0.692	2	6.5	Q3
IPI00295461	FAP	1.4	3.77E-280	0.696	2	24.3	Q3
IPI00020557	LRP1	25.7	<1.0E-304	0.699	178	35.1	Q3
IPI00871988	SFXN3	47.7	4.61E-183	0.714	13	14.6	Q3
IPI00399307	PRCP	18	3.12E-173	0.730	6	46.1	Q3
IPI00007117	SERPINB2	27.7	1.26E-233	0.739	3	10.3	Q3
IPI00739827	LAMP2	12.9	5.78E-35	0.739	19	30.6	Q3
IPI00260715	FUS	19.3	1.47E-215	0.744	4	224.8	Q3
IPI00005107	NPC1	15.3	3.03E-152	0.744	27	34.0	Q3
IPI00012585	HEXB	36	6.45E-127	0.746	25	16.2	Q3
IPI00294186	LACTB	6.2	6.43E-61	0.757	2	13.6	Q3
IPI00298476	GREM1	31	6.67E-47	0.764	2	83.2	Q3

IPI00477962	UAP1L1	18.5	4.40E-117	0.771	5	6.5	Q3
IPI00215998	CD63	13.4	5.96E-16	0.784	29	19.6	Q3
IPI00218914	ALDH1A1	68.5	<1.0E-304	0.788	53	25.8	Q3
IPI00002824	CSRP2	61.7	7.58E-69	0.815	7	34.8	Q3
IPI00029741	ITGB5	7.8	2.25E-45	0.846	2	5.5	Q3
IPI00479145	KRT19	29	2.01E-66	0.847	4	46.7	Q3
IPI00219684	FABP3	80.5	8.04E-83	0.853	15	14.4	Q3
IPI00019502	MYH9	75.4	<1.0E-304	0.895	743	66.2	Q3
IPI00465315	CYCS	55.2	1.01E-55	0.915	4	15.0	Q3
IPI00410488	CD276	29.4	6.27E-101	0.944	6	32.4	Q3
IPI00909642	FLNA	0.6	<1.0E-304	0.952	4	152.3	Q3
IPI00015102	ALCAM	25.2	9.58E-171	0.980	10	19.4	Q3
IPI00913924	LRRC15	25.9	7.68E-125	1.089	7	12.3	Q3
IPI00152535	CHD5	0.4	2.15E-69	1.090	3	211.4	Q3
IPI00022200	COL6A3	54.5	<1.0E-304	1.099	500	131.4	Q3
IPI00872692	QPRT	17.9	1.62E-42	1.150	5	8.4	Q3
IPI00012119	DCN	21.4	1.22E-40	1.240	5	50.4	Q3
IPI00021978	PEX11B	15.8	8.31E-04	1.361	2	216.2	Q3
IPI00304577	AP2A1	48.8	<1.0E-304	1.500	74	241.4	Q3
IPI00872194	COLEC12	10.2	8.64E-24	1.513	5	140.5	Q3
IPI00514914	DIAPH2	4.3	3.93E-11	1.622	3	229.1	Q3
IPI00018953	DPP4	41.9	<1.0E-304	1.888	46	27.0	Q3
IPI00180386	GYG1	19.7	3.32E-104	1.975	4	8.0	Q3
IPI00333541	FLNA	72.9	<1.0E-304	2.277	868	141.4	Q3
IPI00010790	BGN	32.1	2.49E-37	2.303	15	49.5	Q3
IPI00420088	KIAA0174	7.5	9.34E-03	2.305	3	118.6	Q3
IPI00010157	MAT2A	17.2	3.42E-86	2.371	3	307.0	Q3
IPI00420108	DLST	24.3	1.29E-128	2.922	10	258.0	Q3
IPI00020987	PRELP	10.2	2.65E-40	2.941	2	42.4	Q3
IPI00743696	COL4A1	4	1.82E-08	3.249	3	116.9	Q3
IPI00032473	PPIL3	26.1	3.25E-19	3.433	3	7.1	Q3
IPI00306322	COL4A2	2	1.71E-16	3.514	4	61.4	Q3
IPI00002606	SCIN	7.1	3.37E-12	3.532	2	7.0	Q3

Supplementary Table 3: Keratinocyte control. Cell lysates were prepared from unlabeled (Arg0/Lys0) and labeled (Arg10/Lys8) keratinocytes after 7 cell doublings in culture (D7). Shown are normalized log₂ transformed protein ratios of identified proteins. For identification a minimum of 2 peptides per protein has to be identified (unique + razor). The database used for identification was a decoy database based on IPI v. 3.59 containing in total 160,820 entries. As a criterium for identification the posterior error probability rate of identified proteins (PEP) is shown. The peptide numbers represent peptides used for quantitation.

Protein ID	Gene Symbol	Unique + Razor Sequence Coverage [%]	PEP	Log ₂ Ratio	Peptide No.	Variability [%]	Quantile
IPI00456048;I	COMMD2	7.5	8.87E-07	-2.071	2	219.7	Q1
IPI00794221;I	DBN1	19.4	3.45E-256	-1.037	2	103.5	Q1
IPI00169285	PLBD2	4.9	2.88E-09	-1.026	4	59.8	Q1
IPI00922476;I	EVPL	16	1.39E-170	-0.786	2	63.9	Q1
IPI00306290;I	XPOT	11	5.28E-114	-0.679	2	45.7	Q1
IPI00744015;I	DYNC112	9.2	1.91E-57	-0.675	2	70.3	Q1
IPI00025717;I	MTX2	8.7	3.57E-04	-0.588	2	68.4	Q1
IPI00845319;I	EPN3	2.6	9.80E-08	-0.546	2	4.4	Q1
IPI00023728	GGH	18.2	4.05E-40	-0.529	3	48.3	Q1
IPI00102501;I	AGTRAP	18.9	4.55E-29	-0.492	3	19.3	Q2
IPI00028451	SOX15	13.3	3.97E-10	-0.484	2	40.0	Q2
IPI00386516;I	KIAA0174	11.3	2.46E-05	-0.472	2	18.2	Q2
IPI00796919;I	GLB1	5	7.35E-10	-0.459	2	24.4	Q2
IPI00177716;I	HMGA1	14.6	7.33E-05	-0.449	2	5.7	Q2
IPI00099986;I	FN3KRP	9.1	2.17E-02	-0.438	3	53.4	Q2
IPI00102685;I	MYADM	3.1	7.34E-03	-0.419	2	6.0	Q2
IPI00022403;I	MRPL13	38.8	1.55E-12	-0.389	4	13.4	Q2
IPI00005670;I	CDC123	8	1.26E-07	-0.342	2	9.4	Q2
IPI00910797;I	NDFIP2	4.5	1.64E-01	-0.320	2	69.3	Q2
IPI00013706;I	MRPL20	21.5	3.30E-17	-0.300	4	15.7	Q2
IPI00013002;I	UBE2C	31.8	3.04E-49	-0.291	2	10.9	Q2
IPI00925918;I	CCDC12	15.1	7.93E-06	-0.290	2	26.7	Q2
IPI00003479;I	MAPK1	40.6	3.08E-51	-0.288	5	18.8	Q2
IPI00024523;I	DNAJB6	6.4	3.65E-13	-0.288	2	9.8	Q2
IPI00296099;C	THBS1	33.7	3.92E-300	-0.285	8	19.4	Q2
IPI00412243	KIAA1609	15.8	2.44E-65	-0.283	3	21.9	Q2

IPI00301202;l	MAGT1	7.4	9.99E-10	-0.282	2	15.6	Q2
IPI00019450;l	TROVE2	11.7	2.53E-58	-0.280	3	10.7	Q2
IPI00398009;l	IPO4	10.4	3.85E-70	-0.279	2	2.7	Q2
IPI00012069;l	NQO1	28.1	1.62E-22	-0.277	7	5.5	Q2
IPI00217223	PAICS	3.3	1.12E-177	-0.269	2	1.7	Q2
IPI00009822;l	SRP54	26	1.46E-178	-0.262	2	2.8	Q2
IPI00180954;l	CIRBP	20.9	2.10E-39	-0.258	3	2.0	Q2
IPI00019488	IMP3	25	2.41E-68	-0.255	2	21.7	Q2
IPI00009949;l	PSMF1	26.6	4.93E-77	-0.255	4	9.2	Q2
IPI00306439;l	C18orf55	11.3	4.65E-06	-0.253	3	9.5	Q2
IPI00031836;l	DRG1	28.6	1.03E-85	-0.241	4	10.6	Q2
IPI00419266	NDUFA6	22.1	8.09E-05	-0.241	4	10.1	Q2
IPI00025461;l	MT1E	32.8	9.74E-40	-0.239	2	2.1	Q2
IPI00216260;l	TSFM	34.4	2.00E-94	-0.236	3	20.5	Q2
IPI00651738	ADI1	19.6	2.59E-19	-0.232	3	0.6	Q2
IPI00513805;l	MRPS18A	15.6	2.61E-07	-0.232	2	21.3	Q2
IPI00022498;l	MT2A	67.2	3.59E-114	-0.232	8	8.6	Q2
IPI00016703;l	DHCR24	17.6	6.53E-47	-0.227	4	15.4	Q2
IPI00005737;l	SURF4	18.6	1.24E-54	-0.227	2	6.9	Q2
IPI00012382;l	SNRPA	15.2	3.98E-11	-0.227	6	20.8	Q2
IPI00013241;l	UBL5	49.3	1.67E-09	-0.227	5	7.0	Q2
IPI00441473;l	PRMT5	20.7	1.19E-111	-0.227	5	11.0	Q2
IPI00008475;l	HMGCS1	44.2	<1.0E-304	-0.225	23	7.2	Q2
IPI00022348;l	PML	5.1	1.52E-11	-0.225	2	11.5	Q2
IPI00048572	PTRH1	15	6.16E-11	-0.225	3	4.0	Q2
IPI00923606;l	EPRS	29	<1.0E-304	-0.224	4	23.6	Q2
IPI00031650;l	NUDT16L1	23.2	3.13E-34	-0.221	2	8.2	Q2
IPI00220648	PMVK	40.1	4.71E-51	-0.220	5	21.9	Q2
IPI00013679;l	DUT	34.9	7.03E-188	-0.220	13	19.1	Q2
IPI00793155;l	RAB34	22.2	8.25E-24	-0.218	5	27.0	Q2
IPI00008215	ME1	11.2	6.49E-26	-0.215	2	12.2	Q2
IPI00065671;l	UCK2	18.8	1.65E-42	-0.213	3	3.1	Q2
IPI00396131	YTHDF3	7.8	5.36E-05	-0.212	3	13.3	Q2
IPI00029079;l	GMPS	28.1	3.23E-259	-0.211	2	19.1	Q2
IPI00022305;l	BZW2	15.5	4.13E-80	-0.210	2	0.9	Q2

IPI00917683;l	SUMO1	29.5	1.96E-13	-0.208	4	14.2	Q2
IPI00015953;l	DDX21	45.1	<1.0E-304	-0.207	12	16.1	Q2
IPI00182757;l	KIAA1967	19	5.92E-96	-0.207	3	8.3	Q2
IPI00418446	ASAH1	11.7	1.02E-09	-0.205	5	63.7	Q2
IPI00027180	ZMPSTE24	12.4	3.96E-63	-0.204	4	5.9	Q2
IPI00297211	SMARCA5	29.5	2.77E-176	-0.202	3	39.8	Q2
IPI00396171;l	MAP4	42.9	3.87E-278	-0.202	6	17.8	Q2
IPI00154590;l	MKI67IP	21.5	2.30E-82	-0.199	5	9.9	Q2
IPI00003096	IL1A	31	1.92E-166	-0.199	5	4.6	Q2
IPI00032853;l	NOP10	37.5	1.04E-03	-0.198	5	24.5	Q2
IPI00100154;l	TOLLIP	25.2	1.45E-37	-0.197	4	118.5	Q2
IPI00215888;l	SRP72	22.7	1.91E-202	-0.197	3	15.8	Q2
IPI00640525;l	PPGB	9	3.48E-53	-0.196	2	1.8	Q2
IPI00298851	CD151	9.9	7.41E-04	-0.195	2	19.7	Q2
IPI00395694;l	TNPO3	6.8	6.63E-123	-0.193	2	35.6	Q2
IPI00217553	MRPL41	38.7	6.73E-34	-0.191	5	11.9	Q2
IPI00031526	C19orf43	19.9	2.18E-09	-0.188	3	11.3	Q2
IPI00642904;l	PABPC4	10.6	2.84E-224	-0.188	6	6.0	Q2
IPI00896498;l	MMP14	7.7	1.04E-21	-0.187	3	33.7	Q2
IPI00021266;l	RPL23A	46.8	6.22E-59	-0.187	25	15.0	Q2
IPI00100656;l	GPSN2	23.1	9.54E-26	-0.186	13	9.3	Q2
IPI00784414;l	STAT3	15.1	9.58E-62	-0.186	3	4.7	Q2
IPI00790743;l	RPL36AL	7.2	2.51E-22	-0.185	7	25.4	Q2
IPI00030877;l	40436	12.7	1.46E-15	-0.181	3	14.9	Q2
IPI00642032;l	TXNL1	41.5	1.28E-167	-0.179	6	8.3	Q2
IPI00455153;l	NFU1	26	2.06E-27	-0.179	2	20.9	Q2
IPI00024320;l	RBM3	31.8	5.33E-62	-0.177	9	5.6	Q2
IPI00020004;l	TMEM97	10.2	7.77E-04	-0.176	2	1.2	Q2
IPI00022228;l	HDLBP	39.1	<1.0E-304	-0.176	2	13.8	Q2
IPI00414860;l	RPL37A	51.1	3.02E-52	-0.176	11	10.4	Q2
IPI00456925;l	DBNL	38.6	5.59E-94	-0.174	4	44.6	Q2
IPI00026665;l	QARS	43.8	5.04E-217	-0.174	9	21.8	Q2
IPI00550894;l	GNPDA2	10.5	6.04E-88	-0.173	3	16.7	Q2
IPI00513971;l	RPS27	40.5	1.61E-29	-0.172	10	8.4	Q2
IPI00004459	DIMT1L	23	4.00E-23	-0.172	4	4.9	Q2

IPI00001560;l	CDKN2A	37.7	9.51E-68	-0.171	3	10.2	Q2
IPI00791086;l	EIF3D	18.8	2.25E-177	-0.170	4	9.2	Q2
IPI00477982;l	RPS6KA1	13.4	3.44E-71	-0.169	6	27.5	Q2
IPI00007087;l	FBXO2	25	2.00E-55	-0.168	4	4.7	Q2
IPI00646839;l	EIF3CL	26.1	1.46E-118	-0.167	10	8.2	Q2
IPI00456940;l	RPL7L1	22.8	4.06E-22	-0.167	6	7.9	Q2
IPI00292354;l	RNF181	17.6	3.65E-06	-0.166	3	7.5	Q2
IPI00328319;l	RBBP4	18.8	5.61E-39	-0.166	3	17.0	Q2
IPI00910513;l	GSPT1	18.2	2.30E-69	-0.165	8	11.7	Q2
IPI00552277;l	UBL4A	28.3	1.44E-16	-0.165	5	8.1	Q2
IPI00032879;l	AK6	23.8	7.90E-39	-0.165	2	1.2	Q2
IPI00926648;l	APEH	13.4	3.97E-69	-0.164	4	10.3	Q2
IPI00013871	RRM1	23	1.50E-114	-0.163	2	26.1	Q2
IPI00644386;l	FUBP1	25.6	3.42E-146	-0.161	7	10.8	Q2
IPI00032460;l	LSM2	18.9	1.61E-10	-0.158	3	17.8	Q2
IPI00307223;l	IL1B	19.3	3.29E-21	-0.156	6	4.8	Q2
IPI00016605;l	C1orf123	15	6.09E-03	-0.156	3	14.1	Q2
IPI00291646;l	MTHFD1L	14.3	3.08E-75	-0.155	4	14.3	Q2
IPI00026904;l	ADSL	11.8	7.09E-19	-0.155	2	4.3	Q2
IPI00413324;l	RPL17	55.4	4.13E-90	-0.155	15	57.1	Q2
IPI00290337	EPS8	1.3	8.80E-02	-0.153	5	8.7	Q2
IPI00029665;l	MMAB	8	3.49E-08	-0.153	3	11.8	Q2
IPI00010349;l	AGPS	15.3	4.59E-151	-0.152	2	0.8	Q2
IPI00550523;l	ATL3	22.7	7.30E-173	-0.151	6	10.3	Q2
IPI00479905;l	NDUFB10	51.2	1.30E-45	-0.151	3	7.4	Q2
IPI00872664;l	USP14	26.3	4.57E-94	-0.151	8	13.2	Q2
IPI00166785;l	MMGT1	7.7	3.30E-03	-0.149	3	21.7	Q2
IPI00032831;l	SNAP29	12	2.73E-16	-0.149	3	8.8	Q2
IPI00218466;l	SEC61A1	8.3	1.52E-09	-0.148	5	9.8	Q2
IPI00745105;l	C16orf13	25.5	1.04E-39	-0.148	4	9.3	Q2
IPI00430812;l	CNBP	26.6	3.58E-48	-0.147	3	13.4	Q2
IPI00028390	MRPL34	23.9	1.93E-03	-0.147	2	12.2	Q2
IPI00012833	PPP4C	27	9.68E-147	-0.146	4	13.9	Q2
IPI00022648;l	EIF5	28.3	3.07E-103	-0.146	4	24.3	Q2
IPI00013146;l	MRPS22	31.7	5.64E-59	-0.144	3	21.3	Q2

IPI00180240;l	TMSL3	31.8	1.12E-24	-0.144	3	13.8	Q2
IPI00025347;l	EMG1	38.1	1.00E-72	-0.144	3	7.7	Q2
IPI00006970	MRPS2	13.2	1.40E-10	-0.143	4	5.9	Q2
IPI00031629;l	PDCL3	34.7	1.74E-92	-0.142	2	15.6	Q2
IPI00871843;l	TGM2	21.6	1.09E-135	-0.142	12	12.4	Q2
IPI00217018;l	SAMD9	3	3.82E-13	-0.142	2	19.6	Q2
IPI00007691;l	TRAPPC4	40.2	2.65E-46	-0.141	4	7.5	Q2
IPI00020191;l	PTP4A2	18.6	5.44E-09	-0.141	2	1.1	Q2
IPI00657888;l	GMPPA	11.6	3.35E-108	-0.141	3	10.0	Q2
IPI00005740;l	COX4NB	29	9.08E-29	-0.140	4	41.7	Q2
IPI00514501;l	C1orf57	33.8	8.34E-48	-0.140	4	5.6	Q2
IPI00019326	FDX1	9.8	5.25E-06	-0.140	2	7.8	Q2
IPI00215687;l	GLS	26.4	4.10E-81	-0.139	3	9.3	Q2
IPI00008351;l	SELT	11.8	4.83E-06	-0.139	2	10.6	Q2
IPI00329441;l	RAB43	30.2	6.40E-30	-0.139	2	7.2	Q2
IPI00299468;l	SCD	10.3	2.43E-26	-0.138	6	5.0	Q2
IPI00003320	C11orf10	10.1	1.68E-02	-0.137	10	7.3	Q2
IPI00168036;l	TMEM40	17.3	2.59E-54	-0.134	3	9.7	Q2
IPI00871176;l	NIPSNAP3A	19.1	2.46E-44	-0.134	4	8.8	Q2
IPI00013468;l	BUB3	24.7	3.56E-34	-0.133	6	13.5	Q2
IPI00021808;l	HARS	41.3	6.52E-146	-0.132	11	25.2	Q2
IPI00102313;l	SRA1	17.7	1.62E-11	-0.132	4	12.5	Q2
IPI00816474;l	FAM127A	14.2	2.40E-02	-0.132	2	20.1	Q2
IPI00012340;l	SFRS9	36.7	4.72E-37	-0.131	10	7.2	Q2
IPI00783097;l	GARS	30.7	<1.0E-304	-0.129	16	9.4	Q2
IPI00016613;l	CSNK2A1	34.3	2.03E-95	-0.129	5	10.7	Q2
IPI00739827;l	LAMP2	9	3.25E-08	-0.128	2	9.1	Q2
IPI00100775;l	C11orf67	44.3	7.13E-16	-0.128	5	19.3	Q2
IPI00827535;l	PTMA	35.1	1.47E-154	-0.128	12	14.2	Q2
IPI00604777;l	DPP9	12.1	3.56E-86	-0.128	2	1.3	Q2
IPI00329692;l	NMT1	20	8.01E-90	-0.128	3	115.0	Q2
IPI00183786;l	FADS2	17.3	6.11E-19	-0.127	2	10.3	Q2
IPI00023529;l	CDK6	22.1	4.11E-50	-0.126	3	15.2	Q2
IPI00295772;l	CYP51A1	22.4	6.64E-129	-0.126	3	12.8	Q2
IPI00220578;l	GNAI3	13.6	2.85E-69	-0.125	5	7.7	Q2

IPI00922511;l	F11R	35.6	8.32E-62	-0.125	9	18.4	Q2
IPI00219344;l	HPCAL1	34.2	4.58E-43	-0.124	7	15.4	Q2
IPI00884896;l	TXNRD1	21.7	1.29E-108	-0.123	6	16.1	Q2
IPI00152695;l	WDR82	20.4	2.13E-143	-0.122	6	13.3	Q2
IPI00795107;l	TATDN1	20.1	4.52E-47	-0.122	2	20.2	Q2
IPI00001145	AP4S1	6.9	5.29E-03	-0.120	2	18.8	Q2
IPI00008982;l	ALDH18A1	18.1	3.27E-82	-0.120	3	8.0	Q2
IPI00018627;l	NAT13	66.9	2.88E-75	-0.119	19	33.6	Q2
IPI00396321	LRRC59	42	<1.0E-304	-0.118	15	8.8	Q2
IPI00019400	TPMT	20.8	2.73E-36	-0.118	5	4.9	Q2
IPI00480056;l	RAB4A	37.2	1.70E-67	-0.118	3	7.5	Q2
IPI00397860;l	CYB5A	16.4	1.25E-12	-0.117	2	11.8	Q2
IPI00019927	PSMD7	38.6	6.27E-86	-0.117	9	14.1	Q2
IPI00019770;l	FAU	9	6.49E-11	-0.116	10	11.1	Q2
IPI00856049	RPL22L1	19.7	1.15E-09	-0.116	3	4.2	Q2
IPI00219677;l	DERA	22.3	7.44E-24	-0.116	3	9.8	Q2
IPI00011229;l	CTSD	36.2	<1.0E-304	-0.116	33	11.9	Q2
IPI00306301;l	PDHA1	21.3	1.05E-32	-0.115	4	12.4	Q2
IPI00927455;l	HIGD1A	18.8	2.39E-56	-0.115	2	15.2	Q2
IPI00020418	RRAS	20.6	1.62E-108	-0.114	5	13.6	Q2
IPI00013933;l	DSP	56.1	<1.0E-304	-0.114	5	10.0	Q2
IPI00163230;l	COPS6	16.5	4.45E-21	-0.113	3	12.7	Q2
IPI00604414;l	PLAU	6.7	1.96E-05	-0.113	4	17.4	Q2
IPI00896381;l	PIP5K2C	17.8	2.72E-92	-0.113	2	27.6	Q2
IPI00465179;l	PFKM	12.6	2.17E-70	-0.112	2	2.4	Q2
IPI00021399	FGFBP1	24.8	8.14E-37	-0.112	4	20.7	Q2
IPI00301021;l	SSR1	11.9	2.75E-41	-0.112	3	2.8	Q2
IPI00017617;l	DDX5	35.3	8.28E-157	-0.112	16	11.4	Q2
IPI00011635;l	BCL2L13	1.9	6.43E-04	-0.112	2	37.6	Q2
IPI00640088;l	CSNK2B	44.4	1.55E-114	-0.111	6	12.6	Q2
IPI00010158;l	CHRAC1	19.8	8.71E-07	-0.110	2	8.7	Q2
IPI00013678;l	MTX1	8.2	9.24E-32	-0.110	2	3.0	Q2
IPI00215911;l	APEX1	44.7	5.49E-178	-0.109	4	7.9	Q2
IPI00172656	FAF2	16.9	1.10E-55	-0.109	2	28.4	Q2
IPI00003309;l	POLR2H	38.7	2.63E-53	-0.108	7	7.6	Q2

IPI00031655	VPS25	15.9	4.68E-07	-0.107	5	3.7	Q2
IPI00844578;I	DHX9	40.8	<1.0E-304	-0.107	17	12.2	Q2
IPI00290305;I	TP53RK	14.2	3.76E-05	-0.107	3	10.7	Q2
IPI00012007	AHCY	49.5	9.08E-206	-0.107	21	7.3	Q2
IPI00018522;I	PRMT1	47.2	2.88E-237	-0.107	13	7.6	Q2
IPI00010141	POLE3	22.4	5.88E-45	-0.106	4	6.2	Q2
IPI00816044;I	C3orf10	46.3	2.72E-08	-0.106	11	16.8	Q2
IPI00304692;I	RBMX	33.5	2.16E-103	-0.104	15	26.1	Q2
IPI00300299	SPCS3	15	1.61E-09	-0.104	4	12.3	Q2
IPI00017767	MGST2	9.5	4.19E-10	-0.102	2	1.6	Q2
IPI00215637;I	DDX3X	40	8.49E-293	-0.102	17	8.0	Q2
IPI00009950	LMAN2	27.5	1.31E-88	-0.101	4	5.1	Q2
IPI00465044	RCC2	19.2	2.49E-21	-0.101	3	20.0	Q2
IPI00555597;I	PTRH2	39.4	8.37E-145	-0.101	4	4.8	Q2
IPI00902883;I	RAPGEFL1	1.5	4.67E-02	-0.101	2	0.6	Q2
IPI00026519;I	PPIF	30	6.03E-116	-0.101	9	7.7	Q2
IPI00178440;I	EEF1B2	26.2	1.15E-136	-0.101	7	17.1	Q2
IPI00783872;I	CAPRIN1	15.1	1.23E-51	-0.100	5	8.4	Q2
IPI00844264;I	DKFZp779B0247	25.1	1.90E-263	-0.100	7	5.6	Q2
IPI00477155;I	GTPBP4	19.5	1.59E-73	-0.100	6	19.7	Q2
IPI00873403;I	RPL24	34.1	4.04E-60	-0.100	22	12.3	Q2
IPI00334190;I	STOML2	38.8	7.51E-150	-0.099	7	13.9	Q2
IPI00549248;I	NPM1	55.1	1.63E-303	-0.099	36	13.4	Q2
IPI00011698;I	SAP18	25.6	4.41E-05	-0.097	5	10.4	Q2
IPI00294536;I	STRAP	58.7	1.27E-193	-0.097	12	14.1	Q2
IPI00328867;I	SRC	18.5	9.41E-58	-0.097	2	23.1	Q2
IPI00922428;I	FKBP9	5.9	1.34E-05	-0.097	2	0.5	Q2
IPI00301364;I	SKP1	44.2	4.25E-65	-0.096	12	10.4	Q2
IPI00003817;I	ARHGDI B	27.9	5.11E-109	-0.096	4	15.0	Q2
IPI00220344;I	RPL36A	46.2	5.45E-22	-0.096	16	10.8	Q2
IPI00009235	SSR3	7.1	3.59E-20	-0.096	2	1.8	Q2
IPI00027505;I	ITGAV	15.6	1.79E-91	-0.096	3	7.6	Q2
IPI00106491;I	MRTO4	33.1	7.59E-45	-0.096	13	11.4	Q2
IPI00038378;I	ENOPH1	17.6	8.09E-41	-0.095	3	15.5	Q2
IPI00294955	LSM4	31.7	5.01E-13	-0.095	18	14.8	Q2

IPI00296635	GBE1	8.3	3.08E-10	-0.095	2	4.2	Q2
IPI00099463;l	SGPL1	3	4.62E-02	-0.094	2	14.6	Q2
IPI00554777;l	ASNS	7.7	2.31E-173	-0.094	2	6.4	Q2
IPI00006606	MRPS26	28.3	2.59E-21	-0.094	3	8.1	Q2
IPI00020984;l	CANX	30.8	1.36E-211	-0.094	15	16.7	Q2
IPI00008575;l	KHDRBS1	18.5	2.93E-63	-0.094	7	26.1	Q2
IPI00761105;l	TADA2B	1.7	4.87E-02	-0.093	5	11.7	Q2
IPI00219306;l	MAGOH	5.5	8.77E-25	-0.093	2	8.3	Q2
IPI00005202	PGRMC2	17	3.77E-89	-0.093	5	16.5	Q2
IPI00718888;l	PRPS2	30.8	8.85E-157	-0.093	7	7.5	Q2
IPI00398576;l	LIMS2	4.9	1.62E-13	-0.092	3	15.6	Q2
IPI00002506;l	ALG5	16.4	1.83E-14	-0.092	3	5.8	Q2
IPI00068506;l	ABCF2	14	3.32E-40	-0.092	2	8.6	Q2
IPI00046828;l	CCDC58	27.8	1.67E-23	-0.091	4	24.2	Q2
IPI00013296;l	RPS18	66.4	9.12E-70	-0.091	48	17.6	Q2
IPI00186290;l	EEF2	64.3	<1.0E-304	-0.091	87	8.7	Q2
IPI00646105;l	PYCR1	7.7	3.16E-06	-0.091	2	14.5	Q2
IPI00218448;l	H2AFZ	41.4	1.37E-32	-0.091	5	22.1	Q2
IPI00003515	TRIP11	1.8	2.22E-08	-0.091	2	2.1	Q2
IPI00012535;l	DNAJA1	25.9	2.37E-49	-0.091	3	6.5	Q2
IPI00059762;l	LYPLAL1	21.1	1.32E-02	-0.090	5	11.8	Q2
IPI00025874;l	RPN1	37	1.22E-299	-0.090	13	10.1	Q2
IPI00003918;l	RPL4	48.9	<1.0E-304	-0.090	42	11.8	Q2
IPI00028031;l	ACADVL	19.5	3.29E-90	-0.090	2	1.1	Q2
IPI00414442;l	CDK5RAP3	9.6	7.24E-25	-0.090	2	21.1	Q2
IPI00032881	MRPS23	31.1	3.71E-24	-0.090	6	7.4	Q2
IPI00411937;l	NOP56	32.7	<1.0E-304	-0.089	10	11.5	Q2
IPI00291093	POLR2E	40.5	2.77E-112	-0.089	6	8.0	Q2
IPI00154451;l	MMS19	19.6	1.65E-174	-0.089	3	20.5	Q2
IPI00221325;l	RANBP2	11.1	3.39E-238	-0.089	3	2.5	Q2
IPI00796337;l	PCBP2	21.6	2.90E-190	-0.089	15	9.3	Q2
IPI00219383;l	NDUFB3	21.4	4.15E-06	-0.089	2	9.6	Q2
IPI00643554;l	RGS10	30.4	3.29E-32	-0.088	5	28.5	Q2
IPI00219078;l	ATP2A2	29	<1.0E-304	-0.086	12	16.8	Q2
IPI00018272;l	PNPO	13.4	4.26E-07	-0.086	2	8.3	Q2

IPI00554481;l	SLC3A2	39.5	<1.0E-304	-0.086	17	14.1	Q2
IPI00299608;l	PSMD1	26.3	5.52E-228	-0.086	4	22.4	Q2
IPI00554521;l	FTH1	46.4	8.78E-49	-0.085	14	9.0	Q2
IPI00414168	5-Mar	21.6	2.71E-58	-0.085	3	16.3	Q2
IPI00008692;l	KRT36	1.3	1.94E-02	-0.085	2	2.3	Q2
IPI00291893;l	DCUN1D1	12.7	2.56E-67	-0.084	4	14.9	Q2
IPI00419880;l	RPS3A	63.6	6.48E-200	-0.084	58	11.6	Q2
IPI00018398	PSMC3	38.7	8.60E-159	-0.084	15	13.7	Q2
IPI00024551;l	C15orf24	19.4	1.65E-06	-0.084	6	74.5	Q2
IPI00789041;l	PNN	18.1	5.13E-83	-0.084	2	6.2	Q2
IPI00874047;l	MRPS36	44.7	7.57E-22	-0.084	3	9.8	Q2
IPI00026215	FEN1	19.2	2.00E-13	-0.084	2	12.0	Q2
IPI00429689;l	PPP2CB	6.8	8.09E-221	-0.084	2	11.2	Q2
IPI00006378;l	CCDC72	14.1	3.30E-03	-0.082	2	3.2	Q2
IPI00550021;l	RPL3	44.7	1.01E-171	-0.082	29	10.3	Q2
IPI00009302	PLEK2	7.1	4.63E-04	-0.082	3	13.2	Q2
IPI00642046;l	RSL1D1	28	8.94E-148	-0.082	4	15.1	Q2
IPI00298558;l	PDCD10	41	1.45E-104	-0.082	8	8.8	Q2
IPI00215777;l	SLC25A3	45.4	2.07E-221	-0.082	29	7.4	Q2
IPI00021840;l	RPS6	32.5	9.34E-108	-0.082	30	10.4	Q2
IPI00022334	OAT	42.6	4.55E-216	-0.081	16	9.7	Q2
IPI00328243;l	PLD3	8.4	5.66E-24	-0.081	4	9.0	Q2
IPI00017376;l	SEC23B	13.8	6.08E-105	-0.081	3	8.8	Q2
IPI00302605;l	SLC30A7	12.5	2.25E-26	-0.081	2	12.3	Q2
IPI00294879;l	RANGAP1	40.4	<1.0E-304	-0.081	13	10.0	Q2
IPI00006980;l	C14orf166	54.9	8.81E-104	-0.081	16	8.2	Q2
IPI00794900	MTHFD1	39.6	<1.0E-304	-0.081	17	9.3	Q2
IPI00302740;l	RPS4Y1	21.3	2.74E-86	-0.081	6	9.3	Q2
IPI00000335	HINT2	24.5	1.34E-54	-0.081	4	5.2	Q2
IPI00021812;l	AHNAK	71.8	<1.0E-304	-0.081	34	20.2	Q2
IPI00031615;l	LLPH	29.5	2.13E-17	-0.080	2	7.5	Q2
IPI00165506	POLDIP2	14.7	7.12E-56	-0.080	4	9.9	Q2
IPI00013723;l	PIN1	39.9	6.32E-125	-0.079	2	21.5	Q2
IPI00168479;l	APOA1BP	16	4.18E-106	-0.079	3	15.7	Q2
IPI00396630;l	PRKACA	14	7.72E-54	-0.078	2	2.9	Q2

IPI00060181;l	EFHD2	49.6	7.44E-138	-0.078	16	8.2	Q2
IPI00178803;l	PPP2R2C	1.6	1.68E-05	-0.078	2	16.5	Q2
IPI00103884;l	OVCA2	23.8	5.56E-41	-0.078	4	3.8	Q2
IPI00479058;l	RPS15	31	5.03E-103	-0.077	10	5.1	Q2
IPI00853598;l	SEC13	23.1	7.10E-138	-0.077	6	9.4	Q2
IPI00023406	HCCS	23.5	4.02E-32	-0.077	2	21.7	Q2
IPI00031563;l	DDA1	17.6	4.48E-03	-0.077	2	1.9	Q2
IPI00008986;l	SLC7A5	12.6	6.16E-123	-0.076	5	5.2	Q2
IPI00884192;l	GPX4	24.4	6.25E-34	-0.076	2	9.3	Q2
IPI00025849;l	ANP32A	20.9	6.23E-111	-0.076	4	15.7	Q2
IPI00299024;l	BASP1	33.5	9.29E-39	-0.076	2	1.1	Q2
IPI00790757;l	DUSP3	26.7	1.81E-65	-0.075	8	11.8	Q2
IPI00148063	HEBP1	31.2	3.80E-47	-0.075	2	4.5	Q2
IPI00019407;l	NSDHL	22.8	1.38E-38	-0.075	8	18.5	Q2
IPI00029046;l	MLEC	17.8	6.28E-39	-0.075	7	12.2	Q2
IPI00018288;l	POLR2C	34.2	1.09E-158	-0.075	3	25.2	Q2
IPI00221035;l	BTF3	45.6	1.29E-96	-0.074	20	18.3	Q2
IPI00301280;l	TMEM43	18.8	1.60E-120	-0.073	2	12.8	Q2
IPI00329633;l	TARS	53.1	<1.0E-304	-0.073	24	24.0	Q2
IPI00745613	EXOSC4	22.9	9.28E-37	-0.073	2	3.5	Q2
IPI00141318;l	CKAP4	44.2	2.19E-262	-0.073	17	14.5	Q2
IPI00024705;l	GIPC1	37.8	1.78E-132	-0.072	11	23.1	Q2
IPI00026358;l	GABARAPL2	28.2	4.08E-11	-0.072	6	16.5	Q2
IPI00106642	SDF2L1	6.6	2.27E-156	-0.072	2	2.1	Q2
IPI00644482;l	PSMG2	18.6	5.29E-12	-0.072	3	11.0	Q2
IPI00013214;l	MCM3	31.8	1.33E-220	-0.072	4	32.9	Q2
IPI00297084;l	DDOST	28.7	1.40E-112	-0.072	11	23.3	Q2
IPI00171701	ORMDL2	21.6	2.76E-30	-0.072	6	8.5	Q2
IPI00303318;l	FAM49B	29	1.44E-152	-0.072	7	15.6	Q2
IPI00000877;l	HYOU1	34.8	<1.0E-304	-0.072	15	7.4	Q2
IPI00412441;l	WAPAL	2.7	8.03E-17	-0.072	2	14.7	Q2
IPI00008438;l	RPS10	47.9	1.57E-102	-0.071	23	12.1	Q2
IPI00221106;l	SF3B2	21.6	1.29E-152	-0.071	3	16.4	Q2
IPI00019385;l	SSR4	34.2	1.20E-76	-0.071	7	9.2	Q2
IPI00005978;l	SFRS2	33.5	1.26E-128	-0.071	15	7.3	Q2

IPI00394758;I	ALDH3A2	12.6	2.46E-57	-0.070	4	21.7	Q2
IPI00289601;I	HDAC2	12.4	2.69E-86	-0.070	2	14.2	Q2
IPI00020017;I	APM2	27.6	1.07E-20	-0.070	3	9.5	Q2
IPI00002569	EIF4EBP1	25.4	4.89E-12	-0.070	6	15.3	Q2
IPI00007074	YARS	33.9	1.73E-38	-0.069	13	14.2	Q2
IPI00215790;I	RPL38	44.3	2.72E-20	-0.069	15	19.3	Q2
IPI00025329;I	RPL19	33.7	1.01E-117	-0.069	16	12.5	Q2
IPI00168884;I	ATP6AP2	5.4	1.57E-02	-0.069	2	7.0	Q2
IPI00003881	HNRNPF	27.7	1.46E-196	-0.068	7	4.4	Q2
IPI00217952;I	GFPT1	19.2	2.06E-118	-0.068	3	8.1	Q2
IPI00003311	POLR2L	38.8	8.04E-06	-0.068	6	5.7	Q2
IPI00647650;I	EIF3H	35.2	4.13E-74	-0.067	10	7.9	Q2
IPI00554648;C	KRT8	59.6	<1.0E-304	-0.067	73	12.8	Q2
IPI00017381;I	RFC4	15.2	5.39E-21	-0.067	2	25.5	Q2
IPI00218568	PCBD1	24	5.55E-04	-0.067	5	1.4	Q2
IPI00031697;I	TMEM109	9.1	2.25E-20	-0.067	6	24.5	Q2
IPI00339384;I	RDH11	35.5	5.93E-113	-0.066	3	18.7	Q2
IPI00219381	NDUFA2	19.2	1.41E-04	-0.066	2	13.2	Q2
IPI00001568;I	ATP6V1D	18.2	1.04E-50	-0.066	4	7.4	Q2
IPI00022277	CCDC56	37.7	3.94E-15	-0.066	4	8.4	Q2
IPI00654777;I	EIF3F	39.5	2.60E-130	-0.065	8	17.3	Q2
IPI00032406	DNAJA2	16	2.01E-76	-0.065	2	30.3	Q2
IPI00295400;I	WARS	32.5	3.21E-281	-0.065	8	7.3	Q2
IPI00012831	HBXIP	5.8	6.19E-03	-0.065	3	6.0	Q2
IPI00004795	CLNS1A	5.5	3.08E-09	-0.065	2	20.6	Q2
IPI00023860;I	NAP1L1	19.9	1.82E-235	-0.064	10	8.3	Q2
IPI00014361;I	TSTA3	25.2	8.48E-30	-0.063	6	18.3	Q2
IPI00016669	RHEB	35.9	1.25E-17	-0.063	9	15.2	Q2
IPI00006451;I	NSF	6.9	1.19E-08	-0.063	4	18.8	Q2
IPI00023064;F	HRPAP20	45.7	3.04E-21	-0.063	6	3.4	Q2
IPI00219678;I	EIF2S1	58.7	1.19E-190	-0.063	19	11.5	Q2
IPI00908416;I	EIF4E	20.6	1.51E-16	-0.063	5	6.8	Q2
IPI00004353;I	GTF2A2	13.8	1.37E-04	-0.063	2	15.1	Q2
IPI00429191	ETF1	30.2	2.51E-92	-0.063	8	7.4	Q2
IPI00334282;I	FAM3C	51.1	8.26E-215	-0.063	17	11.1	Q2

IPI00029264	CYC1	20	6.98E-50	-0.062	7	8.2	Q2
IPI00430803	C2orf79	15.7	1.00E-06	-0.062	2	15.9	Q2
IPI00893918;I	VAR5	33.8	<1.0E-304	-0.062	4	7.5	Q2
IPI00022254;I	ATG3	10.2	4.06E-15	-0.061	5	13.3	Q2
IPI00006379;I	NOP58	27.2	3.61E-209	-0.061	6	17.8	Q2
IPI00847322;I	SOD2	27	3.27E-17	-0.060	6	20.2	Q2
IPI00020887;I	VAMP7	18.6	6.96E-11	-0.060	3	17.7	Q2
IPI00300341;I	TCEB1	48.2	3.42E-42	-0.060	10	16.9	Q2
IPI00783874;I	HDHD2	16.2	6.77E-41	-0.060	2	6.5	Q2
IPI00073602	EXOSC6	25	2.85E-70	-0.060	4	10.1	Q2
IPI00019376;I	11-Sep	15.3	1.97E-33	-0.060	4	12.2	Q2
IPI00295098;I	SRPRB	52.8	8.28E-208	-0.060	12	11.3	Q2
IPI00411426;I	VPS26A	37	4.93E-115	-0.060	6	38.8	Q2
IPI00002203;I	BCCIP	21.7	1.85E-92	-0.060	2	5.3	Q2
IPI00032409;I	ROBLD3	40	1.15E-34	-0.059	4	13.3	Q2
IPI00182289;I	RPS29	48.2	9.36E-09	-0.059	9	10.6	Q2
IPI00384047;I	TRAPPC6B	15.2	4.33E-02	-0.059	3	10.3	Q2
IPI00465261;I	ERAP2	13.9	9.47E-73	-0.059	5	14.9	Q2
IPI00024620;I	ENY2	23.8	5.60E-07	-0.058	4	6.6	Q2
IPI00012795;I	EIF3I	50.2	3.45E-132	-0.058	12	7.7	Q2
IPI00910977;I	MPST	36	1.51E-144	-0.058	4	5.3	Q2
IPI00025156;I	STUB1	31	5.12E-33	-0.058	5	10.9	Q2
IPI00003856;I	ATP6V1E1	34.5	5.88E-50	-0.058	11	10.2	Q2
IPI00010860;I	PSMD9	35.9	2.67E-67	-0.057	9	11.5	Q2
IPI00020468;I	SELS	11.1	7.23E-07	-0.057	2	17.0	Q2
IPI00021766;I	RTN4	8	1.63E-70	-0.057	11	7.1	Q2
IPI00000875;I	EEF1G	44.4	2.22E-232	-0.057	29	12.2	Q2
IPI00007175;I	NIP7	34.4	1.05E-44	-0.057	4	11.0	Q2
IPI00218606;I	RPS23	29.4	5.55E-22	-0.057	20	19.8	Q2
IPI00069750;I	PUF60	14.3	2.42E-21	-0.057	2	14.3	Q2
IPI00025039;I	FBL	38.9	1.84E-109	-0.057	10	19.5	Q2
IPI00643920;I	TKT	49.6	<1.0E-304	-0.056	45	8.9	Q2
IPI00009364;I	ORMDL1	4.6	7.73E-31	-0.056	2	19.6	Q2
IPI00003925;I	PDHB	42.9	1.50E-242	-0.056	15	13.2	Q2
IPI00299000;I	PA2G4	58.9	8.07E-269	-0.056	16	11.6	Q2

IPI00844214;l	CTNNBL1	9.9	1.93E-14	-0.056	2	14.8	Q2
IPI00023122;l	PDLIM7	16	1.34E-24	-0.056	3	45.2	Q2
IPI00297261;F	PTPN1	35.9	4.86E-129	-0.056	7	15.4	Q2
IPI00099871;l	MRPL40	16	2.10E-31	-0.056	2	9.9	Q2
IPI00646015;l	ACOT9	28.8	7.47E-79	-0.055	4	9.6	Q2
IPI00291238;l	FBLIM1	22.5	6.79E-99	-0.055	5	17.5	Q2
IPI00024661;l	SEC24C	20.1	2.06E-160	-0.055	3	13.8	Q2
IPI00479191;l	HNRNPH1	31.6	3.03E-230	-0.054	20	9.3	Q2
IPI00375144;l	SRRT	11.5	2.11E-23	-0.054	4	22.2	Q2
IPI00014198;l	EXOSC7	15.5	1.07E-44	-0.054	4	13.4	Q2
IPI00438229;l	TRIM28	37	<1.0E-304	-0.054	8	8.5	Q2
IPI00410214;l	BPNT1	37.7	9.04E-237	-0.054	5	4.3	Q2
IPI00028055;l	TMED10	32	6.27E-115	-0.054	13	8.2	Q2
IPI00329696;l	FAM82B	21.3	1.42E-27	-0.054	6	11.8	Q2
IPI00220835	SEC61B	21.9	4.19E-05	-0.054	4	9.3	Q2
IPI00027983	CDA	46.6	5.95E-84	-0.053	4	8.2	Q2
IPI00642816;l	SRP9	61.6	3.83E-17	-0.053	11	8.9	Q2
IPI00010130;l	GLUL	7	1.09E-04	-0.053	2	13.4	Q2
IPI00002525	NENF	26.2	2.55E-32	-0.053	4	9.4	Q2
IPI00006092;l	PMM2	46.7	5.34E-35	-0.052	12	7.6	Q2
IPI00443909;l	CNPY2	31.3	7.66E-67	-0.052	7	11.8	Q2
IPI00293464;l	DDB1	35.6	4.79E-237	-0.052	10	25.3	Q2
IPI00872615	C4orf3	16.7	1.00E-03	-0.052	2	22.6	Q2
IPI00183603;l	OSTC	18.1	7.20E-21	-0.052	7	9.1	Q2
IPI00013949;l	SGTA	32.9	5.65E-90	-0.052	8	6.5	Q2
IPI00154975;l	DNAJC9	37.3	3.02E-52	-0.052	6	6.4	Q2
IPI00299571;l	PDIA6	44.5	<1.0E-304	-0.051	15	37.3	Q2
IPI00140420;l	SND1	51.1	<1.0E-304	-0.051	26	9.8	Q2
IPI00011126;l	PSMC1	33	6.84E-203	-0.051	9	11.6	Q2
IPI00022386;l	TXNDC9	21.2	1.01E-04	-0.051	4	5.2	Q2
IPI00376025;l	DHRS4	6.8	3.89E-06	-0.051	2	0.9	Q2
IPI00021435;l	PSMC2	52.7	1.08E-159	-0.051	15	10.7	Q2
IPI00216008;l	G6PD	41.7	1.60E-144	-0.051	22	13.5	Q2
IPI00303207	ABCE1	30.2	1.34E-195	-0.051	8	12.7	Q2
IPI00217468;l	HIST1H1B	22.1	7.39E-53	-0.051	21	21.0	Q2

IPI00375380;l	PSMD13	42.1	5.80E-176	-0.050	13	12.7	Q2
IPI00021338;l	DLAT	15	3.14E-54	-0.050	2	16.3	Q2
IPI00017184;l	EHD1	49.8	6.35E-202	-0.050	16	9.7	Q2
IPI00032827	SF3B14	60	3.00E-43	-0.050	7	5.3	Q2
IPI00604759;l	FAHD1	14.5	1.96E-42	-0.050	4	4.2	Q2
IPI00084571;l	MRPL39	18.7	6.29E-13	-0.050	4	12.5	Q2
IPI00867714;l	LSM12	13.6	7.17E-29	-0.049	2	3.7	Q2
IPI00020944;l	FDFT1	41	1.63E-204	-0.049	9	22.5	Q2
IPI00023101;l	RQCD1	9.4	1.50E-18	-0.049	3	14.4	Q2
IPI00016912	TTC1	9.9	2.35E-07	-0.049	3	24.0	Q2
IPI00012462;l	EIF2A	14	4.11E-33	-0.048	3	6.7	Q2
IPI00019269;l	WDR61	18.7	8.51E-37	-0.048	2	4.0	Q2
IPI00301489;l	UROD	10.1	1.19E-10	-0.048	5	31.6	Q2
IPI00025796	NDUFS3	40.9	9.39E-165	-0.047	7	6.5	Q2
IPI00032498;l	DCTN5	20.9	3.19E-24	-0.047	4	1.1	Q2
IPI00009236;l	CAV1	64.6	1.17E-143	-0.047	22	5.8	Q2
IPI00384489	AP1B1	13.7	2.12E-198	-0.047	3	11.0	Q2
IPI00220416;l	UQCRB	45.9	1.65E-21	-0.047	5	7.7	Q2
IPI00008167;l	ATP1B3	30.8	1.01E-87	-0.046	6	9.3	Q2
IPI00001757;l	RBM8A	31.6	4.46E-57	-0.046	4	7.5	Q2
IPI00007144;l	RPL26L1	11.7	1.53E-18	-0.046	5	7.0	Q2
IPI00009960;l	IMMT	27.6	6.64E-247	-0.045	10	21.7	Q2
IPI00793375;l	XPNPEP1	12	4.96E-64	-0.045	3	10.1	Q2
IPI00009148;l	NUDT3	18	1.69E-07	-0.045	3	10.5	Q2
IPI00029557;l	GRPEL1	42.4	9.92E-63	-0.045	11	9.3	Q2
IPI00333215;l	TCEA1	28.6	1.61E-36	-0.045	4	20.1	Q2
IPI00026167;l	NHP2L1	53.9	8.30E-60	-0.045	14	8.6	Q2
IPI00413611;l	TOP1	25.2	1.32E-82	-0.045	2	4.0	Q2
IPI00479786;l	KHSRP	32.5	6.42E-141	-0.045	7	38.0	Q2
IPI00011770;l	NDUFA4	32.1	2.74E-09	-0.044	4	9.2	Q2
IPI00009885;l	FKBP11	11.9	8.93E-09	-0.044	2	8.7	Q2
IPI00029623;l	PSMA6	45.9	2.29E-93	-0.044	15	56.5	Q2
IPI00792352;l	RAN	44.9	2.25E-164	-0.044	30	9.1	Q2
IPI00003217;l	PSMB7	26	1.37E-25	-0.044	11	7.2	Q2
IPI00926977;l	PSMC6	45.7	1.12E-200	-0.044	8	9.5	Q2

IPI00328913;l	VPS28	37.3	3.54E-102	-0.044	4	17.2	Q2
IPI00021290;l	ACLY	49	<1.0E-304	-0.044	31	38.6	Q2
IPI00152898;l	AP1S1	36.7	1.13E-70	-0.043	6	8.0	Q2
IPI00306353	DUSP23	38.7	4.33E-40	-0.043	5	7.8	Q2
IPI00873622;l	WDR1	29.3	1.50E-158	-0.043	10	7.7	Q2
IPI00641950;l	GNB2L1	68.2	8.87E-288	-0.043	50	25.9	Q2
IPI00152981;l	ACAD9	8.7	5.38E-05	-0.043	2	21.1	Q2
IPI00167030	KRTCAP2	10.5	9.50E-11	-0.043	4	15.2	Q2
IPI00554788;l	KRT18	72.3	<1.0E-304	-0.042	52	12.4	Q2
IPI00413641;l	AKR1B1	21.5	6.92E-11	-0.042	9	9.0	Q2
IPI00147874;l	NANS	27.9	2.13E-61	-0.042	3	8.8	Q2
IPI00893197;l	PPP2R4	17.7	8.32E-48	-0.042	5	30.5	Q2
IPI00395939;l	PITPNB	59	3.11E-122	-0.042	16	14.7	Q2
IPI00295889;l	SRP19	37.5	1.45E-70	-0.042	5	15.0	Q2
IPI00220834;l	XRCC5	39.6	9.30E-246	-0.042	20	13.6	Q2
IPI00016568;l	AK3L1	29.1	4.07E-15	-0.042	4	8.6	Q2
IPI00910593;l	CNN2	50.3	9.31E-187	-0.042	28	10.8	Q2
IPI00411706;l	ESD	41.8	1.06E-147	-0.041	7	7.0	Q2
IPI00329036;l	MRPL50	15.2	1.88E-09	-0.041	3	2.7	Q2
IPI00029468;l	ACTR1A	51.1	<1.0E-304	-0.041	9	8.8	Q2
IPI00001639;l	KPNB1	39.2	<1.0E-304	-0.040	21	8.7	Q2
IPI00012828;l	ACAA1	21	3.69E-110	-0.040	2	17.1	Q2
IPI00003833	MTCH2	48.2	5.74E-185	-0.040	11	10.1	Q2
IPI00329331;l	UGP2	28.5	1.23E-206	-0.040	4	4.0	Q2
IPI00012369;l	MAD2L1	24.9	2.46E-11	-0.040	6	8.4	Q2
IPI00220219;l	COPB2	34.3	7.53E-275	-0.040	11	9.0	Q2
IPI00031556;l	U2AF2	15.4	1.52E-98	-0.040	6	6.2	Q2
IPI00470610;l	PYCR2	34.1	1.05E-73	-0.040	4	7.3	Q2
IPI00873941;l	SEC61G	25	3.88E-14	-0.039	5	9.7	Q2
IPI00655754;l	UFD1L	18.4	2.22E-87	-0.039	5	10.3	Q2
IPI00000874;l	PRDX1	79.9	7.07E-180	-0.039	52	18.1	Q2
IPI00000494;l	RPL5	44.8	2.42E-272	-0.039	30	7.6	Q2
IPI00221093;l	RPS17	63	1.44E-204	-0.039	19	13.5	Q2
IPI00105598;l	PSMD11	55.6	4.66E-218	-0.039	17	11.3	Q2
IPI00329596;l	TMX2	12.1	1.17E-24	-0.039	2	3.5	Q2

IPI00010153;l	RPL23	57.9	1.01E-193	-0.038	36	9.4	Q2
IPI00074587;l	FUSIP1	21.8	1.76E-63	-0.038	4	3.5	Q2
IPI00292140;l	CASP3	15.9	3.41E-16	-0.038	5	6.1	Q2
IPI00643342;l	PEA15	27.8	2.53E-09	-0.038	10	10.3	Q2
IPI00010105;l	EIF6	60	2.18E-295	-0.038	16	6.5	Q2
IPI00216237;l	RPL36	37.1	4.63E-24	-0.038	14	16.3	Q2
IPI00163505;l	RBM39	13.4	1.08E-70	-0.037	4	33.5	Q2
IPI00026271;l	RPS14	39.7	1.85E-175	-0.037	23	10.9	Q2
IPI00791262;l	ICT1	26.3	9.68E-23	-0.037	3	19.8	Q2
IPI00221300;l	EIF2B1	29.5	4.79E-69	-0.037	4	11.5	Q2
IPI00014197;l	CDV3	14	4.80E-37	-0.037	6	3.4	Q2
IPI00413108;l	RPSA	61.3	<1.0E-304	-0.037	30	15.7	Q2
IPI00440703;l	GSTK1	29.8	4.08E-113	-0.037	10	9.9	Q2
IPI00025366;l	CS	23.2	7.88E-81	-0.037	9	14.4	Q2
IPI00011913	HNRNPA0	30.8	3.20E-164	-0.037	4	11.6	Q2
IPI00301419;l	COPS7A	16	1.83E-25	-0.036	4	5.9	Q2
IPI00003482;l	DECR1	37.3	3.12E-97	-0.036	8	8.4	Q2
IPI00000811;l	PSMB6	23.4	1.37E-21	-0.036	10	17.0	Q2
IPI00177728;l	CNDP2	52.2	<1.0E-304	-0.036	11	11.0	Q2
IPI00872985;l	GAR1	20.2	2.35E-28	-0.036	6	5.2	Q2
IPI00922223;l	ATP6V0D1	16.8	2.97E-49	-0.036	6	7.4	Q2
IPI00412497;l	DYNLRB1	16.9	2.42E-21	-0.036	3	7.5	Q2
IPI00295851	COPB1	41.9	<1.0E-304	-0.036	16	15.8	Q2
IPI00103373	CYGB	30	4.42E-24	-0.036	8	9.1	Q2
IPI00413500;l	COMMD4	17.6	9.38E-14	-0.035	2	2.1	Q2
IPI00007765;l	HSPA9	45.8	<1.0E-304	-0.035	27	12.0	Q2
IPI00009407	DAD1	35.4	1.82E-29	-0.035	7	12.6	Q2
IPI00478410;l	ATP5C1	31.5	1.64E-90	-0.035	19	13.4	Q2
IPI00396485;l	EEF1A1	62.8	<1.0E-304	-0.035	99	13.8	Q2
IPI00217030;l	RPS4X	69.6	9.85E-198	-0.035	37	8.3	Q2
IPI00001589	TIMM13	73.7	1.84E-213	-0.035	8	10.8	Q2
IPI00333068;l	ARPC1A	18.9	3.50E-30	-0.035	2	11.8	Q2
IPI00008433;l	RPS5	45.6	6.02E-168	-0.035	17	11.0	Q2
IPI00010427	TMEM93	26.4	1.34E-11	-0.035	5	22.1	Q2
IPI00749250;l	ACTR2	44.1	1.31E-232	-0.034	11	13.4	Q2

IPI00465233;l	EIF3EIP	34.9	9.20E-221	-0.034	11	11.1	Q2
IPI00328840;l	THOC4	34.1	2.01E-159	-0.034	11	17.7	Q2
IPI00299573;l	RPL7A	50	<1.0E-304	-0.034	58	11.4	Q2
IPI00009680	MRPL44	17.5	5.39E-48	-0.034	3	6.2	Q2
IPI00219825;l	PSAP	8.9	1.01E-39	-0.034	12	9.4	Q2
IPI00655650;l	RPS26	37.4	2.41E-47	-0.034	11	8.2	Q2
IPI00301579	NPC2	36.8	7.98E-78	-0.034	14	5.2	Q2
IPI00292020	SRM	39.4	9.90E-103	-0.034	5	9.4	Q2
IPI00012268;l	PSMD2	44.4	<1.0E-304	-0.033	18	24.2	Q2
IPI00903286;l	SNRPD1	30.2	9.34E-37	-0.033	3	6.7	Q2
IPI00003766	ETHE1	51.2	7.33E-126	-0.033	12	14.1	Q2
IPI00014587;l	CLTA	22.2	6.66E-79	-0.033	5	20.9	Q2
IPI00014938;l	SARNP	31.9	5.09E-76	-0.033	7	7.3	Q2
IPI00872668;l	NIT2	36.7	2.68E-154	-0.033	10	17.3	Q2
IPI00219160;l	RPL34	37.6	1.66E-14	-0.033	21	20.1	Q2
IPI00642971;l	EEF1D	26.1	1.69E-233	-0.032	27	9.0	Q2
IPI00017334;l	PHB	60.3	4.16E-229	-0.032	21	15.4	Q2
IPI00005719;l	RAB1A	70.2	7.18E-269	-0.032	33	23.5	Q2
IPI00009841;l	EWSR1	5.3	5.52E-38	-0.032	2	22.5	Q2
IPI00550689;l	C22orf28	23.2	5.57E-31	-0.032	8	17.1	Q2
IPI00797126;l	NACA	7.8	1.45E-137	-0.031	16	7.7	Q2
IPI00017726;l	HSD17B10	73.6	<1.0E-304	-0.031	21	8.1	Q2
IPI00003377;l	SFRS7	31.9	9.61E-56	-0.031	10	11.8	Q2
IPI00003362;F	HSPA5	53.4	<1.0E-304	-0.031	90	13.2	Q2
IPI00795922;l	MRPS28	20.8	1.04E-09	-0.031	4	14.2	Q2
IPI00641829;l	BAT1	39.3	2.24E-187	-0.031	15	8.1	Q2
IPI00004416;l	CHMP2A	7.2	1.42E-04	-0.030	5	12.6	Q2
IPI00004488	ATP6V1F	15.1	6.33E-05	-0.030	5	6.3	Q2
IPI00031617;l	C6orf125	15.9	8.96E-17	-0.030	2	27.0	Q2
IPI00305010;l	CPPED1	7	4.28E-08	-0.030	2	11.8	Q2
IPI00300096;l	RAB35	24.9	8.11E-33	-0.030	6	12.5	Q2
IPI00002857;l	MAPK14	11.7	6.90E-18	-0.029	4	4.9	Q2
IPI00009456;l	NT5E	26.8	7.55E-130	-0.029	13	8.7	Q2
IPI00023919;l	PSMC5	52.2	1.07E-228	-0.029	8	21.3	Q2
IPI00428288;l	MRPL43	42.1	1.25E-46	-0.029	6	11.5	Q2

IPI00396435;l	DHX15	29.9	2.69E-114	-0.029	12	16.8	Q2
IPI00021728;l	EIF2S2	40.5	2.04E-78	-0.029	6	12.4	Q2
IPI00015897;l	CHORDC1	18.7	9.62E-62	-0.029	2	7.7	Q2
IPI00221092;l	RPS16	69.9	2.09E-51	-0.029	42	76.6	Q2
IPI00009368	SFXN1	50	1.33E-106	-0.029	9	16.5	Q2
IPI00102069;l	EIF3M	38	3.56E-224	-0.028	7	4.9	Q2
IPI00024933;l	RPL12	71.5	8.86E-262	-0.028	24	11.8	Q2
IPI00549381	MRPL1	24.3	1.40E-80	-0.028	4	12.7	Q2
IPI00027032;l	LYPLA2	29.4	5.46E-48	-0.028	3	7.3	Q2
IPI00788907;l	PGAM5	42.2	1.09E-59	-0.028	14	7.0	Q2
IPI00026105;l	SCP2	17.6	2.21E-62	-0.028	26	47.1	Q2
IPI00019495;l	DYNLT1	23	2.85E-29	-0.027	3	4.7	Q2
IPI00215884;l	SFRS1	51.2	1.90E-137	-0.027	28	8.9	Q2
IPI00030275;l	TRAP1	25.3	5.49E-195	-0.027	6	20.9	Q2
IPI00296022;l	UQCRH	25.3	2.31E-03	-0.027	7	8.8	Q2
IPI00010438;l	SNAP23	31.8	1.03E-48	-0.027	6	15.5	Q2
IPI00291419	ACAT2	38	2.31E-264	-0.027	17	13.8	Q2
IPI00013297;l	PDAP1	37.6	2.14E-108	-0.026	13	12.4	Q2
IPI00012442;l	G3BP1	39.7	3.23E-263	-0.026	14	6.7	Q2
IPI00010740;l	SFPQ	45.3	<1.0E-304	-0.026	18	8.0	Q2
IPI00059292;l	MAGOHB	35.8	3.36E-26	-0.026	4	6.0	Q2
IPI00218848	ATP5I	40.3	8.02E-05	-0.026	11	10.4	Q2
IPI00013184;l	ARD1A	24.7	3.58E-28	-0.026	4	5.1	Q2
IPI00221089	RPS13	51	1.15E-62	-0.026	24	15.6	Q2
IPI00793201;l	AIMP1	17.3	1.53E-25	-0.026	5	13.3	Q2
IPI00215965;l	HNRNPA1	54.3	<1.0E-304	-0.025	47	11.4	Q2
IPI00555744;l	RPL14	37.7	2.22E-147	-0.025	25	8.6	Q2
IPI00916503;l	BZW1	33.9	1.19E-54	-0.025	14	13.0	Q2
IPI00465211;l	WDR92	4.4	1.83E-27	-0.025	4	9.1	Q2
IPI00873253;l	SEC11A	17.1	9.45E-21	-0.025	6	7.4	Q2
IPI00784366;l	AP2B1	34.8	1.51E-300	-0.025	14	8.8	Q2
IPI00420108;l	DLST	19.6	1.87E-68	-0.025	7	4.8	Q2
IPI00291006;l	MDH2	65.7	<1.0E-304	-0.025	28	7.1	Q2
IPI00011253;l	RPS3	80.7	3.82E-225	-0.024	50	26.9	Q2
IPI00005161;l	ARPC2	47	7.02E-99	-0.024	15	12.9	Q2

IPI00472171;l	RPL7	59.5	1.16E-104	-0.024	32	20.4	Q2
IPI00024911;l	ERP29	47.5	1.43E-121	-0.024	12	12.3	Q2
IPI00013862;l	DTYMK	63.2	1.96E-59	-0.024	11	11.5	Q2
IPI00219018;l	GAPDH	74.6	<1.0E-304	-0.024	91	13.5	Q2
IPI00472939;l	SPCS2	49.8	5.22E-188	-0.024	8	3.8	Q2
IPI00001541	TIMM9	77.5	6.07E-28	-0.023	6	7.6	Q2
IPI00026689;l	CDC2	58.7	4.14E-152	-0.023	7	17.4	Q2
IPI00478231;l	RHOA	59.6	4.08E-243	-0.023	36	16.6	Q2
IPI00013195;l	MRPL49	38.6	5.24E-57	-0.023	4	11.4	Q2
IPI00006579;l	COX4I1	32.5	2.87E-34	-0.023	23	18.2	Q2
IPI00027993	RAB25	19.2	5.10E-23	-0.023	3	9.8	Q2
IPI00020042;l	PSMC4	31.8	1.09E-173	-0.023	6	17.6	Q2
IPI00152658;l	NEK7	16.2	3.63E-09	-0.023	2	21.7	Q2
IPI00013683;l	TUBB3	18.9	<1.0E-304	-0.023	12	9.9	Q2
IPI00031169;l	RAB2A	67	1.39E-184	-0.023	24	14.2	Q2
IPI00642984;l	BCAP31	25.9	3.92E-62	-0.022	21	86.8	Q2
IPI00176903;l	PTRF	22.3	6.86E-246	-0.022	14	11.4	Q2
IPI00010204;l	SFRS3	27.4	6.91E-47	-0.022	9	8.5	Q2
IPI00412607;l	RPL35	39	4.31E-14	-0.022	9	12.2	Q2
IPI00027798	FAM103A1	14.4	3.23E-04	-0.022	2	1.7	Q2
IPI00017375;l	SEC23A	20.8	3.48E-203	-0.022	5	5.5	Q2
IPI00009010;l	AD	38.4	2.45E-65	-0.022	9	12.8	Q2
IPI00216965;l	GOSR2	13.1	4.53E-09	-0.022	2	10.4	Q2
IPI00010720;l	CCT5	50.1	2.96E-275	-0.021	20	12.0	Q2
IPI00011416;l	ECH1	24.7	1.92E-118	-0.021	6	7.2	Q2
IPI00033143	EIF3K	34.4	5.83E-118	-0.021	2	8.2	Q2
IPI00024662	CBX5	31.9	2.31E-98	-0.021	4	2.8	Q2
IPI00003326;l	ARL2	23.9	6.90E-33	-0.021	5	11.7	Q2
IPI00024920	ATP5D	26.2	2.65E-56	-0.021	8	7.2	Q2
IPI00014808	PAFAH1B3	14.7	9.47E-07	-0.021	4	9.4	Q2
IPI00921428;l	IMPA1	16.1	5.46E-32	-0.021	5	8.1	Q2
IPI00216057;l	SORD	31.7	1.81E-113	-0.020	5	17.9	Q2
IPI00554705;l	DCTD	51.9	1.48E-90	-0.020	6	10.2	Q2
IPI00220271;l	AKR1A1	58.5	6.07E-241	-0.020	12	11.0	Q2
IPI00789155;l	CALU	41.5	9.16E-130	-0.020	5	5.3	Q2

IPI00003865;l	HSPA8	65	<1.0E-304	-0.020	87	20.1	Q2
IPI00028091;l	ACTR3	56	9.02E-206	-0.020	17	12.8	Q2
IPI00024670;l	REEP5	20.6	3.82E-36	-0.019	10	6.8	Q2
IPI00909853;l	DDT	18.4	1.81E-46	-0.019	4	6.0	Q2
IPI00181728	BXDC2	21.2	2.10E-88	-0.019	3	3.7	Q2
IPI00146447;l	VMA21	21.8	1.05E-03	-0.019	3	5.6	Q2
IPI00303882;l	M6PRBP1	46.3	<1.0E-304	-0.019	21	17.3	Q2
IPI00033025;l	SEPT7	26.3	1.41E-196	-0.019	11	11.5	Q2
IPI00412987;l	GMFB	34.4	5.58E-73	-0.018	4	2.8	Q2
IPI00022421;l	COX7A2L	33.3	3.58E-17	-0.018	4	7.5	Q2
IPI00026216;l	NPEPPS	28.4	3.89E-130	-0.018	17	13.5	Q2
IPI00894340;l	40423	34.9	2.43E-192	-0.018	8	10.6	Q2
IPI00014589;l	CLTB	31.4	7.32E-16	-0.018	9	6.0	Q2
IPI00647286;l	C9orf88	30.6	3.63E-228	-0.018	12	21.1	Q2
IPI00030702;l	IDH3A	40.7	9.95E-126	-0.018	15	13.5	Q2
IPI00644079;l	HNRNPU	36.1	<1.0E-304	-0.018	15	8.0	Q2
IPI00025091	RPS11	62	6.54E-75	-0.017	31	38.5	Q2
IPI00291922	PSMA5	52.3	7.20E-192	-0.017	16	8.4	Q2
IPI00883896;l	LIMA1	41.6	1.65E-302	-0.017	22	11.0	Q2
IPI00827508;l	RPL10A	53.4	7.23E-214	-0.017	32	11.3	Q2
IPI00017895;l	GPD2	26	4.40E-110	-0.016	4	6.1	Q2
IPI00871585;l	BID	25.3	3.40E-42	-0.016	3	6.1	Q2
IPI00793443;l	IPO5	39.9	<1.0E-304	-0.016	14	10.0	Q2
IPI00010201;l	PSMD8	20.3	9.60E-42	-0.016	6	10.3	Q2
IPI00746655;l	FAM62A	32.9	<1.0E-304	-0.016	15	11.1	Q2
IPI00294472;l	TMED5	21.4	1.82E-36	-0.016	8	24.3	Q2
IPI00216746;l	HNRNPK	48.9	<1.0E-304	-0.016	43	13.7	Q2
IPI00298961;l	XPO1	37	<1.0E-304	-0.015	9	15.3	Q2
IPI00016610	PCBP1	39	1.53E-254	-0.015	27	11.7	Q2
IPI00028888;l	HNRNPD	23.7	9.63E-134	-0.015	12	6.0	Q2
IPI00015842	RCN1	14.5	7.33E-61	-0.014	2	0.1	Q2
IPI00304612;l	RPL13A	49.3	5.33E-72	-0.014	36	9.3	Q2
IPI00442073;l	CSRP1	55.4	1.29E-128	-0.014	11	9.4	Q2
IPI00295741;l	CTSB	25.4	6.00E-103	-0.014	16	12.5	Q2
IPI00028006;l	PSMB2	35.3	3.60E-82	-0.013	7	8.5	Q2

IPI00014230;l	C1QBP	26.2	3.62E-162	-0.013	8	14.5	Q2
IPI00894395;l	PSMB9	14.2	3.57E-22	-0.013	3	1.5	Q2
IPI00554681;l	NDUFA5	16.4	1.63E-11	-0.013	3	17.1	Q2
IPI00016249;l	FXR1	11.6	1.42E-31	-0.013	2	10.3	Q2
IPI00072377;l	SET	32.8	1.25E-114	-0.013	18	10.9	Q2
IPI00011268;l	RALY	34.2	3.29E-49	-0.013	20	11.5	Q2
IPI00300567;l	DCI	16.9	4.35E-46	-0.013	6	9.7	Q2
IPI00015866;l	ARL2BP	5.5	7.47E-08	-0.013	2	10.5	Q2
IPI00872177;l	PPP1CB	14.4	9.77E-282	-0.013	4	5.8	Q2
IPI00006211;l	VAPB	30.9	2.35E-72	-0.013	7	10.8	Q2
IPI00472442;l	PSMA1	47.6	1.28E-105	-0.012	18	6.0	Q2
IPI00376798;l	RPL11	46.1	2.73E-58	-0.012	24	13.0	Q2
IPI00479306;l	PSMB5	42.2	1.00E-111	-0.012	12	35.9	Q2
IPI00334713;l	HNRNPAB	38.6	1.36E-124	-0.012	18	12.2	Q2
IPI00183626;l	PTBP1	36.3	<1.0E-304	-0.012	21	8.9	Q2
IPI00218071	HS3ST5	2.9	4.67E-02	-0.012	2	1.1	Q2
IPI00289499;l	ATIC	52	<1.0E-304	-0.012	16	11.9	Q2
IPI00884105;l	LAMP1	12.2	2.43E-59	-0.012	3	15.8	Q2
IPI00018206;l	GOT2	47.7	1.95E-215	-0.012	20	11.0	Q2
IPI00017344;l	RAB5B	24.2	9.37E-80	-0.012	5	13.2	Q2
IPI00010796;l	P4HB	56.5	6.12E-209	-0.012	45	10.6	Q2
IPI00003519;l	EFTUD2	27.5	<1.0E-304	-0.011	6	10.8	Q2
IPI00290142;l	CTPS	40.1	1.10E-213	-0.011	8	17.5	Q2
IPI00873222;l	CCT4	55.8	<1.0E-304	-0.011	28	11.7	Q2
IPI00456008;l	ATP5J	28.4	1.09E-57	-0.011	4	4.8	Q2
IPI00008164	PREP	28.5	<1.0E-304	-0.011	4	17.3	Q2
IPI00395887;l	TMX1	22.5	4.23E-45	-0.011	8	5.5	Q2
IPI00419373;l	HNRNPA3	31.5	8.85E-218	-0.011	12	8.9	Q2
IPI00216048;l	PITPNA	28.5	6.15E-24	-0.011	4	5.6	Q2
IPI00847342;C	KRT7	56.1	<1.0E-304	-0.011	73	11.7	Q2
IPI00100160;l	CAND1	36.7	<1.0E-304	-0.010	14	6.6	Q2
IPI00853201;l	MRPL23	27.2	1.46E-33	-0.010	2	3.1	Q2
IPI00002968	MOCS2	21.6	1.81E-02	-0.010	4	1.5	Q2
IPI00871870;l	ARPC3	46.1	5.45E-81	-0.010	19	8.7	Q2
IPI00290566;l	CCT1	54	<1.0E-304	-0.010	23	12.1	Q2

IPI00909484;I	CDC42	28.8	2.14E-58	-0.010	7	20.5	Q2
IPI00477686;I	GTF2F2	10.4	1.36E-09	-0.010	3	4.7	Q2
IPI00005158;I	LONP1	9.9	1.12E-52	-0.010	2	1.1	Q2
IPI00456758	RPL27A	44.6	7.62E-46	-0.010	27	15.8	Q2
IPI00290460;I	EIF3G	35	1.32E-88	-0.010	3	3.9	Q2
IPI00027252;I	PHB2	68.2	3.96E-258	-0.010	20	11.7	Q2
IPI00013415;I	RPS7	49.5	1.71E-63	-0.009	17	7.4	Q2
IPI00020965;I	UBE2H	26.8	1.10E-27	-0.009	3	6.6	Q2
IPI00903255;I	OSTF1	43	4.87E-120	-0.009	5	9.0	Q2
IPI00748502;I	CRTAP	11.5	1.80E-26	-0.009	3	10.8	Q2
IPI00017448;I	RPS21	63.9	2.90E-54	-0.009	23	13.9	Q2
IPI00009104;I	RUVBL2	43.2	3.26E-274	-0.009	9	2.8	Q2
IPI00440493;I	ATP5A1	56.1	<1.0E-304	-0.009	43	6.0	Q2
IPI00032808;I	RAB3D	18.7	6.97E-77	-0.009	6	12.4	Q2
IPI00465361;I	RPL13	46	1.57E-41	-0.008	30	27.0	Q2
IPI00030116;I	PGM3	8.9	7.12E-12	-0.008	5	13.1	Q2
IPI00031583;F	USO1	19.6	3.10E-157	-0.008	9	11.5	Q2
IPI00217357	CCAR1	11.4	5.79E-116	-0.008	2	3.5	Q2
IPI00185374;I	PSMD12	36	7.56E-154	-0.008	14	10.1	Q2
IPI00646304;I	PPIB	58.8	7.04E-175	-0.008	34	8.7	Q2
IPI00024919;I	PRDX3	30.9	4.07E-89	-0.008	9	7.6	Q2
IPI00011285;I	CAPN1	33.9	5.06E-140	-0.008	19	11.4	Q2
IPI00306960;I	NARS	32.7	8.67E-177	-0.008	11	7.8	Q2
IPI00017451;I	SF3A1	21.4	1.70E-101	-0.008	4	4.9	Q2
IPI00010182;I	DBI	51.7	2.73E-11	-0.008	4	9.1	Q2
IPI00027626;I	CCT6A	51.4	1.68E-297	-0.007	21	9.4	Q2
IPI00411680;I	PCMT1	52.6	4.68E-220	-0.007	8	20.0	Q2
IPI00872430;I	RPS8	55.8	9.10E-173	-0.007	35	10.9	Q2
IPI00025273;I	GART	37.5	<1.0E-304	-0.007	15	8.8	Q2
IPI00002745;I	CTSZ	15.8	8.77E-41	-0.006	5	9.0	Q2
IPI00005511	PHF5A	40.9	6.68E-28	-0.006	8	12.4	Q2
IPI00001661;I	RCC1	21.7	2.71E-100	-0.006	2	2.3	Q2
IPI00448095;I	DCXR	23.8	2.50E-20	-0.006	3	9.8	Q2
IPI00029267	SNRPB2	31.6	2.15E-17	-0.006	8	12.9	Q2
IPI00021187;I	RUVBL1	48.2	2.74E-293	-0.006	13	6.9	Q2

IPI00449197;I	GMPR2	14.9	5.73E-11	-0.006	7	9.7	Q2
IPI00032872;I	MRPS16	34.3	2.59E-20	-0.005	3	4.4	Q2
IPI00300725;C	KRT6A	67.4	<1.0E-304	-0.005	324	30.2	Q2
IPI00007089	TINP1	15.8	8.71E-10	-0.005	3	16.5	Q2
IPI00014577;I	RAB18	51	9.01E-144	-0.005	11	11.9	Q2
IPI00909195;I	HN1L	36.2	1.37E-111	-0.005	5	13.9	Q2
IPI00298520;I	ARCN1	27.9	1.44E-89	-0.005	13	11.5	Q2
IPI00297492;I	STT3A	9.4	1.15E-24	-0.005	5	3.4	Q2
IPI00063827;I	ABHD14B	44.3	3.06E-76	-0.005	6	17.0	Q2
IPI00219446;I	PEBP1	79.7	2.97E-304	-0.005	13	9.5	Q2
IPI00025252;I	PDIA3	61.2	<1.0E-304	-0.005	36	8.9	Q2
IPI00413344;I	CFL2	37.3	8.10E-127	-0.005	5	13.0	Q2
IPI00550032;I	RP11	53.4	2.54E-80	-0.005	20	12.5	Q2
IPI00020008;I	NEDD8	28.4	1.73E-22	-0.005	7	6.2	Q2
IPI00016405;I	OCIAD1	19.6	5.66E-21	-0.004	4	5.7	Q2
IPI00427330;I	SBDS	51.2	2.42E-89	-0.004	17	9.6	Q2
IPI00009328;I	EIF4A3	31.4	1.36E-118	-0.004	8	14.9	Q2
IPI00020928;I	TFAM	22.4	2.65E-28	-0.004	3	4.5	Q2
IPI00010157;I	MAT2A	32.9	7.63E-205	-0.004	2	6.4	Q2
IPI00386189;I	NARG1	32.4	3.90E-120	-0.004	13	17.9	Q2
IPI00395627;I	CACYBP	58.3	4.86E-121	-0.004	11	11.1	Q2
IPI00010080;I	OXSRI	20.3	4.23E-179	-0.003	5	11.1	Q2
IPI00009374	GSKIP	15.1	3.65E-05	-0.003	2	1.7	Q2
IPI00031691;I	RPL9	56.8	4.87E-157	-0.003	16	13.1	Q2
IPI00014238;I	KARS	30.8	5.46E-97	-0.003	11	16.4	Q2
IPI00815732	DKFZp781N1372	45.1	3.53E-150	-0.003	14	6.7	Q2
IPI00295992;I	ATAD3A	18.9	2.64E-56	-0.003	6	8.8	Q2
IPI00300074	FARSB	37	2.11E-109	-0.002	14	13.2	Q2
IPI00171438;I	TXNDC5	23.1	1.93E-63	-0.002	10	83.6	Q2
IPI00301936;I	ELAVL1	31.7	1.37E-111	-0.002	12	7.7	Q2
IPI00022774;I	VCP	57.2	<1.0E-304	-0.002	50	9.2	Q2
IPI00411705;I	CLLD6	18.4	1.27E-09	-0.002	4	6.1	Q2
IPI00060627	CCDC124	35.9	2.54E-105	-0.002	11	4.7	Q2
IPI00550917;I	TWF2	46.1	4.33E-129	-0.002	12	8.9	Q2
IPI00219445;I	PSME3	43.8	9.47E-133	-0.002	12	11.8	Q2

IPI00410631;l	FAM45A	13.4	5.62E-09	-0.002	2	6.4	Q2
IPI00012197	DCTPP1	44.1	5.30E-63	-0.002	6	10.6	Q2
IPI00887241;l	RPS28	35.2	1.42E-29	-0.002	12	6.8	Q2
IPI00061531;l	MRPL53	41.1	3.32E-40	-0.001	4	18.1	Q2
IPI00289876;l	STX7	29.5	6.09E-81	-0.001	4	12.0	Q2
IPI00639982;l	DYNLT3	10.5	6.99E-14	-0.001	3	9.8	Q2
IPI00016372;l	RAB9A	12.4	1.23E-05	-0.001	2	13.6	Q2
IPI00023161;l	MRPL46	24	8.73E-57	-0.001	5	11.2	Q2
IPI00029629	TRIM25	21.7	7.30E-143	-0.001	8	25.4	Q2
IPI00215780;l	RPS19	69	3.98E-54	-0.001	29	13.6	Q2
IPI00010404	SF3B5	37.2	2.26E-35	0.000	9	8.2	Q2
IPI00219029;l	GOT1	41.2	5.06E-147	0.000	5	16.6	Q2
IPI00008599;l	EBP	16.5	7.53E-21	0.000	4	1.6	Q2
IPI00295857;l	COPA	46.5	<1.0E-304	0.000	2	1.6	Q2
IPI00011916;l	AIMP2	17.5	2.23E-87	0.000	4	9.5	Q2
IPI00465248;l	ENO1	69.8	<1.0E-304	0.000	93	11.8	Q2
IPI00005050	MRPS14	28.9	1.19E-35	0.000	4	21.0	Q2
IPI00419979;l	PAK2	14.1	2.14E-41	0.000	6	6.1	Q2
IPI00007611;l	ATP5O	70	7.79E-273	0.000	13	6.0	Q2
IPI00011876;l	MTAP	60.3	2.42E-266	0.000	14	12.4	Q2
IPI00027223;l	IDH1	44.2	1.10E-236	0.000	14	10.7	Q2
IPI00926903;l	CHCHD3	33.6	2.22E-87	0.000	7	7.9	Q2
IPI00748145;l	GNAI2	49	1.43E-188	0.000	19	13.8	Q2
IPI00027834;l	HNRNPL	42.8	1.64E-254	0.001	14	12.7	Q2
IPI00220487;l	ATP5H	78.3	5.66E-142	0.001	6	11.0	Q2
IPI00305064;l	CD44	8	1.28E-74	0.001	15	14.0	Q2
IPI00011274;l	HNRPDL	18.8	4.52E-171	0.001	13	12.7	Q2
IPI00007019	PPIL1	20.5	3.98E-55	0.002	4	19.0	Q2
IPI00025277	PDCD6	44	5.53E-47	0.002	8	11.9	Q2
IPI00784154;l	HSPD1	61.6	<1.0E-304	0.002	31	7.9	Q2
IPI00218493;l	HPRT1	49.5	1.58E-129	0.002	10	15.4	Q2
IPI00925713;l	RPL10	54.3	1.96E-97	0.002	32	10.1	Q2
IPI00012750;l	RPS25	35.2	1.89E-26	0.002	16	7.4	Q2
IPI00032439;l	POLR1D	28.6	3.69E-28	0.002	2	8.3	Q2
IPI00299088;l	BAIAP2	21.7	1.86E-38	0.002	4	3.2	Q2

IPI00219871;l	LSM8	37.5	5.00E-17	0.002	5	14.0	Q2
IPI00021167;l	PRKRA	8	1.03E-31	0.002	2	7.2	Q2
IPI00014263	EIF4H	53.6	5.68E-157	0.002	24	8.2	Q2
IPI00027270;l	RPL26	40	5.90E-19	0.002	42	14.0	Q2
IPI00179330;l	RPS27A	64.7	4.32E-127	0.002	95	9.0	Q2
IPI00041325;l	NHP2	37.9	1.32E-92	0.002	8	9.4	Q2
IPI00174852;l	MED20	14.6	1.85E-05	0.003	2	1.3	Q2
IPI00015891	PFDN4	32.8	5.43E-41	0.003	4	24.9	Q2
IPI00290204;l	SNRNP70	19.7	5.85E-14	0.003	6	15.5	Q2
IPI00247583;l	RPL21	42.5	1.45E-89	0.003	13	19.2	Q2
IPI00017963;l	SNRPD2	67.8	3.14E-93	0.003	21	7.8	Q2
IPI00217465;l	HIST1H1C	40.8	5.30E-79	0.003	30	19.3	Q2
IPI00216694;l	PLS3	55.7	<1.0E-304	0.003	30	17.8	Q2
IPI00005198;l	ILF2	37.2	1.56E-207	0.003	13	9.5	Q2
IPI00011454;l	GANAB	40.5	<1.0E-304	0.004	19	11.0	Q2
IPI00477313;l	HNRNPC	45.8	8.19E-140	0.004	39	13.5	Q2
IPI00219774;l	PRKAR2A	21.5	1.64E-80	0.004	3	18.5	Q2
IPI00012512;l	RRAS2	35.7	3.74E-93	0.004	6	14.8	Q2
IPI00847168;l	RSU1	33.6	8.28E-59	0.004	10	16.4	Q2
IPI00018465;l	CCT7	51.9	<1.0E-304	0.004	23	7.6	Q2
IPI00867509;l	CORO1C	31.3	1.03E-220	0.004	9	7.7	Q2
IPI00216308;l	VDAC1	71.7	<1.0E-304	0.004	22	10.5	Q2
IPI00306195;l	AKT1S1	7.2	2.25E-05	0.004	2	5.3	Q2
IPI00170692;l	VAPA	42.6	5.85E-75	0.005	14	10.2	Q2
IPI00004860;l	RARS	47	<1.0E-304	0.005	17	12.3	Q2
IPI00644712;l	XRCC6	48.3	<1.0E-304	0.005	23	8.3	Q2
IPI00382843;l	PRNP	14.7	9.90E-40	0.005	6	7.8	Q2
IPI00024097;l	TES	30.4	1.27E-88	0.005	8	12.3	Q2
IPI00009922	SLIRP	49.5	1.28E-27	0.005	9	14.9	Q2
IPI00789551;l	MATR3	28.3	6.40E-196	0.005	13	14.7	Q2
IPI00903105;l	CIAPIN1	22.1	1.15E-47	0.005	4	1.8	Q2
IPI00029012	EIF3A	43	1.44E-244	0.005	11	19.8	Q2
IPI00027448	ATP5L	55.3	2.05E-80	0.005	12	16.2	Q2
IPI00328753;l	KTN1	22.8	2.00E-182	0.006	3	5.6	Q2
IPI00016746;l	CBFB	23.6	1.04E-85	0.006	4	5.5	Q2

IPI00002520;l	SHMT2	32.7	5.43E-200	0.006	11	14.6	Q2
IPI00021440;l	ACTG1	77.3	<1.0E-304	0.006	255	13.0	Q2
IPI00550234;l	ARPC5	43.7	7.00E-36	0.006	6	5.8	Q2
IPI00024976	TOMM22	66.2	1.27E-176	0.006	7	6.1	Q2
IPI00171903;l	HNRNPM	53.4	<1.0E-304	0.006	24	11.7	Q2
IPI00073096;l	TRIM29	26.9	3.78E-62	0.006	9	6.8	Q2
IPI00291695;l	GPX8	24.4	2.80E-10	0.006	2	28.5	Q2
IPI00003438	DNAJC8	20.2	1.60E-10	0.006	5	12.2	Q2
IPI00719752;l	EIF3B	37	2.35E-296	0.006	13	21.1	Q2
IPI00219155;l	RPL27	55.9	9.71E-40	0.006	19	23.1	Q2
IPI00013485;l	RPS2	50.2	3.85E-186	0.006	37	12.8	Q2
IPI00008380;l	PPP2CA	48.2	3.42E-231	0.007	12	7.4	Q2
IPI00744692;l	TALDO1	40.7	7.83E-105	0.007	19	8.3	Q2
IPI00013917;l	RPS12	71.2	5.87E-163	0.007	22	6.5	Q2
IPI00215914;l	ARF1	69.1	5.76E-180	0.007	35	16.9	Q2
IPI00017672;l	NP	76.8	4.16E-295	0.007	37	8.5	Q2
IPI00026663;l	ALDH1A3	50.8	<1.0E-304	0.008	26	11.1	Q2
IPI00010414	PDLIM1	82.4	<1.0E-304	0.008	31	44.1	Q2
IPI00027230;l	HSP90B1	59.7	<1.0E-304	0.008	61	13.1	Q2
IPI00220528	SNRPF	55.8	1.78E-39	0.008	14	10.0	Q2
IPI00008527;l	RPLP1	51.8	1.33E-111	0.009	3	11.2	Q2
IPI00215919;l	ARF5	30	3.83E-127	0.009	6	5.4	Q2
IPI00218463;l	TIMM16	38.4	1.53E-87	0.009	4	6.0	Q2
IPI00016346;l	PROSC	32.7	1.31E-84	0.009	5	5.7	Q2
IPI00554737;l	PPP2R1A	47.9	<1.0E-304	0.009	20	72.2	Q2
IPI00005038;l	HRSP12	15.3	7.58E-12	0.009	3	19.5	Q2
IPI00000861;l	LASP1	52.1	2.91E-72	0.009	32	47.7	Q2
IPI00015029;l	PTGES3	36.9	2.13E-94	0.009	12	7.2	Q2
IPI00026833	ADSS	21.3	5.74E-86	0.009	2	6.8	Q2
IPI00414676;l	HSP90AB1	63.8	<1.0E-304	0.009	66	10.5	Q2
IPI00658155;l	MRPS34	18.7	7.15E-26	0.010	3	2.5	Q2
IPI00012772;l	RPL8	28.4	3.51E-43	0.010	20	18.8	Q2
IPI00291510;l	IMPDH2	35.2	1.77E-257	0.010	16	13.3	Q2
IPI00232533;l	EIF1AX	45.8	3.42E-45	0.010	8	6.0	Q2
IPI00642211;l	RNPEP	17.9	2.90E-63	0.010	5	18.3	Q2

IPI00297477;l	SNRPA1	41.2	4.25E-127	0.010	9	9.9	Q2
IPI00219910;l	BLVRB	38.2	1.87E-75	0.010	7	8.2	Q2
IPI00004902;l	ETFB	60	2.23E-116	0.010	20	11.5	Q2
IPI00221091;l	RPS15A	35.4	1.03E-11	0.010	35	9.8	Q2
IPI00010863	ATOX1	50	3.53E-09	0.011	6	6.2	Q2
IPI00024821;l	PSMD14	43.5	2.29E-56	0.011	6	5.5	Q2
IPI00375677;l	MRPL21	19.6	3.28E-11	0.011	2	11.8	Q2
IPI00419194;l	IAH1	18.1	1.18E-07	0.011	3	4.3	Q2
IPI00012079;l	EIF4B	24.4	5.08E-50	0.011	4	7.3	Q2
IPI00902584;l	VASP	30.1	1.39E-67	0.011	6	16.5	Q2
IPI00007001;l	MRPL11	46.9	2.06E-43	0.011	7	7.7	Q2
IPI00293434;l	SRP14	40.4	1.61E-67	0.011	9	19.2	Q2
IPI00640817;l	AK1	37.6	1.62E-70	0.011	5	8.4	Q2
IPI00003768;l	PES1	10.4	3.54E-24	0.011	4	25.9	Q2
IPI00103994;l	LARS	42	<1.0E-304	0.011	11	15.8	Q2
IPI00872940;l	RPL30	77.4	3.15E-150	0.011	32	8.9	Q2
IPI00382470;l	HSP90AA1	32.8	<1.0E-304	0.012	33	24.9	Q2
IPI00007755;l	RAB21	39.1	7.23E-115	0.012	8	11.2	Q2
IPI00218993;l	HSPH1	48.3	<1.0E-304	0.012	11	8.1	Q2
IPI00299155;l	PSMA4	55.6	1.13E-195	0.012	12	7.1	Q2
IPI00000105;l	MVP	47.7	<1.0E-304	0.012	34	13.6	Q2
IPI00220739;l	PGRMC1	34.9	9.94E-107	0.012	11	9.0	Q2
IPI00873110;l	LYRM7	31.7	1.12E-10	0.012	4	13.6	Q2
IPI00001543	TIMM10	16.7	7.87E-03	0.012	2	6.0	Q2
IPI00001146	LSM6	43.8	3.74E-13	0.012	6	7.6	Q2
IPI00029631	ERH	34.6	1.30E-23	0.012	10	10.1	Q2
IPI00028160;l	HMBS	13	3.05E-150	0.013	3	17.3	Q2
IPI00028481;l	RAB8A	33.8	1.14E-97	0.013	13	25.2	Q2
IPI00013068;l	EIF3E	47.9	1.22E-199	0.013	11	7.8	Q2
IPI00219604;l	MAP2K1	23.7	9.60E-15	0.014	5	12.1	Q2
IPI00024175;l	PSMA7	44.8	1.40E-174	0.014	12	5.2	Q2
IPI00023647;l	UBA6	29.4	4.55E-278	0.014	13	14.1	Q2
IPI00156689;l	VAT1	26.2	3.04E-169	0.014	10	10.5	Q2
IPI00747533;l	PGD	40.7	<1.0E-304	0.014	20	9.9	Q2
IPI00031616;l	C17orf37	13.6	8.77E-07	0.014	5	14.0	Q2

IPI00554711;l	JUP	29	1.17E-256	0.014	12	5.9	Q2
IPI00010896;l	CLIC1	79.3	<1.0E-304	0.014	29	10.8	Q2
IPI00029444;l	C12orf10	11.7	3.17E-43	0.014	4	21.1	Q2
IPI00011603;l	PSMD3	32.8	3.16E-219	0.014	14	23.8	Q2
IPI00011302	CD59	25	3.46E-27	0.014	11	11.7	Q2
IPI00175096;l	TTC9C	21.6	2.09E-13	0.015	6	27.5	Q2
IPI00328748;l	ARMET	32.1	8.45E-94	0.015	13	8.2	Q2
IPI00384444;l	KRT14	81.6	<1.0E-304	0.015	434	37.6	Q2
IPI00828150;l	SUGT1	29.3	1.67E-99	0.015	6	14.5	Q2
IPI00032206;l	PDLIM4	30.6	2.51E-27	0.015	7	24.8	Q2
IPI00293655	DDX1	28.1	3.67E-150	0.015	9	13.9	Q2
IPI00796864;l	DPM1	32.5	1.57E-59	0.015	8	9.2	Q2
IPI00889541;l	DDX17	21.1	2.68E-163	0.015	5	10.3	Q2
IPI00014151;l	PSMD6	42.4	1.08E-128	0.015	9	7.4	Q2
IPI00007188	SLC25A5	50.7	1.07E-172	0.015	45	13.9	Q2
IPI00003923;l	UMPS	26.7	5.77E-112	0.016	6	21.8	Q2
IPI00151462;l	MAP1LC3B2	5.6	4.87E-02	0.016	2	10.6	Q2
IPI00874235;l	ERGIC1	14.8	4.70E-14	0.016	3	2.5	Q2
IPI00012074;l	HNRNPR	24.8	4.14E-199	0.016	4	8.5	Q2
IPI00008569;l	YKT6	53.5	1.05E-111	0.016	11	6.4	Q2
IPI00604620;l	NCL	37.2	<1.0E-304	0.016	23	16.8	Q2
IPI00013122	CDC37	33.9	3.37E-158	0.016	8	12.7	Q2
IPI00014377	RAB32	30.2	1.87E-34	0.016	9	15.1	Q2
IPI00014624	AP3S1	18.1	1.22E-69	0.016	10	9.8	Q2
IPI00024993	ECHS1	43.4	1.59E-266	0.016	10	15.1	Q2
IPI00032830;l	REXO2	27.8	4.80E-25	0.016	8	24.8	Q2
IPI00012011;l	CFL1	89.2	<1.0E-304	0.016	59	13.7	Q2
IPI00555956	PSMB4	31.8	3.15E-191	0.016	7	5.6	Q2
IPI00107104;l	CXorf26	41.2	3.27E-119	0.016	6	7.8	Q2
IPI00021700	PCNA	64.4	6.15E-261	0.017	18	6.3	Q2
IPI00220014;l	IDI1	25.4	4.31E-75	0.017	9	13.5	Q2
IPI00910781;l	GPI	37.3	6.55E-265	0.017	21	38.9	Q2
IPI00007402	IPO7	24.2	<1.0E-304	0.017	10	4.9	Q2
IPI00646689;l	TXNDC17	44.7	3.00E-44	0.017	15	6.8	Q2
IPI00015148;l	RAP1B	41.8	1.19E-102	0.017	10	8.8	Q2

IPI00217563;l	ITGB1	26.8	9.83E-119	0.018	10	5.8	Q2
IPI00009901	NUTF2	22.8	7.71E-04	0.018	3	10.3	Q2
IPI00003588;l	EEF1E1	44.3	1.05E-36	0.018	10	13.3	Q2
IPI00418471;l	VIM	76.4	<1.0E-304	0.018	116	16.4	Q2
IPI00168262;l	GLT25D1	8.4	9.21E-09	0.019	2	3.1	Q2
IPI00017469;l	SPR	33.7	4.26E-152	0.019	4	8.2	Q2
IPI00328170;l	MOGS	17.4	1.36E-81	0.019	4	29.6	Q2
IPI00029731;l	RPL35A	45.5	6.84E-10	0.019	29	12.8	Q2
IPI00011250;l	UCHL3	46.1	1.69E-113	0.019	9	6.6	Q2
IPI00215878;l	ATP5E	45.1	1.87E-02	0.019	3	6.1	Q2
IPI00024664;l	USP5	20.2	2.43E-105	0.020	6	8.1	Q2
IPI00555902;l	OCIAD2	63	2.06E-53	0.020	16	9.2	Q2
IPI00796379;l	beta 2	21.3	3.37E-11	0.020	8	10.6	Q2
IPI00515106;l	GUK1	19.1	6.10E-19	0.020	3	4.1	Q2
IPI00219675;l	RAC1	48.3	1.04E-154	0.020	22	16.7	Q2
IPI00303476;l	ATP5B	61.1	<1.0E-304	0.020	44	11.0	Q2
IPI00303568;l	PTGES2	21	1.11E-87	0.020	3	7.6	Q2
IPI00002214;l	KPNA2	28.2	3.23E-195	0.020	4	15.7	Q2
IPI00375531;l	NME1	7.9	7.99E-125	0.020	4	2.9	Q2
IPI00032561;l	CAB39	41.6	7.89E-78	0.020	14	6.9	Q2
IPI00031420	UGDH	21.7	4.05E-81	0.020	5	10.0	Q2
IPI00473014;l	DSTN	50.3	1.24E-90	0.021	24	10.2	Q2
IPI00100980;l	EHD2	15.1	4.14E-56	0.021	3	23.1	Q2
IPI00790342;l	RPL6	49.1	3.09E-120	0.021	41	15.4	Q2
IPI00015952;l	EIF4G2	23.7	2.31E-141	0.021	9	14.8	Q2
IPI00007102;l	C17orf25	26.8	4.83E-151	0.021	11	8.9	Q2
IPI00412811	COMMD10	20.3	6.56E-17	0.021	2	4.8	Q2
IPI00304577;l	AP2A1	23.1	4.48E-218	0.021	5	16.0	Q2
IPI00009943;l	TPT1	52.7	9.23E-125	0.021	15	4.8	Q2
IPI00217943;l	RAB6A	62.5	5.09E-93	0.021	20	8.4	Q2
IPI00177008	PGP	27.1	6.30E-42	0.021	2	23.6	Q2
IPI00026202;l	RPL18A	51.1	2.58E-96	0.021	12	4.6	Q2
IPI00219153;l	RPL22	32	2.80E-57	0.021	16	9.3	Q2
IPI00296053;l	FH	28.2	4.88E-191	0.022	6	8.0	Q2
IPI00056334;l	PRKCDBP	44.1	5.99E-111	0.022	14	11.7	Q2

IPI00011654;I	TUBB	73.4	<1.0E-304	0.022	141	16.3	Q2
IPI00020472;I	TMEM111	18.4	9.71E-72	0.022	2	2.6	Q2
IPI00020599;I	CALR	52.5	3.01E-268	0.022	24	11.5	Q2
IPI00025491;I	EIF4A1	60.6	<1.0E-304	0.022	51	19.3	Q2
IPI00479145;I	KRT19	29.5	<1.0E-304	0.022	31	16.0	Q2
IPI00871693;I	VAMP3	52	2.46E-139	0.022	8	7.1	Q2
IPI00220493;I	LSM5	20.9	3.87E-48	0.023	2	3.0	Q2
IPI00107555;I	PFN2	30.9	4.01E-77	0.023	10	11.4	Q2
IPI00908697;I	CCDC115	8.8	7.10E-08	0.023	3	16.6	Q2
IPI00852741;I	SEC31A	20.4	3.56E-77	0.023	13	21.9	Q2
IPI00026302;I	RPL31	48	3.90E-42	0.023	22	25.6	Q2
IPI00215719;I	RPL18	45.7	2.43E-86	0.023	26	10.0	Q2
IPI00003004;I	SLC25A22	11.5	9.56E-13	0.023	3	4.0	Q2
IPI00026154;I	PRKCSH	33.3	8.63E-215	0.023	6	6.5	Q2
IPI00291643	SPRYD4	20.8	1.85E-09	0.024	2	11.6	Q2
IPI00418313;I	ILF3	33.1	1.37E-298	0.024	12	10.6	Q2
IPI00410693;I	SERBP1	43.4	6.43E-156	0.024	20	13.4	Q2
IPI00016339;I	RAB5C	54.2	2.22E-175	0.024	19	11.8	Q2
IPI00306280;I	DENR	32.2	1.89E-135	0.024	3	4.8	Q2
IPI00872862;I	C1orf151	9	3.51E-03	0.025	2	4.8	Q2
IPI00100673;I	VPS24	14.9	1.99E-04	0.025	4	12.6	Q2
IPI00294779;I	VDAC3	39.8	5.40E-96	0.025	15	16.3	Q2
IPI00924787;I	MYD88	7.9	1.31E-05	0.025	3	4.2	Q2
IPI00007058;I	CORO1B	16.4	8.93E-42	0.025	4	4.3	Q2
IPI00410091	C11orf73	8.1	4.42E-04	0.026	2	16.7	Q2
IPI00063903	USMG5	43.1	1.79E-49	0.026	4	5.3	Q2
IPI00878611;I	RANBP1	25.4	6.33E-51	0.026	7	9.2	Q2
IPI00015361;I	PFDN5	59.1	1.44E-144	0.026	10	9.7	Q2
IPI00553185;I	CCT3	57.6	<1.0E-304	0.026	21	7.5	Q2
IPI00006865	SEC22B	45.1	7.00E-169	0.026	13	18.0	Q2
IPI00216298;I	TXN	48.6	8.53E-43	0.026	15	9.7	Q2
IPI00024067;I	CLTC	50.3	<1.0E-304	0.026	36	12.7	Q2
IPI00872295;I	ANXA8	48.9	<1.0E-304	0.027	22	8.4	Q2
IPI00021347;I	UBE2L3	47.4	1.23E-173	0.027	7	25.3	Q2
IPI00647217;F	SKIV2L2	22.1	4.53E-172	0.027	2	3.0	Q2

IPI00007423;l	ANP32B	34.7	1.35E-147	0.027	20	9.5	Q2
IPI00027107	TUFM	59.8	8.92E-287	0.027	14	14.7	Q2
IPI00015117;l	LAMC2	47	<1.0E-304	0.027	9	16.7	Q2
IPI00060031	ARL8A	16.7	2.12E-62	0.028	4	16.6	Q2
IPI00297579;l	CBX3	39.3	1.33E-156	0.028	9	6.0	Q2
IPI00746777;l	ADH5	35.6	4.96E-212	0.028	16	8.6	Q2
IPI00029133;l	ATP5F1	44.1	1.50E-72	0.028	11	7.5	Q2
IPI00028635;l	RPN2	20.2	2.37E-198	0.028	13	9.5	Q2
IPI00100748;l	HSPBP1	17.8	2.45E-48	0.028	4	4.7	Q2
IPI00005613;l	U2AF1	35	5.43E-93	0.028	7	10.6	Q2
IPI00221088;l	RPS9	59.8	1.01E-82	0.028	25	17.1	Q2
IPI00026111;l	TMCO1	24.5	3.47E-51	0.028	4	28.5	Q2
IPI00013877;l	HNRNPH3	30.9	1.80E-120	0.028	20	22.4	Q2
IPI00018873;l	NAMPT	32	8.01E-206	0.028	6	12.1	Q2
IPI00000051	PFDN1	37.7	4.06E-19	0.028	9	7.4	Q2
IPI00216319;l	YWHAH	44.3	5.49E-216	0.028	17	10.7	Q2
IPI00299193	SYNJ2BP	37.2	1.41E-12	0.029	4	12.8	Q2
IPI00219953;l	CMPK1	40.8	5.91E-97	0.029	6	18.6	Q2
IPI00418497;l	TIMM50	15.4	3.21E-83	0.029	6	8.4	Q2
IPI00219685;l	NDUFA13	15.9	3.18E-09	0.029	8	19.2	Q2
IPI00004988	MANBAL	14.1	2.23E-02	0.029	2	8.7	Q2
IPI00179589;l	MTPN	33.8	5.52E-71	0.029	7	7.6	Q2
IPI00030911;l	VAMP8	53	9.88E-76	0.029	10	28.2	Q2
IPI00008530;l	RPLP0	50.2	9.13E-247	0.029	32	14.3	Q2
IPI00061108;l	MRRF	21.4	8.64E-41	0.029	3	3.2	Q2
IPI00012345;l	SFRS6	11	2.14E-08	0.029	7	3.5	Q2
IPI00002824;l	CSRP2	36.8	7.05E-44	0.029	4	7.2	Q2
IPI00514619;l	C2orf4	35.7	1.25E-104	0.029	5	10.6	Q2
IPI00217277;l	SLC25A10	18.2	1.69E-55	0.029	4	17.3	Q2
IPI00016608;l	TMED2	23.9	1.80E-20	0.030	11	7.8	Q2
IPI00021267;l	EPHA2	12.9	5.18E-138	0.030	5	14.5	Q2
IPI00006907;l	TIGAR	37.4	6.68E-123	0.030	8	19.3	Q2
IPI00215918;l	ARF4	38.9	5.60E-152	0.030	19	18.0	Q2
IPI00419249;l	PSMA3	41.6	7.05E-90	0.030	14	15.7	Q2
IPI00017704	COTL1	40.8	9.69E-15	0.030	35	9.4	Q2

IPI00307547	C9orf46	27.2	3.10E-15	0.030	9	17.9	Q2
IPI00026627	RP2	5.1	9.86E-04	0.030	2	11.0	Q2
IPI00291669	UBLCP1	12.6	1.11E-16	0.030	4	6.2	Q2
IPI00604590;l	NME1	71.9	3.14E-195	0.030	36	7.3	Q2
IPI00032140;l	SERPINH1	55.5	<1.0E-304	0.030	25	13.4	Q2
IPI00396967;l	FHL2	33.7	9.64E-121	0.031	8	14.3	Q2
IPI00216951;l	DARS	55.9	1.63E-175	0.031	14	11.1	Q2
IPI00294619;l	TFG	17	1.02E-31	0.031	8	16.2	Q2
IPI00329801;l	ANXA5	81.9	<1.0E-304	0.031	43	9.3	Q2
IPI00021570;l	EDF1	35.1	1.81E-35	0.031	4	1.7	Q2
IPI00007118;l	SERPINE1	14.7	1.61E-27	0.031	6	16.1	Q2
IPI00220362;l	HSPE1	70.6	1.57E-71	0.031	21	10.7	Q2
IPI00020530	ACOT13	15.7	2.43E-26	0.031	4	8.4	Q2
IPI00009032;l	SSB	40.9	1.25E-110	0.031	10	4.3	Q2
IPI00294159;l	SLC25A1	28.9	1.23E-48	0.031	12	7.6	Q2
IPI00019502;l	MYH9	65.7	<1.0E-304	0.031	22	13.9	Q2
IPI00030820;l	MRPL47	21.6	1.15E-24	0.031	4	3.4	Q2
IPI00005578	EHD4	29.4	9.82E-159	0.032	5	4.5	Q2
IPI00031522;l	HADHA	32	<1.0E-304	0.032	14	15.4	Q2
IPI00514587;l	SARS	29.7	3.99E-83	0.032	5	5.5	Q2
IPI00014898;l	PLEC1	68.9	<1.0E-304	0.032	29	11.8	Q2
IPI00180675;l	TUBA1A	66.1	<1.0E-304	0.032	114	13.2	Q2
IPI00007676;l	HSD17B12	41	1.72E-109	0.033	13	8.6	Q2
IPI00783271;l	LRPPRC	48.1	<1.0E-304	0.033	25	10.5	Q2
IPI00910701;l	AARS	38.7	<1.0E-304	0.033	10	10.2	Q2
IPI00007163	LSM7	15.5	1.20E-02	0.033	2	5.9	Q2
IPI00856098;l	RRBP1	38.1	<1.0E-304	0.033	4	37.9	Q2
IPI00020602	CSNK2A2	18.6	3.94E-54	0.033	3	11.8	Q2
IPI00021370;l	UBE2K	50.5	6.38E-91	0.033	10	12.9	Q2
IPI00009253;l	NAPA	43.1	8.73E-137	0.034	6	6.8	Q2
IPI00001699;l	PYCARD	54.4	4.45E-108	0.034	11	9.0	Q2
IPI00061525;l	GNPNAT1	45.7	1.98E-166	0.034	2	5.0	Q2
IPI00020436;l	RAB11B	60.6	4.17E-166	0.034	20	7.5	Q2
IPI00789324;l	JUP	66.8	<1.0E-304	0.034	83	13.4	Q2
IPI00641788;l	SNRPC	11.7	1.51E-33	0.034	2	10.5	Q2

IPI00026824	HMOX2	35.9	7.09E-83	0.034	11	9.1	Q2
IPI00418290	MRPL14	29.7	9.62E-24	0.035	5	4.6	Q2
IPI00032851;l	COPZ1	30.5	2.76E-119	0.035	6	5.1	Q2
IPI00296191;l	ATP6V1H	10.8	2.07E-67	0.035	2	4.6	Q2
IPI00008552	GLRX3	42.4	7.26E-117	0.035	11	7.4	Q2
IPI00009958;l	COPS5	33.2	2.97E-43	0.035	6	5.7	Q2
IPI00646917;l	NUDT21	34.4	6.91E-156	0.035	12	10.5	Q2
IPI00216026;l	VDAC2	52.4	2.32E-215	0.035	22	9.7	Q2
IPI00030320	DDX6	24.4	8.39E-89	0.035	5	16.8	Q2
IPI00017160;l	VTA1	25.7	2.01E-14	0.035	6	10.1	Q2
IPI00219077;l	LTA4H	44.7	<1.0E-304	0.035	13	8.4	Q2
IPI00783982;l	COPG	37.8	<1.0E-304	0.035	18	11.0	Q2
IPI00010136;l	CTBP2	7.9	4.32E-30	0.036	3	6.2	Q2
IPI00479743;l	POTEE	2.4	4.67E-246	0.036	3	6.3	Q2
IPI00550451;l	PPP1CA	49.1	2.37E-290	0.036	15	14.0	Q2
IPI00006482;l	ATP1A1	34.3	<1.0E-304	0.036	10	20.5	Q2
IPI00894409;l	CPNE1	12	1.15E-06	0.036	4	21.7	Q2
IPI00026952	PKP3	42.9	<1.0E-304	0.036	10	8.9	Q2
IPI00294158;l	BLVRA	40.5	2.17E-80	0.036	11	12.8	Q2
IPI00028004;l	PSMB3	49.8	2.25E-210	0.038	5	11.9	Q2
IPI00002460;l	ANXA7	21.3	2.33E-81	0.038	8	13.0	Q2
IPI00015018;l	PPA1	80.6	<1.0E-304	0.038	24	12.2	Q2
IPI00168388;l	SRP68	17.9	1.26E-63	0.038	5	10.9	Q2
IPI00297779;l	CCT2	67.5	<1.0E-304	0.038	19	9.7	Q2
IPI00456664;l	NIT1	26.4	1.44E-43	0.038	6	15.0	Q2
IPI00060715;l	KCTD12	31.1	3.17E-84	0.038	11	85.1	Q2
IPI00299554	KIF14	1.1	9.92E-08	0.039	2	5.4	Q2
IPI00009634;l	SQRDL	48.9	4.28E-179	0.039	17	6.7	Q2
IPI00873410;l	CNN3	28.5	6.81E-84	0.039	8	8.8	Q2
IPI00220642;l	YWHAG	51	9.32E-174	0.039	19	16.3	Q2
IPI00009904;l	PDIA4	47.6	<1.0E-304	0.039	21	17.0	Q2
IPI00550746;l	NUDC	47.4	3.79E-127	0.039	9	5.4	Q2
IPI00219097	HMGB2	12.4	1.38E-30	0.040	3	8.3	Q2
IPI00291467;l	SLC25A6	20.5	1.26E-128	0.040	14	10.5	Q2
IPI00871988;l	SFXN3	41.3	1.29E-182	0.040	5	8.0	Q2

IPI00419237;l	LAP3	41	1.77E-179	0.040	8	10.5	Q2
IPI00001734;l	PSAT1	27.5	1.05E-46	0.040	9	9.6	Q2
IPI00549725;l	PGAM1	67.7	1.77E-284	0.041	30	20.2	Q2
IPI00219622;l	PSMA2	54.3	7.85E-228	0.041	10	17.8	Q2
IPI00376005;l	EIF5A	60.9	4.05E-198	0.041	31	7.8	Q2
IPI00022597	UBE2M	42.1	6.87E-79	0.041	8	5.0	Q2
IPI00303722;l	FAM136A	23.2	3.46E-09	0.041	4	4.8	Q2
IPI00027434;l	RHOC	23.3	5.12E-220	0.041	3	8.9	Q2
IPI00017367;l	RDX	22	1.91E-162	0.041	5	8.8	Q2
IPI00470674;l	CYB5R1	42	2.35E-96	0.041	11	10.5	Q2
IPI00008524;l	PABPC1	37.3	<1.0E-304	0.041	23	12.9	Q2
IPI00759776;l	ACTN1	51.1	<1.0E-304	0.041	54	8.5	Q2
IPI00027350;l	PRDX2	35.4	1.39E-144	0.041	11	7.7	Q2
IPI00419258;l	HMGB1	51.2	1.80E-168	0.041	14	9.4	Q2
IPI00002966;l	HSPA4	55.8	<1.0E-304	0.041	22	11.2	Q2
IPI00002149;l	SAR1B	23.2	5.38E-38	0.042	3	8.3	Q2
IPI00329373	QIL1	10.2	2.14E-01	0.042	4	13.8	Q2
IPI00218782;l	CAPZB	46.3	6.55E-208	0.042	29	9.2	Q2
IPI00908469	TUBB6	33	<1.0E-304	0.042	10	3.2	Q2
IPI00384051;l	PSME2	54.2	5.24E-104	0.042	13	97.6	Q2
IPI00639812;l	MGST3	16.9	1.34E-65	0.043	3	17.1	Q2
IPI00023001;l	FAM162A	24.7	4.95E-69	0.043	4	16.7	Q2
IPI00017510	MT	35.2	1.19E-101	0.043	8	10.9	Q2
IPI00019329	DYNLL1	57.3	3.47E-72	0.043	9	12.3	Q2
IPI00643591;l	AP1G1	16.6	2.08E-70	0.043	6	31.5	Q2
IPI00218733;l	SOD1	59.1	9.66E-100	0.043	9	16.3	Q2
IPI00018768;l	TSN	29.8	3.72E-76	0.043	4	9.3	Q2
IPI00029764;l	SF3A3	17.6	5.12E-31	0.043	3	10.0	Q2
IPI00796333;l	ALDOA	66.5	<1.0E-304	0.043	51	18.7	Q2
IPI00790739;l	ACO2	35	3.42E-250	0.043	11	12.5	Q2
IPI00000581;l	OTUB1	47.4	1.17E-194	0.043	15	7.3	Q2
IPI00816419	C1orf151	48.7	7.16E-07	0.043	3	5.0	Q2
IPI00887678;l	PPIA	52.9	<1.0E-304	0.043	68	14.3	Q2
IPI00183500;l	NCBP2	16.7	1.26E-05	0.044	3	16.7	Q2
IPI00221222;l	SUB1	42.5	3.56E-37	0.044	21	10.0	Q2

IPI00399053;l	C3orf60	27.2	5.85E-09	0.044	4	1.3	Q2
IPI00220031;l	PXN	15	9.87E-108	0.044	9	13.0	Q2
IPI00916111;l	MDH1	44.9	3.22E-234	0.044	17	8.5	Q2
IPI00029558;l	NDUFC2	12.6	2.47E-02	0.044	2	1.5	Q2
IPI00008234;l	CYB5R2	23.9	4.03E-09	0.045	4	11.7	Q2
IPI00006052	PFDN2	41.6	2.37E-69	0.045	12	5.1	Q2
IPI00872762;l	SUCLG1	22	5.27E-63	0.045	4	12.3	Q2
IPI00879750;l	SNRPD3	26.9	4.01E-17	0.045	10	8.9	Q2
IPI00794659;l	RPS20	24.6	2.19E-45	0.045	13	10.7	Q2
IPI00922240	ACTB	9.8	<1.0E-304	0.045	12	13.6	Q2
IPI00023640;l	PDCD5	67.2	1.61E-62	0.045	21	10.0	Q2
IPI00306604	ITGA5	10.5	5.89E-126	0.046	2	10.9	Q2
IPI00018871;l	ARL8B	26.9	1.11E-61	0.046	14	16.9	Q2
IPI00872533;l	CD2AP	8.5	1.73E-14	0.046	2	0.5	Q2
IPI00304082;l	ISOC1	29.2	1.82E-111	0.046	3	26.5	Q2
IPI00925251;l	SNRPG	22.1	1.92E-13	0.046	6	5.0	Q2
IPI00719079;l	PDDC1	7.2	7.11E-08	0.046	2	2.5	Q2
IPI00220503;l	DCTN2	44.8	<1.0E-304	0.046	7	6.2	Q2
IPI00013219;l	ILK	19.5	1.13E-22	0.046	2	3.7	Q2
IPI00293533	NUP62	2.7	3.59E-20	0.047	2	9.0	Q2
IPI00216318;l	YWHAB	34.1	2.88E-209	0.047	12	11.4	Q2
IPI00003269	ACTBL2	8.5	1.84E-100	0.047	12	14.5	Q2
IPI00295386;l	CBR1	71.8	<1.0E-304	0.047	21	5.8	Q2
IPI00025974;l	CHMP4B	32.6	9.90E-54	0.047	5	3.6	Q2
IPI00293817;l	NAPG	19.2	4.04E-19	0.048	3	5.9	Q2
IPI00456887;l	HNRNPUL2	31.3	2.30E-221	0.048	7	8.8	Q2
IPI00301518;l	MOBKL1B	29.2	4.62E-29	0.048	6	14.8	Q2
IPI00023510;l	RAB5A	24.2	1.45E-89	0.048	4	13.2	Q2
IPI00018931	VPS35	29.9	9.49E-261	0.048	10	25.3	Q2
IPI00784090;l	CCT8	65.1	<1.0E-304	0.048	33	19.6	Q2
IPI00798102;l	VPS29	23.5	6.06E-47	0.048	12	11.6	Q2
IPI00019997;l	LIN7C	31	1.49E-20	0.048	7	14.8	Q2
IPI00401264	ERP44	30	1.25E-62	0.048	11	11.7	Q2
IPI00915363;l	RPS24	18.3	1.94E-65	0.048	11	11.9	Q2
IPI00019912;l	HSD17B4	20.1	1.15E-109	0.048	7	10.6	Q2

IPI00296190;l	C10orf58	27.5	3.39E-68	0.049	2	10.2	Q2
IPI00335001;l	HYPK	20.6	2.56E-06	0.049	2	24.3	Q2
IPI00018235	PEF1	6.7	4.75E-11	0.049	2	1.8	Q2
IPI00386616	C1orf212	39.1	6.62E-05	0.049	3	14.2	Q2
IPI00033600;l	PPP1R7	25.6	2.06E-109	0.049	4	12.0	Q2
IPI00399089;l	MESDC2	26.5	2.30E-19	0.049	8	10.7	Q2
IPI00871856;l	STIP1	54.7	2.90E-233	0.049	18	12.1	Q2
IPI00220301;l	PRDX6	63.8	3.41E-297	0.049	28	8.8	Q2
IPI00014232;l	ARL6IP1	6.9	4.40E-02	0.050	3	3.9	Q2
IPI00032003;l	EMD	46.1	7.35E-268	0.050	9	5.6	Q2
IPI00219861;l	ACP1	38.6	3.71E-91	0.050	6	9.4	Q2
IPI00003565;l	PSMD10	16.4	6.48E-13	0.050	5	6.7	Q2
IPI00293564;l	HMGCL	27.4	4.42E-108	0.050	5	8.9	Q2
IPI00014053;l	TOMM40	16.1	3.19E-30	0.050	5	6.9	Q2
IPI00023542;l	TMED9	20	2.50E-86	0.050	10	11.4	Q2
IPI00025019;l	PSMB1	53.1	3.67E-175	0.050	13	8.9	Q2
IPI00304925;l	HSPA1A	44.1	<1.0E-304	0.051	23	13.3	Q2
IPI00332499;l	NASP	23.2	1.92E-183	0.051	3	4.7	Q2
IPI00008529;l	RPLP2	92.2	<1.0E-304	0.051	18	17.7	Q2
IPI00911039	HSPA1A	1.5	<1.0E-304	0.051	2	9.2	Q2
IPI00658109;l	CKMT1A	50.8	1.95E-261	0.051	13	6.3	Q2
IPI00032849;l	NOP16	28.7	2.08E-21	0.051	2	13.5	Q2
IPI00098902;l	OGDH	25.1	8.02E-210	0.051	5	8.4	Q2
IPI00783313;l	PYGL	40.9	<1.0E-304	0.052	17	13.3	Q2
IPI00182728;l	VPS4B	18	4.78E-37	0.052	5	3.4	Q2
IPI00023006;l	ACTC1	4.2	5.11E-170	0.052	12	15.9	Q2
IPI00001655;l	C16orf80	16.6	1.69E-37	0.052	3	3.3	Q2
IPI00025318;l	SH3BGRL	55.3	9.96E-93	0.053	12	18.4	Q2
IPI00160421	MRPL18	22.2	1.09E-29	0.053	3	4.5	Q2
IPI00414320;l	ANXA11	27.4	2.10E-165	0.053	12	9.4	Q2
IPI00021785	COX5B	18.6	4.35E-18	0.053	4	19.2	Q2
IPI00645078;l	UBA1	43.3	<1.0E-304	0.054	28	9.6	Q2
IPI00303753	C1orf163	7.4	1.02E-03	0.054	2	5.4	Q2
IPI00418262;l	ALDOC	14.4	1.02E-276	0.054	3	3.2	Q2
IPI00008274;l	CAP1	61.9	<1.0E-304	0.054	53	12.5	Q2

IPI00034049;l	UPF1	41.5	2.88E-235	0.055	4	11.8	Q2
IPI00216654;l	NOLC1	11.1	2.64E-28	0.055	4	32.6	Q2
IPI00219518;l	ARL1	34.3	3.35E-29	0.055	4	10.9	Q2
IPI00027422;l	ITGB4	29.4	<1.0E-304	0.055	4	42.9	Q2
IPI00100796	CHMP5	28.3	9.16E-131	0.055	5	13.1	Q2
IPI00220766	GLO1	61.4	7.74E-107	0.055	12	12.8	Q2
IPI00218693;l	APRT	62.8	1.04E-55	0.055	16	17.9	Q2
IPI00216247;l	PSMD4	16.6	2.00E-87	0.055	3	15.2	Q2
IPI00005087;l	TMOD3	44.3	1.38E-300	0.055	8	9.5	Q2
IPI00007797;l	FABP5	60.7	2.76E-88	0.055	29	12.3	Q2
IPI00925052;l	ARPC4	31.6	3.52E-30	0.056	20	13.8	Q2
IPI00025084;l	CAPNS1	51.9	3.51E-204	0.056	24	8.7	Q2
IPI00304596;l	NONO	37.2	8.87E-256	0.056	11	15.4	Q2
IPI00382452;l	CHMP1A	26.5	2.67E-09	0.056	8	23.0	Q2
IPI00291928;l	RAB14	64.2	1.46E-156	0.056	12	11.2	Q2
IPI00016513	RAB10	50	6.51E-111	0.056	9	4.7	Q2
IPI00794402;l	ARHGDI A	37.3	2.31E-243	0.057	13	6.5	Q2
IPI00009480;l	COPS8	34.9	7.18E-82	0.057	3	8.3	Q2
IPI00289758;l	CAPN2	35.3	4.69E-300	0.057	16	8.3	Q2
IPI00477495	H2BFS	75.4	3.13E-73	0.057	43	18.0	Q2
IPI00027240;l	GNG5	47.1	3.25E-11	0.058	5	6.9	Q2
IPI00909772;l	AP2M1	19.8	8.80E-32	0.058	3	4.3	Q2
IPI00376478	CMC1	9.4	6.05E-03	0.058	2	2.3	Q2
IPI00872773;l	ERO1L	40	1.63E-212	0.058	11	17.3	Q2
IPI00022477	BCL10	15	4.26E-15	0.058	4	4.7	Q2
IPI00020956;l	HDGF	45	2.30E-90	0.058	12	10.4	Q2
IPI00007426;l	ARL6IP5	24.5	4.59E-12	0.059	4	12.0	Q2
IPI00914048;l	C11orf68	11.6	7.37E-07	0.059	2	6.0	Q2
IPI00470502;l	PPA2	30.1	6.92E-89	0.059	5	8.7	Q2
IPI00015972;l	COX6C	42.7	3.22E-06	0.059	10	18.8	Q2
IPI00795627;l	MRPL3	10.7	1.77E-08	0.059	5	11.1	Q2
IPI00005692	MRPS12	12.3	2.58E-03	0.059	2	2.2	Q2
IPI00784614;l	Ov/Br septin	33.4	5.81E-240	0.060	8	14.3	Q2
IPI00399265;l	TPD52L2	52.8	<1.0E-304	0.060	17	7.6	Q2
IPI00218319;l	TPM3	72.6	3.78E-271	0.060	52	13.5	Q2

IPI00220709;C	TPM2	26.1	1.05E-121	0.060	7	10.7	Q2
IPI00796366;I	MYL6	45	1.30E-182	0.061	48	14.0	Q2
IPI00654820;I	MT	6.8	3.38E-04	0.061	2	0.5	Q2
IPI00305978;I	AKR7A2	18.4	3.51E-158	0.061	5	9.4	Q2
IPI00021129;I	AP3B1	26.1	2.40E-128	0.061	3	7.1	Q2
IPI00239077;I	HINT1	23.8	5.03E-28	0.061	7	9.4	Q2
IPI00021263;I	YWHAZ	62.9	<1.0E-304	0.061	59	12.4	Q2
IPI00029744;I	SSBP1	43.2	1.32E-122	0.061	14	5.2	Q2
IPI00298406;I	HADH	20	3.57E-43	0.062	8	3.2	Q2
IPI00001960;I	CLIC4	58.5	1.24E-157	0.062	13	9.8	Q2
IPI00329512;I	SNRPB	20.8	4.38E-91	0.062	18	14.5	Q2
IPI00003327	ARL3	47.3	5.50E-112	0.062	6	6.7	Q2
IPI00374364;I	C7orf59	8.4	2.71E-08	0.062	6	21.1	Q2
IPI00028946;I	RTN3	15.3	3.43E-18	0.062	2	7.0	Q2
IPI00013004;I	PDXK	22.1	2.13E-88	0.062	7	7.9	Q2
IPI00927658;I	RPL32	47.7	2.94E-74	0.062	14	50.9	Q2
IPI00103252;I	RWDD4A	15.4	5.22E-09	0.063	2	14.0	Q2
IPI00002926;I	VPS37B	34.7	1.46E-150	0.063	4	10.4	Q2
IPI00027014;I	DCTN3	36	1.15E-17	0.063	8	7.1	Q2
IPI00026182;I	CAPZA2	31.5	1.31E-73	0.063	7	13.0	Q2
IPI00890743;I	PPP6C	25.1	2.49E-90	0.064	4	12.4	Q2
IPI00003348;I	GNB2	27.9	1.63E-164	0.064	15	10.7	Q2
IPI00005657;I	PFDN6	53.5	1.77E-44	0.064	10	12.8	Q2
IPI00009790;I	PFKP	38.4	<1.0E-304	0.064	16	6.4	Q2
IPI00019869;I	S100A2	54.1	9.02E-141	0.065	32	14.3	Q2
IPI00022442	NDUFAB1	15.4	1.97E-06	0.065	6	4.8	Q2
IPI00011284;I	COMT	28.4	2.13E-162	0.065	7	11.0	Q2
IPI00216691;C	PFN1	90	9.26E-275	0.065	55	8.3	Q2
IPI00743335;I	MYO1C	37.1	<1.0E-304	0.065	14	10.3	Q2
IPI00397947;I	UBE2V1	22.7	1.12E-34	0.065	20	7.2	Q2
IPI00219219;I	LGALS1	71.9	1.10E-255	0.066	43	8.0	Q2
IPI00027981	RAB38	21.2	8.73E-36	0.066	3	14.0	Q2
IPI00008418;I	DIABLO	16.5	4.62E-27	0.066	4	8.3	Q2
IPI00002459;I	ANXA6	50.5	7.25E-281	0.066	18	28.4	Q2
IPI00465028;I	TPI1	71.7	<1.0E-304	0.066	38	11.1	Q2

IPI00293126;l	TBCB	47.5	2.64E-103	0.067	13	10.0	Q2
IPI00376344;l	MYO1B	39.3	<1.0E-304	0.067	19	8.0	Q2
IPI00794543;l	CALM1	59.9	1.26E-255	0.067	23	11.2	Q2
IPI00019903;l	CCDC44	13.8	2.78E-28	0.067	3	13.3	Q2
IPI00003386	RBX1	24.1	8.15E-49	0.067	4	7.9	Q2
IPI00219452;l	ACOT7	43.5	3.05E-204	0.067	16	7.5	Q2
IPI00007321;l	LYPLA1	17.5	3.42E-49	0.067	3	3.2	Q2
IPI00465132;l	COPE	58.8	<1.0E-304	0.067	9	7.2	Q2
IPI00418603	UBE2R2	12.2	3.58E-12	0.067	3	10.8	Q2
IPI00023673;l	LGALS3BP	12.8	1.15E-39	0.067	3	6.8	Q2
IPI00843975;l	EZR	40.8	1.03E-291	0.068	25	10.8	Q2
IPI00010779;l	TPM4	46.4	1.51E-235	0.068	30	16.8	Q2
IPI00453473	HIST1H4A	53.4	2.75E-80	0.068	72	29.5	Q2
IPI00413778;l	FKBP1A	31	9.52E-66	0.068	9	13.7	Q2
IPI00654744;l	SYNGR2	13.8	1.66E-11	0.068	4	9.3	Q2
IPI00000684;l	UAP1	24.5	2.57E-104	0.068	8	7.2	Q2
IPI00719040;l	C1orf77	11.6	4.32E-07	0.068	2	1.1	Q2
IPI00296526;l	NAGK	40.3	4.02E-187	0.069	11	13.2	Q2
IPI00329629;l	DNAJC7	10.3	2.65E-15	0.069	2	3.4	Q2
IPI00018236	GM2A	22.8	7.63E-07	0.069	6	11.0	Q2
IPI00914529;l	RPL28	32.5	2.68E-27	0.069	26	11.6	Q2
IPI00307162;l	VCL	59.7	<1.0E-304	0.070	31	40.0	Q2
IPI00291946;l	USP10	14.8	6.64E-87	0.070	3	27.4	Q2
IPI00299904;l	MCM7	20.3	1.32E-86	0.070	2	27.9	Q2
IPI00169383;l	PGK1	76.3	<1.0E-304	0.070	49	12.9	Q2
IPI00871174;l	MYCBP	29.4	3.56E-14	0.071	6	12.6	Q2
IPI00003949;l	UBE2N	57.9	1.49E-111	0.071	16	20.3	Q2
IPI00012837;l	KIF5B	43	<1.0E-304	0.071	9	25.6	Q2
IPI00023598;l	TUBB4	9.7	<1.0E-304	0.071	9	21.6	Q2
IPI00007752;l	TUBB2C	19.3	<1.0E-304	0.071	25	12.7	Q2
IPI00479877;l	ALDH9A1	23.6	6.05E-121	0.071	5	14.4	Q2
IPI00007166	IER3IP1	9.8	1.68E-02	0.071	4	6.5	Q2
IPI00246058;l	PDCD6IP	42.2	<1.0E-304	0.071	20	10.1	Q2
IPI00396563;l	UBXN1	17.6	1.34E-13	0.072	3	11.6	Q2
IPI00334159	VBP1	33.5	2.12E-59	0.072	8	8.3	Q2

IPI00005969;l	CAPZA1	66.4	3.69E-200	0.072	16	9.6	Q2
IPI00171611;l	HIST2H3A	57.4	2.41E-31	0.072	40	10.3	Q2
IPI00026570;l	COX7A2	20	8.32E-33	0.072	2	8.2	Q2
IPI00015954;l	SAR1A	43.9	1.48E-56	0.072	7	12.7	Q2
IPI00013808;l	ACTN4	74	<1.0E-304	0.072	86	10.8	Q2
IPI00022744;l	CSE1L	39.2	<1.0E-304	0.072	27	21.3	Q2
IPI00013890;l	SFN	67.7	2.31E-284	0.072	73	15.4	Q2
IPI00026964;l	UQCRFS1	24.5	5.58E-30	0.073	8	11.0	Q2
IPI00219005	FKBP4	66.2	<1.0E-304	0.073	11	25.9	Q2
IPI00009867;l	KRT5	46.8	<1.0E-304	0.073	210	20.6	Q2
IPI00218187;l	PPP1CC	7.1	1.25E-300	0.073	3	2.7	Q2
IPI00332395;l	CPNE9	1.6	6.43E-04	0.074	4	4.5	Q2
IPI00007750;l	TUBA4A	15	<1.0E-304	0.074	9	4.9	Q2
IPI00333541;l	FLNA	58.3	<1.0E-304	0.074	27	13.2	Q2
IPI00218728;l	PAFAH1B1	20.2	6.13E-78	0.074	2	8.2	Q2
IPI00298547	PARK7	75.7	1.20E-210	0.074	25	8.2	Q2
IPI00031397;l	ACSL3	20.4	1.76E-214	0.074	2	5.7	Q2
IPI00783736;l	PTMS	16.4	1.84E-12	0.074	2	2.6	Q2
IPI00018146;l	YWHAQ	48.2	<1.0E-304	0.074	21	7.0	Q2
IPI00218343;l	TUBA1C	12.2	<1.0E-304	0.075	8	17.6	Q2
IPI00000816;l	YWHAE	75.7	<1.0E-304	0.075	70	23.3	Q2
IPI00018783;l	ITPA	32.5	9.41E-56	0.075	3	0.5	Q2
IPI00642374;l	UCHL5	17.1	2.22E-21	0.075	4	6.9	Q2
IPI00647885;l	GSTM1	28.7	2.39E-49	0.075	5	9.3	Q2
IPI00009771;l	LMNB2	36.3	4.14E-199	0.075	11	12.0	Q2
IPI00026087;l	BANF1	42.7	1.96E-29	0.075	6	9.3	Q2
IPI00024364;l	TNPO1	22.4	9.56E-177	0.075	8	10.1	Q2
IPI00396329;l	BXDC1	19.3	1.06E-15	0.076	3	6.2	Q2
IPI00172591	MRPL17	34.3	1.11E-10	0.076	8	10.3	Q2
IPI00877662;l	RAB13	12.5	2.79E-56	0.076	3	5.0	Q2
IPI00219365;l	MSN	62	<1.0E-304	0.076	44	9.6	Q2
IPI00152998	LRRC40	16.6	1.90E-35	0.076	2	3.2	Q2
IPI00017596;l	MAPRE1	39.2	7.51E-181	0.076	13	7.0	Q2
IPI00216134;l	TPM1	28.2	3.03E-70	0.076	8	93.2	Q2
IPI00021327;l	GRB2	48.4	1.33E-44	0.077	8	9.2	Q2

IPI00450472;l	UBE2I	33.7	6.77E-126	0.077	9	8.3	Q2
IPI00874200;l	MRPS33	31.2	1.37E-06	0.077	4	17.4	Q2
IPI00005160;l	ARPC1B	43.3	1.02E-103	0.077	12	12.7	Q2
IPI00105620;l	RRAGA	16.3	3.44E-26	0.078	4	3.9	Q2
IPI00016342;l	RAB7A	85	7.10E-230	0.078	29	12.6	Q2
IPI00010207;l	UFM1	35.3	5.65E-04	0.078	4	7.3	Q2
IPI00297982;l	EIF2S3	42.2	3.18E-168	0.078	9	12.0	Q2
IPI00465256;l	AK3	21.1	3.38E-74	0.079	5	14.5	Q2
IPI00290198	IL18	31.6	3.70E-60	0.079	7	8.2	Q2
IPI00028412	SSSCA1	15.1	1.31E-04	0.079	2	16.6	Q2
IPI00815770;l	SNX3	46.3	1.82E-27	0.079	14	6.0	Q2
IPI00005585	TAX1BP3	35.5	1.44E-72	0.079	12	7.8	Q2
IPI00449049;l	PARP1	23.4	2.46E-156	0.080	6	7.7	Q2
IPI00645446;l	MCTS1	46.7	2.46E-157	0.080	7	7.8	Q2
IPI00746004;l	RPS27L	13.1	7.06E-16	0.080	3	9.4	Q2
IPI00005537;l	MRPL12	39.9	1.44E-52	0.080	10	17.4	Q2
IPI00927606;l	GPX1	73.9	5.74E-175	0.080	14	9.2	Q2
IPI00479722;l	PSME1	49	4.98E-264	0.080	22	8.1	Q2
IPI00019899;l	SC4MOL	11.3	5.52E-44	0.080	2	3.7	Q2
IPI00029447;l	GOSR1	12	1.12E-18	0.080	5	23.2	Q2
IPI00006552;l	CNOT7	11.9	4.59E-17	0.081	2	4.8	Q2
IPI00221232;l	GNG12	76.4	1.36E-51	0.081	9	8.1	Q2
IPI00000005	NRAS	39.2	2.94E-54	0.081	3	3.9	Q2
IPI00020319;l	BLOC1S1	19.6	4.83E-17	0.081	2	15.8	Q2
IPI00398272;l	COL17A1	10	5.44E-61	0.081	14	14.4	Q2
IPI00026546;l	PAFAH1B2	27.1	3.38E-188	0.082	6	6.8	Q2
IPI00007675;l	DYNC1LI1	11.3	7.38E-59	0.082	4	17.6	Q2
IPI00444937;l	TRAPPC2L	13.6	1.07E-06	0.082	3	9.0	Q2
IPI00219217;l	LDHB	54.8	<1.0E-304	0.082	62	13.6	Q2
IPI00010706;l	GSS	24.5	1.23E-47	0.082	2	13.3	Q2
IPI00257882;l	PEPD	9.1	1.04E-40	0.082	2	6.8	Q2
IPI00002535	FKBP2	19	7.78E-30	0.082	3	23.0	Q2
IPI00479997;l	STMN1	63.1	1.33E-53	0.082	14	12.1	Q2
IPI00513853;l	STX12	16.7	9.32E-54	0.083	3	8.2	Q2
IPI00448798;l	CSNK1A1	37.5	3.77E-108	0.083	12	6.6	Q2

IPI00016670	C11orf59	46	1.08E-97	0.083	4	7.2	Q2
IPI00647915;l	TAGLN2	71.8	4.77E-269	0.083	53	11.2	Q2
IPI00016801;l	GLUD1	46.2	2.31E-274	0.083	8	15.7	Q2
IPI00644674;l	NUBP2	23.6	6.33E-22	0.083	3	5.4	Q2
IPI00215901;l	AK2	63.2	4.62E-137	0.084	16	11.6	Q2
IPI00418169;l	DKFZp686P03159	74.2	<1.0E-304	0.084	219	14.0	Q2
IPI00010214	S100A14	61.5	1.23E-85	0.084	13	4.6	Q2
IPI00029997;l	PGLS	59.7	8.72E-195	0.085	12	14.9	Q2
IPI00644697;l	HEBP2	35	1.01E-110	0.085	9	15.5	Q2
IPI00219034	NDUFA8	51.2	6.38E-63	0.085	4	4.2	Q2
IPI00413451;l	DKFZp686I04222	37.4	2.37E-109	0.085	8	9.7	Q2
IPI00034319;l	CUTA	14.1	1.75E-14	0.086	3	14.2	Q2
IPI00217467	HIST1H1E	15.5	6.90E-76	0.086	2	10.1	Q2
IPI00294911	SDHB	33.2	7.05E-47	0.086	5	11.7	Q2
IPI00027096;l	MRPL19	21.6	9.39E-21	0.087	4	12.5	Q2
IPI00021405;l	LMNA	65.4	<1.0E-304	0.087	65	10.7	Q2
IPI00017763;l	NAP1L4	33.7	1.11E-255	0.087	5	5.8	Q2
IPI00031564;l	GGCT	43.1	3.05E-79	0.087	6	8.6	Q2
IPI00022810;l	CTSC	26.6	2.11E-272	0.087	8	4.5	Q2
IPI00793199;l	ANXA4	61.1	4.33E-267	0.087	26	8.0	Q2
IPI00294501	DHCR7	16.6	7.47E-49	0.087	5	7.3	Q2
IPI00428967;l	TIRAP3	8.4	1.84E-15	0.087	3	3.2	Q2
IPI00013466;l	ASNA1	19.8	1.99E-68	0.088	7	22.2	Q2
IPI00007346;l	PPIH	34.5	4.34E-31	0.088	9	18.3	Q2
IPI00024013;l	UBE2D3	12.2	7.61E-10	0.088	5	10.7	Q2
IPI00296259;l	TMED4	8.8	9.37E-72	0.088	2	14.7	Q2
IPI00009247;l	MP68	25.3	7.19E-02	0.088	4	10.9	Q2
IPI00900293	FLNB	62.1	<1.0E-304	0.088	49	12.1	Q2
IPI00007084	SLC25A13	21	5.83E-192	0.088	3	4.4	Q2
IPI00644231;l	CYFIP1	26	8.54E-223	0.088	3	3.2	Q2
IPI00218918;l	ANXA1	78.6	<1.0E-304	0.088	100	12.9	Q2
IPI00329591;l	RMND1	5.8	1.80E-06	0.089	2	7.9	Q2
IPI00030770;l	PSMG1	26.4	7.33E-32	0.090	2	7.0	Q2
IPI00002324;l	MAT2B	19.5	3.09E-51	0.090	5	7.4	Q2
IPI00290279;l	ADK	29.8	1.41E-95	0.090	11	6.6	Q2

IPI00643567	CAP1	9.2	<1.0E-304	0.091	4	3.7	Q2
IPI00014376;l	RAB31	23.1	4.58E-25	0.091	4	36.6	Q2
IPI00004324;l	TRAPPC3	36.1	1.75E-38	0.091	8	10.9	Q2
IPI00172594;l	MRPL28	8.2	1.93E-04	0.091	2	5.2	Q2
IPI00030706	AHSA1	40.8	1.44E-113	0.092	4	9.3	Q2
IPI00604523;l	MYL12B	49.7	5.34E-126	0.092	26	7.0	Q2
IPI00024095;l	ANXA3	72.8	1.30E-281	0.092	33	11.8	Q2
IPI00871890;l	PICALM	14.8	4.56E-154	0.092	2	3.5	Q2
IPI00855767;l	RAP1GDS1	15.1	6.29E-155	0.092	5	13.4	Q2
IPI00218268;l	OPRS1	12.1	4.37E-04	0.093	3	0.4	Q2
IPI00020124;l	PI4K2A	16.5	1.41E-24	0.093	6	12.9	Q2
IPI00031461;l	GDI2	70.8	<1.0E-304	0.093	30	20.7	Q2
IPI00260715;l	FUS	13.3	2.24E-62	0.093	6	9.6	Q2
IPI00473047;l	PRKAG1	22.9	3.50E-101	0.094	5	15.5	Q2
IPI00216457;l	HIST2H2AA3	62.3	1.91E-91	0.094	30	14.4	Q2
IPI00017592	LETM1	16.1	4.40E-88	0.094	6	9.6	Q2
IPI00018813;l	COPS2	29.1	1.86E-77	0.095	5	3.2	Q2
IPI00550682;l	GRHPR	34.6	6.37E-163	0.095	6	8.2	Q2
IPI00019755;l	GSTO1	49.8	1.21E-60	0.095	19	9.1	Q2
IPI00029601;l	CTTN	27.8	2.01E-212	0.095	10	11.4	Q2
IPI00550037	MRPS15	6.2	1.40E-01	0.095	2	1.6	Q2
IPI00010810;l	ETFA	48.3	2.23E-253	0.096	12	10.8	Q2
IPI00219229;F	LSM3	25.5	3.47E-06	0.096	8	13.5	Q2
IPI00257508;l	DPYSL2	26.6	6.22E-173	0.096	7	17.8	Q2
IPI00033022;l	DNM2	20.2	9.65E-74	0.096	6	11.5	Q2
IPI00032826;l	ST13	24.9	9.13E-90	0.096	9	4.9	Q2
IPI00872352;l	HDDC2	11.8	1.03E-12	0.096	2	9.6	Q2
IPI00004406;l	UPP1	41.3	2.96E-112	0.096	15	8.4	Q2
IPI00056357	C19orf10	37	6.53E-49	0.097	11	17.1	Q2
IPI00025086	COX5A	21.3	2.55E-47	0.097	3	5.4	Q2
IPI00017292;l	CTNNB1	21.9	1.32E-179	0.097	4	8.7	Q2
IPI00395605;l	ARHGEF1	11.5	8.53E-84	0.097	2	21.6	Q2
IPI00304435;l	NIPSNAP1	18.7	1.18E-13	0.097	4	6.4	Q2
IPI00015911;l	DLD	24.2	1.43E-285	0.097	8	15.4	Q2
IPI00015947;l	DNAJB1	42.9	5.81E-93	0.098	8	14.7	Q2

IPI00182540;l	CTNND1	29.5	2.70E-299	0.098	8	18.9	Q2
IPI00012202;l	WDR77	10.5	1.77E-48	0.098	2	4.8	Q2
IPI00000792;l	CRYZ	42.6	9.84E-41	0.098	10	14.2	Q2
IPI00219757;l	GSTP1	67.1	<1.0E-304	0.098	29	14.5	Q2
IPI00747810;l	FSCN1	55.2	<1.0E-304	0.098	53	13.2	Q2
IPI00872214;l	TBCA	49.3	2.40E-65	0.098	16	9.4	Q2
IPI00410162;l	TCEB2	43.5	1.42E-56	0.099	24	10.8	Q2
IPI00465315;l	CYCS	39	2.49E-47	0.099	17	14.4	Q2
IPI00550069	RNH1	56.6	<1.0E-304	0.099	17	13.9	Q2
IPI00215948;l	CTNNA1	51	<1.0E-304	0.099	24	13.0	Q2
IPI00005264;l	PKP2	21.2	3.45E-138	0.100	2	8.2	Q2
IPI00023086;l	MRPL15	23	1.55E-83	0.100	2	0.6	Q2
IPI00012585	HEXB	29.5	1.27E-75	0.100	19	10.6	Q2
IPI00178431;l	RECQL	19.3	6.23E-50	0.100	3	19.0	Q2
IPI00024129;l	PPIC	16	1.61E-28	0.100	4	7.4	Q2
IPI00414554	ARPC5L	34.6	2.85E-45	0.101	8	14.9	Q2
IPI00166865	CISD2	47.4	8.33E-49	0.101	9	10.4	Q2
IPI00903226;l	HK1	40.1	<1.0E-304	0.102	17	16.6	Q2
IPI00332157	MRPL54	7.2	4.76E-04	0.102	2	5.8	Q2
IPI00017342	RHOG	45	5.19E-155	0.102	8	10.4	Q2
IPI00745568;l	TIPRL	23.9	6.16E-28	0.102	3	22.4	Q2
IPI00304267;l	NXN	17.5	2.35E-151	0.102	5	7.8	Q2
IPI00874144;l	MRPS6	29.6	1.13E-17	0.103	11	11.7	Q2
IPI00328415;l	CYB5R3	45.5	6.12E-226	0.103	12	9.7	Q2
IPI00010270;l	RAC2	22.9	1.84E-136	0.104	9	11.7	Q2
IPI00031023;l	FLII	24.5	3.71E-238	0.104	3	14.7	Q2
IPI00217477;l	HMGB3	37	9.91E-52	0.104	9	13.4	Q2
IPI00914566;l	FDPS	20.3	1.83E-83	0.104	9	15.7	Q2
IPI00396378;l	HNRNPA2B1	2.5	1.29E-302	0.104	2	3.6	Q2
IPI00290461;l	EIF3J	28.3	8.58E-43	0.105	7	7.5	Q2
IPI00235412;l	DNM1L	39.3	<1.0E-304	0.106	16	15.3	Q2
IPI00855856;l	API5	18.3	1.35E-119	0.106	2	12.9	Q2
IPI00063962;l	DPCD	27.1	3.15E-22	0.106	3	5.5	Q2
IPI00106966;l	TMEM70	11.2	1.41E-07	0.106	3	6.1	Q2
IPI00018188;l	NECAP2	38	5.22E-95	0.107	5	13.1	Q2

IPI00007682	ATP6V1A	32.3	3.58E-176	0.107	8	18.8	Q2
IPI00006979	LYRM4	31.9	1.95E-11	0.107	2	0.9	Q2
IPI00411356	VPS4A	9.8	9.69E-17	0.109	2	1.2	Q2
IPI00294739;l	SAMHD1	6.5	1.74E-57	0.109	4	8.6	Q2
IPI00304306;l	DNAJC19	33.6	4.16E-08	0.109	4	9.7	Q2
IPI00514234;l	LAD1	25.7	6.66E-169	0.110	20	18.1	Q2
IPI00219772	NDUFB7	14.6	4.20E-03	0.110	2	0.3	Q2
IPI00177509	TRAPPC5	23.9	2.05E-09	0.110	2	0.1	Q2
IPI00873899;l	ABCF1	13.1	1.92E-130	0.110	2	11.3	Q2
IPI00022002;l	MRPS27	12.6	1.41E-22	0.111	2	14.3	Q2
IPI00218019;l	BSG	16.9	2.75E-62	0.111	3	7.4	Q2
IPI00008223;l	RAD23B	21.8	8.94E-141	0.111	7	5.9	Q2
IPI00032325;l	CSTA	77.6	8.68E-113	0.111	9	7.9	Q2
IPI00384857;l	HN1	31.5	1.49E-87	0.112	3	21.8	Q2
IPI00026314;l	GSN	43.6	<1.0E-304	0.112	19	10.6	Q2
IPI00332511;l	PPP2R2A	19.7	6.67E-82	0.114	4	15.5	Q2
IPI00100193;l	DKFZp667D2317	7	1.25E-10	0.115	2	7.0	Q2
IPI00329672;l	MYO1E	27.2	1.13E-243	0.115	3	21.3	Q2
IPI00438170;l	SNX12	34.3	3.37E-37	0.115	8	12.3	Q2
IPI00386122;l	MOBK13	26.2	9.96E-18	0.116	2	0.3	Q2
IPI00023987;l	PPCS	22.5	1.71E-18	0.116	4	3.4	Q2
IPI00305383	UQCRC2	32.9	2.36E-162	0.116	5	13.6	Q2
IPI00024157	FKBP3	39.3	7.53E-93	0.117	8	4.7	Q2
IPI00444945;l	BAX	34.4	1.17E-161	0.117	7	17.8	Q2
IPI00221234;l	ALDH7A1	32.3	1.10E-214	0.118	7	14.5	Q2
IPI00183695	S100A10	57.7	5.15E-12	0.118	16	4.0	Q2
IPI00031131;l	APMAP	16.8	7.87E-32	0.118	2	6.3	Q2
IPI00783625;l	SERPINB5	63.5	<1.0E-304	0.118	56	16.0	Q2
IPI00025285;l	ATP6V1G1	41.5	1.83E-54	0.118	6	7.3	Q2
IPI00797738;l	COX6B1	23.3	3.93E-08	0.119	10	10.9	Q2
IPI00304171;l	H2AFY	45.2	2.50E-172	0.119	8	5.8	Q2
IPI00024403;l	CPNE3	25.7	2.82E-133	0.120	11	16.3	Q2
IPI00328987	BYSL	3.9	1.38E-04	0.120	3	18.0	Q2
IPI00020510	CISD1	42.6	9.25E-11	0.120	4	7.2	Q2
IPI00218924;l	CHP	47.2	4.66E-141	0.120	4	11.5	Q2

IPI00019551	PHLDA2	16.4	3.90E-05	0.120	3	17.0	Q2
IPI00005996;I	HMGA2	41.3	7.24E-94	0.121	8	9.8	Q2
IPI00004358;I	PYGB	60.3	<1.0E-304	0.121	48	16.7	Q2
IPI00000070;I	LDLR	21.5	6.24E-160	0.121	5	12.3	Q2
IPI00020672;I	DPP3	23.6	5.22E-137	0.122	6	8.6	Q2
IPI00027175;I	SRI	39.9	1.53E-42	0.122	10	74.4	Q2
IPI00019178;I	PSPH	15.1	3.92E-09	0.123	2	11.7	Q2
IPI00450768;I	KRT17	66	<1.0E-304	0.123	55	18.4	Q2
IPI00007047	S100A8	47.3	2.58E-14	0.124	5	11.2	Q2
IPI00384643;I	TP53I3	15.4	2.13E-08	0.124	5	4.9	Q2
IPI00872929;I	APOBEC3C	32.8	2.45E-77	0.125	2	0.2	Q2
IPI00013174;I	RBM14	12.3	2.87E-25	0.126	5	15.5	Q2
IPI00794956;I	SCFD1	16.5	3.89E-91	0.126	5	11.2	Q2
IPI00304409	CARHSP1	25.9	3.92E-48	0.127	4	24.9	Q2
IPI00299086;I	SDCBP	26.8	1.43E-126	0.127	8	22.2	Q2
IPI00646762;I	NUDT5	42.7	4.45E-103	0.127	11	10.6	Q2
IPI00175024;I	IL1RN	53.5	2.01E-170	0.127	5	3.3	Q2
IPI00031514;I	RFC5	32.4	7.49E-23	0.128	3	18.0	Q2
IPI00549389;I	METTL11A	22.8	4.29E-48	0.128	4	3.6	Q2
IPI00927647;I	POR	11.5	6.71E-24	0.129	2	11.3	Q2
IPI00024915;I	PRDX5	55.6	3.38E-248	0.129	13	10.7	Q2
IPI00002134;I	PSMD5	32.9	2.52E-185	0.130	5	9.5	Q2
IPI00011107	IDH2	23.2	2.71E-60	0.130	5	4.3	Q2
IPI00646556;I	NDUFV2	13.5	4.54E-45	0.131	3	26.6	Q2
IPI00005966	NDUFA12	11.6	2.44E-03	0.132	4	10.9	Q2
IPI00021828	CSTB	85.7	2.27E-54	0.132	7	14.0	Q2
IPI00293665;C	KRT6B	6.6	<1.0E-304	0.132	8	5.3	Q2
IPI00013459;I	NDUFB5	14.8	1.64E-24	0.132	3	16.3	Q2
IPI00293276	MIF	23.5	2.09E-17	0.133	15	13.7	Q2
IPI00220194;I	SLC2A1	10.8	3.23E-37	0.133	7	10.6	Q2
IPI00218475;I	IFI35	26	3.84E-38	0.133	7	11.3	Q2
IPI00024913;I	C21orf33	39.9	3.30E-27	0.133	3	6.0	Q2
IPI00179713;I	IGF2BP2	28.9	8.73E-129	0.134	10	6.1	Q2
IPI00009342;I	IQGAP1	51.5	<1.0E-304	0.134	12	14.0	Q2
IPI00032313	S100A4	25.7	1.10E-06	0.134	5	1.6	Q2

IPI00873459;l	10-Sep	13.8	6.20E-41	0.135	3	6.3	Q2
IPI00030059;l	GNG10	26.5	7.06E-13	0.136	2	9.9	Q2
IPI00903119;l	SMS	18.2	3.83E-101	0.137	5	11.2	Q2
IPI00033030;l	ADRM1	15.5	3.53E-35	0.138	3	8.4	Q2
IPI00550181;l	CHMP2B	12.7	4.25E-15	0.138	4	6.2	Q2
IPI00000305;l	MED11	13.7	9.81E-05	0.138	2	5.1	Q2
IPI00184363;l	GLTP	22	1.90E-66	0.140	2	11.5	Q2
IPI00873344;l	TPD52	40.7	2.39E-111	0.140	5	13.5	Q2
IPI00152900	LZIC	19	6.47E-12	0.140	2	0.4	Q2
IPI00004839	CRKL	36.6	1.78E-153	0.140	5	22.3	Q2
IPI00465431	LGALS3	33.6	2.92E-74	0.140	21	8.9	Q2
IPI00030363;l	ACAT1	29	2.62E-182	0.141	7	3.8	Q2
IPI00023334;l	MRPL4	19	7.01E-42	0.142	3	20.8	Q2
IPI00013847;l	UQCRC1	17.5	1.50E-61	0.143	2	0.6	Q2
IPI00011937;l	PRDX4	26.9	3.29E-25	0.143	7	13.1	Q2
IPI00170935	LRRC47	24.4	6.15E-63	0.144	3	18.3	Q2
IPI00019463;l	EIF2AK2	18.1	2.12E-56	0.145	8	6.5	Q2
IPI00008964;l	RAB1B	25.4	3.50E-262	0.145	5	9.1	Q2
IPI00290857	KRT3	1.6	1.85E-52	0.145	3	5.4	Q2
IPI00221117;l	ACYP1	30.3	7.90E-15	0.145	4	9.7	Q2
IPI00022793;l	HADHB	28.5	6.97E-86	0.146	6	7.0	Q2
IPI00217272;l	AACS	11.5	1.01E-17	0.146	5	1.4	Q2
IPI00478229;l	RP11	7.3	8.14E-11	0.147	2	2.7	Q2
IPI00101106	COMMD5	8	4.62E-03	0.148	3	18.8	Q2
IPI00009305;l	GNPDA1	46	7.91E-115	0.148	8	30.7	Q2
IPI00009659;l	RPRD1B	19.9	1.51E-27	0.148	6	9.0	Q2
IPI00418248;l	MOB2	6.7	4.69E-04	0.148	3	16.4	Q2
IPI00020567;l	ARHGAP1	24.2	6.64E-37	0.149	2	2.7	Q2
IPI00013895;l	S100A11	56.2	2.65E-109	0.149	26	13.5	Q2
IPI00010320;l	CBX1	22.7	1.17E-53	0.149	2	1.7	Q2
IPI00220770;l	DCTN6	9.5	1.39E-08	0.149	2	3.8	Q2
IPI00020446;l	CD82	9	4.97E-13	0.150	4	11.9	Q2
IPI00215998;l	CD63	12.6	2.72E-08	0.152	9	12.2	Q2
IPI00337494;l	SLC25A24	26.6	8.36E-69	0.153	8	21.0	Q2
IPI00872754;l	STK24	15.1	6.21E-140	0.153	2	0.7	Q2

IPI00439948;l	PPP1R13L	24.5	2.02E-110	0.154	3	6.0	Q2
IPI00022697;l	DRG2	14.6	1.71E-83	0.154	5	13.3	Q2
IPI00333143;l	DGKA	23.5	4.49E-220	0.154	7	9.3	Q2
IPI00299977;l	PHPT1	46.4	2.94E-96	0.155	5	17.5	Q2
IPI00014439;l	QDPR	22.5	8.24E-132	0.155	2	10.8	Q2
IPI00010402;l	SH3BGRL3	14.6	8.98E-34	0.155	8	8.5	Q2
IPI00016179	S100A13	55.1	8.30E-22	0.155	11	10.3	Q2
IPI00216730;l	HIST2H2AB	5.4	9.19E-68	0.155	3	9.0	Q2
IPI00329599	PHLDA3	14.2	1.38E-04	0.155	2	4.0	Q2
IPI00333763	GLRX5	19.7	7.56E-24	0.156	2	1.3	Q2
IPI00219840;l	AP2S1	16.9	9.11E-05	0.156	8	8.8	Q2
IPI00299149;l	SUMO2	29.5	5.09E-26	0.157	7	3.8	Q2
IPI00913889;l	HDHD1A	12.7	3.64E-09	0.157	2	8.0	Q2
IPI00299404;l	LAMB3	47.3	<1.0E-304	0.159	19	24.9	Q2
IPI00022240;l	ISCU	10.2	1.43E-02	0.161	2	6.6	Q2
IPI00216675;l	CASP7	5.4	1.68E-02	0.162	2	4.3	Q2
IPI00514856;l	UBAP2L	21.5	1.22E-196	0.162	3	7.0	Q2
IPI00007935;l	PDLIM5	16.3	3.19E-30	0.162	11	9.2	Q2
IPI00306516	TIMM44	16.6	1.25E-83	0.162	4	9.5	Q2
IPI00018600;l	OPA3	12.3	8.52E-04	0.163	2	24.3	Q2
IPI00644127;l	IARS	39	<1.0E-304	0.165	3	26.6	Q2
IPI00000783;l	PSMB8	30.1	4.01E-63	0.165	5	11.9	Q2
IPI00015865;l	ADPRHL2	8.8	3.07E-29	0.167	3	8.6	Q2
IPI00026268;l	GNB1	13.5	2.46E-184	0.167	5	9.1	Q2
IPI00409684;l	NCKAP1	17.2	4.56E-94	0.167	3	26.7	Q2
IPI00215920	ARF6	30.3	1.62E-75	0.168	6	16.6	Q2
IPI00002412;l	PPT1	7.8	5.99E-14	0.169	2	2.0	Q2
IPI00219526;l	PGM1	20.6	7.81E-44	0.170	5	13.5	Q2
IPI00220827	TMSB10	50	2.60E-20	0.170	6	6.8	Q2
IPI00014398;l	FHL1	35	6.78E-84	0.170	10	3.3	Q2
IPI00028387;l	DDRKG1	9.9	9.14E-81	0.172	2	1.5	Q2
IPI00513761;l	RP3	28.2	1.06E-108	0.172	4	10.9	Q2
IPI00021258;l	ARFIP1	15.3	5.39E-22	0.172	2	4.8	Q2
IPI00217519;l	RALA	26.2	2.22E-41	0.173	8	14.1	Q2
IPI00004363	STK39	4.8	1.29E-17	0.174	2	12.3	Q2

IPI00013744	ITGA2	26.2	1.52E-274	0.174	9	37.2	Q2
IPI00250297	AASDHPPT	20.7	1.60E-51	0.174	4	8.5	Q2
IPI00004838;l	CRK	40.8	9.05E-114	0.175	8	13.8	Q2
IPI00062120	S100A16	54.4	5.24E-30	0.175	13	7.7	Q2
IPI00011200;l	PHGDH	31.1	1.51E-152	0.175	6	20.4	Q2
IPI00008240;l	MARS	29.2	7.84E-287	0.178	4	12.2	Q2
IPI00872209;l	PPP3CA	18.6	1.44E-64	0.179	7	14.1	Q2
IPI00031820;l	FARSA	25.8	1.97E-102	0.180	6	5.9	Q2
IPI00021978;l	PEX11B	12.7	1.12E-19	0.180	4	19.6	Q2
IPI00007117;l	SERPIN2	49.6	<1.0E-304	0.181	11	9.5	Q2
IPI00554761;l	HMG1	30	1.61E-43	0.183	5	17.1	Q2
IPI00291608;l	PCNP	24.2	4.10E-23	0.183	2	13.0	Q2
IPI00031812;l	YBX1	43.8	9.88E-243	0.185	8	11.6	Q2
IPI00397571;l	NSFL1C	29	4.25E-77	0.186	2	16.6	Q2
IPI00009946;l	TOMM34	31.1	1.80E-86	0.187	7	10.3	Q2
IPI00923582;l	SCRN1	17.3	9.70E-52	0.189	7	22.0	Q2
IPI00257059	TMEM173	7.9	2.50E-05	0.191	2	13.3	Q2
IPI00219682;l	STOM	49.7	1.50E-119	0.192	11	16.4	Q2
IPI00027341;l	CAPG	43.4	8.68E-170	0.194	15	9.0	Q2
IPI00031109	NDUF2	52.7	9.41E-69	0.195	4	9.5	Q2
IPI00553131;l	GALE	35.6	2.01E-78	0.196	5	9.9	Q2
IPI00005741;l	MAPK13	9	1.84E-13	0.197	2	33.1	Q2
IPI00293074;l	SLC44A2	3.1	1.52E-02	0.197	8	14.3	Q2
IPI00018364;l	RAP2B	30.6	3.14E-70	0.198	5	9.4	Q2
IPI00001883;l	SNX9	11.6	3.55E-48	0.199	2	10.7	Q2
IPI00329615;l	ISCA1	6.8	8.10E-04	0.199	2	21.3	Q2
IPI00217466	HIST1H1D	16.3	9.44E-78	0.199	4	15.9	Q2
IPI00292657;l	PTGR1	18.2	6.72E-10	0.199	5	18.6	Q2
IPI00026781	FASN	52	<1.0E-304	0.200	12	9.5	Q2
IPI00216225;l	ITGA6	26.5	9.43E-219	0.200	17	19.8	Q2
IPI00304417;l	IDH3B	10.7	1.81E-30	0.201	3	18.8	Q2
IPI00783656;l	MRPL38	4.7	3.94E-04	0.201	2	1.6	Q2
IPI00030781;l	STAT1	37.6	1.25E-223	0.206	13	14.0	Q2
IPI00550364	PGM2	15.2	1.63E-58	0.207	2	2.0	Q2
IPI00027462	S100A9	30.7	2.89E-15	0.208	2	9.0	Q2

IPI00027444;I	SERPINB1	48.3	4.28E-202	0.211	19	8.9	Q2
IPI00217049;I	OAS2	15.4	1.24E-41	0.211	6	8.4	Q2
IPI00003443;I	IFI16	20.3	5.27E-58	0.212	6	14.7	Q2
IPI00024307	EFNB1	14.2	6.51E-58	0.216	8	12.9	Q2
IPI00294834;I	ASPH	13.3	5.33E-243	0.218	2	7.1	Q2
IPI00025512;I	HSPB1	78	2.43E-237	0.226	36	9.3	Q2
IPI00296353;I	ARHGAP18	9.5	1.25E-88	0.228	3	11.8	Q2
IPI00253036;I	CD99	5.4	1.78E-07	0.231	4	10.8	Q2
IPI00877174;I	OAS3	20	4.45E-84	0.232	3	24.3	Q2
IPI00384280;I	PCYOX1	15.8	3.66E-68	0.233	2	7.6	Q2
IPI00217766;I	SCARB2	9.6	3.57E-07	0.233	2	18.5	Q2
IPI00027463	S100A6	74.4	3.30E-15	0.237	29	13.4	Q2
IPI00304754;I	FERMT1	25.7	2.15E-118	0.239	5	28.0	Q2
IPI00005181;I	PLSCR1	7.5	6.05E-03	0.243	2	13.1	Q2
IPI00015351;I	C1orf128	16.6	2.82E-08	0.243	5	19.6	Q2
IPI00555647;I	TRA2B	10.7	3.20E-32	0.246	4	13.4	Q2
IPI00479262;I	EIF4G1	26.7	<1.0E-304	0.247	5	15.9	Q2
IPI00009057;I	G3BP2	13.1	2.65E-87	0.248	2	40.4	Q2
IPI00658000;I	IGF2BP3	18	2.44E-120	0.250	2	7.0	Q2
IPI00550239	H1FO	23.7	1.56E-49	0.252	7	43.5	Q2
IPI00103142	NUDCD2	30.6	3.42E-73	0.254	3	27.8	Q2
IPI00760715;I	CAST	48.1	<1.0E-304	0.254	3	28.4	Q2
IPI00219221	LGALS7	57.4	2.27E-119	0.255	27	9.4	Q2
IPI00297910;F	TACSTD2	25.7	3.38E-64	0.257	5	16.8	Q2
IPI00217963;C	KRT16	42.5	<1.0E-304	0.260	9	11.2	Q2
IPI00375676;I	FTL	19.9	2.54E-37	0.260	2	7.6	Q2
IPI00001649	DNAJC15	16	5.62E-06	0.265	2	18.6	Q2
IPI00329563;I	UBE2L6	19.6	3.65E-06	0.266	2	4.9	Q2
IPI00375552;I	ANTXR2	3.1	1.91E-05	0.267	2	89.2	Q2
IPI00021831;I	PRKAR1A	19.2	4.51E-98	0.267	3	20.2	Q2
IPI00305833	SMU1	7	6.23E-13	0.269	2	23.7	Q2
IPI00215997;I	CD9	4.4	5.86E-10	0.271	5	10.9	Q2
IPI00218414;I	CA2	28.8	3.80E-80	0.274	5	10.8	Q2
IPI00024107;I	SNCA	32.1	8.85E-13	0.274	4	9.5	Q2
IPI00299084	TMEM33	30.4	3.69E-52	0.274	4	10.5	Q2

IPI00027443;l	DKFZp686F1612	13.6	7.83E-46	0.274	4	149.4	Q2
IPI00480022;l	GOLGA7	38.7	2.70E-30	0.275	8	59.9	Q2
IPI00644969;l	KAT	26.3	4.36E-09	0.276	4	9.1	Q2
IPI00007926;l	RCL	30.5	1.04E-36	0.284	4	19.4	Q2
IPI00034006;l	PTPN23	2.6	8.71E-11	0.289	2	7.9	Q2
IPI00012023	AREG	7.9	4.11E-08	0.297	4	30.7	Q2
IPI00219616;l	PRPS1	3.1	2.86E-77	0.305	2	22.1	Q2
IPI00845263;l	FN1	13.5	<1.0E-304	0.309	7	21.9	Q2
IPI00549189;l	THOP1	15.7	2.73E-60	0.310	3	11.6	Q2
IPI00219729;l	SLC25A11	51.9	1.60E-117	0.313	10	9.1	Q2
IPI00375631	ISG15	41.2	1.43E-88	0.316	8	10.3	Q2
IPI00743772;l	COMMD7	6	1.11E-06	0.318	2	16.0	Q2
IPI00747764;l	KPNA6	11.8	5.38E-32	0.324	2	28.3	Q2
IPI00005981;l	TAGLN3	35.3	6.05E-25	0.327	8	21.1	Q2
IPI00293026;l	EFTUD1	19.3	2.04E-109	0.328	2	24.2	Q2
IPI00009507;l	SYPL1	8.5	8.19E-07	0.334	5	23.3	Q2
IPI00002441;l	SDC1	18.1	1.20E-46	0.337	3	7.3	Q2
IPI00167949;l	MX1	47.3	<1.0E-304	0.347	23	8.6	Q2
IPI00219718;l	RBP1	18.8	1.08E-23	0.347	4	13.5	Q2
IPI00007730;F	C14orf1	16.4	8.27E-05	0.356	4	5.4	Q2
IPI00021389	CCS	7.7	2.47E-16	0.361	2	9.0	Q2
IPI00290043;l	ITGA3	11	3.18E-90	0.361	7	25.3	Q2
IPI00377045;l	LAMA3	14	<1.0E-304	0.362	16	16.5	Q2
IPI00290077;l	KRT15	65.1	<1.0E-304	0.385	52	35.1	Q2
IPI00025178	BCAS2	5.8	4.68E-11	0.386	2	16.9	Q2
IPI00303726;l	IFITM3	48.9	1.92E-71	0.389	4	31.2	Q2
IPI00095891;l	GNAS	6	3.98E-30	0.389	3	15.1	Q2
IPI00305092;l	WIBG	31.9	2.00E-104	0.439	3	13.0	Q2
IPI00022891;l	SLC25A4	9.1	3.07E-89	0.444	3	0.9	Q2
IPI00297626	STXBP3	3.2	1.06E-03	0.448	2	16.1	Q2
IPI00872692;l	QPRT	12.7	5.95E-23	0.469	5	6.5	Q2
IPI00871938;l	PTGFRN	1.9	8.13E-04	0.499	2	9.5	Q2
IPI00856116;l	PALLD	8.8	5.37E-61	0.501	3	20.8	Q3
IPI00306749	SLC4A1AP	1.1	1.91E-05	0.575	2	43.5	Q3
IPI00744711;l	PNPT1	9.8	8.63E-11	0.603	2	46.8	Q3

IPI00003843;l	TJP2	35.1	8.89E-278	0.665	2	86.1	Q3
IPI00013271;l	DERL1	10.8	6.21E-11	0.679	3	24.0	Q3
IPI00216088;l	CRABP2	35.5	2.38E-26	0.748	4	4.3	Q3
IPI00385267	SRPR	15.5	9.86E-87	0.886	3	81.3	Q3
IPI00433279;l	SLFN5	14.3	7.72E-95	1.462	2	135.6	Q3
IPI00748788;l	MTM1	2.5	1.80E-02	2.306	15	177.2	Q3

Supplementary Table 4: Keratinocytes during cell culture. Cell lysates were prepared from unlabeled (Arg0/Lys0), freshly isolated keratinocytes and labeled (Arg10/Lys8) keratinocytes after 7 cell doublings in culture (D7). Shown are normalized log₂ protein ratios of identified proteins. For identification a minimum of 2 peptides per protein has to be identified (razor). The database used for identification was a decoy database based on IPI v. 3.59 containing in total 160,820 proteins. As a criterium for identification the posterior error probability rate of identified proteins (PEP) is shown. The peptide numbers represent peptides used for quantitation.

Protein ID	Gene Symbol	Unique + Razor Sequence Coverage [%]	PEP	Log2 Ratio	Peptide No.	Variability [%]	Quantil
IPI00871932;1	SPTBN1	34	<1.0E-304	-2.675	2	244.9	Q1
IPI00217018;1	SAMD9	3	3.82E-13	-2.487	2	17.4	Q1
IPI00219037	H2AFX	42.7	2.64E-69	-2.417	3	13.7	Q1
IPI00027462	S100A9	30.7	2.89E-15	-2.346	6	24.2	Q1
IPI00011692	IVL	40.7	3.82E-117	-2.137	7	4.6	Q1
IPI00171611;1	HIST2H3A	57.4	2.41E-31	-2.135	47	63.1	Q1
IPI00329512;1	SNRPB	20.8	4.38E-91	-2.059	12	29.7	Q1
IPI00761105;1	TADA2B	1.7	4.87E-02	-2.058	12	138.5	Q1
IPI00007047	S100A8	47.3	2.58E-14	-1.993	7	22.0	Q1
IPI00217963;0	KRT16	42.5	<1.0E-304	-1.889	35	23.6	Q1
IPI00009650;1	LCN1	12.5	2.21E-06	-1.774	3	58.2	Q1
IPI00010130;1	GLUL	7	1.09E-04	-1.769	2	186.0	Q1
IPI00419258;1	HMGB1	51.2	1.80E-168	-1.732	2	4.0	Q1
IPI00012382;1	SNRPA	15.2	3.98E-11	-1.724	5	58.3	Q1
IPI00216138;1	TAGLN	22.4	9.99E-48	-1.620	2	33.7	Q1
IPI00455457	HIST2H3PS2	8.1	1.64E-05	-1.509	2	97.8	Q1
IPI00216654;1	NOLC1	11.1	2.64E-28	-1.487	9	59.1	Q1
IPI00216730;1	HIST2H2AB	5.4	9.19E-68	-1.454	2	101.8	Q1
IPI00018352;1	UCHL1	33.2	7.07E-32	-1.421	5	19.4	Q1
IPI00021369;1	CRYAB	24.6	1.09E-21	-1.410	2	164.6	Q1
IPI00022078;1	NDRG1	30.7	3.11E-189	-1.410	4	5.1	Q1
IPI00217357	CCAR1	11.4	5.79E-116	-1.379	3	79.3	Q1
IPI00011118;1	RRM2	17.1	9.94E-103	-1.358	4	17.5	Q1
IPI00007117;1	SERPINB2	49.6	<1.0E-304	-1.342	27	12.2	Q1
IPI00014938;1	SARNP	31.9	5.09E-76	-1.335	5	38.5	Q1

IPI00022488	HPX	14.5	1.61E-23	-1.291	2	11.9	Q1
IPI00477495	H2BFS	75.4	3.13E-73	-1.269	59	67.6	Q1
IPI00027705	PRIM2	5.9	4.30E-17	-1.258	2	7.0	Q1
IPI00216457;I	HIST2H2AA3	62.3	1.91E-91	-1.226	37	90.4	Q1
IPI00026689;I	CDC2	58.7	4.14E-152	-1.222	15	17.7	Q1
IPI00013933;I	DSP	56.1	<1.0E-304	-1.221	14	66.8	Q1
IPI00450768;I	KRT17	66	<1.0E-304	-1.168	103	68.8	Q1
IPI00020928;I	TFAM	22.4	2.65E-28	-1.137	3	73.4	Q1
IPI00002214;I	KPNA2	28.2	3.23E-195	-1.122	13	8.8	Q1
IPI00018350;I	MCM5	17.8	8.02E-81	-1.100	4	11.9	Q1
IPI00007983;I	PDLIM2	3	9.43E-06	-1.088	2	57.3	Q1
IPI00017381;I	RFC4	15.2	5.39E-21	-1.037	2	11.2	Q1
IPI00887771;I	DHFR	36.3	2.27E-65	-1.023	3	10.5	Q1
IPI00872733;I	POLE4	17.9	2.04E-14	-1.021	2	9.6	Q1
IPI00893715;I	EPCAM	6.7	1.41E-05	-1.006	2	10.9	Q1
IPI00335449;I	PPP2R1B	5.1	2.65E-129	-0.995	3	61.9	Q1
IPI00013214;I	MCM3	31.8	1.33E-220	-0.993	8	14.1	Q1
IPI00013679;I	DUT	34.9	7.03E-188	-0.987	8	16.5	Q1
IPI00550239	H1FO	23.7	1.56E-49	-0.981	3	69.5	Q1
IPI00033036;I	METAP2	5.4	4.56E-05	-0.981	3	14.6	Q1
IPI00012369;I	MAD2L1	24.9	2.46E-11	-0.972	4	11.1	Q1
IPI00332499;I	NASP	23.2	1.92E-183	-0.968	7	10.8	Q1
IPI00922181;I	MCM2	22.6	9.14E-137	-0.962	10	32.2	Q1
IPI00071509;I	PKP1	21.8	9.76E-177	-0.952	4	54.7	Q1
IPI00031517	MCM6	24	6.82E-91	-0.950	4	11.8	Q1
IPI00218448;I	H2AFZ	41.4	1.37E-32	-0.921	11	62.9	Q1
IPI00005648;I	SAFB2	6.3	1.37E-89	-0.913	2	7.0	Q1
IPI00796919;I	GLB1	5	7.35E-10	-0.908	2	79.6	Q1
IPI00013871	RRM1	23	1.50E-114	-0.901	8	28.2	Q1
IPI00021700	PCNA	64.4	6.15E-261	-0.898	9	8.5	Q1
IPI00453473	HIST1H4A	53.4	2.75E-80	-0.898	97	47.5	Q1
IPI00902843;I	CDIPT	8.9	4.15E-06	-0.879	5	55.0	Q1
IPI00299904;I	MCM7	20.3	1.32E-86	-0.866	6	8.6	Q1
IPI00008998;I	PTPLAD1	11.6	1.31E-31	-0.848	3	16.2	Q1
IPI00328985;I	THOC6	9.4	7.17E-12	-0.833	3	2.3	Q1

IPI00018349;	MCM4	18.5	1.59E-100	-0.828	5	18.3	Q1
IPI00019640	VRK1	9.8	2.18E-06	-0.807	4	17.3	Q1
IPI00168317;	SPC24	19.8	4.35E-08	-0.785	4	18.1	Q1
IPI00015953;	DDX21	45.1	<1.0E-304	-0.785	20	17.4	Q1
IPI00552920;	EXOSC8	18.8	1.34E-55	-0.779	4	12.8	Q1
IPI00031679;	C3orf26	8.6	5.89E-03	-0.774	2	28.1	Q1
IPI00465410	C12orf73	26.8	4.62E-02	-0.762	3	39.8	Q1
IPI00010277;	TNFRSF12A	23.3	2.14E-17	-0.752	5	59.9	Q1
IPI00020827	MKKS	41.3	2.06E-27	-0.751	4	24.8	Q1
IPI00002203;	BCCIP	21.7	1.85E-92	-0.747	4	13.1	Q1
IPI00647837;	ZNF185	22.5	1.06E-127	-0.737	2	14.5	Q1
IPI00217465;	HIST1H1C	40.8	5.30E-79	-0.737	27	57.5	Q1
IPI00465044	RCC2	19.2	2.49E-21	-0.735	6	11.8	Q1
IPI00736473;	CHTF8	17.4	4.67E-02	-0.721	2	11.7	Q1
IPI00055954;	WDR43	4.4	1.48E-05	-0.710	2	5.5	Q1
IPI00031681;	CDK2	24.2	2.02E-42	-0.704	7	15.1	Q1
IPI00001661;	RCC1	21.7	2.71E-100	-0.703	8	12.6	Q1
IPI00014198;	EXOSC7	15.5	1.07E-44	-0.702	3	6.5	Q1
IPI00175024;	IL1RN	53.5	2.01E-170	-0.690	6	13.5	Q1
IPI00015905;	EXOSC2	15	8.11E-68	-0.688	3	7.9	Q1
IPI00026215	FEN1	19.2	2.00E-13	-0.686	5	6.4	Q1
IPI00217468;	HIST1H1B	22.1	7.39E-53	-0.683	21	55.1	Q1
IPI00217862	RRP9	8.2	1.55E-04	-0.682	4	7.7	Q1
IPI00791262;	ICT1	26.3	9.68E-23	-0.679	2	62.8	Q1
IPI00166079;	VKORC1L1	10.8	7.68E-04	-0.670	2	20.7	Q1
IPI00020510	CISD1	42.6	9.25E-11	-0.665	4	29.4	Q1
IPI00010141	POLE3	22.4	5.88E-45	-0.665	4	9.4	Q1
IPI00221222;	SUB1	42.5	3.56E-37	-0.660	17	41.0	Q1
IPI00020127	RPA1	15.7	6.15E-145	-0.650	2	13.6	Q1
IPI00001146	LSM6	43.8	3.74E-13	-0.645	7	19.6	Q1
IPI00218775;	FKBP5	19.9	2.17E-36	-0.637	8	3.7	Q1
IPI00293665;	KRT6B	6.6	<1.0E-304	-0.631	16	108.8	Q1
IPI00074587;	FUSIP1	21.8	1.76E-63	-0.618	7	15.1	Q1
IPI00029079;	GMPS	28.1	3.23E-259	-0.617	9	15.2	Q1
IPI00007175;	NIP7	34.4	1.05E-44	-0.616	6	18.0	Q1

IPI00306439;	C18orf55	11.3	4.65E-06	-0.613	2	18.5	Q1
IPI00007089	TINP1	15.8	8.71E-10	-0.608	3	3.7	Q1
IPI00555744;	RPL14	37.7	2.22E-147	-0.604	6	14.4	Q1
IPI00021840;	RPS6	32.5	9.34E-108	-0.591	23	15.6	Q1
IPI00032460;	LSM2	18.9	1.61E-10	-0.591	4	24.8	Q1
IPI00217466	HIST1H1D	16.3	9.44E-78	-0.588	3	91.7	Q1
IPI00220609;	SEH1L	10.7	3.03E-16	-0.583	4	12.1	Q1
IPI00300371;	SF3B3	24.4	<1.0E-304	-0.579	9	16.8	Q1
IPI00005792;	PABPN1	14.7	2.33E-29	-0.576	4	18.4	Q1
IPI00001649	DNAJC15	16	5.62E-06	-0.575	3	14.3	Q1
IPI00032853;	NOP10	37.5	1.04E-03	-0.573	3	10.1	Q1
IPI00413611;	TOP1	25.2	1.32E-82	-0.573	12	22.6	Q1
IPI00009328;	EIF4A3	31.4	1.36E-118	-0.568	13	8.0	Q1
IPI00026089;	SF3B1	28	2.62E-190	-0.566	2	6.4	Q1
IPI00297910;	TACSTD2	25.7	3.38E-64	-0.566	8	40.0	Q1
IPI00604599	TMED3	7.4	4.30E-02	-0.563	3	17.1	Q1
IPI00871695;	DEK	16.5	1.11E-46	-0.562	7	19.6	Q1
IPI00855856;	API5	18.3	1.35E-119	-0.562	8	54.1	Q1
IPI00031514;	RFC5	32.4	7.49E-23	-0.559	9	11.5	Q1
IPI00217223	PAICS	3.3	1.12E-177	-0.555	2	8.3	Q1
IPI00023234	UBA2	11.1	4.53E-23	-0.551	5	18.9	Q1
IPI00003505;	TRIP13	17.4	3.76E-68	-0.551	2	4.4	Q1
IPI00024719;	HAT1	11.2	1.08E-111	-0.549	2	0.4	Q1
IPI00328319;	RBBP4	18.8	5.61E-39	-0.549	10	12.3	Q1
IPI00305833	SMU1	7	6.23E-13	-0.547	6	17.0	Q1
IPI00007088	ANAPC10	13	1.68E-06	-0.544	2	3.4	Q1
IPI00033130;	SAE1	26	6.58E-56	-0.543	7	22.1	Q1
IPI00215768	GCLC	4.2	4.24E-06	-0.542	3	108.6	Q1
IPI00217975;	LMNB1	25.8	6.68E-92	-0.541	7	9.1	Q1
IPI00046828;	CCDC58	27.8	1.67E-23	-0.539	3	3.2	Q1
IPI00015838	LYAR	6.6	9.83E-20	-0.538	2	3.3	Q1
IPI00015077;	EIF1	43.4	7.47E-71	-0.536	7	19.2	Q1
IPI00005154;	SSRP1	16.9	1.94E-67	-0.534	5	16.2	Q1
IPI00514173;	PPIE	15.6	3.00E-43	-0.533	8	97.6	Q1
IPI00029764;	SF3A3	17.6	5.12E-31	-0.532	8	135.7	Q1

IPI00023972;	DDX47	13.2	5.71E-54	-0.527	3	10.5	Q1
IPI00171665	NUP37	6.7	1.43E-05	-0.526	2	17.3	Q1
IPI00430812;	CNBP	26.6	3.58E-48	-0.524	5	13.1	Q1
IPI00025512;	HSPB1	78	2.43E-237	-0.519	23	39.0	Q1
IPI00029534;	PPAT	6.6	9.48E-07	-0.517	2	4.6	Q1
IPI00032849;	NOP16	28.7	2.08E-21	-0.517	5	4.6	Q1
IPI00555647;	TRA2B	10.7	3.20E-32	-0.516	6	19.3	Q1
IPI00477155;	GTPBP4	19.5	1.59E-73	-0.516	3	16.5	Q1
IPI00397860;	CYB5A	16.4	1.25E-12	-0.515	2	1.9	Q1
IPI00152708	UTP15	7.1	1.66E-09	-0.514	5	8.0	Q1
IPI00010204;	SFRS3	27.4	6.91E-47	-0.510	11	23.3	Q1
IPI00409717;	EIF4A2	9.3	1.27E-216	-0.508	3	21.4	Q1
IPI00014263	EIF4H	53.6	5.68E-157	-0.506	8	27.6	Q1
IPI00022462;	TFRC	29.9	9.08E-174	-0.503	7	16.1	Q1
IPI00332157	MRPL54	7.2	4.76E-04	-0.502	2	35.5	Q1
IPI00465361;	RPL13	46	1.57E-41	-0.501	17	32.6	Q1
IPI00216230	TMPO	14.3	5.90E-59	-0.500	2	7.1	Q2
IPI00016801;	GLUD1	46.2	2.31E-274	-0.498	22	12.1	Q2
IPI00013468;	BUB3	24.7	3.56E-34	-0.497	10	16.9	Q2
IPI00004968	PRPF19	21.8	1.36E-179	-0.495	9	9.7	Q2
IPI00220528	SNRPF	55.8	1.78E-39	-0.495	12	19.7	Q2
IPI00411886;	NOC2L	8.5	2.11E-09	-0.493	2	1.8	Q2
IPI00169325	WDR36	11.5	3.93E-76	-0.492	2	11.1	Q2
IPI00102173;	UBE2E2	17.9	2.64E-40	-0.491	3	3.3	Q2
IPI00024781;	SERF2	28.8	7.48E-03	-0.487	2	8.5	Q2
IPI00219445;	PSME3	43.8	9.47E-133	-0.484	8	10.9	Q2
IPI00182180	OTUD6B	6.8	3.43E-38	-0.478	2	35.8	Q2
IPI00029048;	TTLL12	17.7	7.45E-59	-0.477	4	7.9	Q2
IPI00027831;	GRWD1	15.7	4.68E-89	-0.474	6	15.0	Q2
IPI00291510;	IMPDH2	35.2	1.77E-257	-0.472	23	12.6	Q2
IPI00020017;	APM2	27.6	1.07E-20	-0.471	3	18.4	Q2
IPI00013002;	UBE2C	31.8	3.04E-49	-0.470	6	13.5	Q2
IPI00152695;	WDR82	20.4	2.13E-143	-0.469	5	31.5	Q2
IPI00026358;	GABARAPL2	28.2	4.08E-11	-0.467	5	31.3	Q2
IPI00260715;	FUS	13.3	2.24E-62	-0.464	14	39.8	Q2

IPI00297579;	CBX3	39.3	1.33E-156	-0.464	10	11.6	Q2
IPI00003311	POLR2L	38.8	8.04E-06	-0.460	4	15.4	Q2
IPI00301323;	DDX18	10.7	2.02E-20	-0.457	4	21.6	Q2
IPI00030275;	TRAP1	25.3	5.49E-195	-0.456	10	7.1	Q2
IPI00306369	NSUN2	30.9	7.18E-209	-0.456	8	19.5	Q2
IPI00396435;	DHX15	29.9	2.69E-114	-0.455	17	31.1	Q2
IPI00289601;	HDAC2	12.4	2.69E-86	-0.454	5	9.4	Q2
IPI00333215;	TCEA1	28.6	1.61E-36	-0.453	10	27.6	Q2
IPI00017617;	DDX5	35.3	8.28E-157	-0.453	32	34.3	Q2
IPI00010158;	CHRAC1	19.8	8.71E-07	-0.453	3	13.0	Q2
IPI00334713;	HNRNPAB	38.6	1.36E-124	-0.451	20	9.2	Q2
IPI00003519;	EFTUD2	27.5	<1.0E-304	-0.449	10	12.2	Q2
IPI00219005	FKBP4	66.2	<1.0E-304	-0.443	29	12.9	Q2
IPI00642378;	LASS2	6	1.69E-05	-0.441	2	2.1	Q2
IPI00004459	DIMT1L	23	4.00E-23	-0.438	5	10.7	Q2
IPI00059292;	MAGOHB	35.8	3.36E-26	-0.437	4	14.3	Q2
IPI00007163	LSM7	15.5	1.20E-02	-0.435	3	1.5	Q2
IPI00844578;	DHX9	40.8	<1.0E-304	-0.434	19	19.2	Q2
IPI00030131;	TMPO	12.3	3.14E-129	-0.434	3	55.4	Q2
IPI00003768;	PES1	10.4	3.54E-24	-0.433	5	22.2	Q2
IPI00550308;	RBM12	8.9	2.06E-49	-0.431	3	29.6	Q2
IPI00218144;	COX17	57.1	2.19E-35	-0.431	5	113.6	Q2
IPI00290077;	KRT15	65.1	<1.0E-304	-0.427	93	52.4	Q2
IPI00041325;	NHP2	37.9	1.32E-92	-0.422	4	7.8	Q2
IPI00647217;	SKIV2L2	22.1	4.53E-172	-0.422	8	23.1	Q2
IPI00154975;	DNAJC9	37.3	3.02E-52	-0.422	10	16.2	Q2
IPI00873238;	POLR2J	11.6	3.34E-06	-0.422	2	3.2	Q2
IPI00013706;	MRPL20	21.5	3.30E-17	-0.422	3	15.2	Q2
IPI00219871;	LSM8	37.5	5.00E-17	-0.420	4	4.4	Q2
IPI00646917;	NUDT21	34.4	6.91E-156	-0.419	7	2.9	Q2
IPI00220194;	SLC2A1	10.8	3.23E-37	-0.417	14	38.3	Q2
IPI00215790;	RPL38	44.3	2.72E-20	-0.416	13	25.2	Q2
IPI00009943;	TPT1	52.7	9.23E-125	-0.414	14	19.6	Q2
IPI00644386;	FUBP1	25.6	3.42E-146	-0.412	12	22.6	Q2
IPI00022810;	CTSC	26.6	2.11E-272	-0.410	8	6.2	Q2

IPI00167941;	MDN1	8.6	6.65E-124	-0.409	2	13.1	Q2
IPI00019472;	SLC1A5	12	9.91E-32	-0.408	6	15.0	Q2
IPI00218993;	HSPH1	48.3	<1.0E-304	-0.408	20	11.2	Q2
IPI00414410;	MRPL22	25.2	1.93E-33	-0.406	5	11.0	Q2
IPI00029015;	KDSR	7.5	6.69E-32	-0.405	2	1.2	Q2
IPI00009276	PROCR	13.1	3.90E-14	-0.405	5	21.7	Q2
IPI00220834;	XRCC5	39.6	9.30E-246	-0.405	30	13.4	Q2
IPI00644712;	XRCC6	48.3	<1.0E-304	-0.405	32	14.1	Q2
IPI00012074;	HNRNPR	24.8	4.14E-199	-0.403	11	13.1	Q2
IPI00007001;	MRPL11	46.9	2.06E-43	-0.403	4	16.8	Q2
IPI00604620;	NCL	37.2	<1.0E-304	-0.401	34	29.3	Q2
IPI00641829;	BAT1	39.3	2.24E-187	-0.399	26	15.4	Q2
IPI00026496	NPM3	47.2	9.39E-170	-0.397	2	9.3	Q2
IPI00003309;	POLR2H	38.7	2.63E-53	-0.397	6	3.0	Q2
IPI00290397	PPP1R14C	14.5	1.46E-11	-0.396	2	49.9	Q2
IPI00177716;	HMGA1	14.6	7.33E-05	-0.395	2	22.5	Q2
IPI00006167;	PPM1G	6.4	1.73E-02	-0.394	2	0.1	Q2
IPI00290461;	EIF3J	28.3	8.58E-43	-0.394	3	5.3	Q2
IPI00004353;	GTF2A2	13.8	1.37E-04	-0.392	2	12.0	Q2
IPI00789041;	PNN	18.1	5.13E-83	-0.391	2	8.0	Q2
IPI00023728	GGH	18.2	4.05E-40	-0.390	4	43.8	Q2
IPI00084571;	MRPL39	18.7	6.29E-13	-0.388	7	15.0	Q2
IPI00019733;	RAE1	16.8	8.48E-19	-0.388	5	36.1	Q2
IPI00004406;	UPP1	41.3	2.96E-112	-0.388	12	8.2	Q2
IPI00073096;	TRIM29	26.9	3.78E-62	-0.387	13	27.2	Q2
IPI00014232;	ARL6IP1	6.9	4.40E-02	-0.386	4	10.1	Q2
IPI00001757;	RBM8A	31.6	4.46E-57	-0.386	6	9.9	Q2
IPI00470674;	CYB5R1	42	2.35E-96	-0.385	14	11.5	Q2
IPI00006379;	NOP58	27.2	3.61E-209	-0.385	7	21.7	Q2
IPI00784154;	HSPD1	61.6	<1.0E-304	-0.385	81	18.4	Q2
IPI00304082;	ISOC1	29.2	1.82E-111	-0.383	7	13.3	Q2
IPI00069750;	PUF60	14.3	2.42E-21	-0.383	4	29.7	Q2
IPI00021266;	RPL23A	46.8	6.22E-59	-0.382	31	32.6	Q2
IPI00554711;	JUP	29	1.17E-256	-0.381	18	72.3	Q2
IPI00479786;	KHSRP	32.5	6.42E-141	-0.380	11	8.0	Q2

IPI00013877;	HNRNPH3	30.9	1.80E-120	-0.377	24	28.7	Q2
IPI00027834;	HNRNPL	42.8	1.64E-254	-0.375	23	25.3	Q2
IPI00003377;	SFRS7	31.9	9.61E-56	-0.373	9	5.1	Q2
IPI00011913	HNRNPA0	30.8	3.20E-164	-0.373	5	7.6	Q2
IPI00010779;	TPM4	46.4	1.51E-235	-0.369	12	32.2	Q2
IPI00010157;	MAT2A	32.9	7.63E-205	-0.369	12	13.3	Q2
IPI00011200;	PHGDH	31.1	1.51E-152	-0.367	11	12.2	Q2
IPI00299000;	PA2G4	58.9	8.07E-269	-0.367	29	18.1	Q2
IPI00465432;	NOMO2	19.3	1.84E-173	-0.364	5	25.5	Q2
IPI00411937;	NOP56	32.7	<1.0E-304	-0.362	16	8.5	Q2
IPI00028005;	NUP107	5.9	2.94E-06	-0.361	2	7.5	Q2
IPI00477313;	HNRNPC	45.8	8.19E-140	-0.361	52	44.2	Q2
IPI00032533	WDR18	11.3	1.61E-19	-0.361	6	19.7	Q2
IPI00031836;	DRG1	28.6	1.03E-85	-0.360	8	9.5	Q2
IPI00007346;	PPIH	34.5	4.34E-31	-0.359	6	20.3	Q2
IPI00375144;	SRRT	11.5	2.11E-23	-0.357	4	9.2	Q2
IPI00031812;	YBX1	43.8	9.88E-243	-0.357	13	15.2	Q2
IPI00220362;	HSPE1	70.6	1.57E-71	-0.357	20	11.9	Q2
IPI00889541;	DDX17	21.1	2.68E-163	-0.357	10	22.7	Q2
IPI00009659;	RPRD1B	19.9	1.51E-27	-0.356	4	50.5	Q2
IPI00011698;	SAP18	25.6	4.41E-05	-0.356	7	9.1	Q2
IPI00031629;	PDCL3	34.7	1.74E-92	-0.354	5	24.7	Q2
IPI00449049;	PARP1	23.4	2.46E-156	-0.354	8	26.8	Q2
IPI00019997;	LIN7C	31	1.49E-20	-0.354	6	21.0	Q2
IPI00010404	SF3B5	37.2	2.26E-35	-0.353	5	3.9	Q2
IPI00220493;	LSM5	20.9	3.87E-48	-0.352	2	5.4	Q2
IPI00008986;	SLC7A5	12.6	6.16E-123	-0.351	5	5.8	Q2
IPI00297982;	EIF2S3	42.2	3.18E-168	-0.348	16	31.7	Q2
IPI00654555;	NOP2	23	5.19E-209	-0.346	6	7.9	Q2
IPI00107745;	CROP	11.6	3.16E-66	-0.344	3	11.9	Q2
IPI00465256;	AK3	21.1	3.38E-74	-0.344	2	0.8	Q2
IPI00022403;	MRPL13	38.8	1.55E-12	-0.342	2	9.5	Q2
IPI00068506;	ABCF2	14	3.32E-40	-0.342	5	12.4	Q2
IPI00015195;	CSTF3	11	3.04E-64	-0.340	3	10.0	Q2
IPI00554481;	SLC3A2	39.5	<1.0E-304	-0.340	23	23.0	Q2

IPI00154473;	GFM1	12.1	1.35E-63	-0.339	4	10.7	Q2
IPI00552073;	DHX16	8.8	6.05E-27	-0.338	2	42.6	Q2
IPI00604624;	NIF3L1	16.4	1.38E-35	-0.337	4	33.3	Q2
IPI00795627;	MRPL3	10.7	1.77E-08	-0.336	2	7.4	Q2
IPI00032799;	RRP7A	12.9	4.63E-22	-0.336	3	40.0	Q2
IPI00218918;	ANXA1	78.6	<1.0E-304	-0.336	90	34.9	Q2
IPI00007423;	ANP32B	34.7	1.35E-147	-0.334	11	9.0	Q2
IPI00183626;	PTBP1	36.3	<1.0E-304	-0.334	28	33.7	Q2
IPI00023529;	CDK6	22.1	4.11E-50	-0.332	5	6.0	Q2
IPI00026516;	OXCT1	16.5	3.60E-39	-0.332	5	14.3	Q2
IPI00334190;	STOML2	38.8	7.51E-150	-0.332	14	12.2	Q2
IPI00021267;	EPHA2	12.9	5.18E-138	-0.331	7	18.8	Q2
IPI00005670;	CDC123	8	1.26E-07	-0.331	2	8.1	Q2
IPI00916503;	BZW1	33.9	1.19E-54	-0.330	19	13.9	Q2
IPI00642816;	SRP9	61.6	3.83E-17	-0.329	9	20.7	Q2
IPI00642584;	KIAA0090	12.4	1.98E-89	-0.327	3	7.6	Q2
IPI00022744;	CSE1L	39.2	<1.0E-304	-0.327	31	47.0	Q2
IPI00030820;	MRPL47	21.6	1.15E-24	-0.326	3	7.1	Q2
IPI00013862;	DTYMK	63.2	1.96E-59	-0.326	9	16.4	Q2
IPI00644079;	HNRNPU	36.1	<1.0E-304	-0.324	23	12.1	Q2
IPI00165393;	ANP32E	20.5	2.04E-114	-0.323	3	9.4	Q2
IPI00294955	LSM4	31.7	5.01E-13	-0.323	11	12.1	Q2
IPI00642904;	PABPC4	10.6	2.84E-224	-0.323	7	5.2	Q2
IPI00815732	DKFZp781N1372	45.1	3.53E-150	-0.322	16	11.4	Q2
IPI00306380;	GNL3	7.3	5.72E-08	-0.322	2	26.3	Q2
IPI00022648;	EIF5	28.3	3.07E-103	-0.321	11	10.6	Q2
IPI00550689;	C22orf28	23.2	5.57E-31	-0.319	14	26.6	Q2
IPI00100460	DARS2	4.2	5.55E-05	-0.319	2	4.4	Q2
IPI00925251;	SNRPG	22.1	1.92E-13	-0.319	8	16.8	Q2
IPI00513971;	RPS27	40.5	1.61E-29	-0.319	5	21.5	Q2
IPI00009922	SLIRP	49.5	1.28E-27	-0.317	9	13.5	Q2
IPI00465054;	THUMPD1	6.2	1.53E-12	-0.317	2	26.0	Q2
IPI00146447;	VMA21	21.8	1.05E-03	-0.317	2	27.1	Q2
IPI00549248;	NPM1	55.1	1.63E-303	-0.317	46	44.5	Q2
IPI00007188	SLC25A5	50.7	1.07E-172	-0.316	32	13.2	Q2

IPI00029056;	SEPHS1	11.7	6.86E-20	-0.315	2	2.0	Q2
IPI00000684;	UAP1	24.5	2.57E-104	-0.314	13	8.4	Q2
IPI00030770;	PSMG1	26.4	7.33E-32	-0.313	3	8.3	Q2
IPI00182757;	KIAA1967	19	5.92E-96	-0.311	6	35.2	Q2
IPI00025039;	FBL	38.9	1.84E-109	-0.310	10	6.1	Q2
IPI00017451;	SF3A1	21.4	1.70E-101	-0.310	9	13.1	Q2
IPI00008167;	ATP1B3	30.8	1.01E-87	-0.304	8	30.5	Q2
IPI00172580;	NUP54	6.1	8.66E-32	-0.302	3	9.7	Q2
IPI00096066;	SUCLG2	15.7	9.64E-74	-0.299	4	23.5	Q2
IPI00827535;	PTMA	35.1	1.47E-154	-0.298	12	11.6	Q2
IPI00028888;	HNRNPD	23.7	9.63E-134	-0.297	11	12.3	Q2
IPI00012535;	DNAJA1	25.9	2.37E-49	-0.296	4	10.9	Q2
IPI00031661	NOC4L	8.9	7.25E-11	-0.296	2	2.3	Q2
IPI00018364;	RAP2B	30.6	3.14E-70	-0.294	2	2.7	Q2
IPI00872610;	CHCHD2	26.3	2.94E-26	-0.293	2	8.2	Q2
IPI00303722;	FAM136A	23.2	3.46E-09	-0.291	3	3.3	Q2
IPI00218493;	HPRT1	49.5	1.58E-129	-0.291	6	4.8	Q2
IPI00163505;	RBM39	13.4	1.08E-70	-0.290	5	12.0	Q2
IPI00215965;	HNRNPA1	54.3	<1.0E-304	-0.289	57	53.1	Q2
IPI00072377;	SET	32.8	1.25E-114	-0.288	18	32.9	Q2
IPI00031526	C19orf43	19.9	2.18E-09	-0.286	2	6.2	Q2
IPI00012345;	SFRS6	11	2.14E-08	-0.286	15	11.0	Q2
IPI00218922;	SEC63	9.7	1.46E-23	-0.285	4	23.0	Q2
IPI00221035;	BTF3	45.6	1.29E-96	-0.285	16	22.0	Q2
IPI00333068;	ARPC1A	18.9	3.50E-30	-0.285	8	17.0	Q2
IPI00329107;	NR2C2AP	23.1	2.48E-15	-0.284	2	4.9	Q2
IPI00026663;	ALDH1A3	50.8	<1.0E-304	-0.284	40	25.4	Q2
IPI00873935;	DKC1	13.6	3.66E-37	-0.282	4	11.5	Q2
IPI00304692;	RBMX	33.5	2.16E-103	-0.281	29	17.8	Q2
IPI00292228;	GSK3A	5.4	9.10E-05	-0.281	2	8.0	Q2
IPI00014253	RRS1	15.3	9.28E-24	-0.281	4	34.1	Q2
IPI00291093	POLR2E	40.5	2.77E-112	-0.281	9	27.0	Q2
IPI00009680	MRPL44	17.5	5.39E-48	-0.280	6	16.8	Q2
IPI00479191;	HNRNPH1	31.6	3.03E-230	-0.279	38	33.1	Q2
IPI00000875;	EEF1G	44.4	2.22E-232	-0.278	42	14.0	Q2

IPI00328987	BYSL	3.9	1.38E-04	-0.277	2	7.5	Q2
IPI00873110;	LYRM7	31.7	1.12E-10	-0.275	4	18.4	Q2
IPI00644708;	TIAL1	18.4	1.29E-41	-0.274	6	8.5	Q2
IPI00029631	ERH	34.6	1.30E-23	-0.274	10	29.9	Q2
IPI00009032;	SSB	40.9	1.25E-110	-0.274	18	11.7	Q2
IPI00903286;	SNRPD1	30.2	9.34E-37	-0.273	5	12.6	Q2
IPI00013195;	MRPL49	38.6	5.24E-57	-0.273	3	11.9	Q2
IPI00103047	CHAC2	10.3	3.05E-03	-0.272	2	23.2	Q2
IPI00215911;	APEX1	44.7	5.49E-178	-0.271	20	9.2	Q2
IPI00026167;	NHP2L1	53.9	8.30E-60	-0.270	13	14.4	Q2
IPI00418497;	TIMM50	15.4	3.21E-83	-0.270	5	13.0	Q2
IPI00012772;	RPL8	28.4	3.51E-43	-0.270	11	57.1	Q2
IPI00014053;	TOMM40	16.1	3.19E-30	-0.270	7	8.9	Q2
IPI00297779;	CCT2	67.5	<1.0E-304	-0.269	46	27.4	Q2
IPI00003627;	ACTL6A	11.9	1.13E-30	-0.269	5	12.2	Q2
IPI00006378;	CCDC72	14.1	3.30E-03	-0.269	2	28.2	Q2
IPI00026942;	ERLIN2	21.5	1.85E-82	-0.269	4	7.9	Q2
IPI00007750;	TUBA4A	15	<1.0E-304	-0.268	16	43.4	Q2
IPI00003923;	UMPS	26.7	5.77E-112	-0.268	9	11.9	Q2
IPI00396485;	EEF1A1	62.8	<1.0E-304	-0.268	122	28.6	Q2
IPI00007797;	FABP5	60.7	2.76E-88	-0.267	23	14.9	Q2
IPI00295081;	TUBG1	6.2	1.07E-03	-0.265	3	9.5	Q2
IPI00003881	HNRNPF	27.7	1.46E-196	-0.265	10	29.4	Q2
IPI00797126;	NACA	7.8	1.45E-137	-0.263	10	9.8	Q2
IPI00791086;	EIF3D	18.8	2.25E-177	-0.263	7	20.4	Q2
IPI00027993	RAB25	19.2	5.10E-23	-0.263	4	15.3	Q2
IPI00018627;	NAT13	66.9	2.88E-75	-0.263	9	7.9	Q2
IPI00009010;	AD-001	38.4	2.45E-65	-0.263	10	11.6	Q2
IPI00005198;	ILF2	37.2	1.56E-207	-0.262	15	24.6	Q2
IPI00032561;	CAB39	41.6	7.89E-78	-0.262	20	12.5	Q2
IPI00784090;	CCT8	65.1	<1.0E-304	-0.262	38	12.5	Q2
IPI00025849;	ANP32A	20.9	6.23E-111	-0.261	3	7.8	Q2
IPI00002520;	SHMT2	32.7	5.43E-200	-0.261	15	10.2	Q2
IPI00017963;	SNRPD2	67.8	3.14E-93	-0.260	20	10.5	Q2
IPI00013070;	HNRNPUL1	14.6	7.90E-91	-0.260	2	26.5	Q2

IPI00438229;	TRIM28	37	<1.0E-304	-0.259	16	11.4	Q2
IPI00329629;	DNAJC7	10.3	2.65E-15	-0.259	4	20.2	Q2
IPI00017895;	GPD2	26	4.40E-110	-0.258	9	9.0	Q2
IPI00177428;	CHCHD4	5.8	2.44E-02	-0.258	2	20.3	Q2
IPI00001541	TIMM9	77.5	6.07E-28	-0.258	8	13.0	Q2
IPI00642374;	UCHL5	17.1	2.22E-21	-0.258	5	11.3	Q2
IPI00022305;	BZW2	15.5	4.13E-80	-0.257	5	13.2	Q2
IPI00215687;	GLS	26.4	4.10E-81	-0.257	12	10.8	Q2
IPI00514856;	UBAP2L	21.5	1.22E-196	-0.257	4	63.1	Q2
IPI00006606	MRPS26	28.3	2.59E-21	-0.256	6	5.8	Q2
IPI00412344;	SRPK1	7.3	6.79E-25	-0.255	2	24.9	Q2
IPI00010740;	SFPQ	45.3	<1.0E-304	-0.254	21	17.3	Q2
IPI00008524;	PABPC1	37.3	<1.0E-304	-0.253	39	27.8	Q2
IPI00873222;	CCT4	55.8	<1.0E-304	-0.252	43	27.5	Q2
IPI00550364	PGM2	15.2	1.63E-58	-0.251	7	13.7	Q2
IPI00009368	SFXN1	50	1.33E-106	-0.251	11	23.8	Q2
IPI00031564;	GGCT	43.1	3.05E-79	-0.250	7	3.1	Q2
IPI00002895	SUPT4H1	19.7	1.62E-05	-0.248	3	20.0	Q2
IPI00024976	TOMM22	66.2	1.27E-176	-0.247	5	8.6	Q2
IPI00873294;	BLMH	4.3	4.83E-14	-0.246	2	14.4	Q2
IPI00232533;	EIF1AX	45.8	3.42E-45	-0.244	8	7.5	Q2
IPI00299033;	KPNA3	12.1	6.05E-94	-0.243	6	8.3	Q2
IPI00031556;	U2AF2	15.4	1.52E-98	-0.241	8	30.8	Q2
IPI00555597;	PTRH2	39.4	8.37E-145	-0.241	7	8.1	Q2
IPI00020956;	HDGF	45	2.30E-90	-0.241	13	11.5	Q2
IPI00022442	NDUFAB1	15.4	1.97E-06	-0.239	6	12.0	Q2
IPI00007402	IPO7	24.2	<1.0E-304	-0.237	20	12.9	Q2
IPI00217553	MRPL41	38.7	6.73E-34	-0.236	6	13.9	Q2
IPI00028357;	XPO4	4.7	1.63E-27	-0.234	2	6.7	Q2
IPI00549389;	METTL11A	22.8	4.29E-48	-0.230	2	7.4	Q2
IPI00304596;	NONO	37.2	8.87E-256	-0.230	22	11.9	Q2
IPI00386189;	NARG1	32.4	3.90E-120	-0.230	16	18.6	Q2
IPI00005573;	NT5C	34.8	1.45E-15	-0.230	2	3.0	Q2
IPI00796337;	PCBP2	21.6	2.90E-190	-0.229	16	21.8	Q2
IPI00410693;	SERBP1	43.4	6.43E-156	-0.228	27	28.7	Q2

IPI00016746;	CBFB	23.6	1.04E-85	-0.227	7	15.4	Q2
IPI00005613;	U2AF1	35	5.43E-93	-0.226	7	11.8	Q2
IPI00290142;	CTPS	40.1	1.10E-213	-0.226	11	13.2	Q2
IPI00304171;	H2AFY	45.2	2.50E-172	-0.226	17	53.7	Q2
IPI00384497	PTPLB	8.6	2.07E-06	-0.225	2	23.8	Q2
IPI00023860;	NAP1L1	19.9	1.82E-235	-0.224	17	14.5	Q2
IPI00001655;	C16orf80	16.6	1.69E-37	-0.224	7	9.9	Q2
IPI00718888;	PRPS2	30.8	8.85E-157	-0.222	9	10.0	Q2
IPI00641788;	SNRPC	11.7	1.51E-33	-0.222	3	9.9	Q2
IPI00384857;	HN1	31.5	1.49E-87	-0.220	3	18.3	Q2
IPI00549381	MRPL1	24.3	1.40E-80	-0.219	6	2.0	Q2
IPI00418313;	ILF3	33.1	1.37E-298	-0.219	22	9.5	Q2
IPI00102069;	EIF3M	38	3.56E-224	-0.219	15	19.2	Q2
IPI00867509;	CORO1C	31.3	1.03E-220	-0.219	27	11.9	Q2
IPI00010080;	OXSRI	20.3	4.23E-179	-0.218	11	25.1	Q2
IPI00845348;	DKFZp686N09117	6.2	6.07E-06	-0.217	2	23.5	Q2
IPI00001546;	TIMM8B	50.6	5.41E-55	-0.216	4	8.5	Q2
IPI00030654;	CPSF6	13.9	1.64E-87	-0.216	3	34.2	Q2
IPI00003438	DNAJC8	20.2	1.60E-10	-0.216	4	10.8	Q2
IPI00789551;	MATR3	28.3	6.40E-196	-0.215	20	18.0	Q2
IPI00170752;	TNS4	11.2	8.83E-11	-0.213	3	2.4	Q2
IPI00183500;	NCBP2	16.7	1.26E-05	-0.213	3	9.1	Q2
IPI00011274;	HNRPD1	18.8	4.52E-171	-0.212	15	36.2	Q2
IPI00301204;	RDH13	16	6.04E-17	-0.211	4	27.9	Q2
IPI00005511	PHF5A	40.9	6.68E-28	-0.210	8	24.7	Q2
IPI00794900	MTHFD1	39.6	<1.0E-304	-0.210	24	9.6	Q2
IPI00414289;	GPS1	9.3	6.58E-32	-0.209	4	8.4	Q2
IPI00012462;	EIF2A	14	4.11E-33	-0.208	7	11.6	Q2
IPI00396378;	HNRNPA2B1	2.5	1.29E-302	-0.208	4	52.2	Q2
IPI00513805;	MRPS18A	15.6	2.61E-07	-0.208	5	4.6	Q2
IPI00295849;	RABGGTB	8.2	2.56E-05	-0.208	2	5.5	Q2
IPI00793443;	IPO5	39.9	<1.0E-304	-0.208	30	45.9	Q2
IPI00844264;	DKFZp779B0247	25.1	1.90E-263	-0.208	10	11.7	Q2
IPI00642046;	RSL1D1	28	8.94E-148	-0.206	5	8.5	Q2
IPI00294779;	VDAC3	39.8	5.40E-96	-0.204	5	14.9	Q2

IPI00061108;	MRRF	21.4	8.64E-41	-0.204	3	7.7	Q2
IPI00215914;	ARF1	69.1	5.76E-180	-0.202	23	49.6	Q2
IPI00013068;	EIF3E	47.9	1.22E-199	-0.201	19	7.2	Q2
IPI00012831	HBXIP	5.8	6.19E-03	-0.201	4	52.8	Q2
IPI00024642;	CCDC47	19.7	8.01E-77	-0.198	7	8.4	Q2
IPI00216746;	HNRNPK	48.9	<1.0E-304	-0.198	48	28.6	Q2
IPI00029558;	NDUFC2	12.6	2.47E-02	-0.197	4	16.8	Q2
IPI00927647;	POR	11.5	6.71E-24	-0.196	3	6.9	Q2
IPI00027626;	CCT6A	51.4	1.68E-297	-0.196	36	7.5	Q2
IPI00031820;	FARSA	25.8	1.97E-102	-0.195	10	10.9	Q2
IPI00008223;	RAD23B	21.8	8.94E-141	-0.194	13	6.6	Q2
IPI00386616	C1orf212	39.1	6.62E-05	-0.194	4	21.7	Q2
IPI00290204;	SNRNP70	19.7	5.85E-14	-0.194	7	19.0	Q2
IPI00015897;	CHORDC1	18.7	9.62E-62	-0.194	5	10.1	Q2
IPI00307409;	MRPL9	19.1	5.17E-23	-0.193	5	12.8	Q2
IPI00303207	ABCE1	30.2	1.34E-195	-0.193	9	6.2	Q2
IPI00448798;	CSNK1A1	37.5	3.77E-108	-0.191	17	51.4	Q2
IPI00332511;	PPP2R2A	19.7	6.67E-82	-0.190	9	9.9	Q2
IPI00011126;	PSMC1	33	6.84E-203	-0.187	13	12.8	Q2
IPI00827508;	RPL10A	53.4	7.23E-214	-0.187	7	14.6	Q2
IPI00025239	NDUFS2	12.7	9.83E-20	-0.186	6	11.3	Q2
IPI00293434;	SRP14	40.4	1.61E-67	-0.185	7	7.3	Q2
IPI00181728	BXDC2	21.2	2.10E-88	-0.185	4	5.7	Q2
IPI00021187;	RUVBL1	48.2	2.74E-293	-0.185	25	8.9	Q2
IPI00005978;	SFRS2	33.5	1.26E-128	-0.184	20	55.8	Q2
IPI00020468;	SELS	11.1	7.23E-07	-0.184	2	7.8	Q2
IPI00304306;	DNAJC19	33.6	4.16E-08	-0.184	4	13.1	Q2
IPI00419373;	HNRNPA3	31.5	8.85E-218	-0.183	15	15.7	Q2
IPI00293078	DDX27	10.1	5.54E-35	-0.183	2	19.1	Q2
IPI00018465;	CCT7	51.9	<1.0E-304	-0.183	39	14.1	Q2
IPI00008433;	RPS5	45.6	6.02E-168	-0.182	21	14.9	Q2
IPI00300096;	RAB35	24.9	8.11E-33	-0.182	5	9.3	Q2
IPI00017334;	PHB	60.3	4.16E-229	-0.181	17	18.5	Q2
IPI00005087;	TMOD3	44.3	1.38E-300	-0.181	16	7.6	Q2
IPI00654777;	EIF3F	39.5	2.60E-130	-0.181	12	11.6	Q2

IPI00398009;	IPO4	10.4	3.85E-70	-0.180	3	10.7	Q2
IPI00218606;	RPS23	29.4	5.55E-22	-0.179	15	25.4	Q2
IPI00003833	MTCH2	48.2	5.74E-185	-0.177	6	6.5	Q2
IPI00291695;	GPX8	24.4	2.80E-10	-0.177	3	13.2	Q2
IPI00032439;	POLR1D	28.6	3.69E-28	-0.176	4	11.6	Q2
IPI00295772;	CYP51A1	22.4	6.64E-129	-0.176	11	15.7	Q2
IPI00011107	IDH2	23.2	2.71E-60	-0.176	8	16.0	Q2
IPI00032827	SF3B14	60	3.00E-43	-0.175	10	8.7	Q2
IPI00397904;	NUP93	31.3	4.32E-209	-0.175	8	11.1	Q2
IPI00922511;	F11R	35.6	8.32E-62	-0.175	8	14.3	Q2
IPI00010136;	CTBP2	7.9	4.32E-30	-0.174	5	8.4	Q2
IPI00218054	SELH	18	1.46E-21	-0.174	2	3.3	Q2
IPI00414860;	RPL37A	51.1	3.02E-52	-0.174	7	25.1	Q2
IPI00844214;	CTNBL1	9.9	1.93E-14	-0.173	3	2.9	Q2
IPI00018398	PSMC3	38.7	8.60E-159	-0.172	20	19.1	Q2
IPI00007818;	CPSF3	5.4	2.55E-08	-0.171	2	8.0	Q2
IPI00012197	DCTPP1	44.1	5.30E-63	-0.168	5	12.7	Q2
IPI00005740;	COX4NB	29	9.08E-29	-0.168	4	2.8	Q2
IPI00013847;	UQCRC1	17.5	1.50E-61	-0.167	8	16.0	Q2
IPI00000494;	RPL5	44.8	2.42E-272	-0.167	26	13.5	Q2
IPI00019812;	PPP5C	7.2	1.29E-31	-0.167	3	10.9	Q2
IPI00217030;	RPS4X	69.6	9.85E-198	-0.167	9	20.2	Q2
IPI00641950;	GNB2L1	68.2	8.87E-288	-0.167	38	25.1	Q2
IPI00016249;	FXR1	11.6	1.42E-31	-0.167	3	12.6	Q2
IPI00783271;	LRPPRC	48.1	<1.0E-304	-0.165	19	10.2	Q2
IPI00009771;	LMNB2	36.3	4.14E-199	-0.165	18	13.7	Q2
IPI00006725;	DDX23	8.9	5.23E-25	-0.164	3	6.1	Q2
IPI00001734;	PSAT1	27.5	1.05E-46	-0.163	10	12.0	Q2
IPI00007765;	HSPA9	45.8	<1.0E-304	-0.162	42	14.8	Q2
IPI00853201;	MRPL23	27.2	1.46E-33	-0.162	4	6.9	Q2
IPI00028481;	RAB8A	33.8	1.14E-97	-0.162	7	53.6	Q2
IPI00329596;	TMX2	12.1	1.17E-24	-0.161	3	24.0	Q2
IPI00293464;	DDB1	35.6	4.79E-237	-0.161	16	30.7	Q2
IPI00479306;	PSMB5	42.2	1.00E-111	-0.160	14	10.5	Q2
IPI00099996	RG9MTD1	30	5.23E-107	-0.160	7	11.0	Q2

IPI00792352;	RAN	44.9	2.25E-164	-0.160	14	25.5	Q2
IPI00013146;	MRPS22	31.7	5.64E-59	-0.160	10	16.9	Q2
IPI00216951;	DARS	55.9	1.63E-175	-0.159	29	15.1	Q2
IPI00791613;	DKFZp686L04275	1.5	<1.0E-304	-0.158	2	4.9	Q2
IPI00008438;	RPS10	47.9	1.57E-102	-0.157	22	14.2	Q2
IPI00024674	MAP2K4	10	3.61E-46	-0.157	2	17.7	Q2
IPI00006979	LYRM4	31.9	1.95E-11	-0.155	2	33.2	Q2
IPI00185146	IPO9	20	4.05E-145	-0.155	4	8.2	Q2
IPI00009342;	IQGAP1	51.5	<1.0E-304	-0.154	20	14.4	Q2
IPI00003918;	RPL4	48.9	<1.0E-304	-0.154	60	20.2	Q2
IPI00911039	HSPA1A	1.5	<1.0E-304	-0.154	2	4.9	Q2
IPI00872664;	USP14	26.3	4.57E-94	-0.154	13	11.7	Q2
IPI00009867;	KRT5	46.8	<1.0E-304	-0.154	236	63.2	Q2
IPI00021728;	EIF2S2	40.5	2.04E-78	-0.154	11	16.9	Q2
IPI00293425;	FXN	11	3.37E-05	-0.153	4	47.8	Q2
IPI00100313;	PCID2	4.9	2.23E-04	-0.152	2	5.9	Q2
IPI00003394;	SMN1	14.3	5.43E-16	-0.152	3	22.8	Q2
IPI00429191	ETF1	30.2	2.51E-92	-0.152	21	13.7	Q2
IPI00010720;	CCT5	50.1	2.96E-275	-0.152	30	13.2	Q2
IPI00025721;	COPS3	18.7	1.61E-32	-0.151	6	15.8	Q2
IPI00647650;	EIF3H	35.2	4.13E-74	-0.151	14	7.3	Q2
IPI00419880;	RPS3A	63.6	6.48E-200	-0.151	45	29.4	Q2
IPI00021812;	AHNAK	71.8	<1.0E-304	-0.151	59	61.0	Q2
IPI00215637;	DDX3X	40	8.49E-293	-0.150	28	14.2	Q2
IPI00013415;	RPS7	49.5	1.71E-63	-0.150	13	16.3	Q2
IPI00295992;	ATAD3A	18.9	2.64E-56	-0.150	10	12.1	Q2
IPI00000816;	YWHAE	75.7	<1.0E-304	-0.150	14	22.4	Q2
IPI00003843;	TJP2	35.1	8.89E-278	-0.149	2	47.2	Q2
IPI00221300;	EIF2B1	29.5	4.79E-69	-0.149	7	12.1	Q2
IPI00007277;	LRRFIP2	2.8	1.00E-44	-0.149	3	7.8	Q2
IPI00025084;	CAPNS1	51.9	3.51E-204	-0.148	8	20.2	Q2
IPI00064193;	TMX3	5.3	2.31E-03	-0.147	3	6.6	Q2
IPI00910513;	GSPT1	18.2	2.30E-69	-0.146	9	5.4	Q2
IPI00013296;	RPS18	66.4	9.12E-70	-0.146	39	23.9	Q2
IPI00186290;	EEF2	64.3	<1.0E-304	-0.146	105	18.3	Q2

IPI00219381	NDUFA2	19.2	1.41E-04	-0.146	2	1.1	Q2
IPI00018522;	PRMT1	47.2	2.88E-237	-0.145	16	12.5	Q2
IPI00304925;	HSPA1A	44.1	<1.0E-304	-0.145	28	9.3	Q2
IPI00394758;	ALDH3A2	12.6	2.46E-57	-0.145	2	8.3	Q2
IPI00479997;	STMN1	63.1	1.33E-53	-0.145	13	16.3	Q2
IPI00640088;	CSNK2B	44.4	1.55E-114	-0.145	4	8.5	Q2
IPI00550746;	NUDC	47.4	3.79E-127	-0.144	11	5.8	Q2
IPI00004670;	GALNT3	6	6.26E-13	-0.144	3	2.9	Q2
IPI00219155;	RPL27	55.9	9.71E-40	-0.143	17	30.0	Q2
IPI00005158;	LONP1	9.9	1.12E-52	-0.143	2	12.8	Q2
IPI00019326	FDX1	9.8	5.25E-06	-0.142	3	0.3	Q2
IPI00014238;	KARS	30.8	5.46E-97	-0.141	15	22.9	Q2
IPI00873344;	TPD52	40.7	2.39E-111	-0.140	5	17.5	Q2
IPI00219678;	EIF2S1	58.7	1.19E-190	-0.140	24	9.1	Q2
IPI00335385	DCPS	11.3	9.03E-04	-0.140	2	6.6	Q2
IPI00027252;	PHB2	68.2	3.96E-258	-0.140	25	10.3	Q2
IPI00009104;	RUVBL2	43.2	3.26E-274	-0.139	19	14.9	Q2
IPI00873403;	RPL24	34.1	4.04E-60	-0.139	21	27.8	Q2
IPI00100160;	CAND1	36.7	<1.0E-304	-0.139	27	18.8	Q2
IPI00003704;	RBM4	20.1	3.12E-49	-0.138	4	3.7	Q2
IPI00456887;	HNRNPUL2	31.3	2.30E-221	-0.138	9	16.0	Q2
IPI00218463;	TIMM16	38.4	1.53E-87	-0.138	4	2.8	Q2
IPI00297492;	STT3A	9.4	1.15E-24	-0.137	14	35.8	Q2
IPI00298961;	XPO1	37	<1.0E-304	-0.136	19	9.7	Q2
IPI00154590;	MKI67IP	21.5	2.30E-82	-0.135	8	16.7	Q2
IPI00029012	EIF3A	43	1.44E-244	-0.134	9	12.6	Q2
IPI00009057;	G3BP2	13.1	2.65E-87	-0.134	4	10.7	Q2
IPI00871174;	MYCBP	29.4	3.56E-14	-0.131	4	6.1	Q2
IPI00001589	TIMM13	73.7	1.84E-213	-0.131	10	14.1	Q2
IPI00413108;	RPSA	61.3	<1.0E-304	-0.131	35	54.2	Q2
IPI00017367;	RDX	22	1.91E-162	-0.131	8	35.1	Q2
IPI00025491;	EIF4A1	60.6	<1.0E-304	-0.130	50	14.4	Q2
IPI00026337;	RANBP3	8.8	2.09E-36	-0.130	2	2.0	Q2
IPI00333763	GLRX5	19.7	7.56E-24	-0.129	7	8.1	Q2
IPI00024933;	RPL12	71.5	8.86E-262	-0.128	15	19.9	Q2

IPI00926977;	PSMC6	45.7	1.12E-200	-0.128	20	21.3	Q2
IPI00185374;	PSMD12	36	7.56E-154	-0.127	19	11.1	Q2
IPI00465233;	EIF3EIP	34.9	9.20E-221	-0.127	21	10.5	Q2
IPI00744711;	PNPT1	9.8	8.63E-11	-0.126	2	26.9	Q2
IPI00015148;	RAP1B	41.8	1.19E-102	-0.126	8	14.4	Q2
IPI00336047;	MYO9B	1	2.60E-04	-0.125	4	35.7	Q2
IPI00852685;	DIAPH1	29.5	<1.0E-304	-0.125	2	9.0	Q2
IPI00376798;	RPL11	46.1	2.73E-58	-0.125	13	17.1	Q2
IPI00010214	S100A14	61.5	1.23E-85	-0.124	12	12.7	Q2
IPI00001639;	KPNB1	39.2	<1.0E-304	-0.124	30	31.6	Q2
IPI00152981;	ACAD9	8.7	5.38E-05	-0.122	4	7.4	Q2
IPI00016613;	CSNK2A1	34.3	2.03E-95	-0.122	8	19.2	Q2
IPI00887241;	RPS28	35.2	1.42E-29	-0.121	14	16.4	Q2
IPI00250297	AASDHPPT	20.7	1.60E-51	-0.121	5	10.7	Q2
IPI00014312;	CUL3	7.6	2.92E-39	-0.121	6	10.5	Q2
IPI00002968	MOCS2	21.6	1.81E-02	-0.120	4	41.9	Q2
IPI00024364;	TNPO1	22.4	9.56E-177	-0.120	13	17.1	Q2
IPI00219383;	NDUFB3	21.4	4.15E-06	-0.120	4	17.8	Q2
IPI00413324;	RPL17	55.4	4.13E-90	-0.119	23	24.0	Q2
IPI00030320	DDX6	24.4	8.39E-89	-0.119	13	15.9	Q2
IPI00034049;	UPF1	41.5	2.88E-235	-0.119	12	15.5	Q2
IPI00215777;	SLC25A3	45.4	2.07E-221	-0.119	18	9.6	Q2
IPI00300074	FARSB	37	2.11E-109	-0.119	18	19.5	Q2
IPI00215878;	ATP5E	45.1	1.87E-02	-0.116	3	19.4	Q2
IPI00215884;	SFRS1	51.2	1.90E-137	-0.116	22	30.8	Q2
IPI00549189;	THOP1	15.7	2.73E-60	-0.115	3	11.3	Q2
IPI00300127;	NAT10	20.5	1.28E-159	-0.115	3	19.9	Q2
IPI00465028;	TPI1	71.7	<1.0E-304	-0.114	7	62.2	Q2
IPI00783872;	CAPRIN1	15.1	1.23E-51	-0.114	6	5.9	Q2
IPI00024143;	AAAS	7	4.74E-22	-0.113	3	26.0	Q2
IPI00783559	EXOC2	5.7	6.80E-20	-0.113	2	36.2	Q2
IPI00642032;	TXNL1	41.5	1.28E-167	-0.113	13	14.0	Q2
IPI00642238;	HP1BP3	14.8	3.73E-16	-0.112	2	3.1	Q2
IPI00646839;	EIF3CL	26.1	1.46E-118	-0.111	12	9.8	Q2
IPI00305166;	SDHA	20.8	4.03E-122	-0.111	4	7.4	Q2

IPI00872754;	STK24	15.1	6.21E-140	-0.110	10	9.9	Q2
IPI00025366;	CS	23.2	7.88E-81	-0.110	12	78.8	Q2
IPI00005668;	AKR1C2	9.6	2.39E-05	-0.110	2	3.5	Q2
IPI00428288;	MRPL43	42.1	1.25E-46	-0.110	7	7.6	Q2
IPI00550021;	RPL3	44.7	1.01E-171	-0.107	39	22.7	Q2
IPI00026530	LMAN1	12.4	1.15E-35	-0.107	5	9.8	Q2
IPI00395694;	TNPO3	6.8	6.63E-123	-0.107	2	9.6	Q2
IPI00304612;	RPL13A	49.3	5.33E-72	-0.107	18	20.5	Q2
IPI00219677;	DERA	22.3	7.44E-24	-0.107	2	18.2	Q2
IPI00219229;	LSM3	25.5	3.47E-06	-0.107	5	11.4	Q2
IPI00218319;	TPM3	72.6	3.78E-271	-0.107	5	30.0	Q2
IPI00012079;	EIF4B	24.4	5.08E-50	-0.106	9	11.7	Q2
IPI00029267	SNRPB2	31.6	2.15E-17	-0.105	4	1.5	Q2
IPI00295542;	NUCB1	19.7	4.00E-89	-0.105	9	30.8	Q2
IPI00216247;	PSMD4	16.6	2.00E-87	-0.104	5	7.6	Q2
IPI00147874;	NANS	27.9	2.13E-61	-0.104	7	6.1	Q2
IPI00472171;	RPL7	59.5	1.16E-104	-0.104	15	24.9	Q2
IPI00017448;	RPS21	63.9	2.90E-54	-0.103	18	15.6	Q2
IPI00293655	DDX1	28.1	3.67E-150	-0.103	19	9.4	Q2
IPI00152658;	NEK7	16.2	3.63E-09	-0.102	3	27.5	Q2
IPI00399265;	TPD52L2	52.8	<1.0E-304	-0.099	6	15.0	Q2
IPI00220578;	GNAI3	13.6	2.85E-69	-0.098	2	24.2	Q2
IPI00182728;	VPS4B	18	4.78E-37	-0.098	7	12.8	Q2
IPI00182289;	RPS29	48.2	9.36E-09	-0.098	13	17.4	Q2
IPI00903119;	SMS	18.2	3.83E-101	-0.097	8	9.3	Q2
IPI00795107;	TATDN1	20.1	4.52E-47	-0.097	3	16.7	Q2
IPI00019450;	TROVE2	11.7	2.53E-58	-0.097	4	5.9	Q2
IPI00003865;	HSPA8	65	<1.0E-304	-0.096	103	23.3	Q2
IPI00553185;	CCT3	57.6	<1.0E-304	-0.096	40	15.5	Q2
IPI00456758	RPL27A	44.6	7.62E-46	-0.095	20	14.1	Q2
IPI00290460;	EIF3G	35	1.32E-88	-0.095	10	20.1	Q2
IPI00166865	CISD2	47.4	8.33E-49	-0.095	11	13.9	Q2
IPI00008530;	RPLP0	50.2	9.13E-247	-0.094	19	10.4	Q2
IPI00020602	CSNK2A2	18.6	3.94E-54	-0.094	3	11.6	Q2
IPI00005264;	PKP2	21.2	3.45E-138	-0.094	8	17.2	Q2

IPI00010349;	AGPS	15.3	4.59E-151	-0.093	4	7.7	Q2
IPI00012795;	EIF3I	50.2	3.45E-132	-0.093	16	60.3	Q2
IPI00003588;	EEF1E1	44.3	1.05E-36	-0.093	6	22.9	Q2
IPI00019918;	DDX19A	21.8	2.96E-90	-0.093	8	17.9	Q2
IPI00178431;	RECQL	19.3	6.23E-50	-0.093	9	9.2	Q2
IPI00171573;	CCDC109A	22.5	7.11E-23	-0.093	4	10.4	Q2
IPI00024290;	IRF6	29.8	1.68E-129	-0.092	12	14.3	Q2
IPI00177965;	NT5DC1	11.4	6.26E-47	-0.091	3	11.7	Q2
IPI00027107	TUFM	59.8	8.92E-287	-0.090	31	16.5	Q2
IPI00382470;	HSP90AA1	32.8	<1.0E-304	-0.090	41	26.7	Q2
IPI00022479	HERC1	0.7	2.67E-05	-0.090	3	65.9	Q2
IPI00790739;	ACO2	35	3.42E-250	-0.090	16	24.9	Q2
IPI00018873;	NAMPT	32	8.01E-206	-0.090	14	7.4	Q2
IPI00215780;	RPS19	69	3.98E-54	-0.089	33	12.1	Q2
IPI00031697;	TMEM109	9.1	2.25E-20	-0.087	4	13.4	Q2
IPI00160421	MRPL18	22.2	1.09E-29	-0.087	3	10.1	Q2
IPI00019380;	NCBP1	10.6	3.07E-27	-0.087	3	16.3	Q2
IPI00012268;	PSMD2	44.4	<1.0E-304	-0.086	23	12.3	Q2
IPI00103142	NUDCD2	30.6	3.42E-73	-0.085	2	5.1	Q2
IPI00012442;	G3BP1	39.7	3.23E-263	-0.084	19	19.4	Q2
IPI00927455;	HIGD1A	18.8	2.39E-56	-0.083	2	6.4	Q2
IPI00011916;	AIMP2	17.5	2.23E-87	-0.083	6	6.1	Q2
IPI00396329;	BXDC1	19.3	1.06E-15	-0.083	6	14.5	Q2
IPI00386114;	SF1	9.5	2.29E-07	-0.082	2	25.3	Q2
IPI00871856;	STIP1	54.7	2.90E-233	-0.081	28	11.6	Q2
IPI00290566;	CCT1	54	<1.0E-304	-0.081	31	39.9	Q2
IPI00003168;	PRPSAP2	13	3.10E-26	-0.080	3	10.9	Q2
IPI00872177;	PPP1CB	14.4	9.77E-282	-0.080	5	5.4	Q2
IPI00019927	PSMD7	38.6	6.27E-86	-0.080	10	8.0	Q2
IPI00025091	RPS11	62	6.54E-75	-0.079	35	18.6	Q2
IPI00023086;	MRPL15	23	1.55E-83	-0.079	6	18.9	Q2
IPI00168388;	SRP68	17.9	1.26E-63	-0.078	5	7.6	Q2
IPI00002324;	MAT2B	19.5	3.09E-51	-0.078	9	17.9	Q2
IPI00018768;	TSN	29.8	3.72E-76	-0.078	5	7.4	Q2
IPI00029731;	RPL35A	45.5	6.84E-10	-0.078	21	19.2	Q2

IPI00100748;	HSPBP1	17.8	2.45E-48	-0.077	7	16.3	Q2
IPI00220739;	PGRMC1	34.9	9.94E-107	-0.077	8	24.3	Q2
IPI00219153;	RPL22	32	2.80E-57	-0.077	13	16.4	Q2
IPI00000811;	PSMB6	23.4	1.37E-21	-0.077	11	25.3	Q2
IPI00784119;	ATP6AP1	7	1.74E-11	-0.076	3	15.4	Q2
IPI00172591	MRPL17	34.3	1.11E-10	-0.076	7	17.9	Q2
IPI00156032;	KRR1	4.7	2.19E-04	-0.076	2	18.5	Q2
IPI00011201;	ME2	9.2	3.56E-63	-0.076	2	1.8	Q2
IPI00054042;	GTF2I	22.5	5.90E-94	-0.075	3	22.2	Q2
IPI00375677;	MRPL21	19.6	3.28E-11	-0.075	4	5.3	Q2
IPI00093057	CPOX	6.8	1.16E-19	-0.074	2	19.4	Q2
IPI00219604;	MAP2K1	23.7	9.60E-15	-0.074	8	8.8	Q2
IPI00026202;	RPL18A	51.1	2.58E-96	-0.074	14	13.1	Q2
IPI00015954;	SAR1A	43.9	1.48E-56	-0.072	6	17.4	Q2
IPI00301280;	TMEM43	18.8	1.60E-120	-0.072	4	4.2	Q2
IPI00396563;	UBXN1	17.6	1.34E-13	-0.071	4	6.5	Q2
IPI00103994;	LARS	42	<1.0E-304	-0.071	19	44.6	Q2
IPI00027270;	RPL26	40	5.90E-19	-0.071	28	13.3	Q2
IPI00171438;	TXNDC5	23.1	1.93E-63	-0.071	10	14.3	Q2
IPI00247583;	RPL21	42.5	1.45E-89	-0.070	19	18.2	Q2
IPI00107104;	CXorf26	41.2	3.27E-119	-0.070	9	9.0	Q2
IPI00008575;	KHDRBS1	18.5	2.93E-63	-0.070	11	29.0	Q2
IPI00022239	METAP1	13.7	5.12E-51	-0.070	3	13.1	Q2
IPI00023919;	PSMC5	52.2	1.07E-228	-0.069	19	8.6	Q2
IPI00016669	RHEB	35.9	1.25E-17	-0.069	7	7.6	Q2
IPI00025273;	GART	37.5	<1.0E-304	-0.069	27	14.0	Q2
IPI00412607;	RPL35	39	4.31E-14	-0.068	8	21.6	Q2
IPI00008240;	MARS	29.2	7.84E-287	-0.067	10	12.8	Q2
IPI00105598;	PSMD11	55.6	4.66E-218	-0.067	26	47.8	Q2
IPI00446875;	ERGIC3	3.9	1.63E-02	-0.066	2	47.9	Q2
IPI00030706	AHSA1	40.8	1.44E-113	-0.066	13	22.9	Q2
IPI00011416;	ECH1	24.7	1.92E-118	-0.066	4	10.1	Q2
IPI00306301;	PDHA1	21.3	1.05E-32	-0.065	7	15.6	Q2
IPI00299088;	BAIAP2	21.7	1.86E-38	-0.065	7	29.0	Q2
IPI00026087;	BANF1	42.7	1.96E-29	-0.065	6	15.0	Q2

IPI00025815;	TARDBP	10.8	2.59E-30	-0.065	3	9.5	Q2
IPI00305383	UQCRC2	32.9	2.36E-162	-0.064	7	16.6	Q2
IPI00215948;	CTNNA1	51	<1.0E-304	-0.064	31	10.0	Q2
IPI00218071	HS3ST5	2.9	4.67E-02	-0.064	2	9.9	Q2
IPI00216057;	SORD	31.7	1.81E-113	-0.063	7	30.3	Q2
IPI00017763;	NAP1L4	33.7	1.11E-255	-0.063	14	13.6	Q2
IPI00925713;	RPL10	54.3	1.96E-97	-0.063	24	9.2	Q2
IPI00890743;	PPP6C	25.1	2.49E-90	-0.063	6	10.8	Q2
IPI00450472;	UBE2I	33.7	6.77E-126	-0.061	7	14.9	Q2
IPI00032406	DNAJA2	16	2.01E-76	-0.061	8	9.8	Q2
IPI00025086	COX5A	21.3	2.55E-47	-0.061	7	9.0	Q2
IPI00015602;	TOMM70A	11.7	1.42E-121	-0.061	3	1.0	Q2
IPI00031691;	RPL9	56.8	4.87E-157	-0.060	13	7.1	Q2
IPI00022597	UBE2M	42.1	6.87E-79	-0.060	9	5.4	Q2
IPI00221088;	RPS9	59.8	1.01E-82	-0.059	23	22.2	Q2
IPI00420108;	DLST	19.6	1.87E-68	-0.059	13	24.3	Q2
IPI00306159;	MECR	4.6	1.68E-02	-0.058	3	9.5	Q2
IPI00218728;	PAFAH1B1	20.2	6.13E-78	-0.058	8	7.5	Q2
IPI00018120;	DAP3	20.1	2.03E-87	-0.058	5	8.2	Q2
IPI00016610	PCBP1	39	1.53E-254	-0.058	26	13.5	Q2
IPI00441473;	PRMT5	20.7	1.19E-111	-0.057	9	11.2	Q2
IPI00411984;	STK3	14.6	4.74E-40	-0.056	6	7.4	Q2
IPI00012578	KPNA4	8.4	1.32E-92	-0.056	5	18.5	Q2
IPI00022002;	MRPS27	12.6	1.41E-22	-0.056	5	16.4	Q2
IPI00299608;	PSMD1	26.3	5.52E-228	-0.054	13	16.2	Q2
IPI00292020	SRM	39.4	9.90E-103	-0.054	10	10.5	Q2
IPI00022277	CCDC56	37.7	3.94E-15	-0.053	6	4.3	Q2
IPI00061531;	MRPL53	41.1	3.32E-40	-0.053	7	19.3	Q2
IPI00294879;	RANGAP1	40.4	<1.0E-304	-0.053	19	9.2	Q2
IPI00915363;	RPS24	18.3	1.94E-65	-0.053	6	12.5	Q2
IPI00017292;	CTNNB1	21.9	1.32E-179	-0.053	7	21.3	Q2
IPI00012202;	WDR77	10.5	1.77E-48	-0.052	7	19.8	Q2
IPI00002506;	ALG5	16.4	1.83E-14	-0.052	4	10.4	Q2
IPI00148063	HEBP1	31.2	3.80E-47	-0.052	5	26.4	Q2
IPI00026271;	RPS14	39.7	1.85E-175	-0.052	25	17.9	Q2

IPI00856045;	AHNAK2	48.5	<1.0E-304	-0.051	3	21.8	Q2
IPI00301936;	ELAVL1	31.7	1.37E-111	-0.051	17	14.3	Q2
IPI00018206;	GOT2	47.7	1.95E-215	-0.051	21	8.5	Q2
IPI00239077;	HINT1	23.8	5.03E-28	-0.050	5	24.0	Q2
IPI00221091;	RPS15A	35.4	1.03E-11	-0.050	33	11.9	Q2
IPI00788907;	PGAM5	42.2	1.09E-59	-0.048	9	14.9	Q2
IPI00221117;	ACYP1	30.3	7.90E-15	-0.048	2	6.8	Q2
IPI00015671;	TUBAL3	3.8	3.73E-37	-0.047	2	10.9	Q2
IPI00291608;	PCNP	24.2	4.10E-23	-0.047	3	10.5	Q2
IPI00375824;	DPH5	8.8	2.06E-02	-0.046	3	17.0	Q2
IPI00642971;	EEF1D	26.1	1.69E-233	-0.046	26	10.6	Q2
IPI00016513	RAB10	50	6.51E-111	-0.045	11	34.6	Q2
IPI00099986;	FN3KRP	9.1	2.17E-02	-0.045	3	10.5	Q2
IPI00290857	KRT3	1.6	1.85E-52	-0.045	5	8.5	Q2
IPI00874200;	MRPS33	31.2	1.37E-06	-0.044	6	16.4	Q2
IPI00553131;	GALE	35.6	2.01E-78	-0.044	9	6.1	Q2
IPI00013949;	SGTA	32.9	5.65E-90	-0.043	9	10.4	Q2
IPI00303476;	ATP5B	61.1	<1.0E-304	-0.042	59	23.6	Q2
IPI00013241;	UBL5	49.3	1.67E-09	-0.042	5	24.2	Q2
IPI00470502;	PPA2	30.1	6.92E-89	-0.040	8	11.1	Q2
IPI00295889;	SRP19	37.5	1.45E-70	-0.040	5	11.7	Q2
IPI00016703;	DHCR24	17.6	6.53E-47	-0.039	8	7.7	Q2
IPI00025329;	RPL19	33.7	1.01E-117	-0.039	4	10.3	Q2
IPI00220766	GLO1	61.4	7.74E-107	-0.039	14	9.2	Q2
IPI00061245	MRPS10	17.9	1.89E-19	-0.038	2	2.7	Q2
IPI00005719;	RAB1A	70.2	7.18E-269	-0.037	34	56.5	Q2
IPI00102425;	RPRD1A	16	2.80E-29	-0.037	3	8.5	Q2
IPI00011876;	MTAP	60.3	2.42E-266	-0.037	13	39.8	Q2
IPI00004758;	LDLRAP1	6.8	4.40E-32	-0.036	2	0.1	Q2
IPI00291643	SPRYD4	20.8	1.85E-09	-0.035	4	17.3	Q2
IPI00022421;	COX7A2L	33.3	3.58E-17	-0.035	5	10.2	Q2
IPI00472160;	ARHGEF2	10.8	1.17E-36	-0.035	3	3.3	Q2
IPI00100106;	RIC8A	5.2	4.79E-06	-0.035	3	22.3	Q2
IPI00171903;	HNRNPM	53.4	<1.0E-304	-0.034	35	27.7	Q2
IPI00479262;	EIF4G1	26.7	<1.0E-304	-0.034	3	9.2	Q2

IPI00219757;	GSTP1	67.1	<1.0E-304	-0.033	18	32.0	Q2
IPI00001676;	NPLOC4	10.7	1.84E-92	-0.032	2	10.7	Q2
IPI00216190;	GSK3B	14.5	6.16E-18	-0.032	4	13.5	Q2
IPI00024403;	CPNE3	25.7	2.82E-133	-0.031	16	22.2	Q2
IPI00375380;	PSMD13	42.1	5.80E-176	-0.030	17	6.2	Q2
IPI00001145	AP4S1	6.9	5.29E-03	-0.029	2	6.9	Q2
IPI00296022;	UQCRH	25.3	2.31E-03	-0.029	7	7.9	Q2
IPI00022254;	ATG3	10.2	4.06E-15	-0.029	3	9.3	Q2
IPI00220063	NDUFS5	13.2	1.80E-02	-0.029	2	2.1	Q2
IPI00645446;	MCTS1	46.7	2.46E-157	-0.029	9	9.1	Q2
IPI00646086;	RPL39	10.1	4.30E-02	-0.027	2	4.8	Q2
IPI00007729;	NOL7	6.6	3.57E-04	-0.027	2	19.2	Q2
IPI00910781;	GPI	37.3	6.55E-265	-0.027	28	9.1	Q2
IPI00106966;	TMEM70	11.2	1.41E-07	-0.027	3	5.6	Q2
IPI00168262;	GLT25D1	8.4	9.21E-09	-0.026	5	16.4	Q2
IPI00019345;	RAP1A	15.2	1.69E-56	-0.025	3	8.7	Q2
IPI00001871	PAWR	11.8	9.70E-63	-0.025	2	3.4	Q2
IPI00061525;	GNPNAT1	45.7	1.98E-166	-0.024	2	20.9	Q2
IPI00479905;	NDUFB10	51.2	1.30E-45	-0.024	3	18.9	Q2
IPI00329672;	MYO1E	27.2	1.13E-243	-0.024	10	19.3	Q2
IPI00299554	KIF14	1.1	9.92E-08	-0.023	3	9.6	Q2
IPI00220301;	PRDX6	63.8	3.41E-297	-0.023	13	27.2	Q2
IPI00023876;	CASP6	10.2	7.34E-15	-0.023	3	23.7	Q2
IPI00017283	IARS2	17.3	6.10E-76	-0.021	7	14.6	Q2
IPI00337386;	PRPF40A	12.3	1.81E-17	-0.021	4	14.6	Q2
IPI00021435;	PSMC2	52.7	1.08E-159	-0.021	28	15.6	Q2
IPI00018813;	COPS2	29.1	1.86E-77	-0.020	7	8.7	Q2
IPI00008552	GLRX3	42.4	7.26E-117	-0.020	12	9.2	Q2
IPI00479743;	POTEE	2.4	4.67E-246	-0.019	3	8.7	Q2
IPI00550069	RNH1	56.6	<1.0E-304	-0.018	30	10.5	Q2
IPI00874144;	MRPS6	29.6	1.13E-17	-0.018	5	29.4	Q2
IPI00719752;	EIF3B	37	2.35E-296	-0.017	23	16.2	Q2
IPI00221093;	RPS17	63	1.44E-204	-0.017	22	23.0	Q2
IPI00376478	CMC1	9.4	6.05E-03	-0.017	2	35.6	Q2
IPI00007074	YARS	33.9	1.73E-38	-0.017	18	8.9	Q2

IPI00031397;	ACSL3	20.4	1.76E-214	-0.016	7	14.0	Q2
IPI00291006;	MDH2	65.7	<1.0E-304	-0.015	31	46.5	Q2
IPI00179713;	IGF2BP2	28.9	8.73E-129	-0.015	16	23.5	Q2
IPI00010105;	EIF6	60	2.18E-295	-0.015	8	5.6	Q2
IPI00169285	PLBD2	4.9	2.88E-09	-0.015	4	76.1	Q2
IPI00010153;	RPL23	57.9	1.01E-193	-0.015	41	18.0	Q2
IPI00011603;	PSMD3	32.8	3.16E-219	-0.014	16	12.2	Q2
IPI00219160;	RPL34	37.6	1.66E-14	-0.013	17	39.4	Q2
IPI00220300;	ATP5J2	27.7	2.02E-17	-0.013	3	13.9	Q2
IPI00028946;	RTN3	15.3	3.43E-18	-0.013	2	16.2	Q2
IPI00008380;	PPP2CA	48.2	3.42E-231	-0.013	15	8.3	Q2
IPI00007084	SLC25A13	21	5.83E-192	-0.013	5	16.4	Q2
IPI00293746;	MMTAG2	10.3	5.50E-08	-0.012	2	20.0	Q2
IPI00440493;	ATP5A1	56.1	<1.0E-304	-0.012	42	21.4	Q2
IPI00019269;	WDR61	18.7	8.51E-37	-0.011	4	18.6	Q2
IPI00872940;	RPL30	77.4	3.15E-150	-0.011	23	11.0	Q2
IPI00924713;	PCYT1A	16.3	1.31E-91	-0.010	4	6.9	Q2
IPI00015018;	PPA1	80.6	<1.0E-304	-0.009	27	12.5	Q2
IPI00289807;	TRNT1	6.5	2.34E-05	-0.009	3	8.8	Q2
IPI00216308;	VDAC1	71.7	<1.0E-304	-0.009	22	11.0	Q2
IPI00298406;	HADH	20	3.57E-43	-0.008	8	6.8	Q2
IPI00107753;	OPA1	11.6	1.71E-48	-0.008	3	45.2	Q2
IPI00290198	IL18	31.6	3.70E-60	-0.007	4	2.3	Q2
IPI00171844	COPS4	20	4.88E-92	-0.006	5	19.4	Q2
IPI00018288;	POLR2C	34.2	1.09E-158	-0.006	3	50.4	Q2
IPI00028160;	HMBS	13	3.05E-150	-0.006	4	19.9	Q2
IPI00182540;	CTNND1	29.5	2.70E-299	-0.006	9	11.5	Q2
IPI00008418;	DIABLO	16.5	4.62E-27	-0.005	3	61.5	Q2
IPI00747810;	FSCN1	55.2	<1.0E-304	-0.005	56	24.2	Q2
IPI00023334;	MRPL4	19	7.01E-42	-0.004	3	51.9	Q2
IPI00026833	ADSS	21.3	5.74E-86	-0.003	9	13.0	Q2
IPI00004860;	RARS	47	<1.0E-304	-0.002	20	19.1	Q2
IPI00012750;	RPS25	35.2	1.89E-26	-0.002	17	18.5	Q2
IPI00000005	NRAS	39.2	2.94E-54	-0.001	2	1.5	Q2
IPI00893315;	CGI-59	13.3	7.68E-10	0.000	2	4.3	Q2

IPI00843975;	EZR	40.8	1.03E-291	0.000	30	14.0	Q2
IPI00783625;	SERPINB5	63.5	<1.0E-304	0.000	57	17.2	Q2
IPI00220644;	PKM2	3.2	<1.0E-304	0.000	2	0.0	Q3
IPI00030847;	TM9SF3	4.9	2.84E-09	0.001	2	6.3	Q2
IPI00221089	RPS13	51	1.15E-62	0.002	20	15.9	Q2
IPI00021370;	UBE2K	50.5	6.38E-91	0.003	13	9.3	Q2
IPI00009790;	PFKP	38.4	<1.0E-304	0.003	25	14.4	Q2
IPI00030363;	ACAT1	29	2.62E-182	0.004	8	17.8	Q2
IPI00024320;	RBM3	31.8	5.33E-62	0.004	7	18.4	Q2
IPI00294536;	STRAP	58.7	1.27E-193	0.004	21	11.0	Q2
IPI00794806;	PPM2C	3.2	1.67E-04	0.004	3	2.8	Q2
IPI00003269	ACTBL2	8.5	1.84E-100	0.004	13	34.9	Q2
IPI00300725;	KRT6A	67.4	<1.0E-304	0.005	391	92.8	Q2
IPI00014151;	PSMD6	42.4	1.08E-128	0.005	16	9.0	Q2
IPI00414676;	HSP90AB1	63.8	<1.0E-304	0.005	79	30.4	Q2
IPI00419266	NDUFA6	22.1	8.09E-05	0.005	5	45.0	Q2
IPI00029744;	SSBP1	43.2	1.32E-122	0.006	12	11.8	Q2
IPI00867714;	LSM12	13.6	7.17E-29	0.006	3	10.8	Q2
IPI00793201;	AIMP1	17.3	1.53E-25	0.006	6	9.6	Q2
IPI00032325;	CSTA	77.6	8.68E-113	0.007	14	18.3	Q2
IPI00374364;	C7orf59	8.4	2.71E-08	0.007	5	16.7	Q2
IPI00299084	TMEM33	30.4	3.69E-52	0.008	3	1.5	Q2
IPI00009950	LMAN2	27.5	1.31E-88	0.008	5	22.4	Q2
IPI00021417;	SART1	12.4	1.90E-22	0.008	2	29.0	Q2
IPI00334159	VBP1	33.5	2.12E-59	0.008	5	15.1	Q2
IPI00293817;	NAPG	19.2	4.04E-19	0.008	6	5.2	Q2
IPI00477982;	RPS6KA1	13.4	3.44E-71	0.008	5	22.9	Q2
IPI00293026;	EFTUD1	19.3	2.04E-109	0.009	2	9.7	Q2
IPI00332395;	CPNE9	1.6	6.43E-04	0.009	4	22.5	Q2
IPI00604414;	PLAU	6.7	1.96E-05	0.009	3	13.8	Q2
IPI00221092;	RPS16	69.9	2.09E-51	0.010	33	22.1	Q2
IPI00005537;	MRPL12	39.9	1.44E-52	0.011	7	11.1	Q2
IPI00306661	KCMF1	7.9	2.52E-63	0.011	2	2.5	Q2
IPI00329373	QIL1	10.2	2.14E-01	0.012	6	18.5	Q2
IPI00058192;	POFUT1	10.8	1.44E-23	0.012	2	3.7	Q2

IPI00744692;	TALDO1	40.7	7.83E-105	0.012	21	10.4	Q2
IPI00005038;	HRSP12	15.3	7.58E-12	0.013	5	13.8	Q2
IPI00011454;	GANAB	40.5	<1.0E-304	0.013	25	7.3	Q2
IPI00103252;	RWDD4A	15.4	5.22E-09	0.014	3	12.1	Q2
IPI00299573;	RPL7A	50	<1.0E-304	0.014	36	22.2	Q2
IPI00657888;	GMPPA	11.6	3.35E-108	0.015	3	3.3	Q2
IPI00479058;	RPS15	31	5.03E-103	0.016	7	12.3	Q2
IPI00031461;	GDI2	70.8	<1.0E-304	0.016	50	10.1	Q2
IPI00397571;	NSFL1C	29	4.25E-77	0.017	11	9.9	Q2
IPI00218187;	PPP1CC	7.1	1.25E-300	0.017	2	1.4	Q2
IPI00409684;	NCKAP1	17.2	4.56E-94	0.018	6	10.8	Q2
IPI00008527;	RPLP1	51.8	1.33E-111	0.018	4	3.1	Q2
IPI00031064	TMEM126A	29.2	6.46E-50	0.018	7	5.9	Q2
IPI00555956	PSMB4	31.8	3.15E-191	0.018	4	10.4	Q2
IPI00031131;	APMAP	16.8	7.87E-32	0.018	5	17.5	Q2
IPI00010810;	ETFFA	48.3	2.23E-253	0.019	12	8.1	Q2
IPI00013917;	RPS12	71.2	5.87E-163	0.019	21	20.4	Q2
IPI00005490	GOLPH3	23.2	1.38E-137	0.020	5	12.9	Q2
IPI00019329	DYNLL1	57.3	3.47E-72	0.020	5	19.2	Q2
IPI00005179;	POLR1C	12.4	3.28E-112	0.020	2	36.0	Q2
IPI00328867;	SRC	18.5	9.41E-58	0.020	8	13.6	Q2
IPI00291922	PSMA5	52.3	7.20E-192	0.022	3	11.9	Q2
IPI00289535;	PMPCB	8.6	8.81E-15	0.022	5	16.3	Q2
IPI00019004;	SEC62	9	1.56E-05	0.023	3	49.8	Q2
IPI00022697;	DRG2	14.6	1.71E-83	0.024	4	12.7	Q2
IPI00219078;	ATP2A2	29	<1.0E-304	0.024	15	9.0	Q2
IPI00012833	PPP4C	27	9.68E-147	0.024	6	19.3	Q2
IPI00009346	TMEM14C	24.1	6.26E-16	0.025	2	2.9	Q2
IPI00027448	ATP5L	55.3	2.05E-80	0.025	11	20.2	Q2
IPI00015029;	PTGES3	36.9	2.13E-94	0.025	8	9.8	Q2
IPI00464979;	SUCLA2	8	6.39E-16	0.026	5	9.8	Q2
IPI00300299	SPCS3	15	1.61E-09	0.026	2	12.4	Q2
IPI00021327;	GRB2	48.4	1.33E-44	0.028	7	20.1	Q2
IPI00218848	ATP5I	40.3	8.02E-05	0.028	13	25.9	Q2
IPI00219029;	GOT1	41.2	5.06E-147	0.029	10	7.7	Q2

IPI00024913;	C21orf33	39.9	3.30E-27	0.029	7	4.2	Q2
IPI00647286;	C9orf88	30.6	3.63E-228	0.029	10	8.6	Q2
IPI00073779;	MRPS35	10.5	4.06E-20	0.030	5	12.1	Q2
IPI00006482;	ATP1A1	34.3	<1.0E-304	0.032	15	13.3	Q2
IPI00790214;	RCN2	12.8	1.30E-77	0.032	3	4.0	Q2
IPI00301051;	NHLRC2	6.6	1.97E-18	0.032	2	17.6	Q2
IPI00165506	POLDIP2	14.7	7.12E-56	0.033	5	7.3	Q2
IPI00021440;	ACTG1	77.3	<1.0E-304	0.033	233	41.5	Q2
IPI00009958;	COP55	33.2	2.97E-43	0.033	8	8.0	Q2
IPI00291946;	USP10	14.8	6.64E-87	0.033	2	4.6	Q2
IPI00873899;	ABCF1	13.1	1.92E-130	0.034	2	8.1	Q2
IPI00456008;	ATP5J	28.4	1.09E-57	0.034	5	9.2	Q2
IPI00871854;	SAMM50	15.8	2.18E-13	0.035	7	15.8	Q2
IPI00893857;	NDUFA11	14.9	1.07E-04	0.035	2	19.5	Q2
IPI00794659;	RPS20	24.6	2.19E-45	0.035	17	20.4	Q2
IPI00478231;	RHOA	59.6	4.08E-243	0.035	31	30.6	Q2
IPI00007752;	TUBB2C	19.3	<1.0E-304	0.035	27	38.3	Q2
IPI00795922;	MRPS28	20.8	1.04E-09	0.036	4	0.6	Q2
IPI00028004;	PSMB3	49.8	2.25E-210	0.036	6	9.7	Q2
IPI00291669	UBLCP1	12.6	1.11E-16	0.036	6	10.8	Q2
IPI00014577;	RAB18	51	9.01E-144	0.036	6	10.8	Q2
IPI00026302;	RPL31	48	3.90E-42	0.037	17	17.2	Q2
IPI00025874;	RPN1	37	1.22E-299	0.038	20	8.6	Q2
IPI00032872;	MRPS16	34.3	2.59E-20	0.038	4	6.1	Q2
IPI00025019;	PSMB1	53.1	3.67E-175	0.038	15	14.2	Q2
IPI00219622;	PSMA2	54.3	7.85E-228	0.038	8	10.3	Q2
IPI00021405;	LMNA	65.4	<1.0E-304	0.039	93	25.1	Q2
IPI00792838;	C19orf42	9.7	1.78E-07	0.039	3	0.5	Q2
IPI00020042;	PSMC4	31.8	1.09E-173	0.039	12	9.4	Q2
IPI00013459;	NDUFB5	14.8	1.64E-24	0.039	2	7.6	Q2
IPI00045051	PURB	6.1	2.19E-09	0.039	2	23.0	Q2
IPI00514587;	SARS	29.7	3.99E-83	0.041	14	15.9	Q2
IPI00003925;	PDHB	42.9	1.50E-242	0.041	16	11.7	Q2
IPI00003320	C11orf10	10.1	1.68E-02	0.041	6	24.0	Q2
IPI00298558;	PDCD10	41	1.45E-104	0.041	6	13.5	Q2

IPI00018871;	ARL8B	26.9	1.11E-61	0.042	7	19.0	Q2
IPI00019353	AGK	14	4.04E-58	0.042	5	6.5	Q2
IPI00411730;	PPP4R1	17.8	1.15E-123	0.042	6	31.2	Q2
IPI00021277;	NUBP1	10.6	7.81E-59	0.043	2	12.2	Q2
IPI00021570;	EDF1	35.1	1.81E-35	0.043	5	9.1	Q2
IPI00879750;	SNRPD3	26.9	4.01E-17	0.043	8	33.2	Q2
IPI00095891;	GNAS	6	3.98E-30	0.043	5	4.9	Q2
IPI00006052	PFDN2	41.6	2.37E-69	0.043	11	7.6	Q2
IPI00165092	YARS2	8.6	6.44E-28	0.043	3	8.2	Q2
IPI00010863	ATOX1	50	3.53E-09	0.043	4	3.0	Q2
IPI00299149;	SUMO2	29.5	5.09E-26	0.043	9	11.6	Q2
IPI00170935	LRRC47	24.4	6.15E-63	0.044	6	15.6	Q2
IPI00009901	NUTF2	22.8	7.71E-04	0.044	6	28.9	Q2
IPI00556528;	PPP2R5E	5.8	2.54E-07	0.044	2	1.1	Q2
IPI00006579;	COX4I1	32.5	2.87E-34	0.044	18	20.5	Q2
IPI00216026;	VDAC2	52.4	2.32E-215	0.045	16	29.4	Q2
IPI00012512;	RRAS2	35.7	3.74E-93	0.045	6	12.2	Q2
IPI00178803;	PPP2R2C	1.6	1.68E-05	0.046	2	4.5	Q2
IPI00103057;	FAM36A	29.2	4.05E-30	0.048	4	11.2	Q2
IPI00853072;	KIAA0947	1.2	9.13E-03	0.048	4	21.9	Q2
IPI00015947;	DNAJB1	42.9	5.81E-93	0.048	12	18.8	Q2
IPI00028006;	PSMB2	35.3	3.60E-82	0.049	8	22.8	Q2
IPI00179330;	RPS27A	64.7	4.32E-127	0.049	93	19.0	Q2
IPI00295066;	MRPL48	16.5	1.86E-33	0.050	2	15.0	Q2
IPI00796934;	RPL29	14.5	7.92E-23	0.050	4	28.6	Q2
IPI00012007	AHCY	49.5	9.08E-206	0.051	33	48.8	Q2
IPI00163644;	OSBPL8	9	3.05E-56	0.051	6	20.5	Q2
IPI00033030;	ADRM1	15.5	3.53E-35	0.051	7	5.8	Q2
IPI00301518;	MOBK1B	29.2	4.62E-29	0.052	5	12.4	Q2
IPI00029133;	ATP5F1	44.1	1.50E-72	0.052	9	9.0	Q2
IPI00909484;	CDC42	28.8	2.14E-58	0.053	10	40.7	Q2
IPI00219217;	LDHB	54.8	<1.0E-304	0.053	47	23.2	Q2
IPI00027341;	CAPG	43.4	8.68E-170	0.054	12	8.4	Q2
IPI00000001;	STAU1	12.8	2.87E-59	0.055	5	9.5	Q2
IPI00414320;	ANXA11	27.4	2.10E-165	0.055	17	7.1	Q2

IPI00017672;	NP	76.8	4.16E-295	0.056	29	42.9	Q2
IPI00873459;	10-Sep	13.8	6.20E-41	0.057	4	14.0	Q2
IPI00655650;	RPS26	37.4	2.41E-47	0.057	12	15.3	Q2
IPI00152900	LZIC	19	6.47E-12	0.058	6	4.7	Q2
IPI00332525;	MRPL42	15.5	3.05E-06	0.058	2	11.1	Q2
IPI00004839	CRKL	36.6	1.78E-153	0.059	6	9.5	Q2
IPI00816419	C1orf151	48.7	7.16E-07	0.059	5	15.6	Q2
IPI00001091	AFG3L2	6.3	3.21E-14	0.060	2	10.1	Q2
IPI00418290	MRPL14	29.7	9.62E-24	0.060	5	5.3	Q2
IPI00026813;	FNTA	16.4	5.25E-91	0.060	4	4.4	Q2
IPI00217943;	RAB6A	62.5	5.09E-93	0.061	20	34.9	Q2
IPI00871891;	COMMD8	19.1	2.67E-21	0.061	3	13.2	Q2
IPI00220344;	RPL36A	46.2	5.45E-22	0.061	20	27.8	Q2
IPI00030702;	IDH3A	40.7	9.95E-126	0.062	13	14.0	Q2
IPI00007019	PPIL1	20.5	3.98E-55	0.063	2	9.2	Q2
IPI00026216;	NPEPPS	28.4	3.89E-130	0.063	15	8.3	Q2
IPI00008529;	RPLP2	92.2	<1.0E-304	0.063	25	44.7	Q2
IPI00790342;	RPL6	49.1	3.09E-120	0.063	46	27.8	Q2
IPI00554737;	PPP2R1A	47.9	<1.0E-304	0.064	26	17.0	Q2
IPI00217519;	RALA	26.2	2.22E-41	0.064	3	10.6	Q2
IPI00306960;	NARS	32.7	8.67E-177	0.064	18	9.9	Q2
IPI00550451;	PPP1CA	49.1	2.37E-290	0.065	18	15.5	Q2
IPI00007675;	DYNC1LI1	11.3	7.38E-59	0.065	5	9.8	Q2
IPI00023064;	HRPAP20	45.7	3.04E-21	0.065	4	3.9	Q2
IPI00873622;	WDR1	29.3	1.50E-158	0.065	20	8.8	Q2
IPI00917683;	SUMO1	29.5	1.96E-13	0.066	5	15.7	Q2
IPI00026154;	PRKCSH	33.3	8.63E-215	0.067	15	52.9	Q2
IPI00024095;	ANXA3	72.8	1.30E-281	0.067	36	11.1	Q2
IPI00063903	USMG5	43.1	1.79E-49	0.068	2	20.3	Q2
IPI00005745;	SPTLC1	12.5	6.99E-45	0.068	4	18.5	Q2
IPI00008274;	CAP1	61.9	<1.0E-304	0.069	57	21.3	Q2
IPI00218465;	PLAA	13.7	3.80E-159	0.069	2	27.5	Q2
IPI00026824	HMOX2	35.9	7.09E-83	0.069	16	15.6	Q2
IPI00339384;	RDH11	35.5	5.93E-113	0.070	7	11.5	Q2
IPI00011268;	RALY	34.2	3.29E-49	0.070	20	46.4	Q2

IPI00002857;	MAPK14	11.7	6.90E-18	0.070	3	17.3	Q2
IPI00099550;	UBQLN1	17.3	1.02E-53	0.070	5	11.2	Q2
IPI00024821;	PSMD14	43.5	2.29E-56	0.070	12	7.9	Q2
IPI00221325;	RANBP2	11.1	3.39E-238	0.071	3	21.4	Q2
IPI00016342;	RAB7A	85	7.10E-230	0.071	29	17.0	Q2
IPI00025160;	VAC14	4.5	4.03E-08	0.073	3	17.9	Q2
IPI00215920	ARF6	30.3	1.62E-75	0.073	5	8.8	Q2
IPI00658109;	CKMT1A	50.8	1.95E-261	0.073	13	12.8	Q2
IPI00162330;	MRPL37	11.8	5.60E-28	0.074	2	15.7	Q2
IPI00902883;	RAPGEFL1	1.5	4.67E-02	0.074	4	42.7	Q2
IPI00410034;	SLC38A2	11.9	8.71E-40	0.074	4	51.6	Q2
IPI00003386	RBX1	24.1	8.15E-49	0.075	3	19.1	Q2
IPI00748502;	CRTAP	11.5	1.80E-26	0.076	6	16.9	Q2
IPI00012585	HEXB	29.5	1.27E-75	0.076	8	11.9	Q2
IPI00414442;	CDK5RAP3	9.6	7.24E-25	0.077	5	11.2	Q2
IPI00034010;	RWDD1	8.2	5.92E-09	0.078	3	8.7	Q2
IPI00291467;	SLC25A6	20.5	1.26E-128	0.078	6	38.4	Q2
IPI00291200;	NUP133	16.3	1.20E-179	0.079	2	16.2	Q2
IPI00748472;	KIAA0196	16.3	3.98E-59	0.079	2	13.1	Q2
IPI00152377;	STT3B	7	9.55E-40	0.080	2	2.0	Q2
IPI00021828	CSTB	85.7	2.27E-54	0.081	13	19.7	Q2
IPI00016912	TTC1	9.9	2.35E-07	0.081	2	10.9	Q2
IPI00016608;	TMED2	23.9	1.80E-20	0.081	6	8.0	Q2
IPI00009960;	IMMT	27.6	6.64E-247	0.082	15	32.7	Q2
IPI00009148;	NUDT3	18	1.69E-07	0.082	2	6.3	Q2
IPI00002496;	GMPPB	8.5	2.56E-08	0.083	3	8.9	Q2
IPI00384280;	PCYOX1	15.8	3.66E-68	0.084	9	30.9	Q2
IPI00013122	CDC37	33.9	3.37E-158	0.084	11	4.5	Q2
IPI00010201;	PSMD8	20.3	9.60E-42	0.085	5	10.3	Q2
IPI00218568	PCBD1	24	5.55E-04	0.085	3	4.8	Q2
IPI00015361;	PFDN5	59.1	1.44E-144	0.085	8	14.6	Q2
IPI00016605;	C1orf123	15	6.09E-03	0.086	3	6.8	Q2
IPI00163230;	COPS6	16.5	4.45E-21	0.086	4	15.0	Q2
IPI00032826;	ST13	24.9	9.13E-90	0.086	8	5.2	Q2
IPI00220416;	UQCRB	45.9	1.65E-21	0.087	9	15.8	Q2

IPI00183695	S100A10	57.7	5.15E-12	0.088	15	20.2	Q2
IPI00023406	HCCS	23.5	4.02E-32	0.088	4	16.7	Q2
IPI00002966;	HSPA4	55.8	<1.0E-304	0.088	28	41.3	Q2
IPI00873472;	SEC24A	7	3.38E-43	0.089	3	7.8	Q2
IPI00172656	FAF2	16.9	1.10E-55	0.089	4	13.4	Q2
IPI00642211;	RNPEP	17.9	2.90E-63	0.090	9	10.7	Q2
IPI00013031	DUSP14	11.1	2.54E-12	0.090	2	29.5	Q2
IPI00009507;	SYPL1	8.5	8.19E-07	0.090	5	22.2	Q2
IPI00301579	NPC2	36.8	7.98E-78	0.090	16	24.4	Q2
IPI00855940;	XPO7	15.7	2.63E-125	0.091	2	7.0	Q2
IPI00026519;	PPIF	30	6.03E-116	0.091	12	10.9	Q2
IPI00015911;	DLD	24.2	1.43E-285	0.091	8	6.4	Q2
IPI00013485;	RPS2	50.2	3.85E-186	0.092	27	19.0	Q2
IPI00554681;	NDUFA5	16.4	1.63E-11	0.093	3	29.4	Q2
IPI00328913;	VPS28	37.3	3.54E-102	0.093	6	24.2	Q2
IPI00410631;	FAM45A	13.4	5.62E-09	0.094	4	2.0	Q2
IPI00399053;	C3orf60	27.2	5.85E-09	0.094	4	19.1	Q2
IPI00012837;	KIF5B	43	<1.0E-304	0.094	19	13.7	Q2
IPI00016339;	RAB5C	54.2	2.22E-175	0.094	10	61.0	Q2
IPI00024919;	PRDX3	30.9	4.07E-89	0.095	9	9.6	Q2
IPI00470649;	NCLN	18.3	4.02E-69	0.095	9	19.3	Q2
IPI00220487;	ATP5H	78.3	5.66E-142	0.096	8	10.4	Q2
IPI00303318;	FAM49B	29	1.44E-152	0.096	8	5.3	Q2
IPI00909853;	DDT	18.4	1.81E-46	0.096	4	4.2	Q2
IPI00396321	LRRC59	42	<1.0E-304	0.096	15	10.6	Q2
IPI00872668;	NIT2	36.7	2.68E-154	0.097	12	12.8	Q2
IPI00465248;	ENO1	69.8	<1.0E-304	0.097	98	36.8	Q2
IPI00643567	CAP1	9.2	<1.0E-304	0.097	5	20.6	Q2
IPI00014197;	CDV3	14	4.80E-37	0.098	5	14.3	Q2
IPI00246058;	PDCD6IP	42.2	<1.0E-304	0.098	26	7.0	Q2
IPI00171412;	SUMF2	22.5	3.00E-41	0.098	6	125.6	Q2
IPI00478410;	ATP5C1	31.5	1.64E-90	0.098	7	7.1	Q2
IPI00554705;	DCTD	51.9	1.48E-90	0.099	6	10.2	Q2
IPI00293350;	TSNAX	33.4	2.93E-69	0.099	5	16.8	Q2
IPI00011654;	TUBB	73.4	<1.0E-304	0.099	171	22.6	Q2

IPI00297084;	DDOST	28.7	1.40E-112	0.099	14	8.7	Q2
IPI00031615;	LLPH	29.5	2.13E-17	0.100	2	21.9	Q2
IPI00027175;	SRI	39.9	1.53E-42	0.101	12	17.4	Q2
IPI00014149	TTC35	30.3	1.54E-143	0.101	5	33.8	Q2
IPI00000874;	PRDX1	79.9	7.07E-180	0.101	32	30.6	Q2
IPI00395887;	TMX1	22.5	4.23E-45	0.101	5	5.4	Q2
IPI00305978;	AKR7A2	18.4	3.51E-158	0.101	6	18.1	Q2
IPI00291928;	RAB14	64.2	1.46E-156	0.104	9	46.8	Q2
IPI00018783;	ITPA	32.5	9.41E-56	0.104	2	15.2	Q2
IPI00023006;	ACTC1	4.2	5.11E-170	0.105	13	30.6	Q2
IPI00003443;	IF16	20.3	5.27E-58	0.105	4	10.5	Q2
IPI00098902;	OGDH	25.1	8.02E-210	0.106	10	12.6	Q2
IPI00747764;	KPNA6	11.8	5.38E-32	0.106	3	11.7	Q2
IPI00894340;	2-Sep	34.9	2.43E-192	0.106	12	15.7	Q2
IPI00922855;	TUBGCP2	4.9	4.86E-20	0.107	5	21.3	Q2
IPI00872209;	PPP3CA	18.6	1.44E-64	0.108	14	10.1	Q2
IPI00020984;	CANX	30.8	1.36E-211	0.108	18	13.0	Q2
IPI00028091;	ACTR3	56	9.02E-206	0.108	25	11.6	Q2
IPI00296053;	FH	28.2	4.88E-191	0.108	15	13.1	Q2
IPI00872773;	ERO1L	40	1.63E-212	0.109	19	27.3	Q2
IPI00017160;	VTA1	25.7	2.01E-14	0.109	6	29.5	Q2
IPI00645078;	UBA1	43.3	<1.0E-304	0.110	35	8.7	Q2
IPI00008964;	RAB1B	25.4	3.50E-262	0.110	3	5.0	Q2
IPI00395939;	PITPNB	59	3.11E-122	0.111	18	9.1	Q2
IPI00027180	ZMPSTE24	12.4	3.96E-63	0.112	3	11.6	Q2
IPI00419979;	PAK2	14.1	2.14E-41	0.112	3	3.6	Q2
IPI00909195;	HN1L	36.2	1.37E-111	0.112	9	10.7	Q2
IPI00552277;	UBL4A	28.3	1.44E-16	0.112	3	11.5	Q2
IPI00020567;	ARHGAP1	24.2	6.64E-37	0.112	8	16.3	Q2
IPI00010154;	GDI1	18.8	1.85E-284	0.112	7	15.5	Q2
IPI00015952;	EIF4G2	23.7	2.31E-141	0.112	12	40.0	Q2
IPI00000335	HINT2	24.5	1.34E-54	0.112	3	14.9	Q2
IPI00304267;	NXN	17.5	2.35E-151	0.113	9	8.0	Q2
IPI00444945;	BAX	34.4	1.17E-161	0.114	6	12.6	Q2
IPI00872762;	SUCLG1	22	5.27E-63	0.114	4	12.4	Q2

IPI00332371;	PFKL	11.8	1.09E-179	0.114	5	21.8	Q2
IPI00011919	FADD	9.6	1.00E-02	0.115	4	6.8	Q2
IPI00003949;	UBE2N	57.9	1.49E-111	0.115	12	18.5	Q2
IPI00010207;	UFM1	35.3	5.65E-04	0.116	3	16.5	Q2
IPI00100980;	EHD2	15.1	4.14E-56	0.118	6	10.2	Q2
IPI00719725;	SAPS3	9.1	8.35E-27	0.119	2	35.0	Q2
IPI00010882;	DFFA	17.5	7.42E-15	0.119	4	9.9	Q2
IPI00465170;	NT5DC3	8.4	1.74E-14	0.119	4	14.2	Q2
IPI00411706;	ESD	41.8	1.06E-147	0.119	12	6.0	Q2
IPI00641582;	BAG3	17.2	2.80E-72	0.121	3	10.4	Q2
IPI00028635;	RPN2	20.2	2.37E-198	0.121	22	11.1	Q2
IPI00654605;	MAP7D1	20.2	6.31E-63	0.121	5	30.9	Q2
IPI00329692;	NMT1	20	8.01E-90	0.122	8	28.4	Q2
IPI00002460;	ANXA7	21.3	2.33E-81	0.122	14	61.2	Q2
IPI00413344;	CFL2	37.3	8.10E-127	0.122	4	21.3	Q2
IPI00019495;	DYNLT1	23	2.85E-29	0.123	2	1.2	Q2
IPI00413500;	COMMD4	17.6	9.38E-14	0.123	3	7.0	Q2
IPI00894409;	CPNE1	12	1.15E-06	0.123	2	36.2	Q2
IPI00299063	STIM1	2.9	1.32E-05	0.124	2	0.6	Q2
IPI00029444;	C12orf10	11.7	3.17E-43	0.124	5	10.4	Q2
IPI00640525;	PPGB	9	3.48E-53	0.125	2	27.8	Q2
IPI00021808;	HARS	41.3	6.52E-146	0.125	20	12.9	Q2
IPI00337494;	SLC25A24	26.6	8.36E-69	0.125	16	16.8	Q2
IPI00023510;	RAB5A	24.2	1.45E-89	0.126	4	8.4	Q2
IPI00007611;	ATP5O	70	7.79E-273	0.126	13	15.6	Q2
IPI00022793;	HADHB	28.5	6.97E-86	0.127	13	11.1	Q2
IPI00180675;	TUBA1A	66.1	<1.0E-304	0.127	128	31.9	Q2
IPI00018415;	TM9SF2	6.2	3.61E-56	0.128	3	8.6	Q2
IPI00005966	NDUFA12	11.6	2.44E-03	0.128	4	27.4	Q2
IPI00023001;	FAM162A	24.7	4.95E-69	0.128	7	14.0	Q2
IPI00797738;	COX6B1	23.3	3.93E-08	0.129	11	6.7	Q2
IPI00013219;	ILK	19.5	1.13E-22	0.130	5	10.8	Q2
IPI00924787;	MYD88	7.9	1.31E-05	0.130	3	5.5	Q2
IPI00477355	KIAA1279	4.5	8.59E-04	0.131	2	5.6	Q2
IPI00845319;	EPN3	2.6	9.80E-08	0.131	3	16.2	Q2

IPI00013466;	ASNA1	19.8	1.99E-68	0.131	8	12.9	Q2
IPI00793375;	XPNPEP1	12	4.96E-64	0.132	4	3.2	Q2
IPI00550523;	ATL3	22.7	7.30E-173	0.133	10	9.1	Q2
IPI00401264	ERP44	30	1.25E-62	0.133	12	14.9	Q2
IPI00062120	S100A16	54.4	5.24E-30	0.134	19	21.2	Q2
IPI00028031;	ACADVL	19.5	3.29E-90	0.134	8	21.5	Q2
IPI00166749;	PMPCA	15.4	2.49E-24	0.135	6	22.7	Q2
IPI00026904;	ADSL	11.8	7.09E-19	0.135	3	10.3	Q2
IPI00289499;	ATIC	52	<1.0E-304	0.136	24	9.8	Q2
IPI00170972;	C9orf64	17	2.58E-14	0.136	6	23.2	Q2
IPI00412157;	PPME1	6.6	6.29E-15	0.137	2	16.7	Q2
IPI00020530	ACOT13	15.7	2.43E-26	0.138	3	5.0	Q2
IPI00177008	PGP	27.1	6.30E-42	0.138	4	14.7	Q2
IPI00215919;	ARF5	30	3.83E-127	0.138	5	15.7	Q2
IPI00002525	NENF	26.2	2.55E-32	0.139	3	7.9	Q2
IPI00385267	SRPR	15.5	9.86E-87	0.140	5	27.5	Q2
IPI00465179;	PFKM	12.6	2.17E-70	0.141	4	24.8	Q2
IPI00218343;	TUBA1C	12.2	<1.0E-304	0.141	16	32.5	Q2
IPI00013890;	SFN	67.7	2.31E-284	0.141	25	45.3	Q2
IPI00024775;	RAB7L1	15.8	6.91E-33	0.141	2	44.5	Q2
IPI00297261;	PTPN1	35.9	4.86E-129	0.141	13	16.4	Q2
IPI00015842	RCN1	14.5	7.33E-61	0.142	3	15.3	Q2
IPI00009822;	SRP54	26	1.46E-178	0.143	7	22.1	Q2
IPI00215888;	SRP72	22.7	1.91E-202	0.144	8	8.8	Q2
IPI00903226;	HK1	40.1	<1.0E-304	0.145	29	12.6	Q2
IPI00005751	SPTLC2	13	1.24E-38	0.145	5	18.2	Q2
IPI00749250;	ACTR2	44.1	1.31E-232	0.146	26	11.8	Q2
IPI00473047;	PRKAG1	22.9	3.50E-101	0.146	2	1.7	Q2
IPI00794956;	SCFD1	16.5	3.89E-91	0.147	5	20.2	Q2
IPI00179589;	MTPN	33.8	5.52E-71	0.147	7	34.0	Q2
IPI00011229;	CTSD	36.2	<1.0E-304	0.147	16	63.8	Q2
IPI00914529;	RPL28	32.5	2.68E-27	0.148	24	32.2	Q2
IPI00816044;	C3orf10	46.3	2.72E-08	0.148	11	11.0	Q2
IPI00031522;	HADHA	32	<1.0E-304	0.148	19	7.6	Q2
IPI00103467	ALDH1B1	6.8	4.05E-31	0.148	2	31.9	Q2

IPI00642226;	COMMD6	16	1.88E-11	0.150	2	27.9	Q2
IPI00007102;	C17orf25	26.8	4.83E-151	0.151	13	6.3	Q2
IPI00019376;	SEPT11	15.3	1.97E-33	0.151	7	12.3	Q2
IPI00329633;	TARS	53.1	<1.0E-304	0.152	32	8.5	Q2
IPI00873253;	SEC11A	17.1	9.45E-21	0.154	4	17.3	Q2
IPI00002134;	PSMD5	32.9	2.52E-185	0.154	13	11.3	Q2
IPI00792065;	TOR1AIP1	14.7	5.54E-95	0.157	9	13.5	Q2
IPI00020436;	RAB11B	60.6	4.17E-166	0.157	11	40.1	Q2
IPI00306195;	AKT1S1	7.2	2.25E-05	0.158	2	6.5	Q2
IPI00001883;	SNX9	11.6	3.55E-48	0.158	2	6.5	Q2
IPI00884896;	TXNRD1	21.7	1.29E-108	0.159	12	10.0	Q2
IPI00923582;	SCRN1	17.3	9.70E-52	0.160	7	11.4	Q2
IPI00304417;	IDH3B	10.7	1.81E-30	0.160	4	23.0	Q2
IPI00328846;	FAM83A	5.8	2.06E-14	0.160	2	21.4	Q2
IPI00828150;	SUGT1	29.3	1.67E-99	0.161	9	16.9	Q2
IPI00029737;	ACSL4	14.2	1.24E-75	0.162	2	2.3	Q2
IPI00300341;	TCEB1	48.2	3.42E-42	0.162	9	16.6	Q2
IPI00306516	TIMM44	16.6	1.25E-83	0.162	8	39.8	Q2
IPI00008599;	EBP	16.5	7.53E-21	0.163	3	16.3	Q2
IPI00013860;	HIBADH	28.6	2.73E-128	0.163	7	10.6	Q2
IPI00411426;	VPS26A	37	4.93E-115	0.164	11	15.5	Q2
IPI00465315;	CYCS	39	2.49E-47	0.164	17	10.3	Q2
IPI00913912;	ATXN10	12.2	1.93E-21	0.165	7	12.2	Q2
IPI00215719;	RPL18	45.7	2.43E-86	0.165	26	27.6	Q2
IPI00033025;	SEPT7	26.3	1.41E-196	0.166	14	15.6	Q2
IPI00375676;	FTL	19.9	2.54E-37	0.167	4	3.2	Q2
IPI00007935;	PDLIM5	16.3	3.19E-30	0.167	5	28.8	Q2
IPI00009253;	NAPA	43.1	8.73E-137	0.168	9	26.5	Q2
IPI00298547	PARK7	75.7	1.20E-210	0.168	13	8.7	Q2
IPI00335001;	HYPK	20.6	2.56E-06	0.170	3	12.2	Q2
IPI00023591;	PURA	13.7	4.17E-07	0.170	5	14.7	Q2
IPI00105620;	RRAGA	16.3	3.44E-26	0.170	3	8.7	Q2
IPI00218019;	BSG	16.9	2.75E-62	0.170	6	15.0	Q2
IPI00002412;	PPT1	7.8	5.99E-14	0.171	3	12.3	Q2
IPI00017592	LETM1	16.1	4.40E-88	0.171	10	9.3	Q2

IPI00023640;	PDCD5	67.2	1.61E-62	0.171	15	19.1	Q2
IPI00219675;	RAC1	48.3	1.04E-154	0.172	16	33.3	Q2
IPI00166785;	MMGT1	7.7	3.30E-03	0.172	2	14.5	Q2
IPI00412987;	GMFB	34.4	5.58E-73	0.172	6	4.5	Q2
IPI00554761;	HMGN1	30	1.61E-43	0.173	2	6.8	Q2
IPI00554777;	ASNS	7.7	2.31E-173	0.173	2	28.0	Q2
IPI00028392;	SARG	18.1	1.77E-35	0.174	4	19.4	Q2
IPI00008982;	ALDH18A1	18.1	3.27E-82	0.174	9	25.3	Q2
IPI00443909;	CNPY2	31.3	7.66E-67	0.175	6	10.8	Q2
IPI00004988	MANBAL	14.1	2.23E-02	0.176	2	45.4	Q2
IPI00018600;	OPA3	12.3	8.52E-04	0.177	4	21.7	Q2
IPI00291064;	ZFAND1	9	3.57E-10	0.178	2	8.5	Q2
IPI00218924;	CHP	47.2	4.66E-141	0.178	2	18.2	Q2
IPI00009407	DAD1	35.4	1.82E-29	0.178	8	12.6	Q2
IPI00003479;	MAPK1	40.6	3.08E-51	0.179	14	12.8	Q2
IPI00218782;	CAPZB	46.3	6.55E-208	0.180	24	13.9	Q2
IPI00216088;	CRABP2	35.5	2.38E-26	0.180	6	14.6	Q2
IPI00030877;	SEPT15	12.7	1.46E-15	0.180	2	4.2	Q2
IPI00013895;	S100A11	56.2	2.65E-109	0.180	20	29.8	Q2
IPI00412243	KIAA1609	15.8	2.44E-65	0.181	4	29.3	Q2
IPI00005160;	ARPC1B	43.3	1.02E-103	0.181	16	14.7	Q2
IPI00883896;	LIMA1	41.6	1.65E-302	0.181	38	36.9	Q2
IPI00025277	PDCD6	44	5.53E-47	0.184	8	12.4	Q2
IPI00220373;	IDE	11.7	2.89E-57	0.184	6	10.4	Q2
IPI00002824;	CSRP2	36.8	7.05E-44	0.185	5	16.4	Q2
IPI00002552;	AP1M2	8.7	1.80E-11	0.185	4	13.7	Q2
IPI00004488	ATP6V1F	15.1	6.33E-05	0.186	4	3.5	Q2
IPI00884105;	LAMP1	12.2	2.43E-59	0.186	6	11.8	Q2
IPI00027009;	PACSIN2	10.7	3.46E-20	0.187	2	9.8	Q2
IPI00290043;	ITGA3	11	3.18E-90	0.187	4	43.2	Q2
IPI00844000	KIAA0776	13.1	5.98E-57	0.187	3	7.2	Q2
IPI00472939;	SPCS2	49.8	5.22E-188	0.187	8	9.1	Q2
IPI00328748;	ARMET	32.1	8.45E-94	0.187	14	11.8	Q2
IPI00015944;	EML2	6.6	3.03E-29	0.188	4	8.7	Q2
IPI00910701;	AARS	38.7	<1.0E-304	0.189	21	11.9	Q2

IPI00007691;	TRAPPC4	40.2	2.65E-46	0.189	3	6.8	Q2
IPI00216694;	PLS3	55.7	<1.0E-304	0.190	43	16.3	Q2
IPI00024097;	TES	30.4	1.27E-88	0.191	15	27.7	Q2
IPI00216965;	GOSR2	13.1	4.53E-09	0.193	3	16.8	Q2
IPI00007058;	CORO1B	16.4	8.93E-42	0.193	8	13.8	Q2
IPI00010427	TMEM93	26.4	1.34E-11	0.194	2	47.6	Q2
IPI00029656;	DFNA5	20	5.14E-95	0.195	9	16.4	Q2
IPI00003004;	SLC25A22	11.5	9.56E-13	0.195	3	10.6	Q2
IPI00329331;	UGP2	28.5	1.23E-206	0.195	17	13.0	Q2
IPI00029002;	SFT2D2	6.9	4.40E-05	0.196	2	36.9	Q2
IPI00005657;	PFDN6	53.5	1.77E-44	0.196	9	13.7	Q2
IPI00024920	ATP5D	26.2	2.65E-56	0.198	8	16.4	Q2
IPI00847322;	SOD2	27	3.27E-17	0.198	5	7.4	Q2
IPI00235412;	DNM1L	39.3	<1.0E-304	0.199	22	13.1	Q2
IPI00735181;	UNC45A	22.6	7.21E-181	0.199	4	20.6	Q2
IPI00009268;	ACY1	9.6	9.28E-16	0.199	2	21.0	Q2
IPI00419869;	COX15	5.6	1.24E-21	0.200	2	14.9	Q2
IPI00376005;	EIF5A	60.9	4.05E-198	0.200	25	46.9	Q2
IPI00011770;	NDUFA4	32.1	2.74E-09	0.200	4	31.9	Q2
IPI00307200;	SWAP70	9.7	1.04E-07	0.200	6	9.8	Q2
IPI00219446;	PEBP1	79.7	2.97E-304	0.201	9	8.1	Q2
IPI00031169;	RAB2A	67	1.39E-184	0.201	15	26.6	Q2
IPI00011253;	RPS3	80.7	3.82E-225	0.203	16	35.9	Q2
IPI00007812;	ATP6V1B2	25	1.46E-122	0.203	8	14.4	Q2
IPI00903105;	CIAPIN1	22.1	1.15E-47	0.204	7	4.6	Q2
IPI00177509	TRAPPC5	23.9	2.05E-09	0.205	5	2.1	Q2
IPI00026111;	TMCO1	24.5	3.47E-51	0.206	3	24.7	Q2
IPI00301021;	SSR1	11.9	2.75E-41	0.206	3	3.8	Q2
IPI00384444;	KRT14	81.6	<1.0E-304	0.206	493	84.0	Q2
IPI00008289;	BRCC3	8.2	1.46E-11	0.208	2	10.2	Q2
IPI00011996;	UBE2Z	7.6	1.44E-03	0.208	2	6.1	Q2
IPI00549434;	8-Sep	6.4	7.21E-10	0.208	2	25.2	Q2
IPI00304754;	FERMT1	25.7	2.15E-118	0.208	11	78.2	Q2
IPI00301364;	SKP1	44.2	4.25E-65	0.209	5	8.3	Q2
IPI00384489	AP1B1	13.7	2.12E-198	0.209	6	12.2	Q2

IPI00003515	TRIP11	1.8	2.22E-08	0.209	2	20.6	Q2
IPI00017376;I	SEC23B	13.8	6.08E-105	0.210	8	18.3	Q2
IPI00790743;I	RPL36AL	7.2	2.51E-22	0.210	5	14.7	Q2
IPI00026665;I	QARS	43.8	5.04E-217	0.210	13	9.9	Q2
IPI00784044;I	MCCC2	4.1	1.62E-15	0.210	2	3.5	Q2
IPI00216237;I	RPL36	37.1	4.63E-24	0.210	16	13.4	Q2
IPI00550032;I	RP11-511D14.1-001	53.4	2.54E-80	0.212	18	31.4	Q2
IPI00018931	VPS35	29.9	9.49E-261	0.213	20	17.5	Q2
IPI00004436;I	LSM1	21.8	4.80E-27	0.213	2	14.3	Q2
IPI00024013;I	UBE2D3	12.2	7.61E-10	0.213	6	10.3	Q2
IPI00329036;I	MRPL50	15.2	1.88E-09	0.215	2	9.0	Q2
IPI00000690;I	AIFM1	17.3	5.09E-29	0.216	4	7.3	Q2
IPI00465431	LGALS3	33.6	2.92E-74	0.216	5	24.6	Q2
IPI00514501;I	C1orf57	33.8	8.34E-48	0.218	4	20.1	Q2
IPI00020319;I	BLOC1S1	19.6	4.83E-17	0.219	4	19.2	Q2
IPI00216260;I	TSFM	34.4	2.00E-94	0.219	6	19.4	Q2
IPI00007144;I	RPL26L1	11.7	1.53E-18	0.220	3	3.6	Q2
IPI00853598;I	SEC13	23.1	7.10E-138	0.221	7	18.9	Q2
IPI00216298;I	TXN	48.6	8.53E-43	0.221	12	18.9	Q2
IPI00411356	VPS4A	9.8	9.69E-17	0.221	3	5.2	Q2
IPI00015891	PFDN4	32.8	5.43E-41	0.221	3	15.6	Q2
IPI00923606;I	EPRS	29	<1.0E-304	0.223	3	18.8	Q2
IPI00604590;I	NME1-NME2	71.9	3.14E-195	0.223	39	20.6	Q2
IPI00060031	ARL8A	16.7	2.12E-62	0.225	3	0.9	Q2
IPI00005692	MRPS12	12.3	2.58E-03	0.225	2	2.6	Q2
IPI00020513;I	ZYX	13.3	2.46E-55	0.226	5	15.0	Q2
IPI00020191;I	PTP4A2	18.6	5.44E-09	0.227	5	22.4	Q2
IPI00289082;I	PTPN12	5.4	5.76E-30	0.228	2	16.9	Q2
IPI00221234;I	ALDH7A1	32.3	1.10E-214	0.228	11	16.9	Q2
IPI00647915;I	TAGLN2	71.8	4.77E-269	0.229	49	20.6	Q2
IPI00012011;I	CFL1	89.2	<1.0E-304	0.230	50	21.7	Q2
IPI00465211;I	WDR92	4.4	1.83E-27	0.230	2	2.3	Q2
IPI00017342	RHOG	45	5.19E-155	0.231	8	29.1	Q2
IPI00910977;I	MPST	36	1.51E-144	0.231	10	10.5	Q2
IPI00018434;I	TSG101	18.2	9.04E-32	0.231	8	13.6	Q2

IPI00005050	MRPS14	28.9	1.19E-35	0.231	4	27.3	Q2
IPI00219774;	PRKAR2A	21.5	1.64E-80	0.231	4	8.4	Q2
IPI00019770;	FAU	9	6.49E-11	0.232	9	28.7	Q2
IPI00295851	COPB1	41.9	<1.0E-304	0.233	26	10.7	Q2
IPI00018195;	MAPK3	6.6	2.86E-14	0.234	3	14.7	Q2
IPI00000792;	CRYZ	42.6	9.84E-41	0.234	8	9.6	Q2
IPI00219910;	BLVRB	38.2	1.87E-75	0.235	7	6.9	Q2
IPI00023647;	UBA6	29.4	4.55E-278	0.235	25	26.4	Q2
IPI00217952;	GFPT1	19.2	2.06E-118	0.236	7	17.4	Q2
IPI00003326;	ARL2	23.9	6.90E-33	0.236	3	0.8	Q2
IPI00025252;	PDIA3	61.2	<1.0E-304	0.237	47	19.6	Q2
IPI00219861;	ACP1	38.6	3.71E-91	0.237	5	5.8	Q2
IPI00024551;	C15orf24	19.4	1.65E-06	0.237	4	6.1	Q2
IPI00019899;	SC4MOL	11.3	5.52E-44	0.238	4	4.4	Q2
IPI00027438;	FLOT1	6.1	6.65E-19	0.239	2	21.9	Q2
IPI00019869;	S100A2	54.1	9.02E-141	0.239	44	23.8	Q2
IPI00169383;	PGK1	76.3	<1.0E-304	0.239	57	8.7	Q2
IPI00444937;	TRAPPC2L	13.6	1.07E-06	0.239	2	7.7	Q2
IPI00301561;	TRIP6	6.3	3.73E-04	0.240	2	43.1	Q2
IPI00220827	TMSB10	50	2.60E-20	0.241	5	20.2	Q2
IPI00246975;	GSTM3	16.9	2.15E-29	0.241	3	33.1	Q2
IPI00856049	RPL22L1	19.7	1.15E-09	0.241	2	6.8	Q2
IPI00299086;	SDCBP	26.8	1.43E-126	0.242	10	7.6	Q2
IPI00219077;	LTA4H	44.7	<1.0E-304	0.242	17	11.4	Q2
IPI00024664;	USP5	20.2	2.43E-105	0.242	8	10.9	Q2
IPI00023542;	TMED9	20	2.50E-86	0.244	5	2.8	Q2
IPI00019169;	SH3GL1	22.6	6.39E-94	0.244	7	18.6	Q2
IPI00449197;	GMPR2	14.9	5.73E-11	0.245	2	0.5	Q2
IPI00027350;	PRDX2	35.4	1.39E-144	0.245	13	82.3	Q2
IPI00011285;	CAPN1	33.9	5.06E-140	0.246	24	12.6	Q2
IPI00409635;	FAM62B	11.4	6.49E-87	0.247	2	0.2	Q2
IPI00916111;	MDH1	44.9	3.22E-234	0.247	13	11.5	Q2
IPI00031708;	FAH	5.5	1.18E-11	0.248	2	5.1	Q2
IPI00015972;	COX6C	42.7	3.22E-06	0.248	8	14.7	Q2
IPI00397947;	UBE2V1	22.7	1.12E-34	0.248	17	11.7	Q2

IPI00032409;	ROBLD3	40	1.15E-34	0.248	5	13.0	Q2
IPI00218268;	OPRS1	12.1	4.37E-04	0.250	4	8.6	Q2
IPI00027851;	HEXA	7.2	3.98E-10	0.250	3	29.8	Q2
IPI00008475;	HMGCS1	44.2	<1.0E-304	0.251	28	11.3	Q2
IPI00911046;	MST4	6.2	2.44E-103	0.253	2	3.0	Q2
IPI00019407;	NSDHL	22.8	1.38E-38	0.253	8	26.4	Q2
IPI00873875;	SH3KBP1	3.4	2.17E-22	0.255	2	7.6	Q2
IPI00009737;	RRAGD	6.5	2.64E-09	0.256	3	23.6	Q2
IPI00604777;	DPP9	12.1	3.56E-86	0.257	4	16.0	Q2
IPI00024670;	REEP5	20.6	3.82E-36	0.257	9	47.1	Q2
IPI00004838;	CRK	40.8	9.05E-114	0.257	12	7.5	Q2
IPI00657953;	TRIO	1.9	1.00E-36	0.257	2	1.6	Q2
IPI00219018;	GAPDH	74.6	<1.0E-304	0.257	84	36.1	Q2
IPI00513827;	DKFZp686M24262	11.9	7.59E-08	0.257	4	3.4	Q2
IPI00219365;	MSN	62	<1.0E-304	0.258	51	21.1	Q2
IPI00031023;	FLII	24.5	3.71E-238	0.259	4	20.5	Q2
IPI00028055;	TMED10	32	6.27E-115	0.259	8	21.9	Q2
IPI00783097;	GARS	30.7	<1.0E-304	0.259	22	14.8	Q2
IPI00010706;	GSS	24.5	1.23E-47	0.259	11	21.9	Q2
IPI00643920;	TKT	49.6	<1.0E-304	0.259	47	13.5	Q2
IPI00009634;	SQRDL	48.9	4.28E-179	0.259	24	11.2	Q2
IPI00480056;	RAB4A	37.2	1.70E-67	0.260	6	3.5	Q2
IPI00013808;	ACTN4	74	<1.0E-304	0.260	90	14.7	Q2
IPI00217563;	ITGB1	26.8	9.83E-119	0.261	13	41.2	Q2
IPI00060181;	EFHD2	49.6	7.44E-138	0.262	9	44.0	Q2
IPI00010346;	NLN	9.7	9.76E-29	0.262	2	17.3	Q2
IPI00455153;	NFU1	26	2.06E-27	0.262	5	13.3	Q2
IPI00644969;	KAT	26.3	4.36E-09	0.264	3	4.1	Q2
IPI00220648	PMVK	40.1	4.71E-51	0.264	4	8.2	Q2
IPI00430803	C2orf79	15.7	1.00E-06	0.265	4	13.5	Q2
IPI00031109	NDUFAF2	52.7	9.41E-69	0.265	6	16.5	Q2
IPI00396630;	PRKACA	14	7.72E-54	0.266	3	7.7	Q2
IPI00289876;	STX7	29.5	6.09E-81	0.267	5	6.1	Q2
IPI00643591;	AP1G1	16.6	2.08E-70	0.268	9	22.3	Q2
IPI00220219;	COPB2	34.3	7.53E-275	0.268	16	10.5	Q2

IPI00299402;	PC	25	1.44E-274	0.268	5	11.3	Q2
IPI00023530;	CDK5	13	2.35E-05	0.268	4	11.6	Q2
IPI00909772;	AP2M1	19.8	8.80E-32	0.269	10	16.7	Q2
IPI00746777;	ADH5	35.6	4.96E-212	0.270	20	18.0	Q2
IPI00514619;	C2orf4	35.7	1.25E-104	0.271	9	7.2	Q2
IPI00871870;	ARPC3	46.1	5.45E-81	0.271	11	6.9	Q2
IPI00871890;	PICALM	14.8	4.56E-154	0.271	7	16.2	Q2
IPI00550234;	ARPC5	43.7	7.00E-36	0.272	7	7.0	Q2
IPI00024705;	GIPC1	37.8	1.78E-132	0.272	10	14.7	Q2
IPI00893197;	PPP2R4	17.7	8.32E-48	0.272	5	16.7	Q2
IPI00023939	RABIF	16.3	3.78E-07	0.273	2	4.7	Q2
IPI00003968;	NDUFA9	16.2	4.55E-31	0.273	6	17.0	Q2
IPI00154451;	MMS19	19.6	1.65E-174	0.273	5	13.1	Q2
IPI00005161;	ARPC2	47	7.02E-99	0.275	22	24.3	Q2
IPI00872103;	ASL	8.5	2.05E-13	0.275	4	24.5	Q2
IPI00418262;	ALDOC	14.4	1.02E-276	0.276	8	9.4	Q2
IPI00021785	COX5B	18.6	4.35E-18	0.277	8	14.7	Q2
IPI00922240	ACTB	9.8	<1.0E-304	0.277	11	15.9	Q2
IPI00386516;	KIAA0174	11.3	2.46E-05	0.278	4	9.2	Q2
IPI00298520;	ARCN1	27.9	1.44E-89	0.278	20	20.3	Q2
IPI00414554	ARPC5L	34.6	2.85E-45	0.279	7	4.6	Q2
IPI00021338;	DLAT	15	3.14E-54	0.279	5	14.9	Q2
IPI00218466;	SEC61A1	8.3	1.52E-09	0.279	5	10.8	Q2
IPI00328170;	MOGS	17.4	1.36E-81	0.280	8	10.7	Q2
IPI00023987;	PPCS	22.5	1.71E-18	0.280	7	32.3	Q2
IPI00009302	PLEK2	7.1	4.63E-04	0.281	3	29.4	Q2
IPI00640817;	AK1	37.6	1.62E-70	0.281	12	26.3	Q2
IPI00005969;	CAPZA1	66.4	3.69E-200	0.284	13	15.5	Q2
IPI00000581;	OTUB1	47.4	1.17E-194	0.285	13	8.5	Q2
IPI00893918;	VARS	33.8	<1.0E-304	0.286	3	17.6	Q2
IPI00010896;	CLIC1	79.3	<1.0E-304	0.286	7	20.3	Q2
IPI00784366;	AP2B1	34.8	1.51E-300	0.286	25	8.8	Q2
IPI00655754;	UFD1L	18.4	2.22E-87	0.288	4	16.9	Q2
IPI00020599;	CALR	52.5	3.01E-268	0.288	38	13.2	Q2
IPI00007814;	ATP6V1C1	15.2	6.17E-29	0.289	7	10.3	Q2

IPI00419249;	PSMA3	41.6	7.05E-90	0.290	3	38.9	Q2
IPI00480022;	GOLGA7	38.7	2.70E-30	0.290	3	5.3	Q2
IPI00925052;	ARPC4	31.6	3.52E-30	0.291	20	51.0	Q2
IPI00289758;	CAPN2	35.3	4.69E-300	0.292	27	10.7	Q2
IPI00382452;	CHMP1A	26.5	2.67E-09	0.292	4	16.9	Q2
IPI00328415;	CYB5R3	45.5	6.12E-226	0.293	13	12.5	Q2
IPI00014398;	FHL1	35	6.78E-84	0.293	11	16.3	Q2
IPI00026182;	CAPZA2	31.5	1.31E-73	0.293	7	6.8	Q2
IPI00000877;	HYOU1	34.8	<1.0E-304	0.294	16	14.7	Q2
IPI00479877;	ALDH9A1	23.6	6.05E-121	0.295	9	7.8	Q2
IPI00026964;	UQCRFS1	24.5	5.58E-30	0.297	7	16.9	Q2
IPI00257882;	PEPD	9.1	1.04E-40	0.298	3	5.7	Q2
IPI00218693;	APRT	62.8	1.04E-55	0.298	11	63.7	Q2
IPI00007682	ATP6V1A	32.3	3.58E-176	0.299	11	22.8	Q2
IPI00003348;	GNB2	27.9	1.63E-164	0.300	15	18.3	Q2
IPI00639982;	DYNLT3	10.5	6.99E-14	0.300	3	5.9	Q2
IPI00760715;	CAST	48.1	<1.0E-304	0.301	8	10.3	Q2
IPI00872214;	TBCA	49.3	2.40E-65	0.301	16	12.0	Q2
IPI00011284;	COMT	28.4	2.13E-162	0.301	3	8.0	Q2
IPI00021258;	ARFIP1	15.3	5.39E-22	0.302	4	19.4	Q2
IPI00290279;	ADK	29.8	1.41E-95	0.302	9	10.6	Q2
IPI00005578	EHD4	29.4	9.82E-159	0.303	12	9.7	Q2
IPI00024129;	PPIC	16	1.61E-28	0.304	4	5.2	Q2
IPI00010248;	SPG21	11	1.92E-07	0.304	2	10.0	Q2
IPI00856098;	RRBP1	38.1	<1.0E-304	0.304	5	69.1	Q2
IPI00219452;	ACOT7	43.5	3.05E-204	0.305	21	25.1	Q2
IPI00410214;	BPNT1	37.7	9.04E-237	0.305	12	19.9	Q2
IPI00646304;	PPIB	58.8	7.04E-175	0.306	23	15.1	Q2
IPI00914016;	DCTN4	7.1	4.83E-09	0.306	3	114.4	Q2
IPI00411559;	SMC4	21.8	7.67E-138	0.308	2	6.7	Q2
IPI00063827;	ABHD14B	44.3	3.06E-76	0.309	5	5.3	Q2
IPI00470610;	PYCR2	34.1	1.05E-73	0.310	6	16.9	Q2
IPI00654744;	SYNGR2	13.8	1.66E-11	0.310	3	43.3	Q2
IPI00221232;	GNG12	76.4	1.36E-51	0.312	12	21.5	Q2
IPI00177728;	CNDP2	52.2	<1.0E-304	0.312	23	15.9	Q2

IPI00872862;	C1orf151	9	3.51E-03	0.313	2	13.2	Q2
IPI00784614;	Ov/Br septin	33.4	5.81E-240	0.314	16	22.6	Q2
IPI00411705;	CLLD6	18.4	1.27E-09	0.314	3	16.6	Q2
IPI00022334	OAT	42.6	4.55E-216	0.315	22	19.9	Q2
IPI00411680;	PCMT1	52.6	4.68E-220	0.315	6	10.9	Q2
IPI00513761;	RP3	28.2	1.06E-108	0.315	5	16.3	Q2
IPI00009946;	TOMM34	31.1	1.80E-86	0.316	9	7.3	Q2
IPI00000051	PFDN1	37.7	4.06E-19	0.316	9	10.3	Q2
IPI00739827;	LAMP2	9	3.25E-08	0.316	2	7.8	Q2
IPI00004669;	GALNT2	8.1	4.57E-25	0.316	4	8.2	Q2
IPI00169400;	MRPS5	10	1.96E-17	0.317	2	39.3	Q2
IPI00013004;	PDXK	22.1	2.13E-88	0.318	6	22.0	Q2
IPI00926648;	APEH	13.4	3.97E-69	0.319	8	11.5	Q2
IPI00798102;	VPS29	23.5	6.06E-47	0.320	14	18.0	Q2
IPI00179473;	SQSTM1	7.5	5.12E-52	0.321	2	11.5	Q2
IPI00220271;	AKR1A1	58.5	6.07E-241	0.322	21	11.7	Q2
IPI00783313;	PYGL	40.9	<1.0E-304	0.322	30	10.1	Q2
IPI00032140;	SERPINH1	55.5	<1.0E-304	0.323	25	11.2	Q2
IPI00021831;	PRKAR1A	19.2	4.51E-98	0.323	7	50.0	Q2
IPI00220835	SEC61B	21.9	4.19E-05	0.323	4	36.8	Q2
IPI00292657;	PTGR1	18.2	6.72E-10	0.329	6	46.1	Q2
IPI00023555;	OSBPL3	6.2	2.53E-88	0.329	2	19.4	Q2
IPI00784414;	STAT3	15.1	9.58E-62	0.331	4	7.9	Q2
IPI00022228;	HDLBP	39.1	<1.0E-304	0.331	5	15.5	Q2
IPI00442073;	CSRP1	55.4	1.29E-128	0.333	14	28.8	Q2
IPI00293564;	HMGCL	27.4	4.42E-108	0.333	4	17.4	Q2
IPI00014898;	PLEC1	68.9	<1.0E-304	0.333	31	51.5	Q2
IPI00011302	CD59	25	3.46E-27	0.333	9	19.4	Q2
IPI00152599	OTUD6A	2.8	1.60E-03	0.334	2	3.5	Q2
IPI00759776;	ACTN1	51.1	<1.0E-304	0.334	64	11.1	Q2
IPI00456925;	DBNL	38.6	5.59E-94	0.335	13	8.6	Q2
IPI00219034	NDUFA8	51.2	6.38E-63	0.336	2	19.3	Q2
IPI00874047;	MRPS36	44.7	7.57E-22	0.336	4	20.9	Q2
IPI00008164	PREP	28.5	<1.0E-304	0.337	9	17.3	Q2
IPI00021129;	AP3B1	26.1	2.40E-128	0.338	11	16.9	Q2

IPI00796333;	ALDOA	66.5	<1.0E-304	0.338	48	17.4	Q2
IPI00514234;	LAD1	25.7	6.66E-169	0.338	20	36.1	Q2
IPI00033600;	PPP1R7	25.6	2.06E-109	0.339	8	7.5	Q2
IPI00002149;	SAR1B	23.2	5.38E-38	0.341	3	9.0	Q2
IPI00328715	MTDH	9.3	9.97E-36	0.342	2	33.8	Q2
IPI00790757;	DUSP3	26.7	1.81E-65	0.343	11	8.6	Q2
IPI00293276	MIF	23.5	2.09E-17	0.343	17	11.5	Q2
IPI00216048;	PITPNA	28.5	6.15E-24	0.344	5	13.4	Q2
IPI00007321;	LYPLA1	17.5	3.42E-49	0.344	4	7.5	Q2
IPI00021347;	UBE2L3	47.4	1.23E-173	0.345	5	10.3	Q2
IPI00398708;	KLC1	18.3	4.65E-34	0.345	5	7.7	Q2
IPI00647885;	GSTM1	28.7	2.39E-49	0.346	7	27.5	Q2
IPI00033022;	DNM2	20.2	9.65E-74	0.347	11	17.0	Q2
IPI00873410;	CNN3	28.5	6.81E-84	0.347	14	28.3	Q2
IPI00056357	C19orf10	37	6.53E-49	0.347	12	21.1	Q2
IPI00439948;	PPP1R13L	24.5	2.02E-110	0.347	5	17.1	Q2
IPI00027443;	DKFZp686F1612	13.6	7.83E-46	0.347	5	23.7	Q2
IPI00007166	IER3IP1	9.8	1.68E-02	0.347	2	12.0	Q2
IPI00003128;	P4HA2	11.6	8.69E-33	0.348	6	120.6	Q2
IPI00748145;	GNAI2	49	1.43E-188	0.351	17	19.4	Q2
IPI00294472;	TMED5	21.4	1.82E-36	0.351	5	9.5	Q2
IPI00555902;	OCIAD2	63	2.06E-53	0.352	13	9.9	Q2
IPI00644127;	IARS	39	<1.0E-304	0.352	3	14.7	Q2
IPI00871693;	VAMP3	52	2.46E-139	0.353	16	25.3	Q2
IPI00329801;	ANXA5	81.9	<1.0E-304	0.354	32	8.3	Q2
IPI00872929;	APOBEC3C	32.8	2.45E-77	0.354	4	9.0	Q2
IPI00020944;	FDFT1	41	1.63E-204	0.354	15	9.0	Q2
IPI00302605;	SLC30A7	12.5	2.25E-26	0.355	3	15.0	Q2
IPI00908469	TUBB6	33	<1.0E-304	0.355	21	14.5	Q2
IPI00022664	RABGGTA	3.7	3.80E-10	0.356	2	16.5	Q2
IPI00654820;	MT-ATP6	6.8	3.38E-04	0.357	2	1.0	Q2
IPI00872533;	CD2AP	8.5	1.73E-14	0.357	3	83.9	Q2
IPI00008483;	MAOA	4	1.09E-12	0.358	4	6.3	Q2
IPI00027240;	GNG5	47.1	3.25E-11	0.358	5	21.4	Q2
IPI00299571;	PDIA6	44.5	<1.0E-304	0.359	24	12.1	Q2

IPI00021466;	PAIP1	10.2	4.78E-34	0.360	4	9.6	Q2
IPI00238209	NUDCD3	6.9	1.18E-42	0.360	2	2.3	Q2
IPI00410162;	TCEB2	43.5	1.42E-56	0.361	20	19.5	Q2
IPI00219685;	NDUFA13	15.9	3.18E-09	0.361	4	9.2	Q2
IPI00009247;	MP68	25.3	7.19E-02	0.361	4	20.1	Q2
IPI00011592;	DYNC1LI2	20.3	5.20E-174	0.363	8	15.3	Q2
IPI00180240;	TMSL3	31.8	1.12E-24	0.363	2	4.1	Q2
IPI00297475;	DPM3	13.1	3.90E-05	0.363	2	12.0	Q2
IPI00023598;	TUBB4	9.7	<1.0E-304	0.364	9	11.7	Q2
IPI00473014;	DSTN	50.3	1.24E-90	0.365	21	19.8	Q2
IPI00000070;	LDLR	21.5	6.24E-160	0.366	8	14.5	Q2
IPI00646015;	ACOT9	28.8	7.47E-79	0.367	11	24.3	Q2
IPI00924788;	AADACL1	12.5	1.49E-30	0.368	3	33.8	Q2
IPI00029629	TRIM25	21.7	7.30E-143	0.370	12	13.3	Q2
IPI00438170;	SNX12	34.3	3.37E-37	0.371	6	10.3	Q2
IPI00376344;	MYO1B	39.3	<1.0E-304	0.371	28	11.5	Q2
IPI00017510	MT-CO2	35.2	1.19E-101	0.371	5	10.3	Q2
IPI00219953;	CMPK1	40.8	5.91E-97	0.371	9	14.2	Q2
IPI00031583;	USO1	19.6	3.10E-157	0.371	10	17.6	Q2
IPI00927658;	RPL32	47.7	2.94E-74	0.372	12	23.0	Q2
IPI00029468;	ACTR1A	51.1	<1.0E-304	0.372	16	8.8	Q2
IPI00031616;	C17orf37	13.6	8.77E-07	0.372	3	11.7	Q2
IPI00218733;	SOD1	59.1	9.66E-100	0.373	5	16.9	Q2
IPI00874235;	ERGIC1	14.8	4.70E-14	0.373	5	7.8	Q2
IPI00026268;	GNB1	13.5	2.46E-184	0.373	6	10.2	Q2
IPI00030116;	PGM3	8.9	7.12E-12	0.374	7	15.2	Q2
IPI00304577;	AP2A1	23.1	4.48E-218	0.375	16	16.0	Q2
IPI00005737;	SURF4	18.6	1.24E-54	0.375	4	7.1	Q2
IPI00220503;	DCTN2	44.8	<1.0E-304	0.375	15	14.6	Q2
IPI00925804;	AIP	10.9	2.28E-17	0.376	3	28.1	Q2
IPI00004324;	TRAPPC3	36.1	1.75E-38	0.376	5	9.7	Q2
IPI00025156;	STUB1	31	5.12E-33	0.376	6	9.9	Q2
IPI00006663;	ALDH2	8.7	4.12E-10	0.377	7	48.2	Q2
IPI00006957;	DHRS7	16.8	1.04E-29	0.377	5	9.5	Q2
IPI00217766;	SCARB2	9.6	3.57E-07	0.378	3	16.2	Q2

IPI00060715;	KCTD12	31.1	3.17E-84	0.378	10	8.8	Q2
IPI00019385;	SSR4	34.2	1.20E-76	0.378	6	18.4	Q2
IPI00031420	UGDH	21.7	4.05E-81	0.378	5	5.7	Q2
IPI00887678;	PPIA	52.9	<1.0E-304	0.382	48	16.5	Q2
IPI00020887;	VAMP7	18.6	6.96E-11	0.383	4	2.6	Q2
IPI00020965;	UBE2H	26.8	1.10E-27	0.383	2	2.4	Q2
IPI00032830;	REXO2	27.8	4.80E-25	0.383	5	7.5	Q2
IPI00644231;	CYFIP1	26	8.54E-223	0.383	4	23.6	Q2
IPI00030911;	VAMP8	53	9.88E-76	0.385	12	41.5	Q2
IPI00002535	FKBP2	19	7.78E-30	0.385	4	4.9	Q2
IPI00021263;	YWHAZ	62.9	<1.0E-304	0.385	11	23.3	Q2
IPI00789155;	CALU	41.5	9.16E-130	0.386	13	16.5	Q2
IPI00298851	CD151	9.9	7.41E-04	0.388	3	18.4	Q2
IPI00221327;	RTCD1	9	2.16E-20	0.388	5	14.9	Q2
IPI00852741;	SEC31A	20.4	3.56E-77	0.388	9	14.2	Q2
IPI00477118;	TMEM214	7.1	5.52E-49	0.388	4	11.3	Q2
IPI00022774;	VCP	57.2	<1.0E-304	0.390	60	18.4	Q2
IPI00550682;	GRHPR	34.6	6.37E-163	0.391	8	4.0	Q2
IPI00029834;	RTKN	9.4	2.43E-53	0.391	5	8.4	Q2
IPI00183274;	SNX1	20.3	8.22E-49	0.392	5	11.7	Q2
IPI00872430;	RPS8	55.8	9.10E-173	0.393	14	21.5	Q2
IPI00008215	ME1	11.2	6.49E-26	0.395	2	19.3	Q2
IPI00006865	SEC22B	45.1	7.00E-169	0.397	15	19.3	Q2
IPI00002926;	VPS37B	34.7	1.46E-150	0.399	5	16.8	Q2
IPI00299468;	SCD	10.3	2.43E-26	0.401	2	9.4	Q2
IPI00010402;	SH3BGRL3	14.6	8.98E-34	0.401	4	14.6	Q2
IPI00298111;	SNX6	11.5	7.34E-34	0.401	5	12.2	Q2
IPI00017375;	SEC23A	20.8	3.48E-203	0.402	10	9.3	Q2
IPI00014361;	TSTA3	25.2	8.48E-30	0.403	6	9.0	Q2
IPI00878611;	RANBP1	25.4	6.33E-51	0.403	3	2.5	Q2
IPI00794543;	CALM1	59.9	1.26E-255	0.403	20	31.1	Q2
IPI00018314;	SEC14L2	22.1	1.82E-25	0.407	7	6.9	Q2
IPI00856116;	PALLD	8.8	5.37E-61	0.407	4	31.5	Q2
IPI00396967;	FHL2	33.7	9.64E-121	0.408	12	11.5	Q2
IPI00006176;	HGS	15.8	2.00E-60	0.408	2	26.2	Q2

IPI00032459;	AP3M1	16.3	3.28E-72	0.408	2	6.4	Q2
IPI00024661;	SEC24C	20.1	2.06E-160	0.408	6	9.3	Q2
IPI00329742;	FAHD2A	14	1.58E-38	0.410	2	9.0	Q2
IPI00219526;	PGM1	20.6	7.81E-44	0.410	11	27.7	Q2
IPI00419237;	LAP3	41	1.77E-179	0.410	19	9.1	Q2
IPI00011619;	PAPSS1	14.9	3.00E-62	0.412	4	34.0	Q2
IPI00743335;	MYO1C	37.1	<1.0E-304	0.412	14	10.9	Q2
IPI00418446	ASAH1	11.7	1.02E-09	0.413	5	72.3	Q2
IPI00554521;	FTH1	46.4	8.78E-49	0.415	13	44.3	Q2
IPI00220642;	YWHAG	51	9.32E-174	0.416	3	13.3	Q2
IPI00927606;	GPX1	73.9	5.74E-175	0.417	8	8.2	Q2
IPI00295400;	WARS	32.5	3.21E-281	0.420	14	8.4	Q2
IPI00291419	ACAT2	38	2.31E-264	0.424	17	11.2	Q2
IPI00017704	COTL1	40.8	9.69E-15	0.424	24	24.4	Q2
IPI00433279;	SLFN5	14.3	7.72E-95	0.424	5	9.2	Q2
IPI00783736;	PTMS	16.4	1.84E-12	0.425	4	5.9	Q2
IPI00877662;	RAB13	12.5	2.79E-56	0.426	3	5.3	Q2
IPI00783982;	COPG	37.8	<1.0E-304	0.428	23	20.7	Q2
IPI00013723;	PIN1	39.9	6.32E-125	0.429	3	16.9	Q2
IPI00027014;	DCTN3	36	1.15E-17	0.429	9	9.1	Q2
IPI00016670	C11orf59	46	1.08E-97	0.430	4	9.0	Q2
IPI00024067;	CLTC	50.3	<1.0E-304	0.431	43	15.3	Q2
IPI00855767;	RAP1GDS1	15.1	6.29E-155	0.431	6	16.4	Q2
IPI00140420;	SND1	51.1	<1.0E-304	0.431	37	8.1	Q2
IPI00215918;	ARF4	38.9	5.60E-152	0.432	12	23.2	Q2
IPI00010414	PDLIM1	82.4	<1.0E-304	0.436	36	32.8	Q2
IPI00171701	ORMDL2	21.6	2.76E-30	0.439	7	30.9	Q2
IPI00333143;	DGKA	23.5	4.49E-220	0.440	10	11.4	Q2
IPI00394668;	ADAR	6.5	2.09E-88	0.441	3	19.6	Q2
IPI00176903;	PTRF	22.3	6.86E-246	0.441	23	22.9	Q2
IPI00294159;	SLC25A1	28.9	1.23E-48	0.443	9	9.1	Q2
IPI00018963;	PARVA	5.9	2.79E-34	0.443	2	5.8	Q2
IPI00009236;	CAV1	64.6	1.17E-143	0.443	24	25.8	Q2
IPI00019912;	HSD17B4	20.1	1.15E-109	0.444	12	20.5	Q2
IPI00413641;	AKR1B1	21.5	6.92E-11	0.444	5	8.9	Q2

IPI00167030	KRTCAP2	10.5	9.50E-11	0.445	3	18.4	Q2
IPI00009904;	PDIA4	47.6	<1.0E-304	0.445	28	15.5	Q2
IPI00010796;	P4HB	56.5	6.12E-209	0.446	49	17.7	Q2
IPI00027444;	SERPINB1	48.3	4.28E-202	0.450	30	15.9	Q2
IPI00027223;	IDH1	44.2	1.10E-236	0.452	21	14.6	Q2
IPI00005948;	MRI1	10.6	1.05E-14	0.452	3	21.5	Q2
IPI00871585;	BID	25.3	3.40E-42	0.454	3	5.8	Q2
IPI00009885;	FKBP11	11.9	8.93E-09	0.456	5	4.8	Q2
IPI00604523;	MYL12B	49.7	5.34E-126	0.456	19	4.1	Q2
IPI00032851;	COPZ1	30.5	2.76E-119	0.457	6	10.2	Q2
IPI00413293;	TOR1A	6	3.62E-06	0.457	3	9.5	Q2
IPI00747849;	ATP1B1	12.5	1.21E-25	0.459	4	22.6	Q2
IPI00301489;	UROD	10.1	1.19E-10	0.459	2	7.3	Q2
IPI00012451;	GNB4	8.8	2.83E-56	0.461	3	28.1	Q2
IPI00215997;	CD9	4.4	5.86E-10	0.461	6	41.7	Q2
IPI00296191;	ATP6V1H	10.8	2.07E-67	0.464	3	18.9	Q2
IPI00008569;	YKT6	53.5	1.05E-111	0.465	7	17.3	Q2
IPI00290337	EPS8	1.3	8.80E-02	0.466	13	46.7	Q2
IPI00216691;	PFN1	90	9.26E-275	0.466	57	22.7	Q2
IPI00413451;	DKFZp686I04222	37.4	2.37E-109	0.469	11	22.3	Q2
IPI00025974;	CHMP4B	32.6	9.90E-54	0.469	4	21.3	Q2
IPI00021766;	RTN4	8	1.63E-70	0.470	15	48.7	Q2
IPI00007052	FIS1	34.2	2.68E-64	0.470	4	26.4	Q2
IPI00022745;	MVD	20.8	1.56E-80	0.476	5	23.5	Q2
IPI00020124;	PI4K2A	16.5	1.41E-24	0.477	9	17.9	Q2
IPI00291238;	FBLIM1	22.5	6.79E-99	0.478	8	101.2	Q2
IPI00746004;	RPS27L	13.1	7.06E-16	0.481	3	33.1	Q2
IPI00220031;	PXN	15	9.87E-108	0.483	11	36.5	Q2
IPI00922223;	ATP6V0D1	16.8	2.97E-49	0.484	6	20.0	Q2
IPI00815770;	SNX3	46.3	1.82E-27	0.484	10	6.5	Q2
IPI00307547	C9orf46	27.2	3.10E-15	0.486	7	21.7	Q2
IPI00005741;	MAPK13	9	1.84E-13	0.486	2	4.6	Q2
IPI00008351;	SELT	11.8	4.83E-06	0.486	2	33.8	Q2
IPI00026952	PKP3	42.9	<1.0E-304	0.486	21	24.4	Q2
IPI00026328	TXNDC12	26.2	2.78E-69	0.487	2	52.7	Q2

IPI00216008;	G6PD	41.7	1.60E-144	0.487	28	25.9	Q2
IPI00329441;	RAB43	30.2	6.40E-30	0.488	6	20.6	Q2
IPI00796366;	MYL6	45	1.30E-182	0.488	36	22.9	Q2
IPI00328161;	FKBP8	5.4	3.83E-15	0.489	3	17.8	Q2
IPI00515106;	GUK1	19.1	6.10E-19	0.490	3	14.7	Q2
IPI00003096	IL1A	31	1.92E-166	0.490	6	5.1	Q2
IPI00216225;	ITGA6	26.5	9.43E-219	0.492	12	63.4	Q2
IPI00027230;	HSP90B1	59.7	<1.0E-304	0.493	69	12.5	Q2
IPI00295741;	CTSB	25.4	6.00E-103	0.496	11	27.0	Q2
IPI00296635	GBE1	8.3	3.08E-10	0.497	3	21.1	Q2
IPI00024307	EFNB1	14.2	6.51E-58	0.502	9	28.1	Q3
IPI00299977;	PHPT1	46.4	2.94E-96	0.504	4	22.2	Q3
IPI00156689;	VAT1	26.2	3.04E-169	0.506	12	12.2	Q3
IPI00019971;	STXBP2	11.4	1.20E-23	0.507	3	16.2	Q3
IPI00306353	DUSP23	38.7	4.33E-40	0.508	7	13.8	Q3
IPI00382843;	PRNP	14.7	9.90E-40	0.509	5	27.8	Q3
IPI00513853;	STX12	16.7	9.32E-54	0.509	4	10.2	Q3
IPI00183603;	OSTC	18.1	7.20E-21	0.510	6	10.2	Q3
IPI00816474;	FAM127A	14.2	2.40E-02	0.511	2	9.7	Q3
IPI00299193	SYNJ2BP	37.2	1.41E-12	0.512	6	16.1	Q3
IPI00012828;	ACAA1	21	3.69E-110	0.512	7	6.0	Q3
IPI00874185;	HIBCH	9.9	9.47E-26	0.513	3	18.7	Q3
IPI00025285;	ATP6V1G1	41.5	1.83E-54	0.513	5	11.6	Q3
IPI00000138;	MGAT1	8.5	8.90E-05	0.514	2	25.2	Q3
IPI00384047;	TRAPPC6B	15.2	4.33E-02	0.515	3	19.6	Q3
IPI00026105;	SCP2	17.6	2.21E-62	0.516	19	59.3	Q3
IPI00299404;	LAMB3	47.3	<1.0E-304	0.520	20	90.5	Q3
IPI00744015;	DYNC1I2	9.2	1.91E-57	0.521	3	3.5	Q3
IPI00027251;	STK38	6.9	6.01E-04	0.521	3	19.9	Q3
IPI00294158;	BLVRA	40.5	2.17E-80	0.521	10	10.4	Q3
IPI00747533;	PGD	40.7	<1.0E-304	0.521	33	25.2	Q3
IPI00100154;	TOLLIP	25.2	1.45E-37	0.525	7	76.2	Q3
IPI00024915;	PRDX5	55.6	3.38E-248	0.526	12	22.0	Q3
IPI00910593;	CNN2	50.3	9.31E-187	0.527	24	20.0	Q3
IPI00294501	DHCR7	16.6	7.47E-49	0.529	8	24.8	Q3

IPI00002441;	SDC1	18.1	1.20E-46	0.534	8	25.9	Q3
IPI00465132;	COPE	58.8	<1.0E-304	0.536	18	12.0	Q3
IPI00219840;	AP2S1	16.9	9.11E-05	0.537	9	4.6	Q3
IPI00333541;	FLNA	58.3	<1.0E-304	0.538	26	22.3	Q3
IPI00550917;	TWF2	46.1	4.33E-129	0.542	13	16.9	Q3
IPI00243221;	NRD1	18.8	8.64E-137	0.543	2	18.5	Q3
IPI00902584;	VASP	30.1	1.39E-67	0.546	9	15.3	Q3
IPI00010182;	DBI	51.7	2.73E-11	0.547	7	37.6	Q3
IPI00306604	ITGA5	10.5	5.89E-126	0.547	3	5.6	Q3
IPI00307162;	VCL	59.7	<1.0E-304	0.548	44	14.1	Q3
IPI00022824;	SH3GLB1	19.7	3.54E-50	0.549	7	25.7	Q3
IPI00396171;	MAP4	42.9	3.87E-278	0.551	6	21.6	Q3
IPI00020008;	NEDD8	28.4	1.73E-22	0.552	8	17.0	Q3
IPI00003362;	HSPA5	53.4	<1.0E-304	0.552	93	26.6	Q3
IPI00152898;	AP1S1	36.7	1.13E-70	0.556	7	16.3	Q3
IPI00032134;	SERPINB8	20.1	1.98E-61	0.558	6	13.7	Q3
IPI00032498;	DCTN5	20.9	3.19E-24	0.561	2	20.0	Q3
IPI00014624	AP3S1	18.1	1.22E-69	0.562	8	6.4	Q3
IPI00043598	IKIP	8.5	7.68E-39	0.562	2	3.5	Q3
IPI00257508;	DPYSL2	26.6	6.22E-173	0.564	11	27.8	Q3
IPI00023191;	TOM1	5.8	7.47E-36	0.565	2	35.1	Q3
IPI00165949;	ERAP1	7	2.94E-58	0.567	2	18.4	Q3
IPI00026627	RP2	5.1	9.86E-04	0.567	3	13.8	Q3
IPI00025463;	PHLDA1	2.2	6.43E-04	0.569	2	28.4	Q3
IPI00006713;	DNAJC3	19	3.03E-62	0.570	9	14.3	Q3
IPI00022020	INPP4B	3.5	2.41E-26	0.573	2	15.9	Q3
IPI00793199;	ANXA4	61.1	4.33E-267	0.573	21	8.7	Q3
IPI00004358;	PYGB	60.3	<1.0E-304	0.580	55	16.4	Q3
IPI00030059;	GNG10	26.5	7.06E-13	0.580	2	0.8	Q3
IPI00003482;	DECR1	37.3	3.12E-97	0.584	6	15.6	Q3
IPI00020672;	DPP3	23.6	5.22E-137	0.588	9	9.9	Q3
IPI00643342;	PEA15	27.8	2.53E-09	0.589	7	13.4	Q3
IPI00434390;	ASCC1	7.7	7.75E-15	0.590	2	38.5	Q3
IPI00299024;	BASP1	33.5	9.29E-39	0.592	5	11.9	Q3
IPI00375746;	GBP6	2.8	6.11E-29	0.595	2	12.9	Q3

IPI00019502;	MYH9	65.7	<1.0E-304	0.599	45	18.8	Q3
IPI00299465;	LZTFL1	6.7	5.38E-05	0.602	2	18.3	Q3
IPI00027422;	ITGB4	29.4	<1.0E-304	0.605	9	12.2	Q3
IPI00440703;	GSTK1	29.8	4.08E-113	0.605	4	2.8	Q3
IPI00000861;	LASP1	52.1	2.91E-72	0.607	23	49.3	Q3
IPI00872295;	ANXA8	48.9	<1.0E-304	0.611	24	9.8	Q3
IPI00030782;	STAT6	6.3	2.17E-39	0.613	3	8.0	Q3
IPI00414315;	EPS8L2	6.6	6.33E-83	0.618	3	3.1	Q3
IPI00005585	TAX1BP3	35.5	1.44E-72	0.622	9	36.1	Q3
IPI00141318;	CKAP4	44.2	2.19E-262	0.622	21	17.5	Q3
IPI00465436	CAT	8.7	1.84E-21	0.629	3	22.5	Q3
IPI00746655;	FAM62A	32.9	<1.0E-304	0.632	21	12.7	Q3
IPI00878256;	RBMS2	6.2	2.50E-22	0.641	2	22.9	Q3
IPI00639812;	MGST3	16.9	1.34E-65	0.643	2	8.8	Q3
IPI00305064;	CD44	8	1.28E-74	0.645	12	29.7	Q3
IPI00168036;	TMEM40	17.3	2.59E-54	0.646	3	40.1	Q3
IPI00221231	NUDT2	37.4	1.94E-26	0.647	2	3.8	Q3
IPI00328753;	KTN1	22.8	2.00E-182	0.651	3	19.5	Q3
IPI00027032;	LYPLA2	29.4	5.46E-48	0.654	4	6.7	Q3
IPI00375552;	ANTXR2	3.1	1.91E-05	0.659	2	18.0	Q3
IPI00900293	FLNB	62.1	<1.0E-304	0.660	70	21.4	Q3
IPI00021290;	ACLY	49	<1.0E-304	0.660	49	17.3	Q3
IPI00418169;	DKFZp686P03159	74.2	<1.0E-304	0.661	185	26.2	Q3
IPI00796379;	B2M	21.3	3.37E-11	0.668	6	33.9	Q3
IPI00003565;	PSMD10	16.4	6.48E-13	0.675	7	20.5	Q3
IPI00007730;	C14orf1	16.4	8.27E-05	0.676	6	7.4	Q3
IPI00010270;	RAC2	22.9	1.84E-136	0.676	8	13.6	Q3
IPI00029601;	CTTN	27.8	2.01E-212	0.676	11	31.3	Q3
IPI00412497;	DYNLRB1	16.9	2.42E-21	0.678	7	29.9	Q3
IPI00873758;	PIK3C3	6.8	6.83E-12	0.678	2	12.1	Q3
IPI00097495;	TBC1D2	8.3	9.28E-58	0.679	4	26.7	Q3
IPI00219221	LGALS7	57.4	2.27E-119	0.684	18	17.2	Q3
IPI00294619;	TFG	17	1.02E-31	0.687	11	41.8	Q3
IPI00017184;	EHD1	49.8	6.35E-202	0.692	32	15.8	Q3
IPI00644290;	NDRG3	4.9	2.84E-10	0.696	2	4.5	Q3

IPI00009456;	NT5E	26.8	7.55E-130	0.699	12	12.8	Q3
IPI00000783;	PSMB8	30.1	4.01E-63	0.703	6	15.9	Q3
IPI00219825;	PSAP	8.9	1.01E-39	0.704	12	41.2	Q3
IPI00018236	GM2A	22.8	7.63E-07	0.705	5	15.4	Q3
IPI00015117;	LAMC2	47	<1.0E-304	0.711	18	30.3	Q3
IPI00023122;	PDLIM7	16	1.34E-24	0.713	5	9.8	Q3
IPI00019463;	EIF2AK2	18.1	2.12E-56	0.714	11	11.1	Q3
IPI00646689;	TXNDC17	44.7	3.00E-44	0.718	12	26.5	Q3
IPI00032970;	OSBPL11	2.8	1.07E-02	0.719	2	25.3	Q3
IPI00658000;	IGF2BP3	18	2.44E-120	0.720	4	22.0	Q3
IPI00554788;	KRT18	72.3	<1.0E-304	0.729	61	45.5	Q3
IPI00896381;	PIP5K2C	17.8	2.72E-92	0.730	7	3.7	Q3
IPI00295857;	COPA	46.5	<1.0E-304	0.732	9	35.7	Q3
IPI00016179	S100A13	55.1	8.30E-22	0.735	15	39.4	Q3
IPI00005181;	PLSCR1	7.5	6.05E-03	0.736	2	4.4	Q3
IPI00003783;	MAP2K2	5.8	1.67E-30	0.737	2	9.7	Q3
IPI00215998;	CD63	12.6	2.72E-08	0.740	12	13.4	Q3
IPI00002569	EIF4EBP1	25.4	4.89E-12	0.746	3	13.3	Q3
IPI00397366;	PPFIBP1	15.3	2.65E-124	0.746	4	18.8	Q3
IPI00002745;	CTSZ	15.8	8.77E-41	0.772	2	8.2	Q3
IPI00296526;	NAGK	40.3	4.02E-187	0.775	14	14.0	Q3
IPI00007426;	ARL6IP5	24.5	4.59E-12	0.776	4	12.6	Q3
IPI00303882;	M6PRBP1	46.3	<1.0E-304	0.780	20	14.9	Q3
IPI00465261;	ERAP2	13.9	9.47E-73	0.792	8	17.7	Q3
IPI00010348;	DNASE2	3.3	9.19E-13	0.803	2	71.2	Q3
IPI00013683;	TUBB3	18.9	<1.0E-304	0.811	16	55.5	Q3
IPI00914566;	FDPS	20.3	1.83E-83	0.817	12	9.6	Q3
IPI00021399	FGFBP1	24.8	8.14E-37	0.819	3	15.0	Q3
IPI00013744	ITGA2	26.2	1.52E-274	0.834	9	20.4	Q3
IPI00744319;	PRRC1	11.4	3.96E-57	0.838	4	17.9	Q3
IPI00027505;	ITGAV	15.6	1.79E-91	0.839	2	47.2	Q3
IPI00307223;	IL1B	19.3	3.29E-21	0.841	4	27.2	Q3
IPI00413778;	FKBP1A	31	9.52E-66	0.849	10	30.7	Q3
IPI00183786;	FADS2	17.3	6.11E-19	0.851	3	3.2	Q3
IPI00894325;	HLA-A	17	4.56E-94	0.855	6	8.1	Q3

IPI00013475;	TUBB2A	8.1	<1.0E-304	0.856	3	22.6	Q3
IPI00871988;	SFXN3	41.3	1.29E-182	0.857	9	11.6	Q3
IPI00007926;	RCL	30.5	1.04E-36	0.858	5	21.7	Q3
IPI00305010;	CPPED1	7	4.28E-08	0.861	2	10.0	Q3
IPI00065063	DHRS1	10.9	8.71E-39	0.862	2	14.8	Q3
IPI00107555;	PFN2	30.9	4.01E-77	0.864	5	10.3	Q3
IPI00293260;	DNAJC10	10.2	1.39E-95	0.866	4	11.9	Q3
IPI00018744;	TRADD	10.6	8.77E-10	0.867	2	26.5	Q3
IPI00012023	AREG	7.9	4.11E-08	0.885	3	29.7	Q3
IPI00012069;	NQO1	28.1	1.62E-22	0.898	4	9.6	Q3
IPI00016915	IGFBP7	9.2	5.88E-30	0.913	2	11.1	Q3
IPI00027983	CDA	46.6	5.95E-84	0.916	3	9.4	Q3
IPI00220709;	TPM2	26.1	1.05E-121	0.918	6	33.3	Q3
IPI00296353;	ARHGAP18	9.5	1.25E-88	0.926	3	7.9	Q3
IPI00023673;	LGALS3BP	12.8	1.15E-39	0.938	4	19.2	Q3
IPI00021978;	PEX11B	12.7	1.12E-19	0.938	2	8.0	Q3
IPI00056334;	PRKCDBP	44.1	5.99E-111	0.938	11	34.5	Q3
IPI00020418	RRAS	20.6	1.62E-108	0.940	7	267.3	Q3
IPI00217272;	AACS	11.5	1.01E-17	0.949	5	29.8	Q3
IPI00253036;	CD99	5.4	1.78E-07	0.968	3	14.6	Q3
IPI00554648;	KRT8	59.6	<1.0E-304	0.978	78	26.9	Q3
IPI00001699;	PYCARD	54.4	4.45E-108	0.981	4	9.4	Q3
IPI00027463	S100A6	74.4	3.30E-15	1.000	30	16.1	Q3
IPI00012756;	IFIT5	7.7	1.67E-50	1.004	3	26.6	Q3
IPI00894395;	PSMB9	14.2	3.57E-22	1.006	2	2.2	Q3
IPI00877174;	OAS3	20	4.45E-84	1.016	8	11.2	Q3
IPI00026781	FASN	52	<1.0E-304	1.057	25	22.4	Q3
IPI00000105;	MVP	47.7	<1.0E-304	1.080	35	16.5	Q3
IPI00293074;	SLC44A2	3.1	1.52E-02	1.081	3	17.5	Q3
IPI00296099;	THBS1	33.7	3.92E-300	1.108	8	25.1	Q3
IPI00030781;	STAT1	37.6	1.25E-223	1.109	25	15.5	Q3
IPI00010133;	CORO1A	3.9	6.40E-05	1.110	2	4.9	Q3
IPI00651622;	OAS1	2.8	4.67E-26	1.111	2	6.9	Q3
IPI00896498;	MMP14	7.7	1.04E-21	1.119	5	32.1	Q3
IPI00100775;	C11orf67	44.3	7.13E-16	1.139	6	11.2	Q3

IPI00218475;	IFI35	26	3.84E-38	1.143	6	24.2	Q3
IPI00398272;	COL17A1	10	5.44E-61	1.144	24	37.5	Q3
IPI00022348;	PML	5.1	1.52E-11	1.158	4	13.0	Q3
IPI00026314;	GSN	43.6	<1.0E-304	1.168	27	10.5	Q3
IPI00847342;	KRT7	56.1	<1.0E-304	1.181	84	19.1	Q3
IPI00020446;	CD82	9	4.97E-13	1.194	6	50.1	Q3
IPI00005981;	TAGLN3	35.3	6.05E-25	1.224	5	18.1	Q3
IPI00030936	TSPAN1	5.4	4.67E-26	1.249	4	7.5	Q3
IPI00022498;	MT2A	67.2	3.59E-114	1.284	5	35.1	Q3
IPI00303726;	IFITM3	48.9	1.92E-71	1.295	4	13.7	Q3
IPI00220770;	DCTN6	9.5	1.39E-08	1.299	3	5.0	Q3
IPI00032206;	PDLIM4	30.6	2.51E-27	1.308	10	44.7	Q3
IPI00294739;	SAMHD1	6.5	1.74E-57	1.315	2	7.6	Q3
IPI00005682	HSD11B1	14.7	7.34E-07	1.331	3	16.6	Q3
IPI00025318;	SH3BGRL	55.3	9.96E-93	1.361	9	30.7	Q3
IPI00219718;	RBP1	18.8	1.08E-23	1.373	8	26.1	Q3
IPI00789324;	JUP	66.8	<1.0E-304	1.380	77	92.0	Q3
IPI00219219;	LGALS1	71.9	1.10E-255	1.382	37	37.8	Q3
IPI00002459;	ANXA6	50.5	7.25E-281	1.441	18	18.2	Q3
IPI00103373	CYGB	30	4.42E-24	1.457	5	8.5	Q3
IPI00217049;	OAS2	15.4	1.24E-41	1.489	7	22.5	Q3
IPI00024107;	SNCA	32.1	8.85E-13	1.510	2	3.8	Q3
IPI00479145;	KRT19	29.5	<1.0E-304	1.646	25	45.9	Q3
IPI00872692;	QPRT	12.7	5.95E-23	1.647	3	8.6	Q3
IPI00007087;	FBXO2	25	2.00E-55	1.678	5	5.3	Q3
IPI00005996;	HMGA2	41.3	7.24E-94	1.680	6	32.3	Q3
IPI00167949;	MX1	47.3	<1.0E-304	1.716	24	10.2	Q3
IPI00024254	IFIT3	15.1	4.36E-52	1.785	6	25.3	Q3
IPI00328243;	PLD3	8.4	5.66E-24	1.863	3	15.0	Q3
IPI00018300	IFIT1	10.5	3.01E-47	1.877	5	24.1	Q3
IPI00007118;	SERPINE1	14.7	1.61E-27	1.916	6	11.3	Q3
IPI00418471;	VIM	76.4	<1.0E-304	1.946	123	34.6	Q3
IPI00375631	ISG15	41.2	1.43E-88	2.006	12	36.3	Q3
IPI00748788;	MTM1	2.5	1.80E-02	2.075	4	270.0	Q3
IPI00377045;	LAMA3	14	<1.0E-304	2.139	24	41.3	Q3

IPI00032313	S100A4	25.7	1.10E-06	2.284	5	63.5	Q3
IPI00871843;	TGM2	21.6	1.09E-135	2.292	12	40.2	Q3
IPI00914871;	SERPINE2	13.4	2.51E-27	2.588	5	20.5	Q3
IPI00845263;	FN1	13.5	<1.0E-304	2.618	8	26.8	Q3
IPI00001560;	CDKN2A	37.7	9.51E-68	2.716	3	98.2	Q3

Supplementary table 5: Fibroblast phosphorylation site dynamics during cell culture. Phosphopeptides were purified from unlabeled fibroblasts (D1) and compared to phosphopeptides from labeled fibroblasts (D14) using MaxQuant.¹¹ Only sites with a localization probability >0.75 were considered (class I sites).¹² Peptides were identified with a false-discovery rate <1%. For details see experimental section.

Position	Proteins	Gene Names	Localization Prob	Number of Phospho sites (STY)	Amino Acid	PEP	PTM Score	Modified Sequence	Charge	m/z	norm Log2 peptide ratio
4903	IPI00021812;	AHNAK	0.85	1	S	0.119399	51.98	_LSGPS(ph)LKM(ox)PSLEISAPK_	3	617.649	-5.12
788	IPI00375731;	RBM10	1	1	S	0.126598	58.94	_LASDDRPS(ph)PPR_	2	645.796	-4.27
3360	IPI00021812	AHNAK	0.99	1	S	2.54E-10	121.73	_FNFS(ph)GSK_	2	433.676	-3.4
279	IPI00176903;	PTRF	1	1	T	0.0837656	63.85	_LGT(ph)RLVPAER_	2	596.316	-3.36
181	IPI00253036;	CD99	1	1	T	0.00801416	86.822	_NANAEPVQRT(ph)LLEK_	2	867.433	-3.31
5773	IPI00021812;	AHNAK	1	1	S	0.0096245	97.769	_FSLFKS(ph)K_	2	468.733	-3.2
5720	IPI00021812;	AHNAK	1	1	S	0.0719115	72.206	_FNFS(ph)KPK_	2	474.223	-3.14
427	IPI00218694;	CALD1	1	1	S	0.0587974	84.823	_AEFLNKS(ph)VQK_	2	622.308	-3.08
5031	IPI00021812;	AHNAK	1	1	S	0.163614	97.769	_IHM(ox)S(ph)GPK_	2	433.186	-3.05
6	IPI00829992	MYO1C	1	1	S	8.69E-05	108.14	_YRAS(ph)ALGSDGVR_	2	666.309	-3.05
941	IPI00396171;	MAP4	0.99	1	S	0.0295307	120.67	_VGS(ph)TENIK_	2	464.213	-3.02
1445	IPI00021812;	AHNAK	1	1	S	0.0021709	92.163	_M(ox)PEM(ox)S(ph)IKPQK_	2	650.787	-2.95
657	IPI00412650	SVIL	1	1	T	0.0542305	68.459	_FRT(ph)QPITSAER_	2	693.332	-2.8
12	IPI00333770;	DOCK10	1	1	S	0.163803	50	_S(ph)LLRPGQAAELR_	2	695.864	-2.74
1142	IPI00647185;	CEP170	0.99	1	S	7.20E-06	102.36	_LGEAS(ph)DSELADADK_	2	750.809	-2.62
444	IPI00910030;	PLEKHA5	1	1	T	0.032903	74.039	_GVISYQT(ph)LPR_	2	607.302	-2.62
5824	IPI00021812;	AHNAK	1	1	T	3.43E-13	147.5	_FGT(ph)FGGLGSK_	2	525.736	-2.61
231	IPI00001871	PAWR	0.87	1	S	0.186767	50.855	_STTS(ph)VSEEDVSSR_	2	732.299	-2.61
44	IPI00418169;	DKFZp686P03159	1	1	S	5.97E-08	110.18	_LSLEGDHSTPPSAYGS(ph)VK_	3	642.294	-2.59
5863	IPI00021812;	AHNAK	0.9	1	S	1.45E-09	124.18	_SRLS(ph)SSSSNDSGNK_	2	753.315	-2.57
158	IPI00021812	AHNAK	1	1	T	0.0181847	73.06	_RVT(ph)AYTVDVTGR_	2	709.345	-2.51
461	IPI00413100;	PHLDB1	0.99	1	S	0.0265948	78.538	_ELPPLS(ph)PSLSR_	2	638.321	-2.43
181	IPI00216138	TAGLN	1	1	S	0.00045484	124.22	_HVIQLQM(ox)GS(ph)NR_	3	436.536	-2.41
1314	IPI00307545;	TNS1	1	1	S	9.08E-28	171.16	_HLGGSGSVVPGS(ph)PCLDR_	2	887.901	-2.36
4962	IPI00856045;	AHNAK2	1	1	S	0.157762	60.67	_IKLPS(ph)FR_	2	470.754	-2.36
163	IPI00219301	MARCKS	1	2	S	0.0620688	83.047	_S(ph)FKLSGFS(ph)FK_	2	654.277	-2.34

1073	IPI00396171;	MAP4	1	1	S	7.13E-06	105.65	_VGS(ph)LDNVGHLPGGAVK_	3	557.614	-2.33
226	IPI00173549;	SYNPO2	0.88	1	S	0.00423486	93.536	_SKS(ph)PDPDPNLSHDR_	3	548.905	-2.28
697	IPI00647185;	CEP170	0.96	1	S	0.0325543	63.932	_VVTQRS(ph)EIGEKQDTELQEK_	3	766.372	-2.24
1281	IPI00292817	KIAA1462	1	1	S	0.0498288	63.588	_NADS(ph)QEDAEELK_	2	714.78	-2.17
129	IPI00796485	CLASP2	0.88	1	S	0.00815097	73.116	_LGAGALNAGSYAS(ph)LGR_	2	779.375	-2.16
3408	IPI00856045;	AHNAK2	1	1	S	0.00317762	89.162	_VDLKS(ph)PQVDIK_	2	661.342	-2.1
452	IPI00171636;	NAV1	1	1	S	0.0071244	88.268	_RNS(ph)TIVLR_	2	519.776	-2.06
946	IPI00220581;	DLGAP4	1	1	S	0.100622	58.94	_DKAS(ph)DASDKQR_	2	650.78	-2.04
99	IPI00021812;	AHNAK	0.99	1	T	7.79E-10	124.18	_SPEPGQT(ph)WTR_	2	619.764	-2.02
3362	IPI00021812	AHNAK	0.87	1	S	2.54E-10	121.73	_FNFSGS(ph)KVQTEVDVK_	3	621.296	-2.02
765	IPI00856045;	AHNAK2	1	1	S	0.0719115	72.206	_VQRPS(ph)LK_	2	454.242	-2.01
3426	IPI00021812	AHNAK	1	1	S	1.79E-06	113.06	_VSM(ox)PDVELNLKS(ph)PK_	2	826.902	-2
21	IPI00419932	RAB12	1	1	S	0.0163768	66.648	_AGGGGGLGAGS(ph)PALSQQ_	2	832.381	-1.97
839	IPI00872577;	PPP1R12B	0.99	1	S	1.93E-08	115.7	_LES(ph)GGSNPTTSDSYGDR_	2	911.86	-1.96
637	IPI00916402;	AAK1	0.91	1	S	1.22E-07	115.7	_ILS(ph)DVTHSAVFGVPASK_	3	603.305	-1.91
5830	IPI00021812;	AHNAK	1	1	S	3.43E-13	147.5	_FGTFGGLGS(ph)K_	2	525.736	-1.91
234	IPI00173549;	SYNPO2	0.82	1	S	0.00423486	93.536	_SKSPDPDPNLS(ph)HDR_	2	822.854	-1.87
5841	IPI00021812;	AHNAK	0.98	1	S	0.0455317	63.904	_GHYEVTGS(ph)DDETGK_	2	787.804	-1.87
1508	IPI00410666;	SCRIB	1	1	S	0.0582156	96.193	_MKS(ph)LEQDALR_	2	635.797	-1.86
5780	IPI00021812;	AHNAK	1	2	S	0.130392	114.35	_HRS(ph)NS(ph)FSDER_	3	465.501	-1.85
5864	IPI00021812;	AHNAK	0.79	1	S	1.45E-09	124.18	_LSS(ph)SSSNDSGNK_	2	631.748	-1.84
456	IPI00555838;	MARK2	1	1	S	0.00474099	89.162	_VPAS(ph)PLPLGLER_	2	608.31	-1.83
909	IPI00647185;	CEP170	0.83	1	S	1.33E-16	143.81	_S(ph)ESLDPDSSMDTTLILK_	2	966.431	-1.8
1381	IPI00307545;	TNS1	0.96	1	S	0.146049	54.274	_QGS(ph)PTPALPEKR_	3	454.226	-1.73
1374	IPI00307155;	ROCK2	1	1	S	0.0339086	76.318	_IQQNQS(ph)IR_	2	533.756	-1.72
4564	IPI00021812	AHNAK	1	1	T	1.02E-19	155.4	_VGIDT(ph)PDIDIHGPEGK_	3	581.605	-1.72
526	IPI00032936	ERF	1	1	T	0.00576649	92.082	_GEGPGEAGGPLT(ph)PR_	2	687.806	-1.7
5321	IPI00021812;	AHNAK	1	1	S	6.02E-08	124.22	_GDLASVPS(ph)M(ox)K_	2	608.252	-1.7
319	IPI00020513;	ZYX	0.99	1	S	5.40E-05	104.52	_GPPASS(ph)PAPAPK_	2	578.774	-1.68

170	IPI00744702;	FAM125A	1	1	S	2.14E-06	106.79	_DM(ox)QGLS(ph)LDAASQPSK_	2	822.353	-1.68
1393	IPI00307545;	TNS1	1	1	S	1.72E-05	126.79	_RMS(ph)VGDR_	2	450.692	-1.65
143	IPI00337530;	REPS1	0.99	1	S	0.0488029	63.85	_KGS(ph)VSHDTVQPR_	3	464.221	-1.64
680	IPI00514275;	TNIK	1	1	S	0.139938	63.85	_TTSIS(ph)PALAR_	2	548.774	-1.63
1269	IPI00307545;	TNS1	0.87	1	S	0.140787	54.649	_VATTPGS(ph)PSLGR_	2	611.795	-1.63
1583	IPI00856045;	AHNAK2	1	1	S	0.157762	60.67	_VQM(ox)PS(ph)FK_ _YLSPGWGS(ph)AS(ph)EEEEPSR	2	466.701	-1.62
58	IPI00414661;	LARP6	1	2	S	0.0406926	59.887	_YLSPGWGS(ph)AS(ph)EEEEPSR	2	956.364	-1.6
56	IPI00414661;	LARP6	1	2	S	0.0406926	59.887		2	956.364	-1.6
564	IPI00061280;	MTMR12	1	1	S	0.168309	54.274	_QLS(ph)LPLTQSK_	2	597.81	-1.57
268	IPI00182540;	CTNND1	0.5	1	S	0.00485455	133.79	_VGGS(ph)SVDLHR_	2	553.753	-1.56
346	IPI00290292;	RHBDF1	0.92	1	S	0.00081819	93.536	_LRQEVVS(ph)TAGPR_	2	696.853	-1.55
5542	IPI00856045;	AHNAK2	0.92	1	S	0.0587974	84.823	_VYTTM(ox)TQHS(ph)R_	2	660.276	-1.55
22	IPI00022164;	ARHGEF12	1	1	S	0.0719115	72.206	_HGS(ph)ILNR_	2	438.708	-1.55
261	IPI00029601	CTTN	1	1	S	0.0265948	78.538	_LQLHES(ph)QKDYK_ _S(ph)GNWESSEGWGAQPEGA	2	734.845	-1.55
116	IPI00001883	SNX9	1	1	S	2.33E-53	194.68	GAQR_	2	1120.953	-1.55
11	IPI00871693;	VAMP3	0.99	1	S	0.00891055	83.047	_(ac)STGPTAATGS(ph)NR_	2	621.262	-1.54
696	IPI00217683;	AKAP12	1	1	S	6.63E-13	166.7	_RGS(ph)SSDEEGPK_ _ATS(ph)NVFAM(ox)FDQSQIQE	2	643.256	-1.54
20	IPI00604523;	MYL12B	0.91	1	S	3.64E-38	187	FK_	2	1093.977	-1.49
450	IPI00419504;	MAP3K7IP2	0.92	1	S	0.00474099	89.162	_AIGNNSATS(ph)PR_ _GPGSWWTS(ph)TESLCSNASG	2	584.261	-1.49
83	IPI00760962;	KANK2	0.84	1	S	1.51E-10	102.36	DSR_	2	1161.46	-1.43
430	IPI00413100;	PHLDB1	1	1	S	0.181464	117.35	_TFS(ph)DGLATR_	2	524.229	-1.41
560	IPI00014340;	PPP1R12C	0.96	1	T	6.63E-13	166.7	_RST(ph)QGVTLTDLK_ _FAELPEFRPEEVLPSPH)PTLQSL	2	699.853	-1.39
1373	IPI00045360	CIC	0.93	2	S	5.33E-05	77.726	ATS(ph)PR_	3	1024.489	-1.39
932	IPI00409590;	LMO7	1	1	T	1.06E-15	175.85	_SYT(ph)MDDAWK_	2	598.72	-1.37
954	IPI00782992;	SRRM2	1	2	S	0.0528113	66.765	_S(ph)VS(ph)PCSNVESR_	2	691.246	-1.36
952	IPI00782992;	SRRM2	1	2	S	0.0528113	66.765	_S(ph)VS(ph)PCSNVESR_	2	691.246	-1.36
788	IPI00304227;	CDH11	0.99	1	S	0.0738263	60.018	_LADLYGS(ph)KDTFDDDS_	2	871.346	-1.34
541	IPI00915443;	CTAGE5	1	1	S	0.0730553	55.439	_AFLS(ph)PPTLLEGPLR_	2	795.918	-1.33
8	IPI00012011;	CFL1	0.99	1	S	2.10E-25	195.04	_(ac)ASGVAVS(ph)DGVIK_	2	612.797	-1.33

11	IPI00761160;	CAST	1	1	S	1.79E-06	113.06	_(ac)SQPGQKPAAS(ph)PRPR_	2	799.894	-1.32
507	IPI00183002;	PPP1R12A	1	1	S	5.99E-17	160.03	_RLAS(ph)TSDIEEK_	2	664.808	-1.32
2702	IPI00782992;	SRRM2	0.9	1	S	0.139938	63.85	_RRPS(ph)PQPSPR_	2	629.314	-1.31
352	IPI00182540;	CTNND1	1	1	S	5.67E-06	112.01	_GSLASLDS(ph)LRK_	2	613.811	-1.31
2407	IPI00782992	SRRM2	1	2	S	0.140787	54.649	_ARS(ph)RT(ph)PPSAPSQSR_	3	553.245	-1.31
2155	IPI00742682	TPR	1	1	S	1.61E-29	163.43	_TDGFAEAIHS(ph)PQVAGVPR_	2	966.454	-1.31
432	IPI00871680;	ARFGAP2	1	1	S	2.32E-05	147.5	_AIS(ph)SDMFFGR_	2	605.752	-1.3
381	IPI00815713;	TCOF1	1	1	S	5.67E-06	112.01	_AASAPAKES(ph)PR_	2	582.774	-1.29
2271	IPI00008868	MAP1B	1	1	S	0.132877	55.439	_SKPLAAS(ph)PKPAGLK_	2	722.9	-1.28
573	IPI00000030;	PPP2R5D	1	1	S	3.34E-09	120.05	_RKS(ph)ELPQDVYTIK_ _NAIS(ph)LPQLNQAAYDSL VVG	2	828.921	-1.28
121	IPI00023605;	CDC42EP1	1	1	S	1.92E-07	91.447	K_	2	1091.051	-1.27
427	IPI00746455;	FARP1	1	1	S	3.37E-16	139.73	_VSAGEPGSHPS(ph)PAPR_	2	763.343	-1.27
4430	IPI00021812	AHNAK	1	1	T	3.61E-21	156.33	_GPSLDIDT(ph)PDVNIEGPEGK_	2	1016.959	-1.24
445	IPI00183002;	PPP1R12A	1	1	S	1.75E-18	151.49	_KTGS(ph)YGALAEITASK_	2	788.885	-1.24
288	IPI00019169;	SH3GL1	1	1	S	6.61E-05	143.48	_IAASSS(ph)FR_ _APRS(ph)PPVGS GPASGVEPTSF	2	459.708	-1.23
87	IPI00102313	SRA1	0.98	1	S	0.0064533	52.064	PVESEAR_	3	915.768	-1.22
600	IPI00396279;	CLASP1	0.98	1	S	7.07E-20	172.81	_SRS(ph)DIDVNAASAK_	2	742.841	-1.21
570	IPI00021812;	AHNAK	0.97	1	S	0.132877	55.439	_IS(ph)M(ox)SEVDLNVAAPK_	2	785.365	-1.2
509	IPI00856045;	AHNAK2	0.99	1	S	0.0719115	72.206	_RLS(ph)TPQR_	2	469.234	-1.18
12	IPI00746455;	FARP1	1	1	S	0.140787	54.649	_(ac)GEIEQRPTPGS(ph)R_	2	724.83	-1.17
471	IPI00019427;	EXOC1	0.99	1	T	0.0582156	96.193	_LTGST(ph)SSLNK_	2	544.255	-1.16
427	IPI00033025;	7-Sep	1	1	T	7.44E-10	131.77	_ILEQQNSSRT(ph)LEK_	2	813.398	-1.16
278	IPI00101968;	DBNL	0.99	1	S	1.79E-06	113.06	_AMS(ph)TTSISSPQPGK_	2	736.329	-1.15
993	IPI00292753;	GAPVD1	0.89	1	S	0.168309	54.274	_KDS(ph)DDEKSDR_	2	637.748	-1.15
743	IPI00304817	SASH1	1	1	S	0.0071244	88.268	_KAS(ph)LLSAK_	2	449.244	-1.13
696	IPI00183002;	PPP1R12A	1	1	T	2.65E-77	246.74	_RST(ph)QGVTLTDLQAEK_	2	928.444	-1.12
2047	IPI00292771;	NUMA1	1	1	S	5.26E-11	131.77	_RQS(ph)MAFSILNTPK_	2	786.884	-1.12
521	IPI00396171;	MAP4	1	1	T	0.00576649	92.082	_DVT(ph)PPPETEVLK_	2	808.913	-1.11
604	IPI00871686;	CLASP2	0.98	1	S	5.03E-33	199.63	_SRS(ph)DIDVNAAGAK_	2	727.835	-1.1
1038	IPI00640092;	SH3PXD2A	1	1	S	0.01165	74.039	_AAS(ph)QGS D SPLLPAQR_	2	789.37	-1.09

142	IPI00023322;	DPF2	1	1	S	0.0248355	68.515	_VDDDS(ph)LGEFPVNSR_	2	865.867	-1.07
34	IPI00418471	VIM	1	1	S	0.130392	114.35	_SYVTTS(ph)TR_	2	497.716	-1.07
768	IPI00010800;	NES	1	1	S	1.07E-13	135.71	_S(ph)LGEQDQM(ox)TLRPPEK_	2	912.914	-1.06
2209	IPI00008868	MAP1B	1	2	S	0.0698085	50.902	_HMDPPPAPVQDRS(ph)PS(ph) PR_	3	681.955	-1.06
2211	IPI00008868	MAP1B	1	2	S	0.0698085	50.902	_HMDPPPAPVQDRS(ph)PS(ph) PR_	3	681.955	-1.06
4100	IPI00021812	AHNAK	1	1	T	0.0008652	94.321	_VDIDT(ph)PDIDIHGPEGK_	3	600.94	-1.06
759	IPI00296485	MAP1S	0.87	1	S	1.92E-07	91.447	_AVPMAPAPAS(ph)PGSSNDSSA R_	2	975.425	-1.06
3	IPI00473014	DSTN	1	1	S	9.13E-10	153.28	_(ac)AS(ph)GVQVADEVCR_	2	706.797	-1.05
21	IPI00014263;	EIF4H	1	1	S	0.0498288	63.588	_AYSSFGGGRGS(ph)R_	2	641.272	-1.04
624	IPI00916402;	AAK1	0.84	2	S	0.120178	59.283	_VGSLT(ph)PPSS(ph)PK_	2	615.264	-1.04
105	IPI00873899;	ABCF1	1	3	S	4.81E-10	121.73	_KLS(ph)VPT(ph)S(ph)DEEDEV APKPR_	2	1167.489	-1.04
108	IPI00873899;	ABCF1	1	3	T	4.81E-10	121.73	_KLS(ph)VPT(ph)S(ph)DEEDEV APKPR_	2	1167.489	-1.04
150	IPI00219301	MARCKS	0.9	1	T	1.69E-05	101.13	_AEDGATSPSNET(ph)PKK_	2	854.875	-1.03
703	IPI00856098;	RRBP1	0.85	1	S	0.0465702	68.459	_KAEGS(ph)PSEGKK_	2	599.279	-1.02
763	IPI00163496;	PPFIA1	0.99	1	S	0.146049	54.274	_GALHTVS(ph)HEDIR_	2	707.827	-1.02
102	IPI00029111	LCRMP	1	1	S	0.00430468	71.274	_EESREPAPAS(ph)PAPAGVEIR_	3	681.656	-1.01
2737	IPI00065931;	AKAP13	1	1	S	0.178313	81.177	_RNS(ph)ISR_	2	406.692	-1.01
908	IPI00183002;	PPP1R12A	0.82	1	S	0.0684062	80.535	_S(ph)GSYSYLEER_	2	635.753	-1
1149	IPI00658152;	TNS3	1	1	S	2.13E-10	109.65	_ASEAAS(ph)PLPDSPGDK_	2	761.327	-1
851	IPI00855787;	TNKS1BP1	0.9	1	S	0.0542305	68.459	_KRDS(ph)QGTYSR_	2	682.801	-1
281	IPI00737545	SGK269	1	1	S	0.0071244	88.268	_ANTLS(ph)PVR_	2	469.229	-1
614	IPI00008868	MAP1B	1	1	S	0.00077612	73.723	_EVPSKEEPS(ph)PVKAEVAEK_	2	1016.996	-0.99
99	IPI00219774;	PRKAR2A	0.91	1	S	0.120565	47.631	_RVS(ph)VCAETYNPDEEEEDTD PR_	3	864.346	-0.99
212	IPI00410259;	PHLDB2	1	1	S	0.00462082	87.563	_KM(ox)S(ph)IQDSLALQPK_	2	777.884	-0.99
478	IPI00215716;	EPB41L3	0.86	1	S	0.0255289	64.591	_GIS(ph)QTNLITVTPEKK_	2	905.472	-0.99
454	IPI00514856;	UBAP2L	0.86	1	S	1.49E-09	96.015	_SPAVATSTAAPPPSS(ph)PLPS K_	2	1020.506	-0.98
511	IPI00021812;	AHNAK	1	1	S	1.79E-06	113.06	_ISM(ox)QDVLDSLGS(ph)PK_	2	793.363	-0.97

476	IPI00782992;	SRRM2	0.97	3	T	0.102871	69.772	_DKS(ph)HS(ph)HT(ph)PSR_	2	696.231	-0.97
474	IPI00782992;	SRRM2	1	3	S	0.102871	69.772	_DKS(ph)HS(ph)HT(ph)PSR_	2	696.231	-0.97
472	IPI00782992;	SRRM2	1	3	S	0.102871	69.772	_DKS(ph)HS(ph)HT(ph)PSR_	2	696.231	-0.97
147	IPI00219301	MARCKS	0.85	1	S	1.69E-05	101.13	_AEDGATPPSPS(ph)NETPK_	2	790.827	-0.96
1123	IPI00021812;	AHNAK	1	1	S	0.148248	44.424	_APDVEGQGLDWS(ph)LKIPK_	3	644.987	-0.96
162	IPI00019432;	NAB2	0.99	2	S	0.122279	54.247	_S(ph)FSPKS(ph)PLELGEK_	2	789.846	-0.95
830	IPI00871686;	CLASP2	0.94	1	S	0.0146204	61.011	_VLNTGS(ph)DVEEAVADALK_	2	905.927	-0.95
225	IPI00000171	TSC22D4	0.95	1	S	0.120298	45.991	_VEAEAGGS(ph)GARTPPLSR_	2	867.912	-0.94
2551	IPI00642259;	DST	1	1	S	0.00069284	100.94	_FDDS(ph)GSWR_	2	525.19	-0.94
377	IPI00641582	BAG3	0.98	2	S	0.0917701	36.064	_VPPAPVPCPPPS(ph)PGPS(ph)AVPSSPK_	3	793.7	-0.94
450	IPI00059944	RNF25	1	1	S	0.0260507	73.06	_RES(ph)LGLESKDGS_	2	679.303	-0.93
805	IPI00409590;	LMO7	1	1	S	8.98E-06	115.98	_M(ox)YS(ph)FDDVLEEGK_	2	764.799	-0.9
876	IPI00514071;	MAST2	0.82	1	S	0.0587223	51.98	_SLS(ph)EEKEDHSDGLAGLK_	3	632.286	-0.9
10	IPI00760941;	ZNF316	0.98	1	S	0.00139945	91.397	_(ac)AALHTTTPDS(ph)PAAQLER_	2	900.42	-0.89
1281	IPI00336047;	MYO9B	1	1	S	0.105009	65.094	_SKPCGS(ph)PR_	2	484.705	-0.89
594	IPI00456363;	ATXN2L	0.96	1	S	0.0139113	65.53	_EVDGLLTSEPMGS(ph)PVSSK_	2	956.934	-0.89
852	IPI00412650;	SVIL	1	1	T	1.41E-12	130.49	_YQT(ph)QPVTLGEVEQVQSGK_	2	1035.991	-0.89
380	IPI00328272;	ZDHHC5	0.99	1	S	0.0257447	60.547	_LSRGDS(ph)LKEPTSIAESSR_	3	671.66	-0.88
1395	IPI00179298;	HUWE1	1	1	S	0.139938	63.85	_AES(ph)PEEVACR_	2	614.239	-0.88
74	IPI00030131;	TMPO	1	1	T	0.00124539	69.251	_GPPDFSSDEEREPT(ph)PVLGSGAAAAGR_	3	884.064	-0.88
448	IPI00479912;	PXK	1	1	S	0.0265948	78.538	_AQS(ph)HHGSEER_	2	673.76	-0.88
398	IPI00782992;	SRRM2	0.96	2	S	2.81E-22	122.4	_HGGS(ph)PQPLATTPLSQEPVNPPSEAS(ph)PTR_	3	1004.788	-0.88
377	IPI00782992;	SRRM2	1	2	S	2.81E-22	122.4	_HGGS(ph)PQPLATTPLSQEPVNPPSEAS(ph)PTR_	3	1004.788	-0.88
906	IPI00173549;	SYNPO2	0.94	1	S	0.00462082	87.563	_AQSPTPS(ph)LPASWK_	2	725.342	-0.86
141	IPI00419979	PAK2	1	1	S	0.0281936	130.93	_YLS(ph)FTPPEK_	2	581.265	-0.86

300	IPI00176903;	PTRF	1	1	S	1.17E-06	147.5	_S(ph)FTPDPHVYAR_	3	457.875	-0.86
745	IPI00032355;	PUM1	1	1	S	1.33E-14	160.79	_RDS(ph)LTGSSDLYKR_	3	526.582	-0.86
335	IPI00655754;	UFD1L	1	1	S	9.13E-10	153.28	_FVAFSGEGQS(ph)LR_	2	689.314	-0.85
500	IPI00303343	SCAF1	0.99	2	S	0.12133	40.218	_QRS(ph)PS(ph)PAPAPAPAAAA GPPTR_	3	709.996	-0.85
498	IPI00303343	SCAF1	0.99	2	S	0.12133	40.218	_QRS(ph)PS(ph)PAPAPAPAAAA GPPTR_	3	709.996	-0.85
468	IPI00410259;	PHLDB2	0.99	1	S	1.52E-05	104.52	_LS(ph)TGTTVEDVQK_	2	679.316	-0.84
2397	IPI00782992	SRRM2	0.8	1	T	1.52E-05	104.52	_T(ph)SPPLDR_	2	489.736	-0.83
348	IPI00011689	EEF2K	1	1	T	0.0295307	120.67	_LLQSAKT(ph)ILR_	2	611.85	-0.82
29	IPI00288941	NCOA5	1	2	S	0.0539472	91.464	_DRS(ph)PIRGS(ph)PR_	2	650.782	-0.82
34	IPI00288941	NCOA5	1	2	S	0.0539472	91.464	_DRS(ph)PIRGS(ph)PR_	2	650.782	-0.82
313	IPI00220102	DNAJB2	1	2	S	0.122279	54.247	_GEATKRS(ph)PS(ph)PEEK_	2	788.326	-0.82
393	IPI00464978	IRS2	1	1	S	0.0248355	68.515	_PVSVAGSPLS(ph)PGPVR_	2	750.385	-0.81
208	IPI00217490;	FNDC3B	1	1	S	0.0907378	74.039	_LNS(ph)PPSSIIYK_	2	593.281	-0.81
868	IPI00783285	DKFZp434H018	0.99	1	S	0.0707661	56.22	_GESDEPAPQVQPES(ph)PETVS PK_	2	1144.502	-0.81
881	IPI00029012	EIF3A	0.94	1	S	0.0021709	92.163	_RLGDS(ph)SLSR_	2	535.753	-0.8
1456	IPI00619921	DIDO1	1	1	S	0.00222887	48.266	_RNS(ph)VERPAEPVAGAATPSL VEQQK_	3	872.104	-0.8
941	IPI00658152;	TNS3	0.95	1	S	0.0281936	130.93	_RES(ph)SSSAER_	2	544.722	-0.8
5782	IPI00021812;	AHNAK	1	1	S	0.130392	114.35	_SNS(ph)FSDER_	2	511.185	-0.8
87	IPI00384857;	HN1	0.9	1	S	0.00158631	96.604	_RNS(ph)SEASSGDFDLK_	2	853.375	-0.79
2581	IPI00782992;	SRRM2	1	1	S	0.0295307	120.67	_RVPS(ph)PTPAPK_	2	565.292	-0.79
299	IPI00418125;	LAYN	0.9	1	S	0.00158631	96.604	_KQS(ph)EADLAETRPDLK_	2	890.927	-0.79
621	IPI00029111;	LCRMP	0.98	1	T	7.59E-05	96.604	_GM(ox)YDGPVFDLT(ph)TTPK_	2	869.376	-0.78
243	IPI00376119;	PRKACB	0.79	1	T	1.46E-13	130.49	_T(ph)WTLCGTPEYLAPEIILSK_	2	1136.552	-0.78
181	IPI00903328;	AGFG1	0.99	1	S	0.0542305	68.459	_GTPSQS(ph)PVVGR_	2	582.774	-0.77
351	IPI00782992;	SRRM2	1	2	S	0.0177394	81.177	_SATRPS(ph)PS(ph)PER_	2	672.771	-0.77
353	IPI00782992;	SRRM2	1	2	S	0.0177394	81.177	_SATRPS(ph)PS(ph)PER_	2	672.771	-0.77
3	IPI00413344;	CFL2	1	1	S	0.00891055	83.047	_(ac)AS(ph)GVTVNDEVIK_	2	677.319	-0.77
358	IPI00396171;	MAP4	0.89	1	S	0.00251508	82.056	_ETERAS(ph)PIKMDLAPSK_	2	926.947	-0.77
131	IPI00018009	EDC3	1	1	S	1.16E-17	151.49	_SQDVAVS(ph)PQQQQCSK_	2	885.38	-0.77
269	IPI00182540;	CTNND1	1	1	S	0.00485455	133.79	_VGGSS(ph)VDLHR_	2	553.753	-0.77
112	IPI00032206;	PDLIM4	0.86	1	S	4.42E-17	143.81	_IHIDPEIQDGS(ph)PTTSR_	2	923.423	-0.75

979	IPI00032064;	AKAP2	1	1	S	1.65E-09	161.82	_QVLQSTQS(ph)PR_	2	612.293	-0.75
509	IPI00257508	DPYSL2	1	1	T	0.010615	77.455	_GLYDGPVCEVSVT(ph)PK_	2	850.884	-0.75
510	IPI00024062;	EPB41L1	1	1	S	0.0269185	76.632	_HQAS(ph)INELKR_	3	425.878	-0.75
2720	IPI00022479	HERC1	1	1	S	0.0194518	68.222	_RQS(ph)LTSPDSQSAR_	2	756.844	-0.75
146	IPI00024816;	MFF	1	1	S	0.0179652	68.222	_NDS(ph)LVTSPQQAR_	2	746.843	-0.75
887	IPI00178072	CYTSA	0.97	1	S	0.00679166	69.159	_HS(ph)ISGPISTSKPLTALSDK_	3	673.677	-0.74
952	IPI00304742	STK10	0.87	1	T	0.010615	77.455	_LSEEAECNPST(ph)PSK_	2	863.356	-0.74
776	IPI00658152;	TNS3	1	1	S	1.31E-34	167.52	_KLS(ph)LGQYDNDAGGQLPFSK	2	1059.499	-0.74
357	IPI00152011;	ARHGAP29	0.95	1	S	0.0455317	63.904	_AEEEEHLSSS(ph)GGLAK_	2	747.827	-0.74
182	IPI00002857;	MAPK14	1	2	Y	4.51E-09	117.63	_HTDDEMT(ph)GY(ph)VATR_	2	828.294	-0.74
180	IPI00002857;	MAPK14	1	2	T	4.51E-09	117.63	_HTDDEMT(ph)GY(ph)VATR_	2	828.294	-0.74
517	IPI00001738	NUP88	1	1	S	0.0542305	68.459	_EDVEVAES(ph)PLR_	2	662.295	-0.73
8	IPI00018963;	PARVA	0.99	1	S	0.00891055	83.047	_(ac)ATSPQKS(ph)PSVPK_	2	674.829	-0.73
636	IPI00029111;	LCRMP	0.98	1	S	0.100242	60.662	_GS(ph)PTRPNPPVR_	3	419.875	-0.73
422	IPI00012079;	EIF4B	0.86	2	S	2.38E-13	132.55	_TGS(ph)ESS(ph)QTGTSTTSSR_	2	867.317	-0.72
425	IPI00012079;	EIF4B	1	2	S	2.38E-13	132.55	_TGS(ph)ESS(ph)QTGTSTTSSR_	2	867.317	-0.72
791	IPI00297578;	FILIP1L	1	1	S	0.0295307	120.67	_RIS(ph)DPQVFSK_	2	628.805	-0.72
1147	IPI00218397;	SBF1	0.83	1	T	0.00536001	83.047	_LGLGT(ph)LSSLSR_	2	635.824	-0.72
270	IPI00395887;	TMX1	1	1	S	0.0794683	63.85	_S(ph)LGPSLATDKS_	2	578.268	-0.69
247	IPI00395887;	TMX1	0.99	1	S	0.00433683	71.117	_KVEEEQEADEEDVS(ph)EEEAES	2	1259.497	-0.68
514	IPI00257508	DPYSL2	1	1	T	0.00011948	104.43	_TVT(ph)PASSAK_	2	471.221	-0.68
1378	IPI00008868	MAP1B	0.92	1	S	9.01E-26	156.33	_ASVS(ph)PMDEPVPDSESPIEK_	2	1047.453	-0.67
646	IPI00396279;	CLASP1	0.98	1	S	4.24E-11	126.1	_RQS(ph)SGSATNVASTPDNR_	2	914.403	-0.67
1620	IPI00855787;	TNKS1BP1	1	2	S	5.31E-22	167.35	_VPS(ph)S(ph)DEEVVEEPQSR_	2	923.861	-0.67
1621	IPI00855787;	TNKS1BP1	1	2	S	5.31E-22	167.35	_VPS(ph)S(ph)DEEVVEEPQSR_	2	923.861	-0.67
338	IPI00002580	PIK3C2A	0.97	1	S	0.0719115	72.206	_SQS(ph)LNIR_	2	449.213	-0.67
374	IPI00008918;	LIMA1	0.94	1	S	0.00045484	124.22	_ASSLSESS(ph)PPK_	2	585.258	-0.66

330	IPI00013721	PRPF4B	0.94	1	S	0.0071244	88.268	_KPIKSPS(ph)K_	2	482.765	-0.65
672	IPI00855787;	TNKS1BP1	1	1	S	3.34E-09	120.05	_AS(ph)PEPPGPESSSR_ _RAS(ph)M(ox)QPIQIAEGTGITT R_	2	689.288	-0.65
1969	IPI00292771;	NUMA1	1	1	S	0.00106533	73.116		3	675.998	-0.65
462	IPI00409607;	CAMSAP1L1	0.77	1	S	0.00053098	96.604	_S(ph)ISNEGLTLNNSHVSK_	2	890.417	-0.65
1491	IPI00022479;	HERC1	0.99	1	S	0.0652798	69.555	_SES(ph)LTAESR_	2	530.221	-0.65
136	IPI00398749;	PUM2	1	1	S	0.0260507	73.06	_GKAS(ph)PFEEDQNR_	2	729.306	-0.65
831	IPI00008868	MAP1B	1	2	S	3.50E-08	153.28	_SLMS(ph)S(ph)PEDLTK_	2	684.264	-0.64
832	IPI00008868	MAP1B	1	2	S	3.50E-08	153.28	_SLM(ox)S(ph)S(ph)PEDLTK_	2	692.261	-0.64
1378	IPI00410666;	SCRIB	1	1	S	0.0263958	72.844	_RVS(ph)LVGADDLRK_	3	470.248	-0.63
1598	IPI00333753;	ITPR1	1	1	S	0.181464	117.35	_RDS(ph)VLAASR_	2	527.756	-0.62
203	IPI00306195;	AKT1S1	1	1	S	0.00203185	89.162	_S(ph)LPVSVPVWGFK_	2	698.357	-0.62
1531	IPI00782992;	SRRM2	0.97	1	T	0.0907378	74.039	_TVART(ph)PLGQR_	2	589.806	-0.62
876	IPI00782992;	SRRM2	1	1	S	0.0260507	73.06	_SCFESS(ph)PDPELK_ _FAS(ph)DDEHDEHDENGATGP VKR_	2	738.292	-0.62
366	IPI00009032	SSB	1	1	S	2.32E-32	165.93		3	802.659	-0.62
126	IPI00306604	ITGA5	0.8	1	S	7.14E-25	153.28	_LLESSLS(ph)SSEGEEPVEYK_	2	1031.959	-0.62
5763	IPI00021812;	AHNAK	0.92	1	S	3.64E-38	187	_ASLGSLGEGAEAEASS(ph)PK_	2	906.899	-0.62
924	IPI00169307;	ARHGAP21	0.97	1	S	0.0121282	77.654	_KDS(ph)SSEVFSDAAK_	2	725.809	-0.6
97	IPI00292135;	LBR	0.88	1	S	0.00059706	120.67	_S(ph)ASASHQADIK_ _LGHPEALSAGTGS(ph)PQPPSFT YAQQR_	2	597.761	-0.6
368	IPI00020513;	ZYX	0.77	1	S	0.00168035	51.464		3	893.085	-0.6
908	IPI00782992;	SRRM2	1	2	S	0.051426	69.667	_S(ph)STPPRQS(ph)PSR_	2	680.276	-0.6
31	IPI00217661;	RAVER1	1	1	S	0.010615	77.455	_(ac)AADVSVTHRPPLS(ph)PK_	2	848.925	-0.6
276	IPI00409590;	LMO7	0.94	1	S	0.132877	55.439	_GGREGFES(ph)DTDSEFTFK_	3	663.602	-0.59
1026	IPI00472160;	ARHGEF2	1	1	S	0.0652798	69.555	_QELGS(ph)PEER_	2	562.735	-0.59
284	IPI00410067;	ZC3HAV1	1	1	S	0.0179652	68.222	_AS(ph)LEDAPVDDLTR_	2	741.33	-0.59
346	IPI00883925;	FLJ00169	1	1	S	6.52E-34	189.08	_S(ph)AGEEEDGVPVLTDEQK_	2	892.367	-0.58
3	IPI00012011;	CFL1	1	1	S	2.10E-25	195.04	_(ac)AS(ph)GVAVSDGVIK_	2	612.797	-0.58
333	IPI00514705;	FAM21C	0.92	1	S	1.16E-17	151.49	_RTPS(ph)DDEEDNLFAPPK_	2	955.912	-0.58
288	IPI00514705;	FAM21C	0.98	1	S	0.0121282	77.654	_SRPTS(ph)FADELAAR_	2	750.846	-0.58

84	IPI00872944;	NUCKS1	1	1	S	1.31E-34	167.52	_VVDYSQFQES(ph)DDADEDYG R_	2	1159.442	-0.58
82	IPI00006987;	DDX24	1	1	S	1.56E-19	145.45	_AQAVS(ph)EEEEEEGKSSSPK_	2	1065.442	-0.58
266	IPI00006937	UBE2J1	0.86	1	S	2.81E-11	130.49	_RLS(ph)TSPDVIQGHQPR_	2	885.936	-0.58
13	IPI00375015	DUT	0.91	1	S	0.00027174	102.36	_PCSEETPAISPS(ph)KR_	2	819.863	-0.58
160	IPI00030131;	TMPO	0.91	1	T	4.42E-17	143.81	_SST(ph)PLPTISSAENTR_	2	864.396	-0.57
403	IPI00472794;	FCHO2	1	1	S	0.181464	117.35	_NLS(ph)NEELTK_	2	564.253	-0.57
275	IPI00003843;	TJP2	1	1	S	0.060343	108.14	_GRS(ph)IDQDYER_	2	659.775	-0.57
4524	IPI00020557	LRP1	0.91	1	T	0.060343	108.14	_HSLAST(ph)DEKR_	3	408.519	-0.57
727	IPI00328293;	SRRM1	0.92	2	S	0.00572165	85.723	_RQS(ph)PS(ph)PSTRPIR_	3	514.571	-0.57
725	IPI00328293;	SRRM1	0.99	2	S	0.00572165	85.723	_RQS(ph)PS(ph)PSTRPIR_	3	514.571	-0.57
1387	IPI00008868	MAP1B	0.98	1	S	9.01E-26	156.33	_ASVSPMDEPVPDS(ph)ESPIEK_	2	1047.453	-0.57
119	IPI00414008;	LMOD1	1	1	S	0.00485455	133.79	_RDS(ph)DLGKEPK_	3	408.859	-0.56
702	IPI00782992;	SRRM2	1	3	S	0.00826384	87.138	_S(ph)RS(ph)RS(ph)LVR_	2	600.738	-0.56
704	IPI00782992;	SRRM2	1	3	S	0.00826384	87.138	_S(ph)RS(ph)RS(ph)LVR_	2	600.738	-0.56
706	IPI00782992;	SRRM2	1	3	S	0.00826384	87.138	_S(ph)RS(ph)RS(ph)LVR_	2	600.738	-0.56
100	IPI00333215;	TCEA1	1	1	S	0.00158631	96.604	_KKEPAITSQNS(ph)PEAR_	3	579.284	-0.56
26	IPI00418471	VIM	0.88	1	S	7.48E-05	106.79	_MFGGPGTASRPSS(ph)SR_	2	787.843	-0.56
699	IPI00853158;	PRUNE2	1	1	S	0.0907378	74.039	_RAS(ph)DSVFQPK_	2	607.782	-0.55
4	IPI00886748	LOC100131880	1	1	S	8.09E-08	126.15	_DRS(ph)HPR_	2	424.182	-0.55
390	IPI00464978	IRS2	0.93	2	S	0.0248355	68.515	_PVSVAGS(ph)PLS(ph)PGPVR_ _APSDS(ph)SLGTSPS(ph)DGRPEL	2	790.368	-0.55
304	IPI00168849;	TRIP10	0.86	2	S	0.00065477	83.606	R_	2	1001.419	-0.55
168	IPI00007722;	AMPD2	1	1	S	0.0106111	77.654	_QIS(ph)QDVKLEPDILLR_	3	616.327	-0.54
304	IPI00395337;	FIP1L1	1	1	S	0.0204923	111.83	_AES(ph)PDLR_	2	434.184	-0.54
9	IPI00917683;	SUMO1	0.95	1	S	3.62E-42	205.38	_(ac)SDQEAKPS(ph)TEDLGDKK_	2	935.409	-0.54
86	IPI00889182	LOC343052	1	1	S	0.204201	95.09	_RSLPS(ph)R_	2	398.197	-0.54
99	IPI00873403;	RPL24	1	1	T	3.12E-17	156.57	_AIT(ph)GASLADIMAK_ _ESPRPLQLPGAEGPAIS(ph)DGE	2	671.328	-0.54
90	IPI00185919	LARP1	1	1	S	1.03E-08	93.737	EGGGGEPGAGGGAAGAAGAGR_	3	1203.219	-0.53
92	IPI00400812;	SSFA2	0.99	1	S	0.00019984	101.13	_TPLGAS(ph)LDEQSSSTLK_	2	857.401	-0.53
833	IPI00884054;	CBL	1	1	S	0.157002	68.258	_RINS(ph)ER_	2	427.698	-0.53

3716	IPI00021812	AHNAK	1	1	T	3.30E-25	167.35	_VDIDT(ph)PDINIEGSEGK_	2	891.396	-0.53
2260	IPI00020356;	MAP1A	1	1	S	8.56E-11	128.36	_NTSAEKELSSPIS(ph)PK_	2	834.398	-0.53
18	IPI00012199;	CCDC86	1	1	S	5.90E-06	106.48	_LGGLRPES(ph)PESLTSVSR_	3	622.31	-0.52
1579	IPI00293845;	RIF1	1	1	S	0.00016546	97.936	_SNES(ph)VDIQDQEEK_	2	800.822	-0.52
657	IPI00296485	MAP1S	1	1	S	0.0204923	111.83	_LSLS(ph)PLR_	2	433.231	-0.52
420	IPI00152007	ARHGEF17	1	1	S	3.97E-06	127.93	_SPS(ph)FGAGEGLLR_	2	635.795	-0.52
1432	IPI00513791;	DOCK7	1	1	S	4.12E-14	147.66	_SPS(ph)GSAFGSQENLR_	2	758.825	-0.52
176	IPI00910363;	EML3	1	1	S	0.00102008	112.01	_KAIS(ph)SANLLVR_	2	626.345	-0.52
60	IPI00419979	PAK2	0.92	1	T	0.0587974	84.823	_IISIFSGT(ph)EK_	2	587.791	-0.51
1501	IPI00008868	MAP1B	1	1	S	7.20E-35	175.05	_LGDVVS(ph)PTQIDVVSQFGSFK_	2	1002.969	-0.51
782	IPI00152510;	DDX54	1	1	S	1.79E-06	113.06	_IDDRDS(ph)DEEGASDR_	2	830.31	-0.5
346	IPI00307162;	VCL	0.98	1	S	0.126598	58.94	_GQGSS(ph)PVAMQK_	2	585.255	-0.49
382	IPI00298788;	ILF3	0.99	1	S	1.79E-06	113.06	_RPM(ox)EEDGEKS(ph)PSK_	2	857.853	-0.49
109	IPI00873899;	ABCF1	0.99	1	S	4.81E-10	121.73	_LSVPTS(ph)DEEDEVPAKPR_	3	682.652	-0.49
56	IPI00016670	C11orf59	0.86	1	S	0.186767	50.855	_TDEQALLSS(ph)ILAK_	2	734.868	-0.48
2180	IPI00333541;	FLNA	0.99	1	S	3.61E-21	156.33	_IPEISIQDMTAQVTS(ph)PSGK_	2	1041.495	-0.48
31	IPI00021924	H1FX	1	1	S	0.0542305	68.459	_AGGSAALS(ph)PSK_	2	513.237	-0.48
309	IPI00783285;	DKFZp434H018	1	1	S	0.0587974	84.823	_TYS(ph)DEANQMR_	2	647.742	-0.48
117	IPI00789101;	PTGES3	1	1	S	6.07E-45	216.1	_DWEDDS(ph)DEDM(ox)SNFDR_	2	986.315	-0.47
1389	IPI00008868	MAP1B	0.99	1	S	9.01E-26	156.33	_ASVSPM(ox)DEVPDSES(ph)PI_	2	1055.45	-0.47
192	IPI00012512;	RRAS2	1	1	S	5.04E-08	117.38	EK_	2	1055.45	-0.47
1977	IPI00790503;	MYH10	1	1	S	5.64E-06	86.874	_KFQEQECPSPS(ph)PEPTR_	2	955.411	-0.46
4523	IPI00020557	LRP1	1	1	S	0.060343	108.14	_QLHLEGASLELS(ph)DDDTESK_	2	1083.976	-0.46
561	IPI00008868	MAP1B	1	1	S	6.63E-13	166.7	_HSLAS(ph)TDEKR_	2	612.274	-0.46
1009	IPI00032064;	AKAP2	1	1	S	8.36E-21	110.71	_KES(ph)KEETPEVTK_	2	742.848	-0.46
60	IPI00396015;	ACACA	0.98	1	S	2.13E-10	109.65	_VKPPPS(ph)PTTEGPSLQPD LAP_	3	1059.194	-0.45
62	IPI00023860;	NAP1L1	1	1	T	4.24E-11	126.1	EAAAGTQRPK_	2	1138.023	-0.45
177	IPI00006079;	BCLAF1	1	1	S	1.15E-24	176.16	_FIIGS(ph)VSEDNSEDEISNLVK_	2	1138.023	-0.45
								LDGLVET(ph)PTGYIESLPR	2	970.474	-0.45
								KAEGEPQES(ph)PLK	2	761.345	-0.45

2565	IPI00065931;	AKAP13	0.82	1	S	1.78E-05	104.52	_S(ph)LSRPSSLIEQEK_	2	777.382	-0.45
419	IPI00418471	VIM	0.97	1	S	0.132877	55.439	_ISLPLPNFS(ph)SLNLR_	2	825.934	-0.45
110	IPI00009505;	SNTB2	1	1	S	4.96E-13	156.57	_GPAGEAGAS(ph)PPVRR_	3	467.893	-0.44
540	IPI00783698;	TMEM87A	1	1	S	0.01841	57.797	_WVEENVPSSVTDVALPALLDS(p h)DEER_	3	950.774	-0.44
440	IPI00513791;	DOCK7	0.97	1	S	2.65E-09	159.29	_RNSS(ph)IVGR_	2	484.737	-0.44
432	IPI00178187;	EHBP1	0.88	2	S	0.019466	62.486	_DLSTSPKPS(ph)PIPS(ph)PVLGR_	3	669.99	-0.43
542	IPI00909569;	HDAC7	0.86	1	S	1.89E-47	187.08	_AQS(ph)SPAAPASLSAPEPASQ AR_	2	1037.484	-0.43
159	IPI00013808;	ACTN4	1	1	S	0.00027174	102.36	_FAIQDIS(ph)VEETSAK_	2	809.374	-0.43
502	IPI00006379	NOP58	1	1	S	0.00139359	63.49	_HIKEEPLS(ph)EEEPCTSTAIASPE K_	3	888.07	-0.43
296	IPI00218487;	GJA1	0.92	1	S	0.00081819	93.536	_LVTGDRNNS(ph)SCR_	2	729.811	-0.43
28	IPI00003394;	SMN1	0.89	2	S	0.105138	52.821	_GTGQS(ph)DDS(ph)DIWDDTA LIK_	2	1048.909	-0.42
31	IPI00003394;	SMN1	1	2	S	0.105138	52.821	_GTGQS(ph)DDS(ph)DIWDDTA LIK_	2	1048.909	-0.42
656	IPI00102752;	RBM15	0.91	1	S	0.0244908	74.039	_HLDRS(ph)PESDRPR_	3	515.57	-0.42
636	IPI00396171;	MAP4	1	1	S	0.00576649	92.082	_KCS(ph)LPAAEDSVLEK_	2	842.879	-0.42
515	IPI00397376;	ZC3H14	1	1	S	0.00081819	93.536	_DLVQPKPAS(ph)PK_	2	687.837	-0.42
180	IPI00376955	PCTK2	1	1	S	0.0265948	78.538	_RAS(ph)LSEIGFGK_	2	622.805	-0.42
114	IPI00303867;	FAM176A	1	1	S	2.90E-16	178.44	_NVFTS(ph)AEELER_	2	687.8	-0.42
220	IPI00328293;	SRRM1	1	1	T	0.0121282	77.654	_KEKT(ph)PELPEPSVK_	3	521.267	-0.42
612	IPI00217683;	AKAP12	1	1	S	0.0265948	78.538	_EGVTPWAS(ph)FKK_	2	665.316	-0.41
1984	IPI00782992;	SRRM2	0.99	2	S	0.130392	114.35	_S(ph)RT(ph)SPVTR_	2	532.22	-0.41
262	IPI00026957;	WBP4	1	1	S	0.0906357	51.359	_NKNSDGGGS(ph)DPETQKEK_	2	907.384	-0.41
307	IPI00396145;	PIKFYVE	1	1	S	0.00115368	100.32	_SAS(ph)ITNLSLDR_	2	628.798	-0.41
92	IPI00645192;	MECP2	0.97	1	S	0.00028446	79.087	_AETSEGSGSAPAVPEASAS(ph)P K_	2	1005.439	-0.4
37	IPI00384180	YRDC	1	1	S	0.0255343	68.222	_LFRPPS(ph)PAPAAPGAR_	3	528.94	-0.4
102	IPI00004795	CLNS1A	1	1	S	5.82E-11	85.62	_FEEESKEPVADEEEEDS(ph)DDD VEPITEFR_	3	1132.123	-0.4
623	IPI00029111;	LCRMP	0.82	1	T	7.59E-05	96.604	_GM(ox)YDGPVFDLTTT(ph)PK_	2	869.376	-0.39
703	IPI00022164;	ARHGEF12	0.88	1	T	0.00105264	77.709	_QVGETSAPGDTLDGT(ph)PR_	2	890.891	-0.39

241	IPI00002538;	PDPK1	1	1	S	3.94E-08	105.09	_ANS(ph)FVGTAQYVSPELLTEK_	2	1067.509	-0.39
181	IPI00008557	IGF2BP1	1	1	S	0.140787	54.649	_QGS(ph)PVAAGAPAK_	2	567.271	-0.39
402	IPI00328293;	SRRM1	1	2	S	0.0555307	62.135	_HRPS(ph)PPAT(ph)PPPK_	3	481.218	-0.39
406	IPI00328293;	SRRM1	1	2	T	0.0555307	62.135	_HRPS(ph)PPAT(ph)PPPK_ _LPS(ph)PTSPFSSLSQDQAATSK	3	481.218	-0.39
988	IPI00409590;	LMO7	0.79	1	S	2.37E-06	100.39	_	2	1064.994	-0.38
60	IPI00299033	KPNA3	1	1	S	7.48E-22	152.12	_NVPQEESLEDS(ph)DVDADFK_	2	1058.933	-0.38
116	IPI00397571;	NSFL1C	1	1	S	0.011655	78.538	_KKS(ph)PNELVDDLFK_	3	538.271	-0.38
1838	IPI00020356;	MAP1A	1	1	S	0.00115368	100.32	_M(ox)LEEKS(ph)PEKVK_ _(ac)S(ph)DNGELEDKPPAPPVR	2	707.338	-0.38
2	IPI00419979	PAK2	1	1	S	0.0846301	51.98	_	2	921.917	-0.38
208	IPI00922194;	PCK1	0.97	1	S	1.06E-15	175.85	_KIS(ph)TEDINK_	2	564.271	-0.38
677	IPI00004273;	RBM25	1	1	S	5.04E-08	117.38	_LGASNS(ph)PGQPNSVKR_ _M(ox)GQAGS(ph)TIS(ph)NSHA	2	796.383	-0.37
328	IPI00218487;	GJA1	0.76	2	S	1.80E-05	61.172	QPFDPPDDNQNSK_	3	990.386	-0.37
59	IPI00186290;	EEF2	0.91	1	T	0.00115368	100.32	_FTDT(ph)RKDEQER_	2	752.825	-0.37
530	IPI00419847;	SORBS3	0.89	1	S	0.0179652	68.222	_LCDDGPQLPTS(ph)PR_	2	768.332	-0.36
18	IPI00008575;	KHDRBS1	0.78	1	S	7.27E-05	97.936	_S(ph)GSM(ox)DPSGAHPSVR_	2	740.798	-0.36
279	IPI00872944;	NUCKS1	1	1	S	2.82E-06	100.53	_TPSPKEEDEEPES(ph)PPEKK_	2	1066.967	-0.36
1964	IPI00641384;	SEC16A	1	1	S	0.00027534	78.282	_LLPSAPQTLPDGPLAS(ph)PAR_	2	991.011	-0.36
189	IPI00399265;	TPD52L2	1	1	S	1.33E-33	208.96	_NSATFKS(ph)FEDR_	2	691.293	-0.36
127	IPI00168885;	DHX57	1	1	S	0.0121282	77.654	_DLQEADADAGS(ph)ER_	2	757.294	-0.36
706	IPI00305064;	CD44	1	1	S	0.103489	69.555	_S(ph)QEMVHLVNLK_	2	632.791	-0.36
375	IPI00760962;	KANK2	1	1	S	7.48E-05	106.79	_ALAMPGRPES(ph)PPVFR_ _LSPHAFKTES(ph)GEETDLISPPQ	2	852.918	-0.36
298	IPI00012545;	TGOLN2	0.77	1	S	0.00203184	51.049	EEVK_ _GDS(ph)ETDLEALFNAVM(ox)N	3	950.114	-0.36
61	IPI00216919;	YAP2	0.98	1	S	7.48E-22	152.12	PK_	3	682.962	-0.36
327	IPI00020513;	ZYX	1	1	S	5.56E-06	86.906	_GPPASSPAPAPKFS(ph)PVTPK_	2	956.982	-0.35
462	IPI00855856;	API5	0.99	1	S	3.34E-09	120.05	_ASEDTTS(ph)GSPPKK_	2	692.803	-0.35
39	IPI00016910;	EIF3C	1	1	S	0.0170283	72.844	_QPLLS(ph)EDEEDTKR_	2	876.906	-0.35
1345	IPI00290652;	RSF1	1	1	S	1.79E-06	113.06	_IES(ph)DEEEDFENVGK_	2	860.335	-0.35

415	IPI00385649;	LRCH3	1	1	S	0.0388423	65.53	_RIS(ph)HEGSPVKPVAIR_	4	432.234	-0.35
2398	IPI00782992	SRRM2	1	1	S	1.52E-05	104.52	_VSGRTS(ph)PPLDR_	2	689.348	-0.35
276	IPI00873875;	SH3KBP1	1	1	S	0.0147628	73.06	_S(ph)IEVENDFLPVEK_	2	799.871	-0.34
218	IPI00021812	AHNAK	0.87	1	T	7.20E-35	175.05	_LPSGGAASPT(ph)GSAVDIR_	2	861.907	-0.34
394	IPI00921916;	MRVI1	1	1	S	0.0168101	82.241	_GLS(ph)WDSGPEEPGPR_	2	782.327	-0.34
2687	IPI00020356;	MAP1A	0.99	1	S	5.28E-11	90.802	_GELS(ph)PSFLNPPLPPSIDDR_	2	1066.009	-0.34
1164	IPI00853400;	FKBP15	0.99	1	S	0.0588821	59.283	_SSLS(ph)GDEEDELFK_	2	768.311	-0.34
1016	IPI00910030;	PLEKHA5	0.78	1	S	0.172366	48.846	_AKS(ph)PTPESTIASYVTLR_	3	663.329	-0.34
202	IPI00218694;	CALD1	1	1	S	2.48E-16	153.28	_RGS(ph)IGENQGEEK_	2	692.299	-0.34
226	IPI00290204;	SNRNP70	1	1	S	1.85E-05	104.84	_YDERPGPS(ph)PLPHR_	3	534.247	-0.33
282	IPI00396171;	MAP4	0.93	1	T	7.27E-13	135.71	_DMESPT(ph)KLDVTLAK_	2	814.386	-0.33
892	IPI00908725;	ZC3H18	1	1	S	0.130392	114.35	_LGS(ph)PKPER_	2	482.237	-0.32
438	IPI00100980	EHD2	1	1	S	3.83E-35	162.88	_GPDEAMEDGEEGS(ph)DDEAE WVVTK_	2	1287.989	-0.32
351	IPI00012545;	TGOLN2	0.9	1	S	0.0100785	84.823	_MSGAS(ph)SENR_	2	553.203	-0.32
227	IPI00179890;	G3BP2	0.76	1	T	1.38E-25	127.73	_NLEELEEKSTT(ph)PPPAEPVSLP QEPPK_	3	979.477	-0.32
63	IPI00013297	PDAP1	1	2	S	2.30E-44	197.35	_KSLDS(ph)DES(ph)EDEEDDYQ QK_	2	1160.407	-0.32
50	IPI00444371;	WDR44	1	1	S	0.0265948	78.538	_VGNES(ph)PVQELK_	2	640.3	-0.32
411	IPI00307257;	TBC1D9B	0.91	1	S	0.00053463	66.929	_KAS(ph)VVDPSTESSPAPQEGSE QPASPASPLSSR_	3	1087.503	-0.32
14	IPI00549725;	PGAM1	1	1	S	0.00102008	112.01	_HGES(ph)AWNLENR_	2	696.788	-0.31
137	IPI00001134;	RBM7	1	1	S	0.0582156	96.193	_SFS(ph)SPENFQR_	2	639.761	-0.31
610	IPI00021634;	KLC2	0.99	1	S	0.00115368	100.32	_TLSSS(ph)SMDLSR_	2	632.268	-0.31
496	IPI00006079;	BCLAF1	1	1	S	2.32E-05	147.5	_KETQS(ph)PEQVK_	2	627.292	-0.31
652	IPI00002349	NUFIP2	1	1	S	0.060343	108.14	_NDS(ph)WGSFDLR_	2	638.753	-0.3
63	IPI00216919;	YAP2	0.99	1	T	7.48E-22	152.12	_GDSET(ph)DLEALFNAVMPNK_	2	1015.943	-0.3
397	IPI00385215;	NFATC4	1	1	S	4.05E-07	140.37	_RTS(ph)SEQAVALPR_	2	697.843	-0.3
60	IPI00013297	PDAP1	1	2	S	2.30E-44	197.35	_KSLDS(ph)DES(ph)EDEEDDYQ QK_	2	1160.407	-0.3
260	IPI00328293;	SRRM1	1	1	S	4.15E-29	171.16	_VPKPEPIPEPKEPS(ph)PEK_	2	989.5	-0.3
2056	IPI00020356;	MAP1A	0.99	1	S	0.157463	51.98	_VPSAPGQES(ph)PIPDPK_	2	799.877	-0.29
10	IPI00419273	CUL4A	1	1	S	8.69E-05	108.14	_KGS(ph)FSALVGR_	2	551.276	-0.29

365	IPI00008918;	LIMA1	1	1	S	1.48E-20	147.94	_SEVQQPVHPKPLSPDS(ph)R_ _S(ph)RS(ph)RDS(ph)GDENEPI	2	990.981	-0.29
1116	IPI00856116;	PALLD	1	3	S	1.04E-16	141.14	QER_	3	705.591	-0.29
79	IPI00031556;	U2AF2	1	1	S	1.79E-06	113.06	_GAKEEHGGLIRS(ph)PR_	2	793.894	-0.29
289	IPI00792743;	SLTM	1	1	S	7.48E-05	106.79	_DGQDAIAQS(ph)PEK_	2	669.782	-0.29
1468	IPI00069817;	BAZ1B	1	1	S	5.19E-34	183.28	_LAEDGEGDS(ph)EPEAVGQSR_ _DLSTSPKPS(ph)PIPS(ph)PVLGR	2	934.881	-0.29
436	IPI00178187;	EHBP1	1	2	S	0.019466	62.486	_	3	669.99	-0.29
1859	IPI00301263;	CAD	1	1	S	7.48E-05	106.79	_IHRAS(ph)DPGLPAEEPKEK_	2	977.475	-0.29
1103	IPI00782992;	SRRM2	0.8	2	S	0.0673629	63.588	_S(ph)SS(ph)PVTELASR_ _SPEKIEEVLSPGGS(ph)PSKSPSK	2	647.26	-0.29
677	IPI00004408;	ADD3	0.75	1	S	4.24E-11	126.1	_	3	764.705	-0.28
78	IPI00025512;	HSPB1	1	2	S	1.51E-13	143.81	_ALS(ph)RQLS(ph)SGVSEIR_	2	831.884	-0.28
1545	IPI00855787;	TNKS1BP1	1	1	S	0.181464	117.35	_RPS(ph)QGPPAR_	2	523.251	-0.28
306	IPI00412441;	WAPAL	0.99	1	S	1.52E-05	104.52	_RPES(ph)PSEISPIK_	2	710.348	-0.28
1329	IPI00782992;	SRRM2	1	1	S	0.0465702	68.459	_ENSFGS(ph)PLEFR_ _ERVPS(ph)VAEAPQLRPAGTAA	2	681.79	-0.28
548	IPI00760962;	KANK2	1	1	S	5.05E-06	87.39	AK_	2	1100.068	-0.27
240	IPI00000634;	CCDC6	1	2	S	0.0947455	55.439	_LDQPVS(ph)APPS(ph)PR_	2	712.305	-0.27
244	IPI00000634;	CCDC6	1	2	S	0.0947455	55.439	_LDQPVS(ph)APPS(ph)PR_	2	712.305	-0.27
30	IPI00784614;	Ov/Br septin	1	1	S	3.12E-05	106.79	_S(ph)FEVEEVETPNSTPPR_	2	949.414	-0.27
1225	IPI00917650;	FAM38A	0.97	1	T	0.0281936	130.93	_T(ph)ASELLDDR_	2	627.316	-0.27
79	IPI00301907;	HLCS	1	1	S	0.00801416	86.822	_RGS(ph)ASGSEPAGSDR_ _SAFTPATATGSSPS(ph)PVLGQG	2	764.805	-0.27
904	IPI00304740;	ITSN1	1	1	S	6.97E-21	138.07	EK_	2	1085.507	-0.27
1843	IPI00219299	TLN2	1	1	T	0.0295307	120.67	_LDEGT(ph)PPEPK_	2	581.755	-0.27
133	IPI00410039;	PPHLN1	1	1	S	0.0498288	63.588	_DNTFFRES(ph)PVGR_ _(ac)M(ox)EDLDQSPLVSSSDS(p	2	752.833	-0.27
15	IPI00021766;	RTN4	0.94	1	S	1.22E-11	118.75	h)PPRPQPAFK_	3	922.749	-0.27
492	IPI00479065	GPSM1	0.88	1	S	0.0248355	68.515	_APS(ph)SDEECFFDLLTK_	2	919.881	-0.26
2047	IPI00902614;	USP24	1	1	S	0.0265948	78.538	_VSDQNS(ph)PVLPK_	2	632.303	-0.26
409	IPI00014219	SNX17	1	1	S	0.181464	117.35	_RSDS(ph)QQAVK_	2	549.751	-0.26
284	IPI00216746;	HNRNPK	1	1	S	0.0281936	130.93	_DYDDM(ox)S(ph)PR_	2	547.678	-0.26
401	IPI00179438	DAB2	1	1	S	0.00891055	83.047	_SSPNPFVGS(ph)PPK_	2	647.297	-0.26

26	IPI00922181;	MCM2	0.82	1	S	0.0163188	81.616	_RGNDPLTS(ph)SPGR_	2	668.804	-0.26
509	IPI00012079;	EIF4B	0.99	1	S	5.19E-34	183.28	_SQSSDTEQQS(ph)PTSGGGK_	2	880.852	-0.26
1459	IPI00333541;	FLNA	1	1	S	1.52E-05	104.52	_CSGPGLS(ph)PGMVR_	2	649.275	-0.26
226	IPI00171390;	PRPF38A	1	1	S	0.204201	95.09	_RS(ph)PTLR_	2	405.205	-0.26
136	IPI00163505;	RBM39	1	1	S	0.0028276	72.24	_DKS(ph)PVREPIDNLTPEER_	3	692.332	-0.26
302	IPI00216047;	SMARCC2	0.83	2	S	1.18E-05	106.79	_KRS(ph)PSPS(ph)PTPEAK_	2	771.342	-0.25
5448	IPI00021812;	AHNAK	1	1	S	0.00576649	92.082	_IS(ph)APNVDNFLEGPK_ _VSEEQTPPS(ph)PAGAGMST	2	790.871	-0.25
153	IPI00003443;	IFI16	1	1	S	2.31E-13	109.52	AM(ox)GR_	2	1142.982	-0.25
9	IPI00152503;	DTX3L	1	1	S	0.00677202	85.182	_(ac)ASHLRPPS(ph)PLLVR_ _NKPGPNIES(ph)GNEDDDASFK	3	522.284	-0.25
214	IPI00299254	EIF5B	1	1	S	3.18E-39	179.01	_	2	1057.439	-0.25
387	IPI00013788;	HTATSF1	0.99	1	S	0.060343	108.14	_SDS(ph)VSASER_	2	509.198	-0.25
1593	IPI00409590;	LMO7	0.9	1	S	1.79E-06	113.06	_SHS(ph)PSASQSGSQLR_	2	754.828	-0.25
649	IPI00178187;	EHBP1	0.98	1	S	0.139938	63.85	_RTKS(ph)DTEPQK_	2	635.295	-0.25
194	IPI00218035;	NFIC	0.99	1	S	0.00317762	89.162	_ERDAEQSGS(ph)PR_	2	656.27	-0.25
245	IPI00412650;	SVIL	0.99	1	S	0.00891055	83.047	_DSSFTEVPRS(ph)PK_	2	715.322	-0.24
528	IPI00023832;	SH3PX2B	1	1	S	0.00992869	88.185	_KES(ph)IHK_	2	399.212	-0.24
681	IPI00004408;	ADD3	0.9	1	S	4.24E-11	126.1	_IEEVLSPGSPSKS(ph)PSK_	2	925.943	-0.24
1694	IPI00782992;	SRRM2	0.92	2	S	0.0753511	78.538	_S(ph)SRSS(ph)PELTR_ _GLDS(ph)GAET(ph)EEEKDTWE	2	640.258	-0.24
854	IPI00020356;	MAP1A	1	2	T	3.27E-12	129.11	EK_ _GLDS(ph)GAET(ph)EEEKDTWE	2	1106.914	-0.24
850	IPI00020356;	MAP1A	1	2	S	3.27E-12	129.11	EK_	2	1106.914	-0.24
101	IPI00021812;	AHNAK	0.91	1	T	7.79E-10	124.18	_KGDRSPEPGQTWT(ph)R_	2	847.886	-0.24
2152	IPI00333541;	FLNA	1	1	S	1.22E-07	115.7	_RAPS(ph)VANVGSCHDLSLK_	3	630.968	-0.24
221	IPI00855787;	TNKS1BP1	1	1	S	0.00020617	145.18	_GWS(ph)QEGPVK_	2	534.232	-0.23
292	IPI00218694;	CALD1	0.92	1	T	1.42E-17	141.14	_ASVDT(ph)KEAEGAPQVEAGK_	2	933.928	-0.23
246	IPI00409590;	LMO7	1	1	S	1.95E-25	186.01	_REDS(ph)FESLDSLGR_	2	839.359	-0.23
166	IPI00873899;	ABCF1	1	1	S	0.00115368	100.32	_AVS(ph)EEQQPALK_ _SRTS(ph)VQTEDDQLIAGQSAR	2	640.3	-0.23
655	IPI00473136;	CTNNA1	0.94	1	S	8.11E-52	202.91	_	2	1071.495	-0.23
1286	IPI00022164;	ARHGEF12	0.84	1	T	4.41E-30	163.43	_T(ph)ASQGPQTDSVIQNSENIK_	2	1048.978	-0.22

208	IPI00304692;	RBMX	1	1	S	0.0204923	111.83	_DVYLS(ph)PR_ _QAS(ph)TDAGTAGALTPQHVR	2	465.21	-0.22
109	IPI00216919;	YAP2	0.9	1	S	2.38E-06	101.13	_	3	620.958	-0.22
83	IPI00021831;	PRKAR1A	1	1	S	1.61E-29	163.43	_TDSREDEIS(ph)PPPPNPVVK_ _AAEAGGAEEQYGFLTT(ph)PTK	2	1028.983	-0.22
1067	IPI00008868	MAP1B	0.9	1	T	1.06E-21	146.92	_	2	1010.949	-0.21
114	IPI00008998	PTPLAD1	1	1	S	8.98E-06	115.98	_WLDES(ph)DAEMELR_	2	787.316	-0.21
277	IPI00013721	PRPF4B	1	1	S	0.0907378	74.039	_KKS(ph)PIINESR_	3	417.887	-0.21
326	IPI00465457;	CCNY	0.98	1	S	0.00045484	124.22	_SAS(ph)ADNLTLPR_	2	612.785	-0.21
398	IPI00170934;	STK11IP	0.99	1	S	7.48E-05	106.79	_RAS(ph)ISEPSDTPDPEPR_	2	868.878	-0.2
2	IPI00023526;	RAB6A	0.75	1	S	0.0302023	68.459	_(ac)S(ph)TGGDFGNPLRK_	2	685.809	-0.2
687	IPI00006298;	PPIG	0.96	1	S	0.00115368	100.32	_ADRDQS(ph)PFSK_	2	615.761	-0.2
410	IPI00000015	SFRS4	0.76	1	S	0.189231	59.232	_S(ph)VSKEREHAK_	2	625.798	-0.2
106	IPI00003443;	IFI16	0.84	1	S	0.11493	48.846	_EVDATS(ph)PAPSTSSTVK_	2	828.872	-0.19
19	IPI00027152;	CENPA	0.88	2	S	0.0157988	76.343	_RRSPS(ph)PTPTGPS(ph)R_	2	826.869	-0.19
27	IPI00027152;	CENPA	0.97	2	S	0.0157988	76.343	_RRSPS(ph)PTPTGPS(ph)R_	2	826.869	-0.19
274	IPI00856098;	RRBP1	0.93	1	T	0.0582156	96.193	_KVDT(ph)TPNQGK_	2	584.274	-0.19
708	IPI00328293;	SRRM1	0.99	1	S	0.00081819	93.536	_APQTSSS(ph)PPPVR_	2	652.306	-0.19
3468	IPI00289776;	MYCBP2	1	1	S	0.198183	48.095	_VNS(ph)GDTEVGSSLLR_ _RPNEDS(ph)DEDEEKGAVVPPV	2	757.348	-0.18
691	IPI00015195	CSTF3	1	1	S	0.0780624	37.346	HDIYR_ _GWLDRDPSAS(ph)PGDAGEQAIR	4	712.321	-0.18
290	IPI00307162;	VCL	1	1	S	8.56E-11	128.36	_	3	688.316	-0.18
429	IPI00855787;	TNKS1BP1	1	1	S	8.89E-64	232.58	_RFS(ph)EGVLQSPSQDQEK_ _KLS(ph)GDQITLPTTVDYSSVPK	2	957.933	-0.18
36	IPI00477518;	PDAF	1	1	S	2.11E-05	82.838	_	2	1115.056	-0.18
348	IPI00013455;	CLIP1	0.96	1	S	0.0101915	82.295	_KIS(ph)GTTALQEALKEK_	3	566.301	-0.18
1907	IPI00179298;	HUWE1	1	1	S	1.79E-06	113.06	_GGTAS(ph)DDEFENLR_	2	789.309	-0.18
1124	IPI00782992;	SRRM2	1	1	S	0.0582156	96.193	_GEFSAS(ph)PMLK_	2	573.749	-0.18
110	IPI00329547;	ZC3H13	0.91	1	S	0.00317762	89.162	_NTEESSS(ph)PVRK_	2	657.29	-0.17
261	IPI00902584;	VASP	1	1	S	7.80E-22	155.4	_KVS(ph)KQEEASGGPTAPK_	2	847.411	-0.17
138	IPI00251559	RNF20	1	1	S	2.04E-25	159.38	_ALVVPEPEPDSDS(ph)NQER_	2	981.428	-0.17

127	IPI00216919;	YAP2	0.79	1	S	1.86E-17	110.06	_AHS(ph)SPASLQLGAVSPGTLTP TGVVSGPAATPTAQHLR_	3	1205.616	-0.17
1102	IPI00782992;	SRRM2	0.85	2	S	0.0673629	63.588	_SS(ph)S(ph)PVTELASR_ _VVEAVNS(ph)DS(ph)DSEFGIPK	2	647.26	-0.17
1522	IPI00027280;	TOP2B	1	2	S	5.16E-05	98.917	_	2	976.9	-0.17
152	IPI00100674;	REEP4	0.98	1	S	0.0071244	88.268	_SFS(ph)MQDLR_ _RTS(ph)M(ox)GGTQQQFVEGV	2	532.218	-0.17
552	IPI00017292;	CTNNB1	0.99	1	S	3.30E-25	167.35	R_	2	938.922	-0.17
2342	IPI00020356;	MAP1A	0.9	1	S	9.69E-67	243.15	_SHWDDS(ph)TSDSELEK_	2	858.325	-0.17
243	IPI00792065;	TOR1AIP1	0.82	1	S	0.0588821	59.283	_SRDS(ph)DESGDKTTR_	2	767.312	-0.16
66	IPI00789041	PNN	0.99	1	S	3.34E-09	120.05	_RGFS(ph)DSGGPPAK_ _M(ox)LAES(ph)DES(ph)GDEES	2	656.788	-0.16
193	IPI00024971	OSBP	1	2	S	2.83E-11	93.189	VSQTDKTELQNTLR_ _M(ox)LAES(ph)DES(ph)GDEES	3	1063.434	-0.16
190	IPI00024971	OSBP	1	2	S	2.83E-11	93.189	VSQTDKTELQNTLR_	3	1063.434	-0.16
1418	IPI00856045;	AHNAK2	1	1	S	0.0719115	72.206	_LQM(ox)PS(ph)FK_	2	473.709	-0.16
371	IPI00654569;	CAMK2D	0.99	1	T	0.00019984	101.13	_ESTESSNTT(ph)IEDEDVK_	2	932.373	-0.15
512	IPI00006079;	BCLAF1	1	1	S	0.00035686	97.936	_LKDLFDYS(ph)PPLHK_ _SLPAPVAQRPDS(ph)PGGGLQA	2	826.908	-0.15
108	IPI00018583;	HABP4	1	1	S	0.00301862	56.22	PGQK_	3	770.053	-0.15
267	IPI00000015	SFRS4	0.97	1	S	0.103489	69.555	_S(ph)KSKDQAEK_	2	615.274	-0.15
886	IPI00328293;	SRRM1	0.95	1	S	3.62E-42	205.38	_KETES(ph)EAEDNLDDLEK_	2	972.902	-0.15
440	IPI00641770;	PI4KB	1	1	S	0.00457914	92.082	_S(ph)VENLPECGITHEQR_	2	924.901	-0.15
832	IPI00178072;	CYTSA	0.98	1	S	0.00462082	87.563	_RSS(ph)TSSEPTPVK_	2	728.838	-0.15
130	IPI00550368;	TENC1	1	1	S	0.0587974	84.823	_SFS(ph)LDPLM(ox)ER_	2	645.775	-0.15
551	IPI00017292;	CTNNB1	0.79	1	T	3.30E-25	167.35	_RT(ph)SMGGTQQQFVEGVR_	3	620.952	-0.15
226	IPI00385449;	PRKCA	0.98	1	S	0.0170283	72.844	_STLNPQWNES(ph)FTFK_	2	889.893	-0.15
112	IPI00306840	SGPP1	0.91	1	S	0.00462082	87.563	_RNS(ph)LTGEEGQLAR_ _DLSTS(ph)PKPSPIPS(ph)PVLGR	2	755.854	-0.14
428	IPI00178187;	EHBP1	0.78	2	S	0.019466	62.486	_	2	1004.481	-0.14
209	IPI00171390;	PRPF38A	1	1	S	0.0204923	111.83	_VPS(ph)PDHR_	2	444.192	-0.14
617	IPI00216219;	TJP1	1	1	S	0.00870141	83.047	_S(ph)REDLSAQPVQTK_	2	769.864	-0.14
58	IPI00465028;	TPI1	1	1	S	5.04E-08	117.38	_KQS(ph)LGELIGTLNAK_	2	811.929	-0.14
119	IPI00023640	PDCD5	1	1	S	0.00081819	93.536	_RKVM(ox)DS(ph)DEDDDY_	2	792.282	-0.14

1237	IPI00411452;	DOCK11	0.78	1	S	0.0602528	42.561	_EDS(ph)RGLIPEGATGFPDQG NTGENTR_	3	929.074	-0.13
359	IPI00641364;	PPAN	1	1	S	0.0170283	72.844	_VGGG(ph)DEEASGIPSR_	2	720.804	-0.13
61	IPI00874030	HNRNPA2B1	1	1	S	0.175309	44.424	_S(ph)AAGNRAEATESAMER_ _IVEPEVVGES(ph)DS(ph)EVEGD	2	865.862	-0.13
116	IPI00022790	MFAP1	1	2	S	3.24E-36	173.53	AWR_ _IVEPEVVGES(ph)DS(ph)EVEGD	2	1181.48	-0.13
118	IPI00022790	MFAP1	1	2	S	3.24E-36	173.53	AWR_	2	1181.48	-0.13
514	IPI00470779	TXLNA	0.93	1	S	7.79E-10	124.18	_RPEGPGAQAPS(ph)SPR_	2	743.844	-0.13
957	IPI00550733;	TBC1D2B	1	1	S	1.48E-20	147.94	_DTSPDKGELVS(ph)DEEEDT_	2	973.375	-0.13
164	IPI00299254	EIF5B	1	1	S	9.13E-10	153.28	_WDGS(ph)EEDEDNSK_	2	745.751	-0.13
1061	IPI00742743;	TP53BP1	0.99	1	T	0.0907378	74.039	_SEDPPTT(ph)PIR_ _VQEHEDS(ph)GDS(ph)EVENEA	2	596.766	-0.13
138	IPI00000733	UTP18	1	2	S	1.57E-20	147.61	K_ _VQEHEDS(ph)GDS(ph)EVENEA	2	1031.37	-0.13
141	IPI00000733	UTP18	1	2	S	1.57E-20	147.61	K_ _GGEFDEFVNDTDT(ph)DDDLPI	2	1031.37	-0.13
925	IPI00477468	CTR9	1	1	T	3.18E-12	119.22	K_	2	1154.463	-0.13
55	IPI00418471	VIM	0.78	1	S	5.99E-17	160.03	_SLYAS(ph)SPGGVYATR_	2	754.843	-0.13
1359	IPI00240812;	PDS5B	0.98	1	S	5.97E-08	110.18	_AES(ph)PESSAESTQSTPQK_	2	978.925	-0.13
16	IPI00908768;	HSPB6	1	1	S	5.99E-17	160.03	_RAS(ph)APLPLGSAPGR_	2	715.369	-0.12
276	IPI00015838	LYAR	0.99	1	S	0.0582156	96.193	_RHS(ph)EVETDSK_	3	423.182	-0.12
335	IPI00549766;	FAM40A	0.99	1	S	1.48E-20	147.94	_AAS(ph)PPASASDLIEQQQK_ _KAEDS(ph)DS(ph)EPEPEDNVR	2	910.925	-0.12
499	IPI00100151;	XRN2	1	2	S	2.92E-34	192.74	_KAEDS(ph)DS(ph)EPEPEDNVR	2	988.862	-0.12
501	IPI00100151;	XRN2	1	2	S	2.92E-34	192.74	_	2	988.862	-0.12
211	IPI00012340	SFRS9	1	1	S	0.0498288	63.588	_GS(ph)PHYFSPFRPY_	2	767.829	-0.11
232	IPI00012442	G3BP1	0.84	1	S	1.13E-41	195.04	_SSS(ph)PAPADIAQTVQEDLR_	2	982.952	-0.11
18	IPI00011689	EEF2K	1	1	S	5.67E-06	112.01	_LEGVDGGQS(ph)PR_	2	597.761	-0.11
2233	IPI00178352;	FLNC	1	1	S	0.181464	117.35	_LGS(ph)FGSITR_	2	509.242	-0.11
518	IPI00449909;	ARHGEF7	1	1	S	0.181464	117.35	_M(ox)S(ph)GFIYQGK_	2	563.736	-0.11
30	IPI00299667	VAMP4	1	1	S	3.32E-34	192.34	_NLLEDDS(ph)DEEEDFFLR_	2	1033.417	-0.11
181	IPI00514127;	HDGF	1	1	S	0.0295307	120.67	_AGDLLEDS(ph)PKRPK_	2	753.372	-0.11

414	IPI00021405;	LMNA	1	1	S	1.61E-29	163.43	_ASSHSSQTQGGGS(ph)VTK_ _SHVEDGDIAGAPASS(ph)PEAP	2	799.844	-0.1
1407	IPI00856098;	RRBP1	0.84	1	S	2.69E-08	75.009	PAEQDPVQLK_	3	998.124	-0.1
119	IPI00329599	PHLDA3	0.78	1	S	0.140787	54.649	_ARQS(ph)LGTGTLVS_	2	635.314	-0.1
1457	IPI00005707;	MRC2	0.99	1	S	0.00045484	124.22	_SSS(ph)SPTEATEK_	2	602.242	-0.1
1510	IPI00409590;	LMO7	1	1	S	9.38E-39	210	_RGES(ph)LDNLDSPR_	2	719.82	-0.1
461	IPI00328293;	SRRM1	0.93	1	S	7.79E-10	124.18	_KVELS(ph)ESEEDKGGK_	2	807.867	-0.1
8	IPI00019548;	SMAD2	1	1	T	0.00891055	83.047	_(ac)SSILPFT(ph)PPVVK_	2	703.87	-0.1
385	IPI00742743;	TP53BP1	0.89	1	S	0.0121891	70.232	_STPFIVPSS(ph)PTEQEGR_	2	906.414	-0.1
93	IPI00021812;	AHNAK	1	1	S	7.79E-10	124.18	_KGDERS(ph)PEPGQTWTR_ _VEAKES(ph)EES(ph)DEDMGF	3	565.593	-0.1
304	IPI00008530;	RPLP0	1	2	S	1.68E-45	182.31	GLFD_ _VEAKES(ph)EES(ph)DEDMGF	2	1211.932	-0.1
307	IPI00008530;	RPLP0	1	2	S	1.68E-45	182.31	GLFD_	2	1211.932	-0.1
379	IPI00104050	THRAP3	1	1	S	0.00081819	93.536	_GSFS(ph)DTGLGDGK_	2	610.745	-0.09
499	IPI00642971;	EEF1D	1	1	S	0.00035686	97.936	_ATAPQTHVS(ph)PM(ox)R_	2	760.34	-0.09
95	IPI00009505;	SNTB2	1	1	S	0.00081819	93.536	_GLGPPS(ph)PPAPPR_	2	611.803	-0.09
12	IPI00220158;	ADD1	0.92	1	S	0.0738263	60.018	_AAVVT(ph)PPPTTAPHK_	2	777.39	-0.09
126	IPI00872944;	NUCKS1	1	2	S	5.04E-28	186.2	_NSQEDS(ph)EDS(ph)EDKDVK_	2	942.825	-0.09
562	IPI00464978	IRS2	1	1	S	4.05E-07	140.37	_RVS(ph)GDAAQDLDR_	2	691.807	-0.09
1797	IPI00008868	MAP1B	0.98	1	S	2.82E-06	100.53	_ESSPLYS(ph)PTFSDSTSAVK_	2	991.935	-0.08
315	IPI00100731	SH2D4A	1	1	S	4.71E-18	180.61	_TLS(ph)SSAQEDIIR_	2	700.327	-0.08
14	IPI00006725;	DDX23	1	1	S	0.00102008	112.01	_DRDAS(ph)PSKEER_ _DM(ox)DEPS(ph)PVPNVEEVTL	3	457.196	-0.08
347	IPI00216047;	SMARCC2	1	1	S	1.24E-05	91.235	PK_	2	1046.463	-0.08
67	IPI00604620;	NCL	1	1	S	0.012792	128.52	_KVVVS(ph)PTK_	2	469.26	-0.08
641	IPI00473136;	CTNNA1	1	1	S	1.49E-44	199.27	_TPEELDDS(ph)DFETEDFDVR_ _SPFEIIS(ph)PPAS(ph)PPEMVG	2	1119.934	-0.08
2035	IPI00020356;	MAP1A	1	2	S	1.76E-09	114.2	QR_ _SPFEIIS(ph)PPAS(ph)PPEMVG	2	1099.983	-0.07
2039	IPI00020356;	MAP1A	1	2	S	1.76E-09	114.2	QR_	2	1099.983	-0.07
5110	IPI00021812;	AHNAK	1	1	S	2.90E-16	178.44	_FKAEAPLPS(ph)PK_	2	632.821	-0.07
646	IPI00006675;	ABCC4	0.99	1	T	1.22E-07	115.7	_DNEESEQPPVPGT(ph)PTLR_	2	973.431	-0.07

449	IPI00464952;	SFRS11	1	1	S	0.00020617	145.18	_KPIETGS(ph)PK_ _VPPPRS(ph)PQAQEAPVNIDEG	2	518.757	-0.07
1307	IPI00020356;	MAP1A	1	1	S	3.45E-08	85.077	LTGCTIQLLPAQDK_ _(ac)S(ph)GDEM(ox)IFDPTM(ox)	3	1207.266	-0.07
2	IPI00021728;	EIF2S2	1	1	S	0.0147628	73.06	)SK_ _TLS(ph)M(ox)IEEEIR_ _AM(ox)ADELS(ph)EK_ _SQS(ph)SDTEQQSPTSGGGK_ _KVVVSPT(ph)KK_ _SQSS(ph)DTEQQS(ph)PTSGGGK_ K_ _SES(ph)PKEPEQLR_ _DIS(ph)PSTFR_ _NSASATTPLS(ph)GNSSR_ _QVAEQGDLS(ph)PAANR_ _GLLYDS(ph)DEEDEERPAR_ _T(ph)WQM(ox)NLPLMS(ph) WK_ _LQAKES(ph)PQR_ _DKGQKS(ph)PAEQK_ _DIDISS(ph)PEFK_ _(ac)SETAPAETATPAPVEKS(ph) PAK_ _YNDWS(ph)DDDDDSNESK_ _RDS(ph)QDGSSYR_ _GISS(ph)LPR_ _VADAKGDS(ph)ES(ph)EEDEDL EVPVPSR_ _VADAKGDS(ph)ES(ph)EEDEDL EVPVPSR_ _DEILPTT(ph)PISEQK_ _ETPHS(ph)PGVEDAPIAK_ _KES(ph)ES(ph)EDS(ph)S(ph)D DEPLIKK_ _KES(ph)ES(ph)EDS(ph)S(ph)D DEPLIKK_	2	806.301	-0.07
951	IPI00032064;	AKAP2	1	1	S	0.00485455	133.79		2	658.794	-0.07
37	IPI00009236;	CAV1	1	1	S	7.13E-06	105.65		2	545.212	-0.07
502	IPI00012079;	EIF4B	0.92	1	S	5.19E-34	183.28		2	880.852	-0.07
69	IPI00604620;	NCL	0.5	1	T	0.012792	128.52		2	533.307	-0.07
503	IPI00012079;	EIF4B	0.97	2	S	5.19E-34	183.28		2	920.835	-0.07
6	IPI00215965;	HNRNPA1	1	1	S	0.00115368	100.32		3	460.545	-0.07
682	IPI00104050	THRAP3	1	1	S	2.32E-05	147.5		2	558.26	-0.06
320	IPI00007277;	LRRFIP2	0.86	1	S	0.010615	77.455		2	765.333	-0.06
438	IPI00304742	STK10	1	1	S	0.00801416	86.822		2	796.857	-0.06
120	IPI00922181;	MCM2	1	1	S	0.00737446	73.116		2	987.41	-0.06
72	IPI00888324		1	2	S	0.179822	51.163		2	912.387	-0.06
120	IPI00055954	WDR43	1	1	S	0.0281936	130.93		2	568.777	-0.06
27	IPI00026337;	RANBP3	1	1	S	0.126598	58.94		2	648.303	-0.06
177	IPI00021812	AHNAK	1	1	S	0.0533729	87.769		2	615.768	-0.05
18	IPI00217468;	HIST1H1B	1	1	S	3.18E-12	119.22		2	1052.496	-0.05
61	IPI00009906	ARMCX3	1	1	S	5.04E-08	117.38		2	942.808	-0.05
146	IPI00386803;	LASP1	1	1	S	2.32E-05	147.5		2	625.744	-0.05
926	IPI00409590;	LMO7	1	1	S	0.163614	97.769		2	405.199	-0.05
78	IPI00219774;	PRKAR2A	1	2	S	0.00054029	68.27		2	1317.031	-0.05
80	IPI00219774;	PRKAR2A	1	2	S	0.00054029	68.27		2	1317.031	-0.05
221	IPI00011253;	RPS3	0.85	1	T	0.00035686	97.936		2	775.871	-0.05
490	IPI00008918;	LIMA1	0.98	1	S	0.010615	77.455		2	814.372	-0.05
350	IPI00871695;	DEK	1	4	S	5.56E-11	129.11		2	1128.388	-0.05
352	IPI00871695;	DEK	1	4	S	5.56E-11	129.11		2	1128.388	-0.05

355	IPI00871695;	DEK	1	4	S	5.56E-11	129.11	_KES(ph)ES(ph)EDS(ph)S(ph)D DEPLIKK_	2	1128.388	-0.05
356	IPI00871695;	DEK	1	4	S	5.56E-11	129.11	_KES(ph)ES(ph)EDS(ph)S(ph)D DEPLIKK_	2	1128.388	-0.05
599	IPI00020984	CANX	1	1	S	1.49E-09	114.7	_SDAEEDGGTVS(ph)QEEEDRKP K_	2	1143.474	-0.05
145	IPI00219301	MARCKS	0.84	1	S	1.69E-05	101.13	_AEDGATPS(ph)PSNETPK_ _M(ox)PSARPPS(ph)PPLSSWER	2	790.827	-0.04
915	IPI00179757	KIF1C	0.96	1	S	0.0706787	55.439	_	3	630.957	-0.04
1666	IPI00855787;	TNKS1BP1	1	1	S	7.44E-10	131.77	_NRS(ph)AEEGELAESK_ _YHLPDAES(ph)DEDEDFKEQTR	2	750.322	-0.04
253	IPI00871851;	NEDD5	1	1	S	2.06E-78	252.35	_	3	839.687	-0.04
902	IPI00173549;	SYNPO2	1	1	S	0.00462082	87.563	_AQS(ph)PTPSLPASWK_	2	725.342	-0.04
768	IPI00513743;	HSPH1	1	1	S	0.130392	114.35	_IES(ph)PKLER_	2	526.263	-0.04
618	IPI00013174	RBM14	1	1	S	2.32E-05	147.5	_RLS(ph)ESQLSFR_ _LTDEDFS(ph)PFGSGGGLFSGG K_	2	651.814	-0.04
352	IPI00514705;	FAM21C	1	1	S	1.79E-14	129.11	_	2	1027.941	-0.04
123	IPI00872944;	NUCKS1	1	1	S	3.45E-20	163.63	_NSQEDES(ph)EDSEDKDVK_ _AS(ph)VDTKEAEGAPQVEAGKR	2	902.841	-0.03
289	IPI00218694;	CALD1	0.95	1	S	1.42E-17	141.14	_	3	674.988	-0.03
2014	IPI00020356;	MAP1A	1	1	S	3.45E-07	95.176	_WLAES(ph)PVGLPPEEDKLTR_	3	749.363	-0.03
1219	IPI00782992;	SRRM2	1	1	S	0.139938	63.85	_SGAGSS(ph)PETK_	2	500.703	-0.03
729	IPI00007334;	ACIN1	1	1	S	0.181464	117.35	_LQPERGS(ph)PK_ _AGLESGAEPGDGDS(ph)DTTKK	2	546.266	-0.03
494	IPI00873935;	DKC1	1	1	S	9.01E-26	156.33	_	2	957.902	-0.03
233	IPI00477313;	HNRNPC	1	1	S	7.07E-20	172.81	_NDKS(ph)EEEQSSSVK_	2	817.333	-0.02
85	IPI00784614;	Ov/Br septin	1	1	S	1.10E-10	164.06	_HVDSLQRS(ph)PK_	2	667.317	-0.02
268	IPI00294742	LARP7	0.99	1	S	1.48E-20	147.94	_SRPTSEGS(ph)DIESTEPQK_ _QKS(ph)DAEEDGGTVSQEEEDR	2	964.418	-0.02
589	IPI00020984	CANX	0.99	1	S	1.49E-09	114.7	_	2	1094.929	-0.02
2	IPI00917683;	SUMO1	1	1	S	3.62E-42	205.38	_(ac)S(ph)DQEAKPSTEDLGDKK_	3	623.942	-0.02
63	IPI00922070;	CLN6	1	1	S	5.98E-07	150.24	_HGS(ph)VSADEAAR_	2	590.243	-0.02
276	IPI00021888;	SLC39A7	1	2	S	0.0149061	72.844	_EKQS(ph)S(ph)EEEEKETR_	2	884.837	-0.02
275	IPI00021888;	SLC39A7	1	2	S	0.0149061	72.844	_EKQS(ph)S(ph)EEEEKETR_	2	884.837	-0.02
445	IPI00064212	ZNF828	0.99	1	S	0.032903	74.039	_KPSGS(ph)PDLWK_	2	597.781	-0.02
2344	IPI00020356;	MAP1A	0.94	1	S	9.69E-67	243.15	_SHWDDSTS(ph)DSELEK_	2	858.325	-0.02

1058	IPI00178187;	EHBP1	1	1	S	0.0295307	120.67	_KPS(ph)EDEVLNK_	2	619.787	-0.02
37	IPI00220644;	PKM2	1	1	S	6.54E-05	136.96	_LDIDS(ph)PPITAR_	2	639.31	-0.02
125	IPI00643342;	PEA15	1	1	S	0.204201	95.09	_IPS(ph)AKK_	2	362.194	-0.02
426	IPI00021405;	LMNA	1	1	S	0.130392	114.35	_KLESTES(ph)R_ _RGGGSGGGEES(ph)EGEEVDED	2	515.234	-0.02
304	IPI00045051	PURB	1	1	S	3.94E-08	105.09	_	2	966.342	-0.02
203	IPI00169383;	PGK1	1	1	S	0.00488814	68.515	_ALES(ph)PERPFLAILGGAK_	3	616.992	-0.02
599	IPI00889541;	DDX17	1	1	S	0.163614	97.769	_RDS(ph)ASYR_	2	467.693	-0.02
669	IPI00013290;	HDGFRP2	1	1	S	0.0498288	63.588	_ARGDS(ph)EALDEES_ _TPNNVVSTPAPS(ph)PDASQLA	2	679.759	-0.02
960	IPI00409590;	LMO7	0.99	1	S	9.78E-08	76.746	SSLSSQK_	3	888.424	-0.02
254	IPI00328868;	HS1BP3	1	1	S	1.24E-05	91.235	_KLSPQDPS(ph)EDVSSVDPLK_	2	1010.977	-0.01
454	IPI00644438;	TMEM201	1	1	S	0.0498288	63.588	_ALS(ph)LGTIPSLTR_	2	654.85	-0.01
356	IPI00760962;	KANK2	1	1	S	1.52E-05	104.52	_AQS(ph)LEPYGTGLR_	2	686.319	-0.01
2658	IPI00436632;	NIPBL	1	1	S	6.63E-13	166.7	_AITSLLGGGS(ph)PK_	2	590.802	-0.01
353	IPI00382470;	HSP90AA1	1	1	S	4.05E-07	140.37	_DKEVS(ph)DDEAEK_	2	737.285	-0.01
27	IPI00922181;	MCM2	0.99	1	S	0.0163188	81.616	_GNDPLTSS(ph)PGR_ _PSTQPRPDS(ph)WGEDNWEGL	2	590.753	-0.01
754	IPI00102059;	SCYL1	0.97	1	S	0.00431011	49.322	ETDSR_	3	913.715	-0.01
697	IPI00154645;	TBC1D15	1	1	S	0.00897529	84.823	_NDS(ph)PTQIPVSSDVCR_ _VHDRS(ph)EEEEEEEEEEEQP	2	877.874	0
253	IPI00290071;	WDR42A	1	1	S	1.14E-05	85.62	R_	3	918.017	0
92	IPI00154645;	TBC1D15	0.85	1	S	1.79E-06	113.06	_KDS(ph)SSVVEWTQAPK_ _GPPDFS(ph)S(ph)DEEREPT(ph)	2	821.38	0
66	IPI00030131;	TMPO	1	3	S	1.35E-07	74.643	PVLGSGAAAAGR_ _GPPDFS(ph)S(ph)DEEREPT(ph)	3	937.375	0
67	IPI00030131;	TMPO	1	3	S	1.35E-07	74.643	PVLGSGAAAAGR_ _PGPTPSGTNVGSSGRS(ph)PSK	3	937.375	0
17	IPI00220835	SEC61B	0.97	1	S	5.56E-06	86.906	_	3	617.286	0
430	IPI00418471	VIM	0.96	1	S	0.010615	77.455	_ETNLDS(ph)LPLVDTHSK_	2	874.909	0
765	IPI00102752;	RBM15	0.92	1	S	0.157762	60.67	_LKS(ph)PSQK_	2	434.22	0.01
296	IPI00168849;	TRIP10	1	1	S	0.00065477	83.606	_APS(ph)DSSLGTPSDGRPELR_	3	641.293	0.01
799	IPI00852741;	SEC31A	1	1	S	0.00077612	73.723	_AQGEPVAGHES(ph)PKIPYEK_	2	1008.975	0.01
706	IPI00604647;	MAP4K4	0.89	1	S	0.0587974	84.823	_TTS(ph)RSPVLSR_	2	592.295	0.01

181	IPI00220739;	PGRMC1	1	1	S	3.18E-12	119.22	_EGEPTVYS(ph)DEEPPKDESAR	2	1188.474	0.01
259	IPI00013721	PRPF4B	0.95	1	T	0.0582156	96.193	_ARSPT(ph)DDKVK_	3	399.527	0.01
720	IPI00014898;	PLEC1	0.99	1	S	0.0121282	77.654	_ARSDEGQLS(ph)PATR_	2	734.333	0.01
313	IPI00298731	PPP1R10	0.86	1	S	0.0738263	60.018	_VLS(ph)PTAAKPSPEFGK_	2	804.905	0.01
57	IPI00186290;	EEF2	0.98	1	T	0.00115368	100.32	_AGETRFT(ph)DTR_	2	617.267	0.02
286	IPI00217683;	AKAP12	0.89	1	S	8.19E-07	104.52	_SAESPTS(ph)PVTSETGSTFK_	2	946.912	0.03
298	IPI00328715	MTDH	1	1	S	6.54E-05	136.96	_LSSQIS(ph)AGEEK_	2	614.776	0.03
1218	IPI00925413;	EIF4G1	0.99	1	T	0.00317762	89.162	_KAASLT(ph)EDRDR_	2	671.312	0.03
956	IPI00853400;	FKBP15	1	1	S	8.07E-15	123.75	_RPS(ph)QEQSASASSGQPQAPL NR_	2	1138.524	0.04
189	IPI00032970;	OSBPL11	1	1	S	3.41E-06	103.48	_RPS(ph)QNAISFFNVGHSK_	3	623.632	0.04
494	IPI00006079;	BCLAF1	0.84	1	T	2.32E-05	147.5	_ET(ph)QSPEQVQSEK_	2	735.33	0.04
1290	IPI00336047;	MYO9B	0.86	1	S	0.00737446	73.116	_VQEKPDSD(ph)PGGSTQIQR_	2	903.923	0.05
344	IPI00010586;	TMF1	1	1	S	0.00027174	102.36	_SVSEINS(ph)DDELSGK_	2	780.327	0.05
523	IPI00641770;	PI4KB	1	1	S	0.00137881	97.636	_RLS(ph)EQLAHTPTAFK_	3	560.282	0.05
458	IPI00844000	KIAA0776	1	1	S	0.00251508	82.056	_KDDDS(ph)DDESQSSHTGK_	2	915.837	0.05
759	IPI00171407;	STXBP5	0.99	1	S	0.0388423	65.53	_KLS(ph)LPTDLKPLDVK_	3	587.985	0.06
521	IPI00185919;	LARP1	1	1	S	0.139938	63.85	_ETESAPGS(ph)PR_	2	555.727	0.06
125	IPI00478127;	TCEAL3	0.85	1	S	0.00019984	101.13	_GTDDSPKDS(ph)QEDLQER_	3	633.925	0.06
836	IPI00855787;	TNKS1BP1	1	1	S	1.68E-17	178.44	_S(ph)QEADVQDWEFR_	2	795.317	0.06
148	IPI00514127;	HDGF	1	2	S	0.121864	56.22	_GNAEGS(ph)S(ph)DEEGKLVID EPAK_	2	1102.953	0.06
149	IPI00514127;	HDGF	1	2	S	0.121864	56.22	_GNAEGS(ph)S(ph)DEEGKLVID EPAK_	2	1102.953	0.06
57	IPI00220739;	PGRMC1	1	1	S	5.26E-56	206.63	_IVRGDQPAASGDS(ph)DDDEPP PLPR_	3	828.706	0.06
6	IPI00247063;	MME	1	1	S	7.55E-41	191.18	_GKSES(ph)QMDITDINTPKPK_	2	1034.985	0.06
426	IPI00418471	VIM	0.96	1	T	0.010615	77.455	_ET(ph)NLDSLPLVDTHSKR_	4	476.983	0.06
703	IPI00020060;	SLC9A1	1	1	S	5.98E-07	150.24	_IGS(ph)DPLAYEPK_	2	635.292	0.06
609	IPI00328293;	SRRM1	1	1	S	0.0071244	88.268	_RYS(ph)PPIQR_	2	548.769	0.07
721	IPI00307162;	VCL	1	1	S	0.00247607	89.162	_S(ph)LLDASEEAIKK_	2	692.342	0.07

253	IPI00104050	THRAP3	0.88	2	S	0.0023183	84.15	_ERS(ph)PALKS(ph)PLQSVVVR_ _DLFDLNS(ph)S(ph)EEDDTEGFS	3	642.659	0.07
673	IPI00411886;	NOC2L	1	2	S	3.04E-18	139.3	ER_ _DLFDLNS(ph)S(ph)EEDDTEGFS	2	1182.925	0.07
672	IPI00411886;	NOC2L	1	2	S	3.04E-18	139.3	ER_ _DLFDLNS(ph)S(ph)EEDDTEGFS	2	1182.925	0.07
118	IPI00024291	BAD	1	1	S	1.34E-06	135.71	_RM(ox)S(ph)DEFVDSFKK_ _RRS(ph)FS(ph)IS(ph)PVR_ _RRS(ph)FS(ph)IS(ph)PVR_ _RRS(ph)FS(ph)IS(ph)PVR_ _GT(ph)DDSPKDSQEDLQER_ _KDS(ph)LTQAQEQGNLLN_ _QSHSES(ph)PSLQSK_ _RQS(ph)FAVLR_ _(ac)SETAPAETAT(ph)PAPVEKS PAK_ _KPATPAEDEDDEDDIDLFGS(ph) DNEEEDKEAAQLR_ _ARS(ph)VS(ph)PPPKR_ _ARS(ph)VS(ph)PPPKR_ _ISLPLPNFSS(ph)LNLR_ _RSNS(ph)PDKFK_ _LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_ _RRS(ph)FS(ph)IS(ph)PVR_ _RRS(ph)FS(ph)IS(ph)PVR_ _RRS(ph)FS(ph)IS(ph)PVR_ _GT(ph)DDSPKDSQEDLQER_ _KDS(ph)LTQAQEQGNLLN_ _QSHSES(ph)PSLQSK_ _RQS(ph)FAVLR_ _(ac)SETAPAETAT(ph)PAPVEKS PAK_ _KPATPAEDEDDEDDIDLFGS(ph) DNEEEDKEAAQLR_ _ARS(ph)VS(ph)PPPKR_ _ARS(ph)VS(ph)PPPKR_ _ISLPLPNFSS(ph)LNLR_ _RSNS(ph)PDKFK_ _LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	3	528.897	0.07
2049	IPI00218624;	SON	1	3	S	0.167612	60.662	_RRS(ph)FS(ph)IS(ph)PVR_ _RRS(ph)FS(ph)IS(ph)PVR_ _RRS(ph)FS(ph)IS(ph)PVR_ _GT(ph)DDSPKDSQEDLQER_ _KDS(ph)LTQAQEQGNLLN_ _QSHSES(ph)PSLQSK_ _RQS(ph)FAVLR_ _(ac)SETAPAETAT(ph)PAPVEKS PAK_ _KPATPAEDEDDEDDIDLFGS(ph) DNEEEDKEAAQLR_ _ARS(ph)VS(ph)PPPKR_ _ARS(ph)VS(ph)PPPKR_ _ISLPLPNFSS(ph)LNLR_ _RSNS(ph)PDKFK_ _LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	722.799	0.07
2051	IPI00218624;	SON	1	3	S	0.167612	60.662	_RRS(ph)FS(ph)IS(ph)PVR_ _RRS(ph)FS(ph)IS(ph)PVR_ _RRS(ph)FS(ph)IS(ph)PVR_ _GT(ph)DDSPKDSQEDLQER_ _KDS(ph)LTQAQEQGNLLN_ _QSHSES(ph)PSLQSK_ _RQS(ph)FAVLR_ _(ac)SETAPAETAT(ph)PAPVEKS PAK_ _KPATPAEDEDDEDDIDLFGS(ph) DNEEEDKEAAQLR_ _ARS(ph)VS(ph)PPPKR_ _ARS(ph)VS(ph)PPPKR_ _ISLPLPNFSS(ph)LNLR_ _RSNS(ph)PDKFK_ _LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	722.799	0.07
2053	IPI00218624;	SON	1	3	S	0.167612	60.662	_RRS(ph)FS(ph)IS(ph)PVR_ _RRS(ph)FS(ph)IS(ph)PVR_ _RRS(ph)FS(ph)IS(ph)PVR_ _GT(ph)DDSPKDSQEDLQER_ _KDS(ph)LTQAQEQGNLLN_ _QSHSES(ph)PSLQSK_ _RQS(ph)FAVLR_ _(ac)SETAPAETAT(ph)PAPVEKS PAK_ _KPATPAEDEDDEDDIDLFGS(ph) DNEEEDKEAAQLR_ _ARS(ph)VS(ph)PPPKR_ _ARS(ph)VS(ph)PPPKR_ _ISLPLPNFSS(ph)LNLR_ _RSNS(ph)PDKFK_ _LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	722.799	0.07
118	IPI00478127;	TCEAL3	0.9	1	T	0.00019984	101.13	_GT(ph)DDSPKDSQEDLQER_ _KDS(ph)LTQAQEQGNLLN_ _QSHSES(ph)PSLQSK_ _RQS(ph)FAVLR_ _(ac)SETAPAETAT(ph)PAPVEKS PAK_ _KPATPAEDEDDEDDIDLFGS(ph) DNEEEDKEAAQLR_ _ARS(ph)VS(ph)PPPKR_ _ARS(ph)VS(ph)PPPKR_ _ISLPLPNFSS(ph)LNLR_ _RSNS(ph)PDKFK_ _LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	950.384	0.07
545	IPI00010544;	TJAP1	0.98	1	S	0.0248355	68.515	_KDS(ph)LTQAQEQGNLLN_ _QSHSES(ph)PSLQSK_ _RQS(ph)FAVLR_ _(ac)SETAPAETAT(ph)PAPVEKS PAK_ _KPATPAEDEDDEDDIDLFGS(ph) DNEEEDKEAAQLR_ _ARS(ph)VS(ph)PPPKR_ _ARS(ph)VS(ph)PPPKR_ _ISLPLPNFSS(ph)LNLR_ _RSNS(ph)PDKFK_ _LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	869.904	0.08
1083	IPI00782992;	SRRM2	0.95	1	S	0.0457194	63.588	_QSHSES(ph)PSLQSK_ _RQS(ph)FAVLR_ _(ac)SETAPAETAT(ph)PAPVEKS PAK_ _KPATPAEDEDDEDDIDLFGS(ph) DNEEEDKEAAQLR_ _ARS(ph)VS(ph)PPPKR_ _ARS(ph)VS(ph)PPPKR_ _ISLPLPNFSS(ph)LNLR_ _RSNS(ph)PDKFK_ _LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	697.801	0.08
37	IPI00218486;	SSH3	1	1	S	0.012792	128.52	_RQS(ph)FAVLR_ _(ac)SETAPAETAT(ph)PAPVEKS PAK_ _KPATPAEDEDDEDDIDLFGS(ph) DNEEEDKEAAQLR_ _ARS(ph)VS(ph)PPPKR_ _ARS(ph)VS(ph)PPPKR_ _ISLPLPNFSS(ph)LNLR_ _RSNS(ph)PDKFK_ _LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	528.771	0.08
11	IPI00217468;	HIST1H1B	0.95	1	T	3.18E-12	119.22	_(ac)SETAPAETAT(ph)PAPVEKS PAK_ _KPATPAEDEDDEDDIDLFGS(ph) DNEEEDKEAAQLR_ _ARS(ph)VS(ph)PPPKR_ _ARS(ph)VS(ph)PPPKR_ _ISLPLPNFSS(ph)LNLR_ _RSNS(ph)PDKFK_ _LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	1052.496	0.08
528	IPI00642971;	EEF1D	1	1	S	2.07E-26	119.73	DNEEEDKEAAQLR_ _ARS(ph)VS(ph)PPPKR_ _ARS(ph)VS(ph)PPPKR_ _ISLPLPNFSS(ph)LNLR_ _RSNS(ph)PDKFK_ _LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	4	915.136	0.09
314	IPI00012345	SFRS6	1	2	S	0.0547288	87.033	_ARS(ph)VS(ph)PPPKR_ _ARS(ph)VS(ph)PPPKR_ _ISLPLPNFSS(ph)LNLR_ _RSNS(ph)PDKFK_ _LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	3	418.863	0.09
316	IPI00012345	SFRS6	1	2	S	0.0547288	87.033	_ARS(ph)VS(ph)PPPKR_ _ARS(ph)VS(ph)PPPKR_ _ISLPLPNFSS(ph)LNLR_ _RSNS(ph)PDKFK_ _LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	3	418.863	0.09
420	IPI00418471	VIM	0.84	1	S	0.132877	55.439	_ISLPLPNFSS(ph)LNLR_ _RSNS(ph)PDKFK_ _LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	3	550.959	0.09
419	IPI00000634;	CCDC6	1	1	S	2.43E-06	117.35	_RSNS(ph)PDKFK_ _LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	579.769	0.09
322	IPI00329054	OSTM1	0.75	1	S	0.0493274	63.85	_LKS(ph)STSFANIQENSN_ _AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	860.383	0.09
750	IPI00328293;	SRRM1	0.99	1	S	5.67E-06	112.01	_AAS(ph)PSPQSVR_ _AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	540.248	0.09
139	IPI00555744;	RPL14	1	1	S	0.0281936	130.93	_AALLKAS(ph)PK_ _S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	489.773	0.09
780	IPI00782992;	SRRM2	1	2	S	0.189076	52.782	_S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	590.211	0.09
778	IPI00782992;	SRRM2	1	2	S	0.189076	52.782	_S(ph)LS(ph)GSSPCPK_ _S(ph)LS(ph)GSSPCPK_ _KGAGDGS(ph)DEEVDGKADGA EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	590.211	0.09
1943	IPI00019502;	MYH9	1	1	S	1.52E-79	234.88	EAK_ _SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	1043.434	0.09
94	IPI00290110;	PDCD4	0.89	1	S	0.00081819	93.536	_SGLTVPTS(ph)PK_ _VTTEIQLPSQS(ph)PVEEQSPAS LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	533.763	0.09
867	IPI00409590;	LMO7	0.97	1	S	7.98E-07	80.066	LSSLR_ _SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	3	921.786	0.1
358	IPI00220158;	ADD1	0.95	1	S	0.0248355	68.515	_SPGS(ph)PVGEGTGSPPK_ _KVS(ph)IFR_	2	717.319	0.1
187	IPI00432363;	MACF1	1	1	S	0.157002	68.258	_KVS(ph)IFR_	2	415.22	0.1

1509	IPI00221325	RANBP2	0.99	1	S	0.11493	48.846	_KQS(ph)LPATSIPTASFK_	2	876.95	0.1
137	IPI00643342;	PEA15	1	1	S	5.06E-06	108.77	_QPS(ph)EEEEIK_	2	576.763	0.11
4622	IPI00014898;	PLEC1	0.87	1	S	2.82E-06	100.53	_GYSPYSVSGSGS(ph)TAGSR_	2	931.883	0.11
244	IPI00007423	ANP32B	1	1	T	0.00102008	112.01	_KRET(ph)DDEGEDD_	2	694.746	0.11
405	IPI00009771;	LMNB2	1	1	S	0.0587974	84.823	_LKLS(ph)PSPSSR_	2	576.295	0.11
100	IPI00290239;	CAMKK2	1	1	S	0.0204923	111.83	_KLS(ph)LQER_	2	477.244	0.11
429	IPI00328293;	SRRM1	0.77	2	S	0.0819795	76.632	_KSRVS(ph)VS(ph)PGR_	2	616.781	0.12
431	IPI00328293;	SRRM1	1	2	S	0.0819795	76.632	_KSRVS(ph)VS(ph)PGR_	2	616.781	0.12
41	IPI00304409	CARHSP1	1	1	S	0.00102008	112.01	_GNVVPS(ph)PLPTR_	2	608.808	0.12
10	IPI00103530;	ATL1	1	1	S	0.00317762	89.162	_DRNS(ph)WGGFSEK_	2	681.777	0.12
1923	IPI00782992;	SRRM2	1	3	S	0.0883219	74.808	_S(ph)RS(ph)RT(ph)PPVTR_	2	698.78	0.12
4	IPI00375144;	SRRT	1	1	S	0.139938	63.85	_(ac)GDS(ph)DDEYDRR_	2	675.236	0.13
934	IPI00291607	ITPR3	0.96	1	S	4.38E-10	100.58	_KQS(ph)VFSAPLSAGASAAEPL DR_	2	1135.047	0.13
250	IPI00419249;	PSMA3	1	1	S	2.09E-42	213.69	_ESLKEEDS(ph)DDDNM(ox)_	2	876.296	0.13
83	IPI00028888;	HNRNPD	0.92	1	S	5.84E-83	251.61	_IDASKNEEDEGHSSNS(ph)PR_	2	1026.419	0.13
214	IPI00418471;	VIM	1	1	S	0.060343	108.14	_QVDNAS(ph)LAR_	2	584.753	0.13
66	IPI00396015;	ACACA	1	1	S	2.13E-10	109.65	_FIIGSVSEDNS(ph)EDEISNLVK_	2	1138.023	0.13
31	IPI00022228;	HDLBP	1	1	S	0.00737446	73.116	_VATLNS(ph)EEESDPPTYK_	2	930.401	0.13
308	IPI00008274;	CAP1	0.89	1	S	1.61E-29	163.43	_PQTS(ph)PSPKR_	2	539.258	0.13
511	IPI00410287;	PRKAA1	0.94	1	S	0.012792	128.52	_SGS(ph)VSNYR_	2	475.192	0.13
203	IPI00908318;	OXR1	0.85	1	T	5.04E-08	117.38	_VVSST(ph)SEEEAFTEK_	2	876.367	0.14
432	IPI00170778	FNBP4	0.99	1	S	0.00897529	84.823	_ALEEGDGSVSGSS(ph)PR_	2	764.32	0.14
298	IPI00168849;	TRIP10	0.94	2	S	0.00065477	83.606	_APSDS(ph)SLGTPS(ph)DGRPEL R_	2	1001.419	0.14
563	IPI00419847;	SORBS3	0.86	1	S	0.0738263	60.018	_SPADPTDLGGQTS(ph)PR_	2	789.843	0.14
41	IPI00922181;	MCM2	0.91	1	S	0.00317762	89.162	_RTDALTS(ph)PGR_	2	620.788	0.14
255	IPI00414676;	HSP90AB1	1	1	S	1.70E-53	228.19	_IEDVGS(ph)DEEDDSGK_	2	787.791	0.14
47	IPI00329692;	NMT1	1	1	S	8.98E-06	115.98	_GGLS(ph)PANDTGAK_	2	584.256	0.15
1982	IPI00782992;	SRRM2	1	3	S	0.058478	84.997	_S(ph)RS(ph)RT(ph)SPVTR_	2	693.77	0.15
197	IPI00107104	CXorf26	1	1	S	0.209319	47.469	_GADS(ph)GEEKEEGINR_	2	785.823	0.16

167	IPI00176903;	PTRF	0.96	1	S	0.00020617	145.18	_LPAKLS(ph)ISK_	2	518.794	0.16
24	IPI00746455;	FARP1	0.95	1	T	1.79E-06	113.06	_LGAPENSGIST(ph)LER_	2	762.359	0.17
257	IPI00104050	THRAP3	0.99	2	S	0.0023183	84.15	_ERS(ph)PALKSPLQS(ph)VVVR_	2	963.484	0.17
751	IPI00409590;	LMO7	0.99	1	S	0.00160637	96.193	_RKS(ph)YTSDLQK_	2	653.314	0.17
2040	IPI00298994	TLN1	1	1	S	0.00081819	93.536	_VLVQNAAGS(ph)QEK_	2	662.319	0.17
32	IPI00008711	WFS1	1	1	S	6.54E-05	136.96	_LNATAS(ph)LEQER_	2	656.301	0.18
71	IPI00012545;	TGOLN2	1	1	S	8.62E-57	215.32	_DSPSKSS(ph)AEAQTPEPTPNK_	2	1034.939	0.18
6	IPI00759683;	CAV1	1	1	S	5.04E-08	117.38	_(ac)ADELS(ph)EKQVYDAHTK_	2	928.409	0.18
135	IPI00011268;	RALY	1	1	S	0.0582156	96.193	_GRSL(ph)PVPVPR_	2	579.313	0.18
1549	IPI00413362;	SIPA1L1	0.94	1	S	7.70E-11	143.95	_LIDLES(ph)PTPESQK_	2	768.863	0.18
431	IPI00000015	SFRS4	1	1	S	0.00251508	82.056	_EGRGES(ph)ENAGTNQETR_	2	907.869	0.18
80	IPI00180404;	NEXN	1	1	S	0.00027174	102.36	_EM(ox)LAS(ph)DDEEDVSSK_	2	825.808	0.18
10	IPI00829992	MYO1C	1	1	S	8.69E-05	108.14	_ASALGS(ph)DGVR_	2	506.727	0.18
9	IPI00796864;	DPM1	1	1	S	0.0582156	96.193	_(ac)ASLEVSRS(ph)PR_	2	612.293	0.18
45	IPI00304409	CARHSP1	0.77	3	T	0.00102008	112.01	_ERS(ph)PSPLRGNVVPV(ph)PLP T(ph)R_	2	1150.024	0.19
204	IPI00018195;	MAPK3	0.85	1	Y	0.00679166	69.159	_IADPEHDHTGFLTEY(ph)VATR_	3	751.339	0.19
2115	IPI00871932;	SPTBN1	1	1	S	2.11E-15	176.78	_RPPS(ph)PEPSTK_	2	588.276	0.19
454	IPI00013290;	HDGFRP2	1	1	S	0.0547288	87.033	_KRS(ph)EGFSMDR_	3	431.52	0.2
4908	IPI00021812;	AHNAK	1	1	S	0.00160637	96.193	_M(ox)PS(ph)LEISAPK_	2	584.77	0.2
405	IPI00029601;	CTTN	1	2	S	6.54E-28	177.71	_T(ph)QTPPVS(ph)PAPQPTEER	2	947.903	0.2
450	IPI00328293;	SRRM1	0.95	1	S	6.54E-05	136.96	_RESPS(ph)PAPKPR_	2	651.322	0.2
16	IPI00012268;	PSMD2	1	1	S	2.32E-25	132.79	_DKAPVQPQQS(ph)PAAAPGGT	3	847.738	0.2
752	IPI00328293;	SRRM1	0.94	1	S	5.67E-06	112.01	_KAASPS(ph)PQSVR_	2	604.295	0.2
122	IPI00296526;	NAGK	0.99	1	S	0.00139945	91.397	_SLGLSLS(ph)GGDQEDAGR_	2	821.359	0.2
383	IPI00032064;	AKAP2	0.99	1	S	5.50E-09	98.422	_DALGDSLQVPVS(ph)PSSTTSSR	3	695.323	0.21
313	IPI00304740;	ITSN1	0.77	1	S	3.12E-05	106.79	_S(ph)GSGISVISSTSVQDR_	2	830.383	0.21
2409	IPI00289819;	IGF2R	1	1	S	6.66E-16	114.08	_ALSSLHGDDQDS(ph)EDEVLTIP EVK_	2	1289.084	0.21

352	IPI00012545;	TGOLN2	0.91	1	S	0.0100785	84.823	_MSGSSASS(ph)ENR_	2	553.203	0.22
86	IPI00044683;	ALS2CR4	1	1	S	0.0542305	68.459	_RPS(ph)EGNEPSTK_	2	641.277	0.22
327	IPI00009146	TRAFD1	0.82	1	S	0.14472	50.855	_ALPSLNTGSSS(ph)PR_	2	683.822	0.22
600	IPI00479424;	KLC1	1	1	S	3.97E-06	127.93	_ASS(ph)LNVLNVGGK_	2	619.811	0.23
82	IPI00025512;	HSPB1	1	1	S	0.060343	108.14	_QLS(ph)SGVSEIR_	2	578.274	0.23
249	IPI00328868;	HS1BP3	0.99	1	S	1.24E-05	91.235	_KLS(ph)PQDPSEDVSSVDPLK_ _GLFS(ph)DEESEDLFSSQSASK	3	674.321	0.23
539	IPI00792422;	FAM21A	1	1	S	2.48E-49	194.68	_	2	1129.455	0.23
392	IPI00885104;	MPHOSPH8	1	1	S	0.163614	97.769	_RLS(ph)GEER_	2	463.708	0.24
842	IPI00856045;	AHNAK2	1	1	S	0.0465702	68.459	_M(ox)PS(ph)FGVSAPGK_	2	587.254	0.24
252	IPI00292953;	RAI14	0.89	1	T	0.0170283	72.844	_ISQDADLKT(ph)PTKPK_	2	811.413	0.24
30	IPI00549564;	ACSS2	1	1	S	0.0582156	96.193	_SWS(ph)PPPEVSR_	2	611.269	0.24
509	IPI00394838;	ACLY	1	1	S	3.12E-05	106.79	_TAS(ph)FSESR_	2	482.692	0.25
310	IPI00008274;	CAP1	0.85	1	S	1.61E-29	163.43	_SGPKPFSAPKQTPSPS(ph)PK_ _AAPEASS(ph)PPAS(ph)PLQHLL	3	639.987	0.25
692	IPI00647286;	C9orf88	0.86	2	S	0.0603246	60.547	PGK_ _KLEKEEEEGISQES(ph)S(ph)EEE	2	1064.497	0.25
117	IPI00442843;	HMGA1	1	2	S	1.57E-05	82.838	Q_ _KLEKEEEEGISQES(ph)S(ph)EEE	3	799.647	0.25
116	IPI00442843;	HMGA1	1	2	S	1.57E-05	82.838	Q_	3	799.647	0.25
52	IPI00219446;	PEBP1	0.97	1	S	0.00801416	86.822	_NRPTS(ph)ISWDGLDSGK_	2	856.886	0.25
321	IPI00301421;	ZC3HC1	1	1	S	0.139938	63.85	_LPLVPES(ph)PRR_ _GLFS(ph)DEESEDLFSSQSASN	2	622.332	0.25
539	IPI00514705;	FAM21C	1	1	S	0.0342424	46.911	LK_	2	1243.018	0.26
369	IPI00295542;	NUCB1	1	1	S	7.70E-11	143.95	_AQRSL(ph)QETEALGR_	3	513.582	0.26
94	IPI00243221;	NRD1	0.99	1	S	7.79E-10	124.18	_RGS(ph)LSNAGDPEIVK_ _AKTQT(ph)PPVS(ph)PAPQPTE	2	761.867	0.26
401	IPI00029601;	CTTN	1	2	T	6.54E-28	177.71	ER_	2	1047.469	0.26
2257	IPI00020356;	MAP1A	1	2	S	8.56E-11	128.36	_NTSAEKELSS(ph)PIS(ph)PK_	2	874.381	0.27
1354	IPI00336047;	MYO9B	0.92	1	S	0.00115368	100.32	_RTS(ph)FSTSDVSK_	2	647.787	0.27
24	IPI00033600;	PPP1R7	1	2	S	1.72E-06	113.22	_RVES(ph)EES(ph)GDEEGKK_	3	580.224	0.27
93	IPI00290110;	PDCD4	0.92	1	T	0.00081819	93.536	_SGLTVPT(ph)SPKGR_	2	640.324	0.27
604	IPI00789551;	MATR3	0.98	1	S	0.00576649	92.082	_SYSPDGKES(ph)PSDKK_	2	802.846	0.27

8	IPI00402231;	DNAJC5	0.97	1	S	3.43E-09	121.73	_S(ph)LSTSGESLYHVLGLDK_	2	943.451	0.27
273	IPI00218260;	NFIX	0.99	1	S	0.0806051	58.94	_S(ph)ITSPSTSTTK_	2	643.797	0.28
944	IPI00658152;	TNS3	0.81	1	S	0.0281936	130.93	_RESSSS(ph)AER_ _REEDEPEERS(ph)GDETPGSEVP	2	544.722	0.28
161	IPI00456887;	HNRNPUL2	1	1	S	3.30E-05	79.087	GDK_	3	875.359	0.28
448	IPI00328293;	SRRM1	1	1	S	6.54E-05	136.96	_RES(ph)PSPAPKPR_	3	434.55	0.28
1443	IPI00009342	IQGAP1	1	1	S	0.117215	54.649	_S(ph)VKEDSNLTLEK_	2	785.872	0.29
95	IPI00297579	CBX3	1	1	S	1.33E-33	208.96	_KSLS(ph)DSESDSK_	2	689.275	0.29
285	IPI00100199;	CYBRD1	0.94	1	T	7.44E-10	131.77	_NLALDEAGQRST(ph)M(ox)_	2	751.321	0.3
524	IPI00479424;	KLC1	0.98	1	S	5.98E-07	150.24	_SRES(ph)LNVDVVK_	2	663.327	0.3
1076	IPI00157757;	MICAL1	1	1	S	0.00035686	97.936	_RLS(ph)ELALGTGAQG_	2	676.832	0.3
1227	IPI00917650;	FAM38A	1	1	S	0.0281936	130.93	_TAS(ph)ELLDDR_	2	549.266	0.31
1779	IPI00008868	MAP1B	1	1	S	6.63E-13	166.7	_VQSLEGEKLS(ph)PK_	2	697.85	0.31
306	IPI00218487;	GJA1	1	1	S	0.00251508	82.056	_QAS(ph)EQNWANYSAEQNR_	2	988.4	0.31
652	IPI00021405;	LMNA	0.94	1	S	0.0878364	74.948	_SYLLGNSS(ph)PR_ _KPSLVSDLPWEGAAPQS(ph)PS	2	587.269	0.32
222	IPI00009505;	SNTB2	0.97	1	S	3.51E-17	102.48	FSGSEDSGSPK_	3	1042.143	0.32
38	IPI00479997;	STMN1	1	1	S	0.00849733	72.844	_SKESVPEFPLS(ph)PPK_ _GQKS(ph)PGALETPSAAGSQGN	2	811.397	0.32
624	IPI00032064;	AKAP2	0.98	1	S	7.98E-07	80.066	TASQ GK_	3	803.706	0.32
162	IPI00017842;	TP53I11	1	1	S	0.0587974	84.823	_KHS(ph)QTDLVS_	2	625.798	0.33
2	IPI00911094;	DAP	0.78	1	S	0.04127	74.039	_(ac)S(ph)SPPEGKLETK_ _ALPAAAEDGS(ph)PVFEGGPPS	2	647.8	0.33
1107	IPI00743456;	GPR124	1	1	S	1.41E-11	104.95	LK_ _VAAAAGSGPS(ph)PPGS(ph)PG	2	1045.496	0.33
47	IPI00020124	PI4K2A	1	2	S	1.18E-05	85.495	HDRER_ _VAAAAGSGPS(ph)PPGS(ph)PG	3	711.635	0.33
51	IPI00020124	PI4K2A	1	2	S	1.18E-05	85.495	HDRER_ _AAPEASS(ph)PPAS(ph)PLQHLL	3	711.635	0.33
696	IPI00647286;	C9orf88	1	2	S	0.0603246	60.547	PGK_	2	1064.497	0.34
212	IPI00021812	AHNAK	0.99	1	S	7.20E-35	175.05	_LPSGS(ph)GAASPTGSAVDIR_	2	861.907	0.34
7	IPI00647400	RNPEP	1	1	S	7.70E-11	143.95	_(ac)ASGEHS(ph)PGSGAAR_	2	653.265	0.35
693	IPI00018274;	EGFR	0.99	1	T	1.66E-15	134.89	_ELVEPLT(ph)PSGEAPNQALLR_	2	1057.53	0.35

4	IPI00247063;	MME	1	1	S	7.55E-41	191.18	_GKS(ph)ESQMDITDINTPKPK_	3	690.326	0.35
835	IPI00442274	NFXL1	1	1	S	0.00317762	89.162	_KAS(ph)EIKEAEAK_	2	642.316	0.35
296	IPI00807625;	FNBP1	1	1	S	5.67E-06	112.01	_TVS(ph)DNSLSNSR_ _GLAEVQQDGEAEEGATS(ph)D	2	630.267	0.35
598	IPI00217683;	AKAP12	0.99	1	S	3.55E-21	143.72	GEK_	2	1100.45	0.36
1216	IPI00925413;	EIF4G1	0.85	1	S	0.00317762	89.162	_AAS(ph)LTEDRDR_	2	607.264	0.36
1757	IPI00292771;	NUMA1	1	1	S	1.31E-34	167.52	_TQPDGTSVPGEPAS(ph)PISQR_	2	1002.457	0.37
1003	IPI00782992;	SRRM2	1	1	T	0.0588821	59.283	_AQT(ph)PPGPSLSGSK_	2	653.806	0.37
5731	IPI00021812;	AHNAK	1	1	S	1.14E-45	208.55	_GGVTGS(ph)PEASISGSK_	2	707.317	0.37
668	IPI00400812;	SSFA2	1	1	S	0.00069284	100.94	_SLAS(ph)IEAK_	2	449.718	0.38
1331	IPI00217683;	AKAP12	1	1	S	0.012792	128.52	_SPPS(ph)PVER_	2	474.713	0.38
563	IPI00411937	NOP56	0.93	1	S	0.0257447	60.547	_KFS(ph)KEEPVSSGPEEAVGK_	3	662.314	0.38
97	IPI00411356	VPS4A	0.8	1	S	0.0170283	72.844	_GSDS(ph)DSEGDNPEKK_	2	772.791	0.38
365	IPI00180404;	NEXN	0.97	1	S	0.00317762	89.162	_TIS(ph)QEFLTPGK_	2	650.813	0.39
1022	IPI00179757;	KIF1C	1	1	S	0.00892842	110.05	_RPPS(ph)PR_ _KLEKEEEEGIS(ph)QES(ph)S(ph)	2	395.192	0.4
113	IPI00442843;	HMGA1	1	3	S	1.57E-05	82.838	)EEEEQ_ _TEATQGLDYVPSAGTIS(ph)PTS(	2	1238.95	0.41
1134	IPI00020356;	MAP1A	0.83	2	S	9.65E-10	81.365	ph)SLEEDKGFK_	3	1063.47	0.41
142	IPI00513853;	STX12	1	1	S	0.0587974	84.823	_AGSRLS(ph)AEER_	2	578.261	0.41
277	IPI00021405;	LMNA	1	1	S	0.0587974	84.823	_LDNARQS(ph)AER_	2	620.278	0.42
108	IPI00010204;	SFRS3	1	1	S	0.163614	97.769	_RRS(ph)PPPR_	2	473.243	0.43
137	IPI00006865	SEC22B	1	1	S	4.71E-69	244.75	_RNLGS(ph)INTELQDVQR_	2	911.944	0.43
1721	IPI00014898;	PLEC1	1	1	S	0.0719115	72.206	_RAS(ph)FAEK_	2	444.702	0.44
326	IPI00303195;	SYNC	1	1	S	0.0168101	82.241	_RLS(ph)AQFENLMAESR_	2	866.398	0.44
1346	IPI00336047;	MYO9B	0.9	1	T	0.0260507	73.06	_ATGAALT(ph)PTEER_	2	648.795	0.44
27	IPI00033600;	PPP1R7	1	1	S	0.00576649	92.082	_RVESEES(ph)GDEEGKK_	3	553.568	0.45
171	IPI00442038;	IL16	1	1	S	0.032903	74.039	_QPYSLCS(ph)NRK_	2	666.792	0.45
750	IPI00021129	AP3B1	1	2	S	0.0244449	67.165	_GKS(ph)DS(ph)EDGEKENEK_	2	856.308	0.45
752	IPI00021129	AP3B1	1	2	S	0.0244449	67.165	_GKS(ph)DS(ph)EDGEKENEK_	2	856.308	0.45
672	IPI00104050	THRAP3	1	1	S	0.144934	120.67	_NKKS(ph)PEIHR_	2	594.798	0.46
130	IPI00303882	M6PRBP1	0.83	1	S	0.172366	48.846	_ELVSSKVS(ph)GAQEMVSSAK_	2	958.955	0.46

195	IPI00789551;	MATR3	0.88	1	S	0.0356565	45.13	_RDSFDDRGPS(ph)LNPVLDYDH	4	650.29	0.48
51	IPI00020567	ARHGAP1	0.98	1	S	0.0198933	80.535	GSR_	3	426.543	0.5
14	IPI00294501	DHCR7	1	1	S	0.0542305	68.459	_SSS(ph)PELVTHLK_	2	628.288	0.51
19	IPI00021405;	LMNA	0.98	1	T	0.00576649	92.082	_AKS(ph)LDGVTNDR_	2	720.33	0.51
499	IPI00168336;	LEMD2	0.99	1	S	1.52E-05	104.52	_SGAQASST(ph)PLSPTR_	2	753.817	0.52
27	IPI00479018;	SDCBP	1	1	S	0.186767	50.855	_WTKPSSF(ph)DSER_	2	814.895	0.53
710	IPI00007334;	ACIN1	1	1	S	0.0295307	120.67	_(ac)SLYPS(ph)LEDLKVDK_	2	612.785	0.53
1084	IPI00333541;	FLNA	1	1	S	0.00251508	82.056	_RLS(ph)QPESAEK_	2	755.346	0.54
507	IPI00394838;	ACLY	0.79	1	T	3.12E-05	106.79	_AFGPGQLQGGAGS(ph)PAR_	2	873.391	0.54
73	IPI00418471	VIM	0.92	1	S	0.181464	117.35	_T(ph)ASFESRADEVAPAK_	3	350.853	0.54
436	IPI00031023;	FLII	1	1	S	0.00115368	100.32	_LRSS(ph)VPGVR_	2	671.293	0.54
11	IPI00290461;	EIF3J	0.88	1	S	1.86E-15	109.69	_RKDS(ph)AQDDQAK_	3	905.724	0.54
5752	IPI00021812;	AHNAK	1	1	S	3.64E-38	187	_(ac)AAAAAAGDS(ph)DSWDA	2	906.899	0.55
5077	IPI00021812;	AHNAK	1	1	S	0.00029834	126.79	DAFSVEDPVRK_	2	426.715	0.55
174	IPI00021048;	MYOF	1	1	S	4.96E-13	156.57	_ASLGS(ph)LEGEAEAEASSPK_	2	682.832	0.55
624	IPI00025202;	FMNL1	1	1	S	0.060343	108.14	_VDVKS(ph)PK_	2	569.269	0.58
188	IPI00789551;	MATR3	1	1	S	0.0204923	111.83	_GPVGTVS(ph)EAQLAR_	2	495.687	0.59
625	IPI00742944	FMN2	1	1	S	0.00059706	120.67	_RDS(ph)ELGPGVK_	2	657.772	0.59
216	IPI00021812	AHNAK	0.89	1	S	7.20E-35	175.05	_RDS(ph)FDDR_	2	861.907	0.59
395	IPI00021405;	LMNA	1	2	S	1.94E-05	141.09	_S(ph)ADWTEELGAR_	2	701.318	0.6
112	IPI00018798	DNAJC17	1	1	S	0.0168101	82.241	_LPSGGAAS(ph)PTGSAVDIR_	2	865.331	0.6
705	IPI00856098;	RRBP1	0.9	1	S	0.0465702	68.459	_LRLS(ph)PSPTS(ph)QR_	2	599.279	0.61
1987	IPI00782992;	SRRM2	0.96	1	S	0.130392	114.35	_QAQAQES(ph)EEEEESR_	2	492.237	0.61
2026	IPI00292771;	NUMA1	0.89	1	S	0.139938	63.85	_KAEGSPS(ph)EGKK_	2	614.8	0.62
72	IPI00418471	VIM	0.95	1	S	0.181464	117.35	_SRTS(ph)PVTR_	2	525.776	0.62
210	IPI00021812	AHNAK	1	1	S	7.20E-35	175.05	_KQS(ph)TTEAQKK_	2	861.907	0.62
104	IPI00216308;	VDAC1	0.98	1	S	0.00576649	92.082	_LRS(ph)SVPGVR_	2	804.869	0.63
893	IPI00856116;	PALLD	1	1	S	2.48E-49	194.68	_LPS(ph)GSGAASPTGSAVDIR_	2	635.782	0.63
15	IPI00024976	TOMM22	1	1	S	1.41E-11	104.95	_LTFDSSF(ph)PNTGKK_	2	1042.999	0.64
136	IPI00022477	BCL10	0.83	1	S	0.00108315	96.193	_IAS(ph)DEEIQGTK_	2	662.24	0.64
								_(ac)AAAVAAAGAGEPQS(ph)P			
								DELLPK_			
								S(ph)NSDESINFSEK			

93	IPI00297579	CBX3	0.99	1	S	1.33E-33	208.96	_RKS(ph)LSDSESDDSK_	2	767.325	0.65
2336	IPI00333541;	FLNA	1	1	T	3.34E-09	120.05	_RLT(ph)VSSLQESGLK_	2	749.387	0.65
243	IPI00104050	THRAP3	1	1	S	0.0295307	120.67	_ASAVSELS(ph)PR_	2	548.755	0.65
29	IPI00791060;	MERIT40	0.97	1	S	0.0265948	78.538	_TRS(ph)NPEGAEDR_	2	656.27	0.69
15	IPI00783313;	PYGL	1	1	S	0.204201	95.09	_RQIS(ph)IR_	2	426.726	0.69
978	IPI00024766	PLXNC1	1	1	S	0.00521459	91.235	_KQS(ph)QQELLESELRK_	3	636.998	0.69
4030	IPI00014898;	PLEC1	1	1	T	0.0295307	120.67	_QIT(ph)MEELVR_	2	599.781	0.71
59	IPI00021369;	CRYAB	1	1	S	0.00035686	97.936	_APS(ph)WFDTGLSEM(ox)R_	2	796.826	0.72
305	IPI00336081;	MYLK	1	1	S	0.0200819	64.591	_GGG(ph)PPWAANSQPQPPR_	2	863.888	0.74
516	IPI00007675;	DYNC1L1	0.76	1	S	0.00027534	78.282	_KPVTVSPTTPTS(ph)PTEGEAS_	2	983.456	0.74
25	IPI00479997;	STMN1	1	1	S	0.0121282	77.654	_ASGQAFELILS(ph)PR_	2	734.863	0.75
618	IPI00020984	CANX	1	1	S	8.98E-06	115.98	_AEDEILNRS(ph)PR_	2	754.841	0.78
364	IPI00413817	SERINC1	0.97	1	S	0.00035686	97.936	_SDGS(ph)LEDGDDVHR_	2	741.281	0.79
142	IPI00794221;	DBN1	0.99	1	S	0.130392	114.35	_LSS(ph)PVLHR_	2	494.752	0.81
135	IPI00021812	AHNAK	1	1	S	5.19E-34	183.28	_LKS(ph)EDGVEGDLGETQSR_	2	950.42	0.83
406	IPI00021405;	LMNA	0.86	1	S	1.61E-29	163.43	_ASSHS(ph)SQTQGGGSVTK_	2	799.844	0.83
19	IPI00438229;	TRIM28	0.75	1	S	0.166289	56.371	_h)PGPGEGSAGGEKR_	3	889.067	0.84
575	IPI00104050	THRAP3	1	1	S	0.139938	63.85	_M(ox)DS(ph)FDEDLAR_	2	647.737	0.84
184	IPI00647915;	TAGLN2	1	1	S	0.00045484	124.22	_NFS(ph)DNQLQEGK_	2	680.282	0.84
495	IPI00646377;	EIF4G3	1	1	S	0.0170283	72.844	_RS(ph)PVPAQIAITVPK_	2	778.932	0.85
691	IPI00855787;	TNKS1BP1	0.97	1	S	0.149656	69.159	_WLDDLAS(ph)PPPSGGGAR_	2	894.919	0.86
531	IPI00006079;	BCLAF1	1	1	S	0.0907378	74.039	_STFREES(ph)PLR_	2	651.298	0.9
794	IPI00023649;	SBNO1	0.85	1	S	0.0453583	62.096	_S(ph)IDPDSIQSALLASGLGSK_	2	969.975	0.93
199	IPI00550181;	CHMP2B	1	1	S	0.0907378	74.039	_ATIS(ph)DEEIER_	2	621.766	0.97
157	IPI00395002;	HOMER3	0.78	1	S	1.52E-05	104.52	_S(ph)QSADAPGPTER_	2	648.267	0.97
392	IPI00021405;	LMNA	0.99	1	S	6.54E-05	136.96	_LRLSPS(ph)PTSQR_	2	661.335	1.03
22	IPI00021405;	LMNA	0.97	1	S	0.00576649	92.082	_SGAQASSTPLS(ph)PTR_	2	720.33	1.07
2706	IPI00782992;	SRRM2	0.9	1	S	0.139938	63.85	_RRPSPQPS(ph)PR_	2	629.314	1.13
1121	IPI00856116;	PALLD	1	1	S	1.95E-25	186.01	_SRDS(ph)GDENEPIQER_	2	856.35	1.15

1435	IPI00014898;	PLEC1	1	1	S	0.0265948	78.538	_AQLEPVAS(ph)PAK_	2	595.794	1.16
698	IPI00217683;	AKAP12	0.98	1	S	6.63E-13	166.7	_RGSSS(ph)DEEGGPK_	2	643.256	1.17
697	IPI00217683;	AKAP12	1	3	S	6.63E-13	166.7	_RGS(ph)S(ph)S(ph)DEEGGPK_	2	723.223	1.17
256	IPI00644297;	SKI2W	1	1	S	0.060343	108.14	_ASS(ph)LEDLVLK_	2	577.789	1.2
525	IPI00410488;	CD276	1	1	S	0.0121282	77.654	_HSDS(ph)KEDDGQIEA_	2	755.788	1.2
418	IPI00029601;	CTTN	0.99	1	S	7.27E-13	135.71	_LPSS(ph)PVYEDAASFK_	2	795.858	1.28
423	IPI00021405;	LMNA	1	1	S	0.130392	114.35	_KLES(ph)TESR_	2	515.234	1.3
105	IPI00008529;	RPLP2	1	1	S	5.19E-34	183.28	_KEESEES(ph)DDDM(ox)GFGLF	2	1023.364	1.32
387	IPI00742743;	TP53BP1	0.79	1	T	0.0121891	70.232	D_	2	906.414	1.35
403	IPI00021405;	LMNA	0.88	1	S	1.61E-29	163.43	_STPFIVPSSPT(ph)EQEGR_	2	799.844	1.41
349	IPI00182540;	CTNND1	0.98	1	S	5.67E-06	112.01	_AS(ph)SHSSQTQGGGSVTK_	2	613.811	1.46
560	IPI00218694;	CALD1	0.97	1	S	0.140787	54.649	_GSLAS(ph)LDLRLK_	2	684.842	1.46
404	IPI00020513;	ZYX	1	1	S	0.0104449	84.823	_QSVDKVTS(ph)PTKV_	2	559.286	1.51
404	IPI00021405;	LMNA	0.94	1	S	1.61E-29	163.43	_S(ph)PGAPGPLTK_	2	799.844	1.55
407	IPI00021405;	LMNA	1	2	S	1.61E-29	163.43	_ASS(ph)HSSQTQGGGSVTK_	2	839.827	1.58
471	IPI00023191;	TOM1	0.84	1	S	7.92E-09	84.546	_ASS(ph)HSS(ph)QTQGGGSVTK	2	859.082	1.58
199	IPI00215884;	SFRS1	0.98	1	S	0.0179652	68.222	_AADRLPNLSS(ph)PSAEGPPGPP	3	749.364	1.67
280	IPI00396171;	MAP4	1	1	S	7.27E-13	135.71	SGPAPR_	2	822.384	2.07
463	IPI00465428;	VPS13C	1	1	S	0.147929	59.232	_VKVDGPRS(ph)PSYGR_	2	522.242	2.53
102	IPI00008529;	RPLP2	1	1	S	5.19E-34	183.28	_DM(ox)ES(ph)PTKLDVTLAK_	2	1015.367	2.7
565	IPI00002790	SEL1L	0.94	1	S	0.132176	51.98	_KKS(ph)ADTGEK_	2	971.437	4.56
34	IPI00887936	CYorf16	1	1	S	0.0719115	72.206	_KEES(ph)EESDDDMGFGLFD_	2	470.7	4.98
								GRWSERLMTAYNS(ph)YK	2		
								SPVS(ph)EWR	2		

Supplementary table 6: Keratinocyte phosphorylation site dynamics during cell culture. Phosphopeptides were purified from unlabeled keratinocytes (D1) and compared to phosphopeptides from labeled keratinocytes (D7) using MaxQuant.¹¹ Only sites with a localization probability >0.75 were considered (class I sites).¹² Peptides were identified with a false-discovery rate <1%. For details see experimental section.

Position	Proteins	Gene Names	Localization Prob	Number of Phospho sites (STY)	Amino Acid	PEP	PTM Score	Modified Sequence	Charge	m/z	norm Log2 peptide ratio
117	IPI00442843	HMGA1	0.89	1	S	0.001267	78.28	_KLEKEEEEGISQESS(ph)EEEQ_	2	1158.984	-3.18
5763	IPI00021812	AHNAK	0.99	1	S	7.57E-14	130.49	_ASLGSLEGEAEAEASS(ph)PK_ _LLEGEDAHLSSSQFSSGSQSS(ph)R	2	906.899	-3.18
438	IPI00384444	KRT14	0.84	1	S	7.16E-102	226.23	_	3	797.015	-3.17
116	IPI00442843	HMGA1	0.77	1	S	0.001267	78.28	_KLEKEEEEGISQES(ph)SEEEQ_	2	1158.984	-2.97
69	IPI00604620	NCL	0.92	1	T	0.0135935	128.52	_KVVVSPT(ph)KK_	2	533.307	-2.93
548	IPI00185919	LARP1	0.99	1	S	1.06E-09	130.49	_GLSAS(ph)LPDLSENWIEVK_	2	1026.980	-2.85
139	IPI00555744	RPL14	1.00	1	S	0.0789022	92.16	_AALLKAS(ph)PK_	2	489.773	-2.79
633	IPI00916405	MLTK	1.00	1	S	0.0057324	78.54	_YQQITPVNQS(ph)R_	2	707.330	-2.71
71	IPI00015953	DDX21	1.00	1	S	8.31E-06	97.94	_KKAEPSEVDM(ox)NS(ph)PK_	3	552.583	-2.50
38	IPI00024933	RPL12	1.00	1	S	0.161226	80.54	_IGPLGLS(ph)PK_	2	481.260	-2.46
232	IPI00012442	G3BP1	0.93	1	S	3.23E-40	171.16	_SSS(ph)PAPADIAQTVQEDLR_	2	982.952	-2.45
127	IPI00168885	DHX57	1.00	1	S	2.60E-12	131.77	_DLQEQQADAGS(ph)ER_	2	757.294	-2.39
38	IPI00479997	STMN1	1.00	1	S	0.133651	54.65	_SKESVPEFPLS(ph)PPK_	2	811.397	-2.38
220	IPI00021812	AHNAK	0.83	1	S	8.02E-109	251.61	_LPSGGAASPTGS(ph)AVDIR_	2	861.907	-2.35
241	IPI00021840	RPS6	0.89	1	T	0.0038145	108.14	_LSSLRAST(ph)SK_	2	565.284	-2.30
205	IPI00003843	TJP2	1.00	1	S	0.0020986	130.93	_SWEDS(ph)PER_	2	543.200	-2.27
155	IPI00005264	PKP2	0.99	1	S	1.44E-08	115.98	_LEISPDSS(ph)PER_	2	655.287	-2.23
135	IPI00021812	AHNAK	1.00	1	S	3.21E-66	208.55	_LKS(ph)EDGVEGDLGETQSR_	2	950.420	-2.21
511	IPI00021812	AHNAK	0.96	1	S	0.136973	47.47	_ISM(ox)QDVDSLGS(ph)PK_	2	793.363	-2.20
89	IPI00015953	DDX21	1.00	1	S	0.002226	87.56	_KKEEPSQNDIS(ph)PK_	2	790.372	-2.16
521	IPI00185919	LARP1	0.91	1	S	0.859179	24.20	_ETESAPGS(ph)PR_	2	555.727	-2.14
67	IPI00604620	NCL	1.00	1	S	0.0135935	128.52	_KVVVS(ph)PTK_	2	469.260	-2.14
563	IPI00604620	NCL	1.00	1	S	0.0656179	59.28	_LELQGPRGS(ph)PNAR_	2	737.862	-2.08
5841	IPI00021812	AHNAK	0.97	1	S	0.0633808	55.44	_GHYEVTS(ph)DDETGK_	2	787.804	-2.02
224	IPI00011253	RPS3	0.79	1	S	0.42736	42.96	_DEILPTTPIIS(ph)EQK_ _(ac)SETAPAAPAAPAPAEKT(ph)PV	2	775.871	-2.00
18	IPI00217467	HIST1H1E	1.00	1	T	1.62E-06	100.39	_K_ _LQQGAGLESPPGQPEPGAAS(ph)P	2	1013.498	-1.98
91	IPI00012199	CCDC86	1.00	1	S	0.0001166	57.80	_QR_	2	1192.056	-1.94
15	IPI00026689	CDC2	0.88	1	Y	0.168652	58.51	_IGEGTY(ph)GVVYK_	2	633.294	-1.91

15	IPI00021766	RTN4	0.84	1	S	0.0100798	48.71	_(ac)M(ox)EDLDQSPLVSSSDS(ph)P PRPQPAFK_	3	922.749	-1.91
1328	IPI00879004	TOP2A	0.98	1	S	0.0103568	44.46	_IKNENTEGS(ph)PQEDGVELEGLK_	3	789.363	-1.91
103	IPI00552073	DHX16	0.99	1	S	1.25E-12	128.36	_LLEDS(ph)EESSEETVSR_	2	895.372	-1.87
1412	IPI00815713	TCOF1	0.84	1	S	1.23E-05	106.79	_LGAGEGGEAS(ph)VSPEK_	2	734.322	-1.85
210	IPI00021812	AHNAK	0.99	1	S	8.02E-109	251.61	_LPS(ph)GSGAASPTGSAVDIR_	2	861.907	-1.84
25	IPI00479997	STMN1	1.00	1	S	0.0438497	68.22	_ASGQAFELILS(ph)PR_	2	734.863	-1.82
192	IPI00003377	SFRS7	0.92	1	S	0.874565	60.67	_YFQS(ph)PSR_	2	482.700	-1.74
547	IPI00640092	SH3PXD2A	1.00	1	S	4.87E-17	136.85	_EAEEGPTGASESQDS(ph)PR_	2	913.857	-1.72
216	IPI00021812	AHNAK	0.99	1	S	8.02E-109	251.61	_LPSGSGAAS(ph)PTGSAVDIR_	2	861.907	-1.71
58	IPI00012199	CCDC86	1.00	1	S	3.69E-05	100.32	_AGLGS(ph)PERPPK_	2	594.792	-1.70
5110	IPI00021812	AHNAK	1.00	1	S	0.001006	124.22	_FKAEAPLPS(ph)PK_	2	632.821	-1.68
141	IPI00183626	PTBP1	0.83	1	S	0.344374	46.27	_ELKTDSS(ph)PNQAR_	2	713.322	-1.67
11	IPI00375015	DUT	0.99	1	S	0.0458769	63.90	_PCSEETPAIS(ph)PSKR_	2	819.863	-1.65
31	IPI00021924	H1FX	1.00	1	S	3.37E-06	136.96	_AGGSAALS(ph)PSK_	2	513.237	-1.65
2	IPI00872079	TRA2B	1.00	1	S	4.21E-08	147.50	_(ac)S(ph)DSGEQNYGER_	2	682.244	-1.63
32	IPI00419791	RSRC2	1.00	1	S	0.0349349	63.85	_EQSEVSVS(ph)PR_	2	599.261	-1.61
102	IPI00008527	RPLP1	1.00	1	S	1.12E-77	221.70	_KEES(ph)EESDDDM(ox)GFGFLD_	2	1023.364	-1.61
304	IPI00008530	RPLP0	1.00	1	S	1.72E-66	194.68	_VEAKEES(ph)EESDEDM(ox)GFGFLF D_	2	1179.946	-1.58
18	IPI00217468	HIST1H1B	1.00	1	S	4.78E-10	119.22	_(ac)SETAPAETATPAPVEKS(ph)PA K_	2	1052.496	-1.58
105	IPI00008527	RPLP1	1.00	1	S	1.12E-77	221.70	_KEESEES(ph)DDDM(ox)GFGFLD_	2	1023.364	-1.53
76	IPI00219841	LIG1	1.00	1	S	0.0171415	69.16	_VLGSEGEEDDEALS(ph)PAK_	2	920.398	-1.53
37	IPI00028451	SOX15	1.00	1	S	0.0157884	82.06	_EGAGS(ph)PAAPGTLPLEK_	2	787.877	-1.48
460	IPI00654605	MAP7D1	0.99	1	S	0.133651	54.65	_LSASTASELS(ph)PK_	2	635.800	-1.47
390	IPI00021405	LMNA	0.98	1	S	6.01E-05	124.22	_LS(ph)PSPTSQR_	2	526.742	-1.44
685	IPI00104050	THRAP3	0.97	1	T	0.005831	96.19	_IDISPST(ph)FR_	2	558.260	-1.43
1084	IPI00333541	FLNA	0.87	1	S	0.0151103	64.59	_AFGPGLQGGGAGS(ph)PAR_	2	755.346	-1.38
33	IPI00021924	H1FX	0.83	1	S	3.37E-06	136.96	_AGGSAALSPS(ph)KK_	2	577.284	-1.36
113	IPI00442843	HMGA1	1.00	1	S	0.001267	78.28	_EEEEGIS(ph)QESSEEEQ_	2	909.825	-1.36
405	IPI00009771	LMNB2	0.75	1	S	0.157971	63.85	_LKLS(ph)PSPSSR_	2	576.295	-1.28
173	IPI00217465	HIST1H1C	1.00	1	S	1	49.97	_KVAKS(ph)PK_	2	419.233	-1.27
13	IPI00922181	MCM2	0.98	1	S	0.0609182	51.36	_(ac)AESSESFMT(ox)ASS(ph)PAQR	2	912.361	-1.27
509	IPI00012079	EIF4B	0.88	1	S	0.0085881	86.65	_SQSSDTEQQS(ph)PTSGGGK_	2	880.852	-1.27
2454	IPI00256861	MACF1	1.00	1	S	0.133651	54.65	_AFLAELEQNS(ph)PK_	2	713.834	-1.23
32	IPI00450768	KRT17	1.00	1	S	3.69E-05	100.32	_LS(ph)GGLGAGSCR_	2	557.739	-1.23

448	IPI00647837	ZNF185	1.00	1	T	7.25E-14	123.75	_GGQGDPVPAQQPADPST(ph)PE R_	2	1077.976	-1.21
794	IPI00023649	SBNO1	0.81	1	S	3.40E-18	141.14	_S(ph)IDPDSIQSALLASGLGSK_	2	969.975	-1.21
2138	IPI00900293	FLNB	1.00	1	S	3.45E-09	121.73	_APS(ph)VATVGSICDLNLK_	2	862.918	-1.20
27	IPI00922181	MCM2	0.98	1	S	0.0749993	63.59	_GNDPLTSS(ph)PGR_	2	590.753	-1.19
2825	IPI00013933	DSP	1.00	1	S	1.25E-12	128.36	_GLPSYNM(ox)SSAPGS(ph)R_	2	808.842	-1.18
22	IPI00013933	DSP	1.00	1	S	0.0135935	128.52	_AES(ph)GPDLR_	2	462.695	-1.17
121	IPI00015953	DDX21	1.00	1	S	7.82E-19	139.73	_NEEPS(ph)EEEIDAPKPK_	3	597.928	-1.17
2509	IPI00900293	FLNB	1.00	1	S	4.12E-08	109.65	_LVS(ph)PGSANETSSILVESVTR_	2	1063.523	-1.16
187	IPI00217467	HIST1H1E	1.00	1	S	0.0135935	128.52	_KAPKS(ph)PAK_	2	453.744	-1.16
188	IPI00032597	RBMX2	1.00	1	S	0.002226	87.56	_EVQAEQPSSSS(ph)PR_	2	741.317	-1.15
120	IPI00922181	MCM2	1.00	1	S	0.0116635	73.12	_GLLYDS(ph)DEEDEERPAR_	2	987.410	-1.14
216	IPI00410590	LSM14A	1.00	1	S	0.0103524	82.24	_S(ph)PVSTRPLPSASQK_	3	512.259	-1.13
404	IPI00020513	ZYX	1.00	1	S	0.024293	74.04	_S(ph)PGAGPLTLK_	2	559.286	-1.13
1103	IPI00216225	ITGA6	1.00	1	S	0.0361751	72.84	_AEIHAQPS(ph)DKER_	3	487.556	-1.11
464	IPI00855856	API5	0.90	1	S	0.002226	87.56	_ASEDTTSGS(ph)PPK_	2	628.756	-1.11
677	IPI00004273	RBM25	0.94	1	S	0.36307	40.02	_LGASNS(ph)PGQPNSVK_	2	718.332	-1.10
893	IPI00856116	PALLD	1.00	1	S	3.37E-06	136.96	_IAS(ph)DEEIQGTK_	2	635.782	-1.09
906	IPI00815713	TCOF1	1.00	1	S	3.85E-05	112.01	_AALAPAKES(ph)PRK_	2	659.848	-1.09
246	IPI00872944	NUCKS1	1.00	1	S	0.327139	50.00	_LKATVTPS(ph)PVK_	2	610.836	-1.08
175	IPI00031651	C7orf50	1.00	1	S	0.084688	55.44	_ELDEEGS(ph)DPPLPGR_	2	795.838	-1.07
169	IPI00292771	NUMA1	1.00	1	S	0.0018859	63.49	_APVPSTCSSTFPEELS(ph)PPSHQAK _	3	845.380	-1.04
90	IPI00185919	LARP1	1.00	1	S	4.11E-07	73.78	_ESPRPLQLPGAEGPAIS(ph)DGEEG GGEPGAGGAAGAAGAGR_	3	1203.219	-1.03
690	IPI00006207	LRRFIP1	0.84	1	S	0.42736	42.96	_IDGATQSS(ph)PAEPK_	2	690.806	-1.02
1414	IPI00815713	TCOF1	1.00	1	S	1.23E-05	106.79	_LGAGEGGEASVS(ph)PEK_	2	734.322	-1.01
176	IPI00031812	YBX1	1.00	1	S	6.16E-28	163.63	_NEGSES(ph)APEGQAQQR_	2	834.336	-1.01
1026	IPI00472160	ARHGEF2	1.00	1	S	0.268802	69.56	_QELGS(ph)PEER_	2	562.735	-0.98
138	IPI00251559	RNF20	1.00	1	S	4.74E-30	159.38	_ALVVPEPEPDSDS(ph)NQER_	2	981.428	-0.98
456	IPI00647837	ZNF185	0.84	1	S	0.133651	54.65	_QSSPS(ph)GSEQLVR_	2	677.804	-0.97
562	IPI00464978	IRS2	1.00	1	S	5.29E-05	93.54	_RVS(ph)GDAAQDLDR_	2	691.807	-0.96
359	IPI00641364	PPAN	1.00	1	S	1.06E-05	102.36	_VGGS(ph)DEEASGIPSR_	2	720.804	-0.95
491	IPI00306087	WDR79	0.96	1	S	5.32E-07	64.89	_VFPEPTES(ph)GDEGEELGLPLLSTR _	2	1276.594	-0.94
1386	IPI00815713	TCOF1	1.00	1	S	2.31E-06	147.50	_KLS(ph)GDQPAAR_	2	561.769	-0.93
280	IPI00256861	MACF1	1.00	1	S	0.266866	37.38	_LLDAEDVDVPS(ph)PDEK_	2	861.380	-0.93
1298	IPI00398002	PLEC1	1.00	1	S	6.01E-05	124.22	_AQLEPVAS(ph)PAK_	2	595.794	-0.93
454	IPI00647837	ZNF185	0.85	1	S	0.133651	54.65	_QSS(ph)PSGSEQLVR_	2	677.804	-0.92

358	IPI00008708	RSL1D1	0.86	1	T	0.029099	61.01	_AT(ph)NESEDEIPQLVPIGK_	2	960.454	-0.92
389	IPI00328293	SRRM1	1.00	2	S	0.112709	66.77	_RLS(ph)PSAS(ph)PPR_	2	614.268	-0.91
93	IPI00397883	FLJ45252	1.00	1	S	0.0002124	100.53	_LGGAVPFAPPEVSPH)PEQAK_	2	937.458	-0.90
375	IPI00220465	LIMA1	0.98	1	S	3.85E-05	112.01	_ASSLSESS(ph)PPK_	2	585.258	-0.90
452	IPI00746890	ARHGEF5	0.94	1	S	0.001485	86.65	_AEELSPAALSPS(ph)LEPIR_	2	930.461	-0.89
363	IPI00220465	LIMA1	0.89	1	S	6.77E-05	105.65	_PLS(ph)PDSR_	2	426.187	-0.89
381	IPI00815713	TCOF1	1.00	1	S	0.0151103	64.59	_AASAPAKES(ph)PR_	2	582.774	-0.89
1219	IPI00844237	BAT2	1.00	1	S	0.327139	50.00	_LIPGPLS(ph)PVAR_	2	600.331	-0.88
499	IPI00642971	EEF1D	1.00	1	S	2.14E-08	108.77	_ATAPQTQHVS(ph)PM(ox)R_	2	760.340	-0.88
856	IPI00031023	FLII	1.00	1	S	0.0005188	92.08	_NAEAVLQS(ph)PGLSGK_	2	725.851	-0.87
96	IPI00373869	C17orf49	1.00	1	S	0.107374	45.33	_VYEDSGIPLAES(ph)PK_	2	841.390	-0.86
60	IPI00384180	YRDC	1.00	1	S	0.0103524	82.24	_LPGSGAVQAAS(ph)PER_	2	710.335	-0.85
138	IPI00000733	UTP18	0.99	1	S	0.218957	39.16	_VQEHEDS(ph)GDSEVENEAK_	2	991.387	-0.85
26	IPI00005978	SFRS2	0.98	1	S	0.107246	84.57	_TS(ph)PDTLR_	2	435.192	-0.85
31	IPI00003394	SMN1	1.00	2	S	3.70E-25	151.91	_GTGQS(ph)DDS(ph)DIWDDTALIK_	2	1048.909	-0.85
28	IPI00003394	SMN1	0.98	1	S	3.70E-25	151.91	_GTGQS(ph)DDSDIWDDTALIK_	2	1008.925	-0.85
1859	IPI00301263	CAD	1.00	1	S	0.0142303	72.24	_IHRAS(ph)DPGLPAEEPKEK_	3	651.986	-0.85
521	IPI00028357	XPO4	0.95	1	S	0.273627	37.38	_HQQLLAS(ph)PGSSTVDNK_	3	630.630	-0.84
750	IPI00328293	SRRM1	0.83	1	S	1	24.20	_AAS(ph)PSPQSVR_	2	540.248	-0.84
240	IPI00023095	MLF2	0.99	1	S	1.44E-08	115.98	_LAIQGPEDSPS(ph)R_	2	675.308	-0.84
74	IPI00306280	DENR	0.84	1	S	6.39E-07	69.25	_LTVENS(ph)PKQEAGISEGQGTAG_	3	933.085	-0.84
305	IPI00013949	SGTA	0.99	1	S	2.14E-08	108.77	_EEEEK_	2	757.791	-0.83
496	IPI00006079	BCLAF1	0.94	1	S	0.157971	63.85	_SRTSPS(ph)ASNDQQE_	2	627.292	-0.82
148	IPI00030968	C9orf142	1.00	1	S	0.0351731	73.06	_KETQS(ph)PEQVK_	2	627.292	-0.82
2	IPI00021728	EIF2S2	0.83	1	S	1	19.00	_RLAAAEETAVS(ph)PR_	2	725.856	-0.81
429	IPI00011857	CHAF1B	0.86	1	S	0.0460827	54.27	_K_	2	806.301	-0.81
2658	IPI00436632	NIPBL	1.00	1	S	1.85E-08	104.52	_TQDPSS(ph)PGTTPPQAR_	2	810.357	-0.80
2152	IPI00333541	FLNA	1.00	1	S	0.0012045	97.44	_AITSLGGGS(ph)PK_	2	590.802	-0.80
201	IPI00215884	SFRS1	0.75	1	S	1	35.34	_RAPS(ph)VANVGSHCDLSLK_	3	630.968	-0.80
11	IPI00290461	EIF3J	0.87	1	S	4.17E-16	92.64	_SPS(ph)YGR_	2	373.647	-0.79
617	IPI00216219	TJP1	1.00	1	S	0.0783861	54.65	_S(ph)AAAAAAGDS(ph)DSWDADA_	2	905.724	-0.77
669	IPI00013290	HDGFRP2	1.00	1	S	5.29E-05	93.54	_FSVEDPVRK_	3	905.724	-0.77
220	IPI00011253	RPS3	0.77	1	T	0.42736	42.96	_S(ph)REDLSAQPVQTK_	2	769.864	-0.77
164	IPI00000685	CDK7	1.00	1	S	0.874565	60.67	_ARGDS(ph)EALDEES_	2	679.759	-0.74
2	IPI00827535	PTMA	1.00	1	S	0.0221542	77.65	_DEILPT(ph)TPISEQK_	2	775.871	-0.74
14	IPI00872079	TRA2B	1.00	1	S	0.0458769	63.90	_SFGS(ph)PNR_	2	422.671	-0.72
288	IPI00005667	N4BP1	1.00	1	S	0.180416	114.35	_S(ph)DAAVDTSEITTK_	2	773.830	-0.68
								S(ph)SDSGEQNYGERES(ph)R	2	868.331	-0.68
								RFS(ph)DSEER	2	553.219	-0.68

3	IPI00156032	KRR1	0.99	1	S	0.0038145	108.14	_(ac)AS(ph)PSLERPEK_	2	618.287	-0.67
101	IPI00219301	MARCKS	1.00	1	S	6.28E-09	120.16	_GEPAAAAPEAGAS(ph)PVEK_ _GLAEVQQDGEAEEGATS(ph)DGEK	2	851.888	-0.66
598	IPI00237884	AKAP12	1.00	1	S	7.25E-14	123.75		2	1100.450	-0.66
1238	IPI00925413	EIF4G1	1.00	1	S	0.74912	41.67	_EAALPPVS(ph)PLK_	2	601.315	-0.66
85	IPI00922610	PXN	0.79	1	S	0.0635824	48.85	_FIHQPPQSSS(ph)PVYGSSAK_	3	676.646	-0.66
936	IPI00413961	DKFZp666O0110	0.99	1	T	2.73E-14	132.59	_LQPQEISPPPT(ph)ANLDR_	2	928.451	-0.66
48	IPI00453473	HIST1H4A	1.00	1	S	0.0002635	89.16	_RIS(ph)GLIYEETR_	2	708.848	-0.65
243	IPI00104050	THRAP3	1.00	1	S	0.0038145	108.14	_ASAVSELS(ph)PR_	2	548.755	-0.65
993	IPI00329547	ZC3H13	1.00	1	S	0.0151103	64.59	_GNIETTSEDGQVFS(ph)PK_	2	894.888	-0.64
225	IPI00420014	SNRNP200	1.00	1	S	2.73E-14	132.59	_EEAS(ph)DDDMEGDEAVVR_	2	923.838	-0.63
515	IPI00470779	TXLNA	0.90	1	S	0.0103524	82.24	_RPEPGAQAPSS(ph)PR_	2	743.844	-0.63
708	IPI00216654	NOLC1	1.00	1	S	0.0235131	60.50	_GGSISVQVNSIKFDS(ph)E_	2	873.901	-0.63
307	IPI00394926	POLD3	1.00	1	S	0.0259492	60.02	_VALS(ph)DDETKETENM(ox)R_	2	917.382	-0.63
445	IPI00746890	ARHGEF5	1.00	2	S	0.001485	86.65	_AEELS(ph)PAALS(ph)PSLEPIR_	2	970.444	-0.63
450	IPI00746890	ARHGEF5	0.99	2	S	0.001485	86.65	_AEELS(ph)PAALS(ph)PSLEPIR_	2	970.444	-0.63
1757	IPI00292771	NUMA1	0.86	1	S	0.0032472	70.05	_TQPDGTSVPGEPAS(ph)PISQR_	2	1002.457	-0.63
899	IPI00021267	EPHA2	0.86	1	S	0.0438497	68.22	_LPSTS(ph)GSEGVVPR_	2	707.324	-0.60
491	IPI00220465	LIMA1	1.00	1	S	0.0160793	77.46	_ETPHS(ph)PGVEDAPIAK_	3	543.250	-0.60
177	IPI00006079	BCLAF1	1.00	1	S	2.60E-12	131.77	_KAEGEPQEEES(ph)PLK_	2	761.345	-0.60
517	IPI00001738	NUP88	1.00	1	S	0.0056232	78.54	_EDVEVAES(ph)PLR_	2	662.295	-0.60
5731	IPI00021812	AHNAK	1.00	1	S	2.61E-09	117.38	_GGVTGS(ph)PEASISGSK_	2	707.317	-0.59
280	IPI00856045	AHNAK2	0.89	1	S	0.0002635	89.16	_SHS(ph)SSEAYEPR_	2	665.259	-0.59
393	IPI00328293	SRRM1	1.00	2	S	0.112709	66.77	_RLS(ph)PSAS(ph)PPR_	3	409.848	-0.59
688	IPI00033907	ANAPC1	1.00	1	S	1.23E-05	106.79	_NFDGEGSLs(ph)PVIAPK_	2	850.900	-0.59
304	IPI00395337	FIP1L1	1.00	1	S	0.429209	72.21	_AES(ph)PDLR_	2	434.184	-0.58
589	IPI00020984	CANX	0.85	1	S	0.0171415	69.16	_QKS(ph)DAEEDGGTVSQEEEDR_	2	1094.929	-0.58
382	IPI00298788	ILF3	0.98	1	S	0.181918	48.10	_RPM(ox)EEDGEEKS(ph)PSK_	2	857.853	-0.57
450	IPI00006932	LUC7L2	1.00	1	S	0.164547	58.94	_RSS(ph)EEREAGEI_	2	671.785	-0.56
36	IPI00009867	KRT5	1.00	1	S	0.257113	88.27	_TSFTSVS(ph)R_ _KPS(ph)PAQAETPALELPLPSVPA	2	482.710	-0.56
557	IPI00103483	COBRA1	0.99	1	S	0.173967	38.37	PAPL_	2	1321.696	-0.56
1468	IPI00069817	BAZ1B	1.00	1	S	0.0085881	86.65	_LAEDEGDS(ph)EPEAVGQSR_	2	934.881	-0.56
361	IPI00008708	RSL1D1	0.84	1	S	0.029099	61.01	_ATNES(ph)EDEIPLVPIGK_ _AADS(ph)DDGAVSAPAASDGGVS	2	960.454	-0.56
5	IPI00549516	TOE1	1.00	1	S	1.76E-06	87.39	K_	2	964.399	-0.56

691	IPI00855787	TNKS1BP1	1.00	1	S	4.74E-30	159.38	_WLDDLLAS(ph)PPPSGGGAR_	2	894.919	-0.56
214	IPI00299254	EIF5B	1.00	1	S	6.41E-08	114.70	_NKPGPNIES(ph)GNEDDDASFK_	2	1057.439	-0.55
173	IPI00646493	COPA	1.00	1	S	0.0749993	63.59	_NLS(ph)PGAVESDVR_	2	662.301	-0.55
289	IPI00792743	SLTM	0.97	1	S	0.0559824	51.98	_DGQDAIAQS(ph)PEK_	2	669.782	-0.54
513	IPI00873935	DKC1	1.00	1	S	0.0789022	92.16	_AKEVELVS(ph)E_	2	542.252	-0.54
136	IPI00398749	PUM2	1.00	1	S	0.0039116	83.05	_GKAS(ph)PFEEDQNR_	2	729.306	-0.54
1459	IPI00333541	FLNA	1.00	1	S	1.85E-08	104.52	_CSGPGLS(ph)PGM(ox)VR_	2	657.273	-0.54
395	IPI00021405	LMNA	1.00	2	S	6.01E-05	124.22	_LRLS(ph)PSPTS(ph)QR_	2	701.318	-0.53
1080	IPI00101186	RRP12	1.00	1	S	0.0003493	53.55	_GDSIEEILADS(ph)EDEEDNEEEER_ _FEEESKEPVADEEEEDS(ph)DDDVE	2	1316.501	-0.53
102	IPI00004795	CLNS1A	1.00	1	S	1.43E-26	110.10	PITEFR_	3	1132.123	-0.53
1579	IPI00036742	KIAA1429	0.89	1	S	0.164547	58.94	_SFLSEPS(ph)PGR_	2	622.271	-0.52
93	IPI00297579	CBX3	0.87	1	S	8.14E-40	225.17	_S(ph)LSDESDDSK_	2	625.227	-0.52
299	IPI00477313	HNRNPC	0.95	1	S	0.0548721	50.34	_EAEEGEDDRDS(ph)ANGEDDS_	2	1010.332	-0.51
914	IPI00784320	FAM83H	1.00	1	S	0.0056232	78.54	_RGS(ph)PVPPVPER_	2	635.819	-0.51
64	IPI00009867	KRT5	1.00	1	S	0.0232054	128.52	_S(ph)LYNLGGSK_	2	509.734	-0.51
202	IPI00218694	CALD1	1.00	1	S	1.85E-08	104.52	_RGS(ph)JGENQGEEK_	2	692.299	-0.50
785	IPI00784320	FAM83H	0.98	1	S	0.0259373	80.54	_S(ph)LESCLDLR_	2	643.297	-0.50
112	IPI00018798	DNAJC17	0.99	1	S	0.0103524	82.24	_QAAQES(ph)EEEEESR_	2	865.331	-0.50
185	IPI00028481	RAB8A	1.00	1	S	0.0192298	68.52	_KLEGNSPQGS(ph)NOGVK_	2	811.880	-0.49
37	IPI00384180	YRDC	1.00	1	S	0.0311671	57.73	_LFRPPS(ph)PAPAAPGAR_	3	528.940	-0.48
18	IPI00012199	CCDC86	1.00	1	S	9.37E-15	135.45	_LGLRPES(ph)PESLTSVSR_	3	622.310	-0.48
556	IPI00908725	ZC3H18	0.99	2	S	0.0789022	92.16	_LGVVS(ph)VS(ph)PSR_	2	531.225	-0.48
208	IPI00304692	RBMX	1.00	1	S	0.429209	72.21	_DVYLS(ph)PR_	2	465.210	-0.48
161	IPI00003843	TJP2	1.00	1	S	1.31E-46	180.02	_VQVAALQAS(ph)PPLDQDDR_	2	951.951	-0.48
575	IPI00290142	CTPS	0.80	1	S	0.0005188	92.08	_SGSSS(ph)PDSEITELK_	2	758.824	-0.48
292	IPI00102752	RBM15	0.75	1	S	0.0554954	68.46	_S(ph)LSPGGAALGYR_	2	614.790	-0.47
363	IPI00071318	LUC7L	1.00	1	S	0.733563	45.33	_RS(ph)EEKEAGEI_	2	614.266	-0.46
446	IPI00003843	TJP2	1.00	1	S	0.107246	84.57	_SFS(ph)PEER_	2	466.181	-0.46
340	IPI00915260	CCNK	1.00	1	S	0.164547	58.94	_AVVVS(ph)PKEENK_	2	640.318	-0.46
537	IPI00010400	PLCB3	1.00	1	S	1	44.87	_S(ph)LGDEGLNR_	2	520.724	-0.45
782	IPI00152510	DDX54	1.00	1	S	0.0103524	82.24	_IDDRDS(ph)DEEGASDR_	2	830.310	-0.45
83	IPI00028888	HNRNPD	0.97	1	S	9.77E-18	141.14	_NEEDEGHSNSS(ph)PR_	2	769.281	-0.45
95	IPI00297579	CBX3	1.00	1	S	8.14E-40	225.17	_KSLS(ph)DSESDDSK_	2	689.275	-0.45
19	IPI00910738	KRT6B	1.00	1	S	4.60E-05	145.18	_RGFS(ph)ASSAR_	2	509.727	-0.43
136	IPI00163505	RBM39	1.00	1	S	0.273627	37.38	_DKS(ph)PVREPIDNLTPEER_	3	692.332	-0.42
682	IPI00104050	THRAP3	1.00	1	S	0.005831	96.19	_IDIS(ph)PSTFR_	2	558.260	-0.41
347	IPI00022536	RPS6KA4	0.86	1	S	0.834823	27.00	_LEPVYSPPGS(ph)PPPGDPR_	2	921.427	-0.41
233	IPI00477313	HNRNPC	0.97	1	S	0.755839	26.81	_NDKS(ph)EEEQSSSVK_	2	817.333	-0.40

494	IPI00873935	DKC1	1.00	1	S	6.93E-46	175.05	_AGLESGAEPGDGDS(ph)DTTK_ _GIPLATGDTS(ph)PEPELLPGAPLPP PK_	2	893.854	-0.40
42	IPI00290460	EIF3G	0.99	1	S	0.0017647	54.32		2	1272.654	-0.40
57	IPI00220739	PGRMC1	0.99	1	S	1.64E-10	119.22	_GDQPAASGDS(ph)DDDEPPPLPR_	2	1058.429	-0.39
190	IPI00152011	ARHGAP29	1.00	1	S	0.0369466	72.84	_GNFS(ph)PLELDNVLLK_ _DNLGEVPLTPT(ph)EEASLPLAVTK	2	819.911	-0.39
1869	IPI00894235	NBEAL2	0.82	1	T	9.07E-07	67.90		2	1187.593	-0.39
153	IPI00290314	WRNIP1	1.00	1	S	1.06E-05	102.36	_RPAAAAAAGSAS(ph)PR_ _(ac)AASAAAAAASASASGS(ph)	2	667.322	-0.38
19	IPI00438229	TRIM28	0.76	1	S	0.0031006	52.36	PGPGEGSAGGEK_	3	837.033	-0.37
344	IPI00010586	TMF1	1.00	1	S	1.06E-05	102.36	_SVSEINS(ph)DDELSGK_ _(ac)GDS(ph)DDEYDR_	2	780.327	-0.37
4	IPI00375144	SRRT	1.00	1	S	0.399492	54.27		2	597.185	-0.36
120	IPI00055954	WDR43	1.00	1	S	0.161226	80.54	_LQAKES(ph)PQRK_ _LQEEGGGS(ph)DEEETGSPSEDGM	2	632.824	-0.36
50	IPI00014298	PWP1	1.00	1	S	1.72E-09	77.06	(ox)QSAR_	3	893.340	-0.35
164	IPI00299254	EIF5B	1.00	1	S	8.19E-10	140.37	_WDGS(ph)EEDEDNSK_ _KLTS(ph)DEEGEPSGK_	2	745.751	-0.35
630	IPI00103090	LEO1	0.88	1	S	1	28.92		2	728.814	-0.35
307	IPI00008530	RPLP0	1.00	1	S	1.72E-66	194.68	_EESEES(ph)DEDM(ox)GFGLFD_ _VNDAEPGS(ph)PEAPQGK_	2	966.324	-0.35
83	IPI00217541	DDX51	1.00	1	S	3.45E-09	121.73		2	788.338	-0.34
297	IPI00003843	TJP2	1.00	1	S	0.107246	84.57	_AYS(ph)PEYR_	2	483.192	-0.34
51	IPI00885104	MPHOSPH8	1.00	1	S	1.64E-10	119.22	_GAEAFGDS(ph)EEDGEDVFEVEK_ _GVAPADS(ph)PEAPR_	2	1119.934	-0.34
737	IPI00292914	ANKIB1	1.00	1	S	0.53015	31.29		2	623.777	-0.33
432	IPI00170778	FNBP4	1.00	1	S	2.61E-09	117.38	_ALEEGDGSVSGSS(ph)PR_	2	764.320	-0.32
693	IPI00018274	EGFR	0.91	1	T	4.39E-15	134.89	_ELVEPLT(ph)PSGEAPNQALLR_ _(ac)AAAVAAAGAGEPQS(ph)PDEL	2	1057.530	-0.32
15	IPI00024976	TOMM22	1.00	1	S	3.16E-19	154.14	LPK_	2	1042.999	-0.31
273	IPI00478229	RP11-320F15.1	1.00	1	S	0.0487691	53.75	_KPRPS(ph)EGDEDCLPASK_ _PLLS(ph)PEER_	3	622.608	-0.31
913	IPI00152011	ARHGAP29	1.00	1	S	1	44.87		2	510.742	-0.31
87	IPI00384857	HN1	1.00	1	S	1.26E-33	176.16	_NS(ph)SEASSGDFLDLK_ _GFSASS(ph)AR_	2	775.325	-0.31
22	IPI00910738	KRT6B	0.77	1	S	4.60E-05	145.18		2	431.676	-0.30
619	IPI00328293	SRRM1	1.00	2	S	0.236704	72.09	_RYS(ph)PS(ph)PPPK_ _RYS(ph)PS(ph)PPPK_	2	594.746	-0.30
617	IPI00328293	SRRM1	1.00	2	S	0.236704	72.09		2	594.746	-0.30
156	IPI00900260	ARHGEF7	1.00	1	S	0.884375	49.59	_ASEKPVS(ph)PK_ _APQTSSS(ph)PPPVR_	2	511.750	-0.30
708	IPI00328293	SRRM1	0.99	1	S	0.0351731	73.06		2	652.306	-0.30
558	IPI00908725	ZC3H18	0.99	1	S	0.0789022	92.16	_LGVSVS(ph)PSR_ _ATS(ph)FEESER_	2	491.242	-0.29
949	IPI00152011	ARHGAP29	0.99	1	S	0.268802	69.56		2	568.219	-0.28
695	IPI00871240	DKFzp434J2412	0.77	1	S	0.680302	25.33	_SSEPVKETVQTTQS(ph)PTPVEK_	3	751.361	-0.27

510	IPI00414289	GPS1	1.00	1	S	0.0160793	77.46	_EGS(ph)QGELTPANSQSR_	2	820.849	-0.27
42	IPI00001757	RBM8A	1.00	1	S	0.0789022	92.16	_GFGS(ph)EEGSR_	2	503.187	-0.27
783	IPI00375731	RBM10	0.99	1	S	0.74912	41.67	_LAS(ph)DDRPSPPR_	2	645.796	-0.27
9	IPI00288941	NCOA5	1.00	1	S	0.0749993	63.59	_(ac)M(ox)NTAPSRPS(ph)PTR_	2	726.819	-0.26
383	IPI00816415	AKAP2	0.85	1	S	3.53E-05	85.72	_DALGDSLQVPVS(ph)PSSTTSSR_	2	1042.481	-0.26
765	IPI00218993	HSPH1	1.00	1	S	0.282389	76.32	_IES(ph)PKLER_	2	526.263	-0.26
925	IPI00477468	CTR9	1.00	1	T	9.21E-06	91.45	_GGEFDEFVNDT(ph)DDDLPISK_	2	1154.463	-0.25
870	IPI00784320	FAM83H	0.99	1	S	0.005831	96.19	_GS(ph)PTSAYPER_	2	572.737	-0.25
1161	IPI00853400	FKBP15	0.83	2	S	0.0656179	59.28	_S(ph)S(ph)LSGDEEDELFK_	2	808.294	-0.24
34	IPI00290077	KRT15	1.00	1	S	4.18E-69	195.31	_GGSLLAGGGGFGGGS(ph)LSGGG	2	951.429	-0.24
272	IPI00337530	REPS1	0.87	1	S	0.164547	58.94	GSR_	2	724.796	-0.24
107	IPI00479191	HNRNP1	0.91	1	T	1.74E-06	111.24	_RQS(ph)SSYDDPWK_	2	882.871	-0.23
499	IPI00100151	XRN2	1.00	1	S	1.97E-30	156.89	_HTGPNPDT(ph)ANDGFVR_	2	948.878	-0.22
501	IPI00100151	XRN2	1.00	2	S	1.97E-30	156.89	_KAEDS(ph)DSEPEPEDNVR_	2	1066.912	-0.22
562	IPI00419847	SORBS3	0.88	1	T	0.0160793	77.46	_RKAEDS(ph)DS(ph)EPEPEDNVR_	2	789.843	-0.22
1530	IPI00027422	ITGB4	0.85	1	T	0.74912	41.67	_SPADPTDLGGQT(ph)SPR_	2	604.290	-0.22
516	IPI00007675	DYNC1L1	0.98	1	S	6.41E-08	114.70	_LTAGVPDT(ph)PTR_	2	983.456	-0.21
113	IPI00221093	RPS17	0.77	1	S	0.0256707	38.76	_KPVTVSPTTPTS(ph)PTEGEAS_	2	835.741	-0.21
260	IPI00328293	SRRM1	1.00	1	S	0.0142303	72.24	_LLDFGS(ph)LSNLQVTQPTVGM(ox	3	989.500	-0.21
199	IPI00550181	CHMP2B	1.00	1	S	2.31E-06	147.50	)NFK_	2	621.766	-0.21
114	IPI00008998	PTPLAD1	1.00	1	S	1.15E-12	153.28	_VPKPEPIPEPKEPS(ph)PEK_	2	795.313	-0.21
1907	IPI00179298	HUWE1	1.00	1	S	5.27E-34	186.01	_ATIS(ph)DEEIER_	2	789.309	-0.21
23	IPI00217975	LMNB1	0.83	1	S	0.344374	46.27	_WLDES(ph)DAEM(ox)ELR_	2	617.795	-0.20
30	IPI00419791	RSRC2	0.88	1	S	0.0349349	63.85	_GSGTAS(ph)DDEFENLR_	2	599.261	-0.20
117	IPI00789101	PTGES3	1.00	1	S	7.29E-61	216.10	_AGGPTTPLS(ph)PTR_	2	986.315	-0.19
39	IPI00450768	KRT17	1.00	1	S	3.69E-05	100.32	_EQSEVS(ph)VSPR_	2	557.739	-0.19
65	IPI00001654	PCM1	0.99	1	S	0.0071128	86.82	_DWEDDS(ph)DEDM(ox)SNFDR_	2	797.859	-0.19
290	IPI00307162	VCL	0.86	1	S	0.0259492	60.02	_LSGGLGAGS(ph)CR_	2	775.828	-0.18
633	IPI00007334	ACIN1	1.00	1	S	0.268802	69.56	_VTNDIS(ph)PESSPGVGR_	2	546.266	-0.18
19	IPI00025156	STUB1	0.93	1	S	0.114124	43.38	_DPSAS(ph)PGDAGEQAIR_	2	476.710	-0.18
2525	IPI00887108	KIAA1731	0.85	1	S	0.12577	50.00	_LQPERGS(ph)PK_	2	628.798	-0.18
392	IPI00021405	LMNA	1.00	1	S	6.01E-05	124.22	_LGAGGGS(ph)PEK_	2	526.742	-0.18
244	IPI00000634	CCDC6	1.00	1	S	0.0039116	83.05	_EKPSISS(ph)SVSR_	2	672.321	-0.18
60	IPI00007955	TRIM16	0.86	1	S	0.00031	74.57	_LSPS(ph)PTSQR_	2	1079.900	-0.17
								LDQVPVAPPS(ph)PR	2		
								ETEEQDS(ph)DSAEQGDPAGEGK	2		

6	IPI00215965	HNRNPA1	0.96	1	S	0.0048869	79.38	_SES(ph)PKEPEQLR_	3	460.545	-0.17
82	IPI00009867	KRT5	1.00	1	S	3.37E-06	136.96	_ISISTSGGS(ph)FR_	2	596.274	-0.17
226	IPI00290204	SNRNP70	1.00	1	S	0.044537	67.17	_YDERPGPS(ph)PLPHR_	3	534.247	-0.17
60	IPI00910738	KRT6B	1.00	1	S	1.27E-05	159.29	_S(ph)LYLGGGSK_	2	481.223	-0.16
6	IPI00013895	S100A11	0.99	1	S	0.161226	80.54	_ISS(ph)PTETER_	2	550.237	-0.15
461	IPI00328293	SRRM1	0.96	1	S	0.0369466	72.84	_KVELS(ph)ESEEDKGGK_	3	538.913	-0.15
350	IPI00306406	RIOK2	1.00	1	S	0.0895344	54.65	_AEVYGS(ph)ENESER_	2	725.280	-0.15
2	IPI00917683	SUMO1	1.00	1	S	0.0072808	91.40	_(ac)S(ph)DQEAKPSTEDLGDK_	2	871.362	-0.14
463	IPI00328293	SRRM1	0.85	1	S	0.0369466	72.84	_KVELSES(ph)EEDKGGK_	2	807.867	-0.14
77	IPI00009867	KRT5	0.99	1	S	3.37E-06	136.96	_ISIS(ph)TSGGSFR_	2	596.274	-0.14
2581	IPI00782992	SRRM2	0.99	1	S	0.019028	84.82	_RVPS(ph)PTPAPK_	2	565.292	-0.13
4485	IPI00398002	PLEC1	0.99	1	S	3.47E-25	152.12	_GYSPYSVSGSGS(ph)TAGSR_	2	931.883	-0.13
304	IPI00045051	PURB	1.00	1	S	0.001267	78.28	_RGGGSGGGEES(ph)EGEEVDED_	2	966.342	-0.13
542	IPI00909569	HDAC7	0.85	1	S	2.40E-05	71.12	_AQS(ph)SPAAPASLSAPEPASQAR_	2	1037.484	-0.13
672	IPI00104050	THRAP3	1.00	1	S	0.0394701	69.56	_S(ph)PEIHR_	2	409.681	-0.13
5752	IPI00021812	AHNAK	1.00	1	S	7.57E-14	130.49	_ASLGS(ph)LEGEAEAEASSPK_	2	906.899	-0.13
1305	IPI00854642	PDS5A	1.00	1	S	0.0085881	86.65	_AAVGQES(ph)PGGLEAGNAK_	2	818.372	-0.12
7	IPI00647400	RNPEP	1.00	1	S	8.31E-06	97.94	_(ac)ASGEHS(ph)PGSGAAR_	2	653.265	-0.11
87	IPI00102313	SRA1	0.99	1	S	9.36E-15	89.03	_APRS(ph)PPVGSASPASGVEPTSPV	3	915.768	-0.11
353	IPI00382470	HSP90AA1	1.00	1	S	1.43E-08	127.93	ESEAR_	2	737.285	-0.11
66	IPI00396015	ACACA	1.00	1	S	0.0009501	59.09	_DKEVS(ph)DDEAEK_	2	1138.023	-0.11
384	IPI00477535	ERCC5	1.00	1	S	0.0103524	82.24	_FIIGSVSEDNS(ph)EDEISNLVK_	2	732.330	-0.10
118	IPI00219301	MARCKS	0.76	1	S	0.0449025	48.27	_NAPAAVDEGSIS(ph)PR_	2	999.094	-0.10
211	IPI00012340	SFRS9	0.99	1	S	0.0361751	72.84	_EAPAEGEAAEPGS(ph)PTAAEGEA	3	512.222	-0.10
181	IPI00514127	HDGF	1.00	1	S	2.31E-06	147.50	_ASAASSTSSPK_	2	640.798	-0.09
617	IPI00719725	SAPS3	1.00	1	S	1.66E-82	224.79	_GS(ph)PHYFSPFRPY_	2	1110.436	-0.09
563	IPI00419847	SORBS3	0.97	1	S	0.0160793	77.46	_RAGDLLEDS(ph)PK_	2	789.843	-0.08
614	IPI00007334	ACIN1	1.00	1	S	0.005831	96.19	_IQQFDDGGS(ph)DEEDIWEEK_	2	612.785	-0.08
300	IPI00010544	TJAP1	1.00	1	S	0.0458769	63.90	_SPADPTDLGGQTS(ph)PR_	2	811.871	-0.08
881	IPI00784320	FAM83H	0.99	1	S	0.0056232	78.54	_RLS(ph)QPESAEK_	2	607.782	-0.08
305	IPI00219866	ZRANB2	1.00	2	S	0.0145701	80.59	_GS(ph)PEEELPLPAFEK_	2	846.356	-0.08
307	IPI00219866	ZRANB2	0.99	2	S	0.0145701	80.59	_KGS(ph)PTPGFSTR_	2	846.356	-0.08
284	IPI00216746	HNRNPK	1.00	1	S	0.2363	100.94	_S(ph)RS(ph)PESQVIGENTK_	2	625.729	-0.07
658	IPI00006079	BCLAF1	1.00	1	S	0.0979923	117.35	_S(ph)RS(ph)PESQVIGENTK_	2	541.268	-0.06
								RDYDDM(ox)S(ph)PR	2		
								IDIS(ph)PSTLR	2		

892	IPI00784320	FAM83H	0.98	1	S	0.0039116	83.05	_RGS(ph)PTTGFIQK_	2	700.832	-0.05
85	IPI00398272	COL17A1	0.78	1	S	0.002879	83.61	_AHS(ph)PASTLPNSPGSTFER_	3	645.958	-0.05
601	IPI00855787	TNKS1BP1	1.00	1	S	2.07E-46	179.01	_YESQEPLAGQES(ph)PLPLATR_	2	1083.509	-0.05
2719	IPI00746934	UBR4	0.99	1	S	0.0316255	104.43	_HVTLPSS(ph)PR_	2	537.261	-0.05
226	IPI00414676	HSP90AB1	1.00	1	S	8.31E-06	97.94	_EKEIS(ph)DDEAEEEEKGEK_	2	972.902	-0.05
39	IPI00016910	EIF3C	1.00	1	S	0.0103524	82.24	_QPLLLS(ph)EDEEDTKR_	2	876.906	-0.04
294	IPI00102752	RBM15	0.83	1	S	0.0554954	68.46	_SLS(ph)PGGAALGYR_	2	614.790	-0.04
203	IPI00169383	PGK1	1.00	1	S	0.495935	31.63	_ALES(ph)PERPFLAILGGAK_	3	616.992	-0.03
398	IPI00296432	IWS1	1.00	2	S	0.0247741	59.89	_AAVLS(ph)DS(ph)EDEEKASAK_	2	905.363	-0.03
400	IPI00296432	IWS1	1.00	2	S	0.0247741	59.89	_AAVLS(ph)DS(ph)EDEEKASAK_	2	905.363	-0.03
119	IPI00023640	PDCD5	1.00	1	S	1	33.98	_KVM(ox)DS(ph)DEDDDY_	2	714.231	-0.03
100	IPI00333215	TCEA1	1.00	1	S	0.0030253	91.24	_KKEPAITSQNS(ph)PEAR_	3	579.284	-0.03
272	IPI00179473	SQSTM1	0.98	1	S	0.084688	55.44	_LTPVVS(ph)PESSTEELK_	2	785.848	-0.02
1298	IPI00021954	GBF1	0.87	1	S	4.17E-16	92.64	_ADAPDAGAQS(ph)DSELPSYHQN	3	946.733	-0.02
409	IPI00009146	TRAFD1	0.90	1	S	0.0005188	92.08	DVSLDR_	2	838.880	-0.01
58	IPI00465028	TPI1	1.00	1	S	0.0007	96.60	_LDS(ph)QPQETSPELPR_	2	811.929	-0.01
31	IPI00022228	HDLBP	1.00	1	S	0.0157884	82.06	_KQS(ph)LGELIGTLNAAK_	2	930.401	0.00
540	IPI00783698	TMEM87A	1.00	1	S	2.25E-06	64.89	_VATLNS(ph)EEESDPPTYK_	3	950.774	0.00
137	IPI00006865	SEC22B	1.00	1	S	1.06E-05	102.36	_WVEENVPSVTDVALPALLDS(ph)	2	833.893	0.00
207	IPI00026781	FASN	1.00	1	S	0.0056232	78.54	DEER_	2	644.769	0.00
50	IPI00444371	WDR44	1.00	1	S	0.0687976	68.46	_NLGS(ph)INTELQDVQR_	2	640.300	0.00
16	IPI00012268	PSMD2	0.98	1	S	0.229086	31.05	_LGM(ox)LS(ph)PEGTCK_	2	847.738	0.02
512	IPI00006079	BCLAF1	1.00	1	S	0.0036566	85.18	_VGNES(ph)PVQELK_	3	551.608	0.02
1121	IPI00856116	PALLD	1.00	1	S	3.55E-19	147.66	_DKAPVQPQQS(ph)PAAAPGGTDE	2	856.350	0.02
421	IPI00002232	TAOK1	1.00	1	S	7.73E-24	180.61	KPSGK_	2	674.798	0.03
78	IPI00910275	DKFZp686M21196	0.99	1	S	0.0256969	47.31	_LPS(ph)VEEAEPKPLPPASKDEDE	4	821.160	0.03
2716	IPI00010951	EPPK1	0.94	1	S	0.0400016	45.99	DIQSILR_	3	692.344	0.04
524	IPI00479424	KLC1	0.97	1	S	0.0002635	89.16	_QVS(ph)ASELHTSGILGPETLR_	2	663.327	0.04
177	IPI00021812	AHNAK	1.00	1	S	0.0010416	133.79	_SRES(ph)LNVDVVK_	2	615.768	0.04
656	IPI00217560	HIRA	0.97	2	S	0.03249	55.39	_DIDISS(ph)PEFK_	3	673.315	0.05
666	IPI00217560	HIRA	0.97	2	T	0.03249	55.39	_LM(ox)PVS(ph)LSVQSPAALT(ph)A	3	673.315	0.05
255	IPI00414676	HSP90AB1	1.00	1	S	5.27E-34	186.01	EK_	2	787.791	0.05
19	IPI00300725	KRT6A	1.00	1	S	1.10E-05	160.14	_LM(ox)PVS(ph)LSVQSPAALT(ph)A	2	445.182	0.05
								JEDVGS(ph)DEEDDSGK			
								GFS(ph)ANSAR			

37	IPI00300725	KRT6A	1.00	1	S	0.0088757	120.67	_SGFSSVS(ph)VSR_	2	546.740	0.05
523	IPI00784320	FAM83H	1.00	1	S	0.0039116	83.05	_HGS(ph)DPAFAPGPR_	2	644.777	0.06
438	IPI00304742	STK10	1.00	1	S	7.82E-19	139.73	_QVAEQGGDLS(ph)PAANR_	2	796.857	0.07
44	IPI00005996	HMGA2	1.00	1	S	0.002226	87.56	_KQQQEQTGEPG(ph)PK_	2	767.351	0.07
402	IPI00006079	BCLAF1	0.99	1	T	1.74E-06	111.24	_FNQSEGGDDT(ph)EETEDYR_	2	1001.347	0.08
37	IPI00009236	CAV1	1.00	1	S	0.161226	80.54	_AMADELS(ph)EK_	2	537.215	0.08
75	IPI00009867	KRT5	1.00	1	S	3.37E-06	136.96	_RIS(ph)ISTSGGSFR_	2	674.324	0.08
2	IPI00219929	MAX	1.00	1	S	7.66E-23	147.66	_(ac)S(ph)DNDDIEVESDADKR_	2	915.357	0.08
135	IPI00011268	RALY	1.00	1	S	0.0049327	120.67	_GRSL(ph)PVPVPR_	3	386.545	0.08
250	IPI00419249	PSMA3	1.00	1	S	3.27E-27	172.81	_ESLKEEDES(ph)DDDNM(ox)_	2	876.296	0.08
374	IPI00382470	HSP90AA1	0.84	1	S	0.0003074	74.64	_ES(ph)EDKPEIEDVGSDEEEEK_	3	758.300	0.08
385	IPI00382470	HSP90AA1	1.00	1	S	0.0003074	74.64	_ESEDKPEIEDVGS(ph)DEEEEK_	2	1136.947	0.09
5	IPI00013895	S100A11	0.87	1	S	0.161226	80.54	_(ac)AKIS(ph)SPTETER_	2	670.808	0.09
26	IPI00021518	DDB2	1.00	1	S	1.44E-08	115.98	_SRS(ph)PLELEPEAK_	2	718.345	0.09
7	IPI00072377	SET	1.00	1	S	1	40.65	_RQS(ph)PLPPQK_	2	565.790	0.09
624	IPI00816415	AKAP2	0.99	1	S	1.24E-08	72.32	_S(ph)PGALETPSAAGSQGNTASQG	3	699.315	0.09
619	IPI00174962	MICALL1	0.83	1	S	0.0364441	56.50	K_ _SPVSPGGS(ph)SSPQLQVK_ _RLLEGEDAHLSSSQFSS(ph)GSQSS	2	837.909	0.09
433	IPI00384444	KRT14	0.77	1	S	7.16E-102	226.23	R_	3	849.049	0.10
1666	IPI00855787	TNKS1BP1	1.00	1	S	2.14E-08	108.77	_S(ph)AEEGELAESK_	2	615.250	0.10
256	IPI00644297	SKI2W	0.99	1	S	0.0476566	74.04	_ASS(ph)LEDLVLK_	2	577.789	0.10
402	IPI00328293	SRRM1	1.00	2	S	1	28.62	_HRPS(ph)PPAT(ph)PPPK_	3	481.218	0.10
406	IPI00328293	SRRM1	1.00	2	T	1	28.62	_HRPS(ph)PPAT(ph)PPPK_	3	481.218	0.10
641	IPI00215948	CTNNA1	1.00	1	S	9.99E-96	238.03	_TPEELDDS(ph)DFETEDFDVR_	2	1119.934	0.10
212	IPI00021812	AHNAK	0.99	1	S	8.02E-109	251.61	_LPSGS(ph)GAASPTGSAVDIR_	2	861.907	0.11
537	IPI00024024	SFRS17A	1.00	1	S	1	33.98	_VVPEDGS(ph)PEKR_	2	646.798	0.12
2	IPI00009867	KRT5	0.99	1	S	0.161226	80.54	_(ac)S(ph)RQSSVSFR_	2	588.264	0.12
253	IPI00871851	NEDD5	1.00	1	S	1.08E-15	133.99	_IYHLPDAES(ph)DEDEFKEQTR_	3	839.687	0.12
1362	IPI00240812	PDS5B	0.83	1	S	0.0132171	65.53	_AESPES(ph)SAIESTQSTPQK_	2	978.925	0.12
484	IPI00294840	AIM1	0.94	1	S	0.029099	61.01	_DTCVQS(ph)PISSFCTDLK_	2	1017.931	0.13
466	IPI00647837	ZNF185	0.81	1	S	0.0004493	67.31	_RES(ph)CGSSVLTD FEGKDVATK_	3	756.007	0.13
93	IPI00021812	AHNAK	1.00	1	S	0.0009314	92.08	_KGDRS(ph)PEPGQTWTR_	3	565.593	0.13
1549	IPI00413362	SIPA1L1	0.84	1	S	0.42736	42.96	_LIDLES(ph)PTPESQK_	2	768.863	0.13
192	IPI00012512	RRAS2	1.00	1	S	1.38E-08	113.06	_FQEQECPPS(ph)PEPTR_	2	891.364	0.13
3	IPI00012011	CFL1	1.00	1	S	0.0351731	73.06	_(ac)AS(ph)GVAVSDGVIK_	2	612.797	0.13

94	IPI00243221	NRD1	0.99	1	S	0.0005188	92.08	_RGS(ph)LSNAGDPEIVK_	2	761.867	0.14
279	IPI00292228	GSK3A	0.92	1	Y	0.0555698	69.67	_GEPNVSY(ph)ICSR_	2	681.281	0.14
181	IPI00220739	PGRMC1	0.99	1	S	2.10E-13	108.20	_LLKEGEEPTVYS(ph)DEEEKDESAR	3	910.739	0.15
197	IPI00107104	CXorf26	1.00	1	S	2.31E-13	124.18	_GADS(ph)GEEKEEGINR_	2	785.823	0.15
61	IPI00216919	YAP2	1.00	1	S	3.10E-71	211.87	_GDS(ph)ETDLEALFNAVM(ox)NPK	2	1023.940	0.16
109	IPI00216919	YAP2	0.98	1	S	0.0088496	73.12	_QAS(ph)TDAGTAGALTPQHVR_	3	620.958	0.16
498	IPI00024650	SLC16A1	1.00	1	S	0.0656179	59.28	_DTEGGPKEEES(ph)PV_	2	727.290	0.16
135	IPI00005264	PKP2	0.99	1	S	1.06E-05	102.36	_GTAQYSSQKS(ph)VEER_	2	825.362	0.16
264	IPI00013891	TRA2A	1.00	2	S	0.0658257	93.73	_RS(ph)PS(ph)PYYSR_	2	636.744	0.17
266	IPI00013891	TRA2A	1.00	2	S	0.0658257	93.73	_RS(ph)PS(ph)PYYSR_	2	636.744	0.17
924	IPI00784320	FAM83H	0.87	1	S	0.327139	50.00	_RS(ph)SPVPPVPER_	2	650.824	0.17
5077	IPI00021812	AHNAK	1.00	1	S	0.429209	72.21	_VDVKS(ph)PK_	2	426.715	0.18
56	IPI00290077	KRT15	1.00	1	S	0.0192298	68.52	_FVSSGS(ph)GGGYGGGM(ox)R_	2	736.287	0.19
268	IPI00006079	BCLAF1	0.82	1	S	0.0780262	48.85	_NTPSQHSHSIQHS(ph)PER_	2	961.419	0.19
1058	IPI00178187	EHBP1	1.00	1	S	1.24E-10	161.82	_KPS(ph)EDEVLNK_	2	619.787	0.19
186	IPI00009946	TOMM34	1.00	1	S	0.0002635	89.16	_NRVPS(ph)AGDVEK_	2	626.290	0.20
425	IPI00900260	ARHGEF7	1.00	1	S	0.0979923	117.35	_M(ox)S(ph)GFIYQGK_	2	563.736	0.20
44	IPI00384444	KRT14	0.98	1	S	0.0160793	77.46	_APS(ph)TYGGGLSVSSSR_	2	753.335	0.20
199	IPI00003843	TJP2	0.91	1	S	0.0020986	130.93	_S(ph)RSWEDSPER_	2	664.767	0.20
1029	IPI00152011	ARHGAP29	1.00	1	S	0.61353	29.51	_LLLAS(ph)PPNER_	2	595.302	0.21
102	IPI00182728	VPS4B	1.00	1	S	6.39E-07	69.25	_GNDS(ph)DGEGESDDPEK_	2	815.773	0.21
188	IPI00789551	MATR3	1.00	1	S	0.0368975	97.77	_RDS(ph)FDDR_	2	495.687	0.21
37	IPI00479186	PKM2	1.00	1	S	3.37E-06	136.96	_LDIDS(ph)PPITAR_	2	639.310	0.21
886	IPI00328293	SRRM1	1.00	1	S	2.65E-48	192.34	_KETES(ph)EAEDNLDLEK_	2	972.902	0.22
241	IPI00002538	PDPK1	0.97	1	S	0.0048027	62.19	_ANS(ph)FVGTAQYVSPPELLTEK_	2	1067.509	0.22
680	IPI00028931	DSG2	1.00	1	S	0.0171415	69.16	_VVPSFLPVDQGGG(ph)LVGR_	2	903.961	0.23
171	IPI00044748	FMNL2	1.00	1	S	0.0409475	95.09	_S(ph)IEDLHR_	2	475.211	0.23
226	IPI00480028	ABI1	0.90	1	S	0.473856	59.23	_LGSQHS(ph)PGR_	2	509.727	0.23
22	IPI00021405	LMNA	0.96	1	S	0.0005188	92.08	_SGAQASSTPLS(ph)PTR_	2	720.330	0.23
448	IPI00217963	KRT16	0.88	1	S	0.0039116	83.05	_EVFTSSS(ph)SSSSR_	2	670.772	0.23
474	IPI00014068	PAK4	1.00	1	S	1.48E-08	117.38	_S(ph)LVGTPYWM(ox)APELISR_	2	958.455	0.23
2115	IPI00871932	SPTBN1	1.00	1	S	0.0151885	147.50	_RPPS(ph)PEPSTK_	2	588.276	0.25
1225	IPI00412650	SVIL	0.96	1	S	0.0236849	57.73	_GLAS(ph)PTAITPVASAICGK_	2	897.447	0.25
604	IPI00001632	KIAA1522	1.00	1	S	1	33.98	_GLAGPPAS(ph)PGK_	2	516.250	0.26
418	IPI00029601	CTTN	0.92	1	S	1.38E-08	113.06	_LPSS(ph)PVYEDAASFK_	2	795.858	0.26
135	IPI00293427	ZNRF2	1.00	1	S	0.0039116	83.05	_DRPVGGG(ph)PGGPR_	2	616.283	0.27
335	IPI00549766	FAM40A	1.00	1	S	0.0100329	77.71	_AAS(ph)PPASASDLIEQQQK_	2	910.925	0.27

91	IPI00329108	SCEL	0.98	1	S	0.884375	49.59	_YSS(ph)DDTLDR_	2	576.216	0.27
243	IPI00419249	PSMA3	0.99	1	S	3.27E-27	172.81	_ES(ph)LKEEDESDDNM(ox)_	3	584.533	0.28
583	IPI00398002	PLEC1	1.00	1	S	3.69E-05	100.32	_SDEGQLS(ph)PATR_	2	620.764	0.28
836	IPI00855787	TNKS1BP1	1.00	1	S	5.19E-38	208.96	_S(ph)QEADVQDWEFR_	2	795.317	0.29
716	IPI00006298	PPIG	0.90	1	S	0.0687976	68.46	_IRS(ph)SVEKENQK_	2	699.343	0.29
337	IPI00009867	KRT5	1.00	1	S	0.0749993	63.59	_NLDLDS(ph)IIAEVK_	2	705.350	0.29
151	IPI00005264	PKP2	1.00	1	S	1.44E-08	115.98	_LEIS(ph)PDSSPER_	2	655.287	0.29
22	IPI00300725	KRT6A	1.00	1	S	1.10E-05	160.14	_GFSANS(ph)AR_	2	445.182	0.29
236	IPI00784233	GIGYF2	1.00	1	S	0.157971	63.85	_WRPHS(ph)PDGPR_	3	428.859	0.29
1620	IPI00855787	TNKS1BP1	1.00	2	S	3.19E-15	132.59	_VPS(ph)S(ph)DEEVVEEPQSR_	2	923.861	0.30
1621	IPI00855787	TNKS1BP1	1.00	2	S	3.19E-15	132.59	_VPS(ph)S(ph)DEEVVEEPQSR_	2	923.861	0.30
276	IPI00021129	AP3B1	1.00	1	S	1.43E-08	127.93	_NFYES(ph)DDDQKEK_	2	799.306	0.30
242	IPI00009867	KRT5	1.00	1	S	0.180416	114.35	_LDS(ph)ELR_	2	406.681	0.30
515	IPI00397376	ZC3H14	1.00	1	S	0.769956	38.47	_DLVQDPKPAS(ph)PK_	2	687.837	0.31
1832	IPI00291607	ITPR3	0.89	1	S	0.0749993	63.59	_VAS(ph)FSIPGSSSR_	2	637.792	0.31
337	IPI00290857	KRT3	0.98	1	T	0.001094	67.31	_T(ph)LYDAELSQQSHISDTSVVLS	3	1050.797	0.31
4466	IPI00377245	MLL2	1.00	1	S	0.0580991	58.94	M(ox)DNNR_	2	628.362	0.31
2718	IPI00010951	EPPK1	0.82	1	S	0.0400016	45.99	_ALS(ph)PVIPLIPR_	3	692.344	0.32
492	IPI00395337	FIP1L1	0.75	1	S	0.0007	96.60	_QVSAS(ph)ELHTSGILGPETLR_	2	898.860	0.32
261	IPI00550191	C9orf78	0.95	1	S	0.0921243	46.78	_DHS(ph)PTPSVFNSDEER_	3	629.958	0.32
112	IPI00002349	NUFIP2	0.91	1	S	0.0593575	61.07	_VGDEKPEPERS(ph)PPNR_	2	742.325	0.32
399	IPI00029601	CTTN	0.82	1	T	0.139117	41.67	_NLS(ph)SDEATNPISR_	3	671.993	0.33
599	IPI00020984	CANX	0.97	1	S	0.0171415	69.16	_AKT(ph)QTPPVSPAPQTEER_	2	966.853	0.33
672	IPI00855787	TNKS1BP1	1.00	1	S	0.0213776	77.65	_SDAEEDGGTVS(ph)QEEEDR_	2	689.288	0.33
18	IPI00011689	EEF2K	1.00	1	S	0.0687976	68.46	_AS(ph)PEPPGPSSSR_	2	597.761	0.33
153	IPI00003443	IFI16	1.00	1	S	0.0033442	46.91	_LEGVDGGQS(ph)PR_	2	1150.980	0.34
449	IPI00464952	SFRS11	1.00	1	S	4.60E-05	145.18	_VSEEQTQPPS(ph)PAGAGM(ox)ST	2	518.757	0.35
405	IPI00029601	CTTN	1.00	1	S	4.02E-18	141.14	AM(ox)GR_	2	907.920	0.35
489	IPI00410259	PHLDB2	1.00	1	S	6.96E-41	171.65	_KPIETGS(ph)PK_	2	1196.517	0.35
385	IPI00742743	TP53BP1	0.88	1	S	0.0157884	82.06	_TQTPPVS(ph)PAPQTEER_	2	906.414	0.37
435	IPI00384444	KRT14	1.00	1	S	7.16E-102	226.23	_LQLS(ph)DEESVFEEALM(ox)SPDT	2	1195.019	0.39
21	IPI00009867	KRT5	1.00	1	S	1.38E-08	113.06	R_	2	745.848	0.40
366	IPI00009032	SSB	1.00	1	S	2.43E-05	70.68	_STPFIVPSS(ph)PTEQEGR_	2	802.659	0.40
2047	IPI00902614	USP24	1.00	1	S	3.69E-05	100.32	_LLEGEDAHLSSSQFSSGS(ph)QSSR	2	632.303	0.41
545	IPI00010544	TJAP1	0.92	1	S	2.61E-09	117.38	_SFSTAS(ph)AITPSVSR_	2	869.904	0.41
								_FAS(ph)DDEHDEHDENGATGPVK			
								R_			
								VSDQNS(ph)PVLPK			
								KDS(ph)LTQAQEQGNLLN			

1124	IPI00782992	SRRM2	1.00	1	S	0.399492	54.27	_GEFSAS(ph)PM(ox)LK_	2	581.746	0.41
12	IPI00219160	RPL34	1.00	1	S	0.0088757	120.67	_RLS(ph)YNTASNK_	2	617.285	0.42
99	IPI00021812	AHNAK	0.89	1	T	0.0009314	92.08	_KGDSPPEPGQT(ph)WTR_	2	847.886	0.42
14	IPI00181617	RBM34	1.00	1	S	0.0073517	83.05	_S(ph)VQEGENPDDGVR_	2	741.299	0.42
703	IPI00020060	SLC9A1	1.00	1	S	4.84E-23	193.40	_IGS(ph)DPLAYEPK_	2	635.292	0.43
547	IPI00019205	EAP1	0.96	1	S	0.121466	44.42	_KAS(ph)PEPPDSAEGALK_	2	788.866	0.43
552	IPI00017292	CTNNB1	0.90	1	S	0.0072808	91.40	_RTS(ph)M(ox)GGTQQQFVEGVR_	3	626.284	0.43
122	IPI00220402	PPP1R2	0.97	2	S	0.203365	35.64	_IQEQES(ph)S(ph)GEEDSDLSPEER_	2	1162.428	0.43
121	IPI00220402	PPP1R2	0.91	2	S	0.203365	35.64	_IQEQES(ph)S(ph)GEEDSDLSPEER_	2	1162.428	0.43
296	IPI00807625	FNBP1	0.76	1	S	0.427813	33.98	_TVS(ph)DNLSNSR_	2	630.267	0.43
401	IPI00029601	CTTN	0.99	1	T	4.02E-18	141.14	_AKTQT(ph)PPVSPAPQPTTEER_	3	671.993	0.44
632	IPI00157757	MICAL1	0.95	1	S	0.0030472	51.86	_S(ph)M(ox)AHSPGPVVSQASPGTSS_	3	847.068	0.44
112	IPI00306840	SGPP1	1.00	1	S	4.76E-12	120.05	_AVLFLSK_	3	847.068	0.44
12	IPI00021405	LMNA	1.00	1	S	0.0005188	92.08	_NS(ph)LTGEEGLAR_	2	677.804	0.44
403	IPI00472794	FCHO2	1.00	1	S	0.268802	69.56	_S(ph)GAQASSTPLSPTR_	2	720.330	0.45
925	IPI00784320	FAM83H	0.81	1	S	0.327139	50.00	_NLS(ph)NEELTK_	2	564.253	0.46
201	IPI00003843	TJP2	0.90	1	S	0.0020986	130.93	_RSS(ph)PVPPVPER_	2	650.824	0.46
8	IPI00009867	KRT5	1.00	1	S	0.161226	80.54	_SRS(ph)WEDSPER_	2	664.767	0.47
473	IPI00438229	TRIM28	1.00	1	S	1.13E-05	133.79	_QSSVS(ph)FR_	2	445.692	0.47
248	IPI00477686	GTF2F2	1.00	1	S	0.0789022	92.16	_S(ph)GEGEVSGLM(ox)R_	2	609.247	0.47
241	IPI00396171	MAP4	0.90	1	T	1.06E-05	102.36	_HYQGEESK(ph)D_	2	586.716	0.47
1927	IPI00782992	SRRM2	0.97	2	T	1	26.86	_DM(ox)ESPT(ph)KLDVTLAK_	2	822.384	0.48
1925	IPI00782992	SRRM2	0.91	2	S	1	26.86	_S(ph)RT(ph)PPVTR_	3	358.490	0.49
541	IPI00300725	KRT6A	0.98	1	S	0.0171415	69.16	_S(ph)RT(ph)PPVTR_	3	358.490	0.49
247	IPI00395887	TMX1	0.99	1	S	1.01E-13	129.11	_AIGGGLSS(ph)VGGGSSTIK_	2	764.374	0.49
347	IPI00216047	SMARCC2	0.99	1	S	0.0236849	57.73	_VEEEQEAEDEEDVS(ph)EEEEASK_	2	1195.450	0.49
239	IPI00396171	MAP4	0.91	1	S	1.06E-05	102.36	_DM(ox)DEPS(ph)PVPNVVEEVLTK_	2	1046.463	0.50
14	IPI00549725	PGAM1	1.00	1	S	3.69E-05	100.32	_DM(ox)ES(ph)PTKLDVTLAK_	3	548.591	0.51
2204	IPI00026781	FASN	1.00	1	T	6.58E-05	59.42	_HGES(ph)AWNLENR_	2	696.788	0.51
41	IPI00304409	CARHSP1	0.87	1	S	0.327139	50.00	_ADEASELACTP(ph)PK_	2	734.805	0.52
30	IPI00299667	VAMP4	1.00	1	S	3.45E-09	121.73	_GNVVPS(ph)PLPTR_	2	608.808	0.52
31	IPI00009867	KRT5	0.99	1	S	0.257113	88.27	_RNLEDDDS(ph)DEEEDFFLR_	3	741.314	0.52
126	IPI00306604	ITGA5	0.91	1	S	7.57E-14	130.49	_TS(ph)FTSVSR_	2	482.710	0.52
1538	IPI00880094	RGNEF	1.00	1	S	0.0971597	53.28	_LLESLS(ph)SSEGEPEVEYK_	2	1031.959	0.52
876	IPI00782992	SRRM2	0.98	1	S	0.403216	44.87	_S(ph)LPAVLLPGGPEVM(ox)ELNR_	2	994.500	0.52
52	IPI00027834	HNRNPL	1.00	1	S	0.0508231	59.28	_SCFESS(ph)PDPELK_	2	738.292	0.52
								YYGGGS(ph)EGGRAPK	2	689.793	0.54

52	IPI00871279	SLC38A1	0.96	1	S	0.107595	88.27	_S(ph)LTNSHLEK_	2	554.755	0.54
687	IPI00006298	PPIG	0.99	1	S	0.157971	63.85	_ADRQSQS(ph)PFSK_	2	615.761	0.54
936	IPI00784320	FAM83H	1.00	1	S	0.0005188	92.08	_RGS(ph)LTLTISGESPK_	2	763.385	0.55
1943	IPI00019502	MYH9	1.00	1	S	5.23E-14	143.95	_KGAGDGS(ph)DEEVDGKADGAEA K_ _RDSFDDRGRPS(ph)LNPVLDYDHGS	3	695.958	0.57
195	IPI00789551	MATR3	0.83	1	S	0.0004822	51.91	R_	4	650.290	0.57
346	IPI00883925	FLJ00169	1.00	1	S	8.72E-12	128.36	_S(ph)AGEEEDGPVLTDEQK_	2	892.367	0.57
1003	IPI00784320	FAM83H	1.00	1	S	4.74E-30	159.38	_RLS(ph)LGQGDSTEAAATEER_	2	950.426	0.58
586	IPI00414315	EPS8L2	0.98	1	S	0.399492	54.27	_YWGPAS(ph)PTHK_	2	612.266	0.60
725	IPI00328293	SRRM1	0.91	2	S	1	19.17	_RQS(ph)PS(ph)PSTRPIR_	2	771.353	0.60
486	IPI00555838	MARK2	1.00	1	S	0.884375	49.59	_SRNS(ph)PLLER_	2	576.282	0.60
83	IPI00021831	PRKAR1A	0.99	1	S	0.0185932	60.55	_TDSREDEIS(ph)PPPPNPVVK_	3	686.324	0.61
320	IPI00007277	LRRFIP2	0.78	1	S	0.0160793	77.46	_NSASATTPS(ph)GNSSR_	2	765.333	0.62
196	IPI00816770	DKFZp779D0769	1.00	1	S	8.45E-11	115.27	_RGS(ph)IGENQIKDEK_	2	777.370	0.63
830	IPI00871686	CLASP2	0.97	1	S	0.0171415	69.16	_VLNTGS(ph)DVEEAVADALK_	2	905.927	0.64
105	IPI00217970	RTKN2	1.00	1	S	0.0259568	111.83	_IAIS(ph)DIR_	2	434.220	0.64
82	IPI00025512	HSPB1	0.99	1	S	0.019028	84.82	_QLS(ph)SGVSEIR_	2	578.274	0.64
1057	IPI00395813	ZNF687	1.00	1	S	0.344374	46.27	_HGLQLGAQS(ph)PGR_	2	650.812	0.64
117	IPI00396015	ACACA	1.00	1	S	0.019028	84.82	_SSM(ox)S(ph)GLHLVK_	2	577.767	0.65
791	IPI00297578	FILIP1L	1.00	1	S	0.005831	96.19	_RIS(ph)DPQVFSK_	2	628.805	0.66
140	IPI00013508	ACTN1	1.00	1	S	0.0458769	63.90	_FAIQDIS(ph)VEETSAK_	2	809.374	0.66
79	IPI00009867	KRT5	0.92	1	S	3.37E-06	136.96	_ISISTS(ph)GGSFR_	2	596.274	0.66
594	IPI00018914	PTPN14	0.88	1	S	0.0749993	63.59	_YVSGSS(ph)PDLVTR_	2	680.811	0.67
480	IPI00299571	PDIA6	1.00	1	S	5.52E-05	62.17	_DGELPVEDDIDLS(ph)DVELDDLK DEL_	2	1419.621	0.68
16	IPI00009867	KRT5	0.91	1	S	1.38E-08	113.06	_S(ph)FSTASAITPSVSR_	2	745.848	0.68
379	IPI00104050	THRAP3	0.97	1	S	0.133651	54.65	_GSFS(ph)DTGLGDGK_	2	610.745	0.68
873	IPI00000105	MVP	0.81	1	S	8.17E-06	66.93	_VASGSPGEGIS(ph)PQSAQAPQA PGDNHVVPLR_	3	1067.189	0.69
191	IPI00910275	DKFZp686M21196	1.00	1	S	0.164547	58.94	_GVPEKS(ph)PVLEK_	2	631.823	0.69
852	IPI00154915	PARD3	1.00	1	S	0.340526	37.06	_S(ph)M(ox)DLGIADETK_	2	638.262	0.74
235	IPI00030399	BNIP2	0.90	1	S	0.0213776	77.65	_KGS(ph)ITEYTAEEK_	2	753.840	0.74
2514	IPI00299512	NF1	0.84	1	T	0.0071766	70.05	_GSEGYLAATYPTVGQT(ph)SPR_	2	1017.962	0.74
24	IPI00033600	PPP1R7	1.00	2	S	0.352385	36.15	_RVES(ph)EES(ph)GDEEGKK_	2	869.832	0.75
1192	IPI00925413	EIF4G1	0.99	1	S	0.0306612	100.94	_S(ph)FSKEVEER_	2	595.758	0.75
82	IPI00784614	Ov/Br septin	0.84	1	S	0.0056232	78.54	_HVDSLS(ph)QRSRK_	2	667.317	0.75
959	IPI00923493	TBC1D2B	1.00	1	S	0.029099	61.01	_DTSPDKGELVS(ph)DEEEDT_	2	973.375	0.76
5	IPI00009867	KRT5	0.92	1	S	0.161226	80.54	_(ac)SRQS(ph)SVSFR_	2	588.264	0.78
771	IPI00748577	SLC26A6	0.99	1	S	0.327139	50.00	_PVPDS(ph)PVSVTR_	2	617.297	0.79
41	IPI00910738	KRT6B	0.97	1	S	0.0143277	52.70	_S(ph)RGSGLGGACGGAGFGSR_	3	583.249	0.79

298	IPI00328715	MTDH	1.00	1	S	0.0198305	68.46	_LSSQIS(ph)AGEEK_	2	614.776	0.79
307	IPI00008274	CAP1	0.86	1	T	0.0083039	73.72	_SGPKPFSAPKQQT(ph)SPSPK_	2	959.477	0.79
110	IPI00003443	IFI16	0.83	1	S	0.354552	34.96	_EVDATS(ph)PAPSTSSTVK_	2	828.872	0.80
965	IPI00303343	SCAF1	0.99	1	S	0.0039116	83.05	_GAEETSWS(ph)GEER_	2	709.267	0.81
435	IPI00289082	PTPN12	1.00	1	S	0.107246	84.57	_LNE(ph)FEIK_	2	465.720	0.82
106	IPI00029834	RTKN	1.00	1	S	0.0027346	112.01	_RPS(ph)DSGPPAER_	2	624.772	0.84
1057	IPI00397383	KIF1B	1.00	1	S	0.0228478	80.54	_SGLS(ph)LEELR_	2	542.258	0.84
701	IPI00022058	ASAP2	1.00	1	S	2.57E-30	155.40	_LLHEDLDES(ph)DDDM(ox)DEK_	2	1007.877	0.84
218	IPI00514127	HDGF	0.95	1	S	1	33.98	_NSTPS(ph)EPGSGR_	2	584.735	0.84
9	IPI00917683	SUMO1	0.86	1	S	0.0072808	91.40	_(ac)SDQEAKPS(ph)TEDLGDKK_	2	935.409	0.85
567	IPI00009867	KRT5	0.98	1	S	0.002111	95.97	_GLVGVFGS(ph)GGGSSSVK_	2	760.343	0.87
39	IPI00217963	KRT16	1.00	1	S	3.69E-05	100.32	_ISSVLAGGS(ph)CR_	2	593.768	0.88
600	IPI00479424	KLC1	0.99	1	S	0.0106106	73.06	_ASS(ph)LNVLNVGGK_	2	619.811	0.89
429	IPI00328293	SRRM1	1.00	2	S	0.595349	48.70	_SRVS(ph)VS(ph)PGR_	2	552.734	0.89
97	IPI00163505	RBM39	1.00	1	S	0.0789022	92.16	_YRS(ph)PYSGPK_	2	567.753	0.90
51	IPI00020124	PI4K2A	1.00	2	S	7.41E-05	96.02	_VAAAAGSGPS(ph)PPGS(ph)PGHD R_	2	924.377	0.90
47	IPI00020124	PI4K2A	1.00	2	S	7.41E-05	96.02	_VAAAAGSGPS(ph)PPGS(ph)PGHD R_	2	924.377	0.90
148	IPI00398272	COL17A1	1.00	2	S	0.0658257	93.73	_LQS(ph)AS(ph)PSTR_	2	553.718	0.93
29	IPI00009544	RALBP1	0.99	1	S	0.0580991	58.94	_TPS(ph)SEEISPTK_	2	628.276	0.93
440	IPI00641770	PI4KB	1.00	1	S	0.0023278	82.24	_S(ph)VENLPECGITHEQR_	2	924.901	0.93
178	IPI00902997	FAM134A	1.00	1	S	0.0192298	68.52	_QALDS(ph)EEEEEDVAAK_	2	871.854	0.94
578	IPI00174962	MICALL1	1.00	1	S	1.38E-08	113.06	_VEQM(ox)PQAS(ph)PGLAPR_	2	788.863	0.97
137	IPI00643342	PEA15	1.00	1	S	0.0213776	77.65	_QPS(ph)EEEEIK_	2	576.763	0.97
364	IPI00413817	SERINC1	0.94	1	S	0.209963	42.96	_SDGS(ph)LEDGDDVHR_	2	741.281	0.99
308	IPI00008274	CAP1	0.98	1	S	0.0083039	73.72	_PQTS(ph)PSPK_	2	461.208	1.01
253	IPI00104050	THRAP3	0.96	2	S	0.183227	40.22	_ERS(ph)PALKS(ph)PLQSVVVR_	3	642.659	1.03
3803	IPI00025276	TNXB	1.00	2	S	0.053661	60.67	_TLS(ph)PVLES(ph)PR_	2	629.778	1.03
3798	IPI00025276	TNXB	0.88	2	S	0.053661	60.67	_TLS(ph)PVLES(ph)PR_	2	629.778	1.03
261	IPI00217952	GFPT1	0.97	1	S	8.31E-06	97.94	_VDS(ph)TTCLFPVEEK_	2	802.849	1.05
14	IPI00294501	DHCR7	1.00	1	S	0.12577	50.00	_AKS(ph)LDGVTNDR_	2	628.288	1.05
3	IPI00647400	RNPEP	0.97	1	S	8.31E-06	97.94	_(ac)AS(ph)GEHSPGSGAAR_	2	653.265	1.07
161	IPI00456887	HNRNPUL2	0.98	1	S	0.13537	50.86	_REEDEPEERS(ph)GDETPGSEVPGD K_	3	875.359	1.11
582	IPI00021634	KLC2	1.00	1	S	0.473856	59.23	_ASS(ph)LNFLNK_	2	537.255	1.11
142	IPI00513853	STX12	1.00	1	S	0.0076441	84.82	_AGSRLS(ph)AEER_	3	385.843	1.12
2670	IPI00291607	ITPR3	1.00	1	S	0.0351731	73.06	_LGFVDVQNCIS(ph)R_	2	744.339	1.12
21	IPI00398779	PLEC1	0.96	1	S	8.31E-06	97.94	_TSS(ph)EDNLYLAVLR_	2	780.869	1.13

294	IPI00856045	AHNAK2	0.92	1	S	4.86E-31	160.57	_DAHDVS(ph)PTSTDTEAQLTVER_	2	1126.489	1.13
480	IPI00396171	MAP4	0.94	1	T	0.169713	38.75	_DVT(ph)PPPETEVLK_	2	808.913	1.14
394	IPI00217121	C19orf21	0.85	1	S	0.025833	64.59	_ALS(ph)SDSILSPAPDAR_	2	790.372	1.19
26	IPI00221232	GNG12	1.00	1	S	0.0368975	97.77	_LEAS(ph)IER_	2	449.208	1.20
107	IPI00291738	TMEM40	1.00	1	S	2.57E-30	155.40	_RGS(ph)DPASGEVEASQLR_	2	869.891	1.21
32	IPI00217963	KRT16	0.85	1	S	3.69E-05	100.32	_IS(ph)SVLAGGSCR_	2	593.768	1.21
424	IPI00009771	LMNB2	0.99	1	S	2.26E-17	135.71	_ATSSSSGS(ph)LSATGR_	2	674.791	1.21
700	IPI00183002	PPP1R12A	0.78	1	T	0.0165204	63.90	_RSTQGVV(ph)LTDLQEAQ_	3	619.298	1.21
448	IPI00328293	SRRM1	0.98	1	S	0.0687976	68.46	_RES(ph)PSPAPKPR_	3	434.550	1.22
270	IPI00742743	TP53BP1	1.00	1	S	0.123293	56.31	_SEDM(ox)PFS(ph)PK_	2	567.215	1.22
111	IPI00291738	TMEM40	0.98	1	S	2.57E-30	155.40	_RGSDPAS(ph)GEVEASQLR_	3	580.263	1.23
618	IPI00020984	CANX	1.00	1	S	5.29E-05	93.54	_AEDEILNRS(ph)PR_	2	754.841	1.23
245	IPI00412650	SVIL	0.99	1	S	0.133651	54.65	_DSSFTEVPRS(ph)PK_	2	715.322	1.25
184	IPI00647915	TAGLN2	1.00	1	S	3.37E-06	136.96	_NFS(ph)DNQLQEGK_	2	680.282	1.25
572	IPI00009867	KRT5	0.79	1	S	0.002111	95.97	_GLGVGFGSGGSS(ph)SSVK_	2	760.343	1.28
6	IPI00009867	KRT5	0.87	1	S	0.161226	80.54	_QSS(ph)VSFR_	2	445.692	1.29
57	IPI00186290	EEF2	0.98	1	T	0.0056232	78.54	_AGETRFT(ph)DTR_	2	617.267	1.29
71	IPI00910738	KRT6B	0.77	1	S	1	24.44	_IS(ph)IGGGSCAISGGYGS_	2	839.866	1.29
112	IPI00032206	PDLIM4	0.97	1	S	3.45E-09	121.73	_IHIDPEIQDGS(ph)PTTSR_	3	615.951	1.31
93	IPI00398272	COL17A1	1.00	1	S	0.002879	83.61	_AHPASTLPNS(ph)PGSTFER_	3	645.958	1.32
192	IPI00397381	EPN2	1.00	2	S	0.0006762	88.19	_AGGS(ph)PAS(ph)YHGSTSPR_	2	796.301	1.34
195	IPI00397381	EPN2	0.99	2	S	0.0006762	88.19	_AGGS(ph)PAS(ph)YHGSTSPR_	2	796.301	1.34
349	IPI00014454	RIN1	0.97	1	S	4.13E-05	97.94	_S(ph)M(ox)SAAFCSLLAPER_	2	818.349	1.34
574	IPI00009867	KRT5	0.97	1	S	0.002111	95.97	_GLGVGFGSGGSSSS(ph)VK_	2	760.343	1.36
544	IPI00043622	FRMD6	1.00	1	S	0.0789022	92.16	_HSL(ph)LDDIR_	2	568.261	1.36
1069	IPI00027422	ITGB4	1.00	1	S	5.29E-05	93.54	_LLELQEVDS(ph)LLR_	2	754.392	1.37
9	IPI00796864	DPM1	0.99	1	S	0.019028	84.82	_acASLEVSRS(ph)PR_	2	612.293	1.40
52	IPI00910275	DKFZp686M21196	1.00	1	S	1.85E-08	104.52	_NLS(ph)STTDDEAPR_	2	693.283	1.41
93	IPI00927614	GOLGA4	1.00	1	S	0.473856	59.23	_VPS(ph)VESLFR_	2	557.271	1.43
263	IPI00021058	SLC4A7	0.99	1	S	6.29E-07	110.18	_NGILASPQS(ph)APGNLNSK_	2	931.936	1.45
184	IPI00152685	TTC15	0.97	1	S	0.0052035	108.77	_SPS(ph)FGGASEASAR_	2	652.269	1.47
142	IPI00794221	DBN1	0.99	1	S	0.487342	65.09	_LSS(ph)PVLHR_	2	494.752	1.51
429	IPI00855787	TNKS1BP1	0.96	1	S	0.0874031	47.47	_RFS(ph)EGVLQSPSQDQEK_	3	638.958	1.53
9	IPI00152503	DTX3L	1.00	1	S	0.0508231	59.28	_acASHLRPPS(ph)PLLVR_	2	782.922	1.54
571	IPI00009867	KRT5	0.81	1	S	0.002111	95.97	_GLGVGFGSGGSS(ph)SSVK_	2	760.343	1.57
220	IPI00029834	RTKN	0.99	1	S	1	49.97	_LSSS(ph)LGR_	2	400.189	1.59
197	IPI00005264	PKP2	1.00	1	S	0.0687976	68.46	_YARS(ph)EIVGVSR_	2	658.822	1.60
314	IPI00026952	PKP3	0.89	1	S	2.61E-09	117.38	_LSS(ph)GFDDIDLPSAVK_	2	822.382	1.65
257	IPI00299063	STIM1	1.00	1	S	3.85E-05	112.01	_AEQS(ph)LHDLQER_	2	703.309	1.69

1494	IPI00027422	ITGB4	0.99	1	S	0.874565	60.67	_DYN(ph)LTR_	2	474.695	1.71
527	IPI00018098	PRPF38B	0.93	2	S	1	17.48	_S(ph)QS(ph)IEQESQEK_	2	726.768	1.72
529	IPI00018098	PRPF38B	0.92	2	S	1	17.48	_S(ph)QS(ph)IEQESQEK_	2	726.768	1.72
563	IPI00910882	TBC1D5	0.92	1	S	0.101346	51.98	_NISSSPS(ph)VESLPGGR_	2	783.862	1.74
2	IPI00847342	KRT7	1.00	1	S	0.0554954	68.46	_(ac)S(ph)IHFSSPVFTSR_	2	743.840	1.80
114	IPI00006207	LRRFIP1	0.98	1	T	4.85E-13	145.45	_NM(ox)PGLSAATLASLGGT(ph)SS	2	943.938	1.84
395	IPI00217121	C19orf21	0.89	1	S	0.025833	64.59	_R_	2	790.372	1.93
40	IPI00479145	KRT19	1.00	1	S	0.164547	58.94	_ALSS(ph)DSILSPAPDAR_	2	538.238	2.02
21	IPI00419932	RAB12	1.00	1	S	0.0622308	51.91	_APSIHGGG(ph)GGR_	2	832.381	2.05
1002	IPI00640092	SH3PXD2A	0.99	1	S	0.0895344	54.65	_AGGGGGLGAGS(ph)PALSGGQGR	2	628.780	2.07
11	IPI00760715	CAST	1.00	1	S	0.136973	47.47	_NES(ph)LTATDGLR_	2	533.598	2.08
136	IPI00071826	FAM54B	1.00	1	S	0.0361344	100.94	_(ac)SQPGQKPAAS(ph)PRPR_	3	475.726	2.14
128	IPI00398272	COL17A1	0.78	1	S	0.208357	49.59	_NAS(ph)VPNLR_	2	482.692	2.24
419	IPI00418471	VIM	0.91	1	S	0.0021482	102.36	_EFAS(ph)SSTR_	2	825.934	2.35
1483	IPI00027422	ITGB4	1.00	1	S	0.0076441	84.82	_ISLPLPNFS(ph)SLNLR_	2	572.784	2.35
35	IPI00479145	KRT19	1.00	1	S	0.164547	58.94	_VLS(ph)TSSTLTR_	2	359.161	2.40
123	IPI00026952	PKP3	1.00	1	S	0.330581	65.09	_APS(ph)IHGGSGGR_	3	537.718	2.42
457	IPI00290110	PDCD4	1.00	1	S	0.0789022	92.16	_S(ph)AVDLSCSR_	2	502.198	2.56
543	IPI00217121	C19orf21	0.95	1	S	0.0789022	92.16	_FVS(ph)EGDGGR_	2	557.742	2.59
59	IPI00186290	EEF2	0.91	1	T	0.0056232	78.54	_SQS(ph)SDLLER_	2	752.825	2.64
578	IPI00385042	GTPBP4	1.00	1	S	0.109822	68.26	_FTDT(ph)RKDEQER_	2	363.663	2.96
887	IPI00396171	MAP4	0.90	1	S	0.0198305	68.46	_DVS(ph)GLR_	2	605.789	3.01
269	IPI00182540	CTNND1	0.99	1	S	0.0137753	74.04	_LATNTS(ph)APDLK_	2	553.753	3.25
270	IPI00306301	PDHA1	1.00	1	S	0.0117704	130.93	_VGGSS(ph)VDLHR_	2	548.212	3.34
								YGM(ox)GTS(ph)VER	2		

Supplementary Table 7: Fibroblast cell line. Cell lysates were prepared from unlabeled (Arg0/Lys0), freshly isolated fibroblasts and labeled (Arg10/Lys8), immortalized fibroblast cell line. Shown are normalized log₂ transformed protein ratios of identified proteins. For identification a minimum of 2 peptides per protein has to be identified (unique + razor). The database used for identification was a decoy database based on IPI v. 3.59 containing in total 160,820 entries. As a criterium for identification the posterior error probability rate of identified proteins (PEP) is shown. The peptide numbers represent peptides used for quantitation.

Protein ID	Gene Symbol	Unique + Razor Sequence Coverage [%]	PEP	Log2 Ratio	Peptide No.	Variability [%]	Quantil
IPI00218914;	ALDH1A1	37.7	1.55E-179	-5.678	16	114.5	Q1
IPI00871843;	TGM2	27.1	9.12E-141	-5.076	21	62.5	Q1
IPI00022810	CTSC	6.7	3.80E-15	-4.794	3	89.9	Q1
IPI00847793;	DCD	20.7	3.16E-29	-4.746	4	96.8	Q1
IPI00014852;	PGM5	16	1.88E-49	-4.251	9	38.1	Q1
IPI00554711	JUP	5.1	9.74E-08	-4.143	2	118.2	Q1
IPI00887461;	HLA-B	15.5	5.05E-70	-3.842	6	179.3	Q1
IPI00607801;	CES1	15	3.06E-24	-3.830	7	151.9	Q1
IPI00293616;	DDX3Y	5.5	4.76E-184	-3.783	3	21.0	Q1
IPI00465084	DES	18.5	6.64E-49	-3.710	8	158.8	Q1
IPI00009645;	RANBP17	1.5	7.29E-01	-3.432	3	156.0	Q1
IPI00657706;	MBOAT7	5.1	2.42E-08	-3.350	2	11.8	Q1
IPI00220194;	SLC2A1	4.9	7.99E-18	-3.116	6	91.4	Q1
IPI00021692;	MBNL1	5.7	1.03E-05	-3.098	9	143.1	Q1
IPI00877611;	LOC727849	12.8	1.20E-01	-3.097	2	45.3	Q1
IPI00336081;	MYLK	28.7	1.87E-193	-3.066	68	37.5	Q1
IPI00554788;	KRT18	11.9	2.83E-39	-3.001	9	99.3	Q1
IPI00014398;	FHL1	27.2	1.30E-63	-2.995	9	34.8	Q1
IPI00020632;	ASS1	12.9	3.23E-39	-2.867	10	89.1	Q1
IPI00414008;	LMOD1	17.6	9.93E-51	-2.792	12	39.5	Q1
IPI00297646;	COL1A1	44.1	1.74E-298	-2.736	84	192.9	Q1
IPI00299738;	PCOLCE	7.8	1.04E-07	-2.551	3	23.3	Q1
IPI00554538;	TPP1	13.2	1.73E-133	-2.471	4	23.5	Q1
IPI00012069;	NQO1	31.8	7.70E-47	-2.413	14	16.4	Q1

IPI00742968;	HLA-A	12.6	1.77E-109	-2.404	4	115.2	Q1
IPI00218487;	GJA1	6	1.95E-03	-2.333	2	19.5	Q1
IPI00021458	EHD3	7.1	9.45E-60	-2.326	2	1.7	Q1
IPI00021264	CNN1	38.7	2.48E-75	-2.295	14	11.2	Q1
IPI00847342;	KRT7	7.2	2.41E-31	-2.267	3	25.1	Q1
IPI00900324;	SYNPO2	8.6	1.46E-12	-2.257	10	23.8	Q1
IPI00847322;	SOD2	34.2	1.32E-86	-2.250	12	8.7	Q1
IPI00658152;	TNS3	8.5	6.43E-140	-2.202	8	19.1	Q1
IPI00300599;	CTSK	40.7	4.26E-48	-2.150	23	57.1	Q1
IPI00247063	MME	41.3	<1.0E-304	-2.084	64	49.2	Q1
IPI00001580;	FYCO1	15.2	5.64E-134	-2.081	20	47.4	Q1
IPI00298292;	PTK7	14.6	3.86E-112	-2.051	21	58.5	Q1
IPI00296099;	THBS1	26.1	7.46E-238	-2.016	70	64.1	Q1
IPI00060423;	CTHRC1	17.7	6.98E-22	-2.015	4	8.8	Q1
IPI00873137;	COL1A2	28.6	4.46E-230	-2.012	58	177.1	Q1
IPI00746455;	FARP1	12.2	2.29E-38	-1.970	11	9.9	Q1
IPI00021033;	COL3A1	11.5	9.64E-76	-1.958	16	79.6	Q1
IPI00021695;	ATP2B1	9.7	2.53E-245	-1.953	9	70.7	Q1
IPI00016915	IGFBP7	12.4	4.68E-04	-1.949	2	32.4	Q1
IPI00045219;	SNX18	10.5	7.86E-34	-1.940	10	30.9	Q1
IPI00550239	H1FO	11.9	3.94E-26	-1.880	2	121.9	Q1
IPI00026314;	GSN	39.4	<1.0E-304	-1.872	55	66.0	Q1
IPI00329573;	COL12A1	29.2	<1.0E-304	-1.869	80	45.2	Q1
IPI00914866;	AOX1	2.8	1.23E-11	-1.861	3	61.1	Q1
IPI00001734;	PSAT1	29.6	3.91E-42	-1.837	13	11.4	Q1
IPI00856116;	PALLD	19.9	1.96E-121	-1.808	28	16.4	Q1
IPI00639805;	GSTM2	30	3.35E-93	-1.778	5	79.8	Q1
IPI00004363	STK39	4.4	1.94E-31	-1.772	3	19.6	Q1
IPI00019988;	SGSH	19.5	2.55E-53	-1.746	10	68.5	Q1
IPI00296713;	GRN	6.4	5.39E-05	-1.731	3	13.7	Q1
IPI00011229;	CTSD	33	1.05E-199	-1.720	29	35.3	Q1
IPI00295400;	WARS	24.8	8.25E-90	-1.697	9	10.1	Q1
IPI00304577;	AP2A1	25.7	4.40E-174	-1.686	43	144.3	Q1

IPI00008603;	ACTA2	37.4	3.14E-280	-1.678	24	112.0	Q1
IPI00008787;	NAGLU	3.9	1.33E-04	-1.666	3	5.9	Q1
IPI00293088;	GAA	5.7	1.82E-26	-1.659	8	65.1	Q1
IPI00237884;	AKAP12	24.1	<1.0E-304	-1.620	39	48.0	Q1
IPI00008494;	ICAM1	7.7	4.03E-21	-1.615	6	21.1	Q1
IPI00418446;	ASAH1	7.3	4.75E-04	-1.609	3	21.9	Q1
IPI00027851;	HEXA	17.8	1.21E-62	-1.609	9	62.5	Q1
IPI00640525;	PPGB	15.1	1.26E-52	-1.596	7	9.5	Q1
IPI00011200;	PHGDH	20.1	1.09E-51	-1.592	7	10.3	Q1
IPI00878985;	INF2	17.5	1.70E-200	-1.545	23	76.1	Q1
IPI00218729;	DLG1	4	5.45E-11	-1.541	3	12.1	Q1
IPI00006666;	SLC16A3	4.5	1.18E-02	-1.523	2	6.4	Q1
IPI00015944;	EML2	4.7	2.42E-05	-1.508	3	13.2	Q1
IPI00025160;	VAC14	8.2	3.09E-21	-1.489	7	13.2	Q1
IPI00219129;	NQO2	11.7	2.75E-76	-1.487	2	1.1	Q1
IPI00012426;	SCPEP1	9.1	1.12E-22	-1.480	5	81.8	Q1
IPI00298308;	ALDH1L2	17.1	1.08E-120	-1.441	15	6.8	Q1
IPI00020539;	PGPEP1	7.7	2.20E-08	-1.439	2	15.6	Q1
IPI00796919;	GLB1	17.8	1.33E-87	-1.437	14	6.1	Q1
IPI00295741;	CTSB	39.8	7.80E-271	-1.422	27	20.6	Q1
IPI00219684	FABP3	53.4	1.08E-47	-1.403	8	66.0	Q1
IPI00332106;	PBXIP1	10.7	5.81E-61	-1.384	6	13.2	Q1
IPI00012585	HEXB	21.8	2.45E-77	-1.383	16	47.1	Q1
IPI00376689;	KIAA1199	10.4	4.03E-35	-1.377	13	15.3	Q1
IPI00010348;	DNASE2	5.3	1.23E-01	-1.373	2	21.9	Q1
IPI00797038;	PCK2	26.4	1.01E-159	-1.371	14	10.6	Q1
IPI00884896;	TXNRD1	22	3.01E-91	-1.362	14	27.6	Q1
IPI00796934;	RPL29	14.5	4.53E-12	-1.358	2	22.4	Q1
IPI00023704;	LPP	17.3	3.77E-53	-1.351	9	32.4	Q1
IPI00479912;	PXK	2.8	1.31E-21	-1.343	2	29.5	Q1
IPI00889740;	FBLN1	2.8	9.24E-04	-1.336	2	2.9	Q1
IPI00074870	DNAJC1	3.4	6.75E-13	-1.333	2	160.8	Q1
IPI00019472;	SLC1A5	16.5	3.50E-63	-1.313	9	26.1	Q1

IPI00027078;	CPD	5.8	5.39E-10	-1.309	9	36.9	Q1
IPI00745313;	AEBP1	4.1	9.15E-13	-1.305	4	25.4	Q1
IPI00927606;	GPX1	24.1	5.81E-14	-1.275	5	34.4	Q1
IPI00218682;	P4HA1	34.6	5.08E-178	-1.272	21	12.1	Q1
IPI00554481;	SLC3A2	19.4	2.84E-64	-1.268	16	19.7	Q1
IPI00384280;	PCYOX1	16.2	3.04E-17	-1.264	9	53.3	Q1
IPI00794169;	ANO10	3.3	3.27E-17	-1.234	2	11.1	Q1
IPI00298267;	PTGS1	9.2	5.70E-04	-1.223	6	11.6	Q1
IPI00006675;	ABCC4	1.6	3.81E-04	-1.218	3	37.9	Q1
IPI00465436	CAT	32.6	3.61E-127	-1.217	16	19.6	Q1
IPI00180404;	NEXN	9.6	1.93E-15	-1.206	9	6.9	Q1
IPI00008215	ME1	11.9	7.36E-32	-1.189	6	4.2	Q1
IPI00418382;	OPLAH	3.5	1.36E-35	-1.154	4	5.4	Q1
IPI00101186;	RRP12	3.9	7.90E-45	-1.150	7	98.8	Q1
IPI00182373;	P4HA2	41.8	<1.0E-304	-1.144	25	13.0	Q1
IPI00003766	ETHE1	20.1	8.76E-63	-1.140	5	59.3	Q1
IPI00002824;	CSRP2	43.5	1.22E-33	-1.133	8	9.3	Q1
IPI00399307;	PRCP	21.5	2.72E-75	-1.131	11	10.7	Q1
IPI00643920;	TKT	49.1	<1.0E-304	-1.110	75	24.8	Q1
IPI00328243;	PLD3	3.9	3.25E-07	-1.108	4	8.3	Q1
IPI00909417;	IFI16	15.8	7.17E-56	-1.098	10	19.8	Q1
IPI00748567;	LIPA	8.2	8.43E-07	-1.093	4	28.9	Q1
IPI00333010;	CHERP	2.4	1.42E-09	-1.092	2	14.3	Q1
IPI00550440;	C2orf18	3.2	2.65E-02	-1.083	2	13.7	Q1
IPI00908404;	GNS	15.1	2.37E-66	-1.078	13	14.0	Q1
IPI00385449;	PRKCA	13.4	8.55E-25	-1.075	7	8.8	Q1
IPI00005107;	NPC1	9.6	2.57E-91	-1.075	18	31.5	Q1
IPI00007058;	CORO1B	12.7	1.69E-20	-1.071	4	11.4	Q1
IPI00169285	PLBD2	8.7	5.18E-16	-1.066	7	30.4	Q1
IPI00165949;	ERAP1	13.6	1.89E-54	-1.066	13	6.2	Q1
IPI00220709;	TPM2	37	5.15E-159	-1.065	16	19.9	Q1
IPI00472160;	ARHGEF2	15.3	8.19E-115	-1.065	15	9.1	Q1
IPI00917081;	ANO6	1.3	6.41E-02	-1.059	2	13.7	Q1

IPI00007722;	AMPD2	4.2	7.13E-05	-1.041	5	188.0	Q1
IPI00333771;	CALD1	64.3	<1.0E-304	-1.037	81	47.8	Q1
IPI00477611;	COL5A1	1.6	3.03E-11	-1.034	3	21.8	Q1
IPI00219682;	STOM	42	1.94E-188	-1.032	24	13.0	Q1
IPI00019178;	PSPH	8.9	9.93E-07	-1.029	2	8.6	Q1
IPI00001437;	RND3	5.3	4.99E-03	-1.024	2	13.2	Q1
IPI00871240;	DKFZp434J2412	3.9	6.25E-30	-1.019	3	38.4	Q1
IPI00102685;	MYADM	10.2	8.02E-28	-1.015	10	94.7	Q1
IPI00060200;	GALM	6.1	2.46E-02	-1.013	2	159.3	Q1
IPI00647389;	EPN1	3.5	4.19E-71	-1.004	2	8.7	Q1
IPI00179713;	IGF2BP2	36.2	5.34E-157	-1.000	31	12.7	Q1
IPI00296461;	SMPD1	4	1.48E-12	-0.995	2	11.7	Q1
IPI00816771;	WASH1	15	2.87E-25	-0.983	6	68.0	Q1
IPI00743104	ITGA1	3.9	3.65E-02	-0.982	5	23.3	Q1
IPI00020418	RRAS	21.1	4.73E-93	-0.980	8	10.0	Q1
IPI00376976;	ASAP1	6.3	2.41E-13	-0.977	5	29.9	Q1
IPI00009111	TPBG	6.9	9.19E-10	-0.975	3	23.5	Q1
IPI00657752;	CD81	21.5	1.36E-61	-0.971	5	10.7	Q1
IPI00719178;	ABCC1	3	5.18E-10	-0.970	5	8.0	Q1
IPI00216008;	G6PD	29.8	1.74E-69	-0.966	19	8.0	Q1
IPI00083708;	BAT2D1	1.1	2.37E-11	-0.963	4	10.1	Q1
IPI00873452;	LMCD1	5.4	6.86E-14	-0.957	3	54.8	Q1
IPI00103471	SELM	20.7	5.31E-05	-0.952	2	13.3	Q1
IPI00641181	MARCKSL1	14.4	1.20E-20	-0.945	2	23.7	Q1
IPI00218624;	SON	4.5	1.42E-15	-0.945	8	98.3	Q1
IPI00216138;	TAGLN	77.1	2.73E-138	-0.944	60	16.2	Q1
IPI00549564;	ACSS2	3.5	7.73E-09	-0.939	3	8.4	Q1
IPI00007074	YARS	43.2	2.89E-56	-0.936	26	8.3	Q1
IPI00386114;	SF1	13.8	1.95E-25	-0.935	10	37.4	Q1
IPI00023122;	PDLIM7	15.1	9.79E-24	-0.926	8	116.7	Q1
IPI00643818	C1orf55	2.8	6.26E-02	-0.924	2	18.9	Q1
IPI00644697;	HEBP2	39.3	8.39E-97	-0.923	7	5.4	Q1
IPI00012490;	ATP2B4	29.2	<1.0E-304	-0.922	54	48.0	Q1

IPI00657692;	COL4A3BP	1.2	2.35E-02	-0.912	2	0.9	Q1
IPI00291607;	ITPR3	2.2	4.28E-17	-0.912	6	117.9	Q1
IPI00792065;	TOR1AIP1	6.7	1.67E-30	-0.909	4	31.7	Q1
IPI00021807;	GBA	22.9	3.02E-73	-0.909	18	22.8	Q1
IPI00157757;	MICAL1	16.2	2.52E-141	-0.909	17	7.8	Q1
IPI00465431	LGALS3	36.8	1.01E-63	-0.907	23	106.2	Q1
IPI00182126;	FKBP9	29.8	4.28E-104	-0.906	27	36.0	Q1
IPI00332493;	PLEKHO2	13.3	2.83E-60	-0.901	7	13.2	Q1
IPI00829927;	ARMC9	5	1.24E-57	-0.898	6	37.5	Q1
IPI00298281	LAMC1	11.5	5.75E-184	-0.897	17	9.4	Q1
IPI00294834;	ASPH	31	3.17E-175	-0.896	36	13.8	Q1
IPI00795979;	FLOT2	6.8	3.06E-13	-0.895	3	39.5	Q1
IPI00217442;	hCG_2045902	0.8	2.25E-18	-0.895	2	57.6	Q1
IPI00329482;	LAMA4	2.3	3.73E-06	-0.894	4	7.9	Q1
IPI00917650;	FAM38A	2	1.07E-08	-0.889	3	69.4	Q1
IPI00010779;	TPM4	78.6	2.57E-256	-0.888	71	38.6	Q1
IPI00010779;	TPM4	78.6	2.57E-256	-0.888	71	38.6	Q1
IPI00784808;	Ov/Br septin	33.7	4.72E-167	-0.884	34	50.7	Q1
IPI00014399	FHL3	9.6	1.29E-09	-0.878	3	9.8	Q1
IPI00296922;	LAMB2	9.5	9.85E-105	-0.876	14	17.1	Q1
IPI00300697;	VPS11	1.9	8.48E-05	-0.865	2	3.0	Q1
IPI00383046	CMBL	8.2	9.71E-03	-0.863	2	3.6	Q1
IPI00894409;	CPNE1	20.3	1.16E-92	-0.860	12	11.8	Q1
IPI00022892;	THY1	24.8	2.88E-93	-0.853	12	50.3	Q1
IPI00908913;	hCG_2043421	20.5	1.06E-13	-0.851	3	7.6	Q1
IPI00292953;	RAI14	32.6	3.69E-254	-0.851	39	27.8	Q1
IPI00018311;	NPTN	7	3.51E-15	-0.851	3	41.0	Q1
IPI00479385;	ASMTL	3.1	2.08E-12	-0.849	2	4.0	Q1
IPI00021924	H1FX	26.3	7.13E-57	-0.847	5	13.0	Q1
IPI00783313;	PYGL	21.8	4.11E-134	-0.841	18	9.2	Q1
IPI00011932	HSPA12A	4.4	2.91E-08	-0.841	2	17.3	Q1
IPI00923582;	SCRN1	6	2.45E-17	-0.838	4	6.1	Q1
IPI00018873;	NAMPT	12.6	3.53E-49	-0.835	6	27.1	Q1

IPI00009896	EPHX1	9.5	6.93E-06	-0.835	4	3.4	Q1
IPI00219249	CNTNAP1	10.3	1.04E-103	-0.831	13	20.0	Q1
IPI00419250;	GSTT2	25.8	1.92E-27	-0.829	6	23.7	Q1
IPI00913848;	FERMT2	40.2	5.89E-265	-0.829	31	23.3	Q1
IPI00257508	DPYSL2	69.1	<1.0E-304	-0.818	44	14.8	Q1
IPI00217871;	ALDH4A1	18.1	2.44E-75	-0.817	9	8.1	Q1
IPI00450855;	HMGA1	29	4.77E-05	-0.814	2	4.4	Q1
IPI00470674;	CYB5R1	10.5	7.86E-06	-0.812	3	43.3	Q1
IPI00027443;	DKFZp686F1612	18.3	6.89E-63	-0.812	21	11.2	Q1
IPI00016346;	PROSC	19.3	3.05E-59	-0.804	4	12.8	Q1
IPI00910593;	CNN2	45.5	5.42E-145	-0.803	22	35.2	Q1
IPI00166044	RPTOR	2.3	3.36E-03	-0.802	2	8.3	Q1
IPI00465377;	MXRA7	5.4	1.64E-02	-0.789	2	9.0	Q1
IPI00027223;	IDH1	13.5	1.30E-52	-0.785	7	19.7	Q1
IPI00303300;	FKBP10	41.2	4.50E-172	-0.785	55	25.6	Q1
IPI00438286;	ERBB2IP	6.3	2.11E-23	-0.785	8	22.6	Q1
IPI00307162;	VCL	65.8	<1.0E-304	-0.783	146	62.8	Q1
IPI00442073;	CSRP1	42	8.23E-36	-0.774	11	21.5	Q1
IPI00027681	NNMT	30.7	1.25E-82	-0.769	13	97.2	Q1
IPI00288947;	GNAQ	13.1	1.97E-109	-0.766	4	5.4	Q1
IPI00020513;	ZYX	39.9	8.17E-162	-0.765	22	54.9	Q1
IPI00396231;	AER61	8.2	4.69E-08	-0.764	4	8.5	Q1
IPI00253036;	CD99	13	1.52E-03	-0.758	6	65.8	Q1
IPI00760962;	KANK2	17.3	1.51E-99	-0.754	31	28.4	Q1
IPI00289819;	IGF2R	6.5	3.62E-49	-0.745	17	16.6	Q1
IPI00010414	PDLIM1	31	1.30E-91	-0.733	9	5.8	Q1
IPI00031697;	TMEM109	9.1	1.72E-03	-0.732	3	38.5	Q1
IPI00829992;	MYO1C	46.5	<1.0E-304	-0.731	73	51.8	Q1
IPI00034006;	PTPN23	14.1	7.36E-107	-0.723	19	37.8	Q1
IPI00166010;	CNOT1	6.1	6.98E-68	-0.722	15	19.4	Q1
IPI00018769;	THBS2	4.4	1.98E-17	-0.721	4	5.7	Q1
IPI00018087;	C17orf68	1.1	1.00E+00	-0.719	2	0.0	Q1
IPI00218019;	BSG	13.2	3.05E-45	-0.718	4	23.0	Q1

IPI00018783;	ITPA	13.4	1.05E-02	-0.717	3	4.6	Q1
IPI00031410	FRAP1	1.1	5.17E-17	-0.707	2	22.7	Q1
IPI00027442;	AARS	36.8	<1.0E-304	-0.706	84	23.4	Q1
IPI00306661	KCMF1	8.1	2.79E-18	-0.705	3	6.1	Q1
IPI00011676	WASL	11.1	1.35E-06	-0.704	5	7.6	Q1
IPI00909642;	FLNA	0.6	<1.0E-304	-0.700	3	120.4	Q1
IPI00008418;	DIABLO	7	1.64E-02	-0.698	2	26.4	Q1
IPI00465028;	TPI1	67.8	<1.0E-304	-0.697	32	13.1	Q1
IPI00790503;	MYH10	40.6	<1.0E-304	-0.692	95	18.4	Q1
IPI00760554;	HLA-A	31.8	9.31E-134	-0.689	12	41.0	Q1
IPI00607861	H6PD	7.1	3.38E-12	-0.685	7	30.8	Q1
IPI00020719	MAVS	6.9	1.54E-03	-0.684	2	2.7	Q1
IPI00001730;	FHOD1	2	8.49E-16	-0.683	2	11.2	Q1
IPI00855787;	TNKS1BP1	20.1	2.56E-251	-0.679	29	43.7	Q1
IPI00220906;	ACOT2	10.4	1.25E-25	-0.678	3	5.6	Q1
IPI00302647;	CC2D1A	4.3	5.01E-09	-0.676	3	10.5	Q1
IPI00554777;	ASNS	17.5	1.43E-141	-0.673	10	6.2	Q1
IPI00307749;	NDUFS7	6.4	1.64E-04	-0.665	2	39.7	Q1
IPI00008485;	ACO1	19.9	3.00E-226	-0.665	19	8.3	Q1
IPI00872808;	DOCK1	3.8	1.91E-32	-0.664	7	11.4	Q1
IPI00003807;	ACP2	4.3	4.79E-19	-0.658	2	13.3	Q1
IPI00000105;	MVP	58.3	<1.0E-304	-0.657	90	22.6	Q1
IPI00027350;	PRDX2	25.3	2.82E-23	-0.656	9	18.8	Q1
IPI00296635;	GBE1	34.9	5.44E-72	-0.655	47	95.7	Q1
IPI00385495;	LMF2	8.8	1.51E-40	-0.652	6	25.1	Q1
IPI00179298;	HUWE1	6.7	1.75E-198	-0.651	30	75.5	Q1
IPI00220278;	MYL9	51.2	3.68E-123	-0.650	17	32.2	Q1
IPI00016702;	RABGAP1	7.3	1.21E-50	-0.650	9	26.1	Q1
IPI00000760;	DDAH2	36.5	4.36E-224	-0.644	9	14.7	Q1
IPI00021338;	DLAT	13.3	1.87E-33	-0.641	15	64.5	Q1
IPI00903328;	AGFG1	4.3	1.10E-03	-0.640	2	13.7	Q1
IPI00298851	CD151	7.1	5.31E-02	-0.638	3	79.2	Q1
IPI00011284;	COMT	31	7.90E-81	-0.637	8	6.2	Q1

IPI00187011	ZC3H4	1.2	1.12E-02	-0.632	2	6.8	Q1
IPI00551024;	DAK	8.7	2.68E-19	-0.628	4	6.1	Q1
IPI00658023;	PTPN11	15.4	7.31E-37	-0.623	7	3.7	Q1
IPI00011416;	ECH1	13.1	1.06E-61	-0.621	5	5.9	Q1
IPI00294159;	SLC25A1	28.9	1.79E-34	-0.621	10	9.4	Q1
IPI00219774;	PRKAR2A	9.4	7.47E-09	-0.615	3	14.3	Q1
IPI00216298;	TXN	42.9	2.07E-58	-0.614	9	6.4	Q1
IPI00012512;	RRAS2	11.4	1.90E-77	-0.613	3	7.2	Q1
IPI00301579	NPC2	28.9	3.58E-27	-0.611	5	36.9	Q1
IPI00797738;	COX6B1	31.1	1.39E-14	-0.609	3	7.5	Q1
IPI00216172;	LAMP2	9.2	7.53E-23	-0.606	16	27.8	Q1
IPI00009634;	SQRDL	8.2	5.11E-24	-0.605	3	2.3	Q1
IPI00413784;	SEPN1	3.1	1.08E-10	-0.604	2	7.7	Q1
IPI00333143;	DGKA	5.6	3.29E-23	-0.604	3	1.1	Q1
IPI00013860;	HIBADH	24.7	2.24E-94	-0.601	7	11.2	Q1
IPI00328867;	SRC	4.2	1.13E-30	-0.600	2	6.1	Q1
IPI00023974;	PTTG1IP	16.7	2.69E-48	-0.598	2	20.5	Q1
IPI00306719;	CHID1	4.6	3.02E-19	-0.596	2	3.3	Q1
IPI00386803;	LASP1	23.8	9.79E-47	-0.594	13	41.4	Q1
IPI00023532;	SPATS2L	6	7.17E-09	-0.593	3	10.1	Q1
IPI00176193;	COL14A1	2.3	1.40E-05	-0.593	3	90.3	Q1
IPI00001883;	SNX9	25.2	3.97E-67	-0.592	16	8.1	Q1
IPI00063784;	VTI1B	18.1	3.11E-05	-0.591	3	15.5	Q1
IPI00018963;	PARVA	17.7	8.73E-112	-0.590	6	41.4	Q1
IPI00215997;	CD9	4.4	6.26E-02	-0.588	2	9.2	Q1
IPI00410287;	PRKAA1	4.9	2.14E-04	-0.586	3	20.2	Q1
IPI00296485	MAP1S	8.4	4.40E-27	-0.585	7	20.6	Q1
IPI00009901	NUTF2	37.8	2.99E-41	-0.585	5	2.9	Q1
IPI00219825;	PSAP	11.6	7.35E-47	-0.584	9	59.7	Q1
IPI00102864;	HK2	4.9	1.29E-68	-0.582	3	12.1	Q1
IPI00012828;	ACAA1	7.5	2.30E-08	-0.582	3	14.5	Q1
IPI00299468;	SCD	5.3	5.65E-16	-0.581	2	20.2	Q1
IPI00787089;	PELP1	3.3	5.25E-19	-0.580	6	11.5	Q1

IPI00473014;	DSTN	40.6	2.04E-30	-0.580	7	12.3	Q1
IPI00008164	PREP	14.4	4.48E-207	-0.573	9	4.5	Q1
IPI00386448;	RELA	8.2	1.98E-27	-0.570	4	7.4	Q1
IPI00003817;	ARHGDI3	7.5	1.67E-26	-0.570	3	8.5	Q1
IPI00873410;	CNN3	31.4	1.27E-172	-0.569	17	13.9	Q1
IPI00759776;	ACTN1	49.7	<1.0E-304	-0.567	112	22.1	Q1
IPI00030877	40436	23	9.58E-31	-0.566	3	4.8	Q1
IPI00260090;	ELMO2	5.3	1.02E-03	-0.565	3	1.5	Q1
IPI00916402;	AAK1	3.6	2.38E-06	-0.563	2	2.3	Q1
IPI00647286;	C9orf88	35.9	1.68E-174	-0.559	47	114.2	Q1
IPI00796366;	MYL6	37.4	2.57E-137	-0.557	14	5.2	Q1
IPI00219757;	GSTP1	61	2.22E-269	-0.557	31	42.9	Q1
IPI00025318;	SH3BGRL	36	5.77E-67	-0.557	7	5.8	Q1
IPI00217465;	HIST1H1C	27.7	5.11E-35	-0.555	17	77.1	Q1
IPI00413641;	AKR1B1	32.9	6.94E-14	-0.555	10	10.2	Q1
IPI00884192;	GPX4	15.8	1.74E-21	-0.553	3	12.3	Q1
IPI00293946	UBXN4	6.9	1.16E-29	-0.551	3	0.8	Q1
IPI00018235	PEF1	8.8	3.00E-10	-0.549	3	1.1	Q1
IPI00472164	WASF2	7.4	6.63E-04	-0.548	4	24.9	Q1
IPI00219077;	LTA4H	35.7	<1.0E-304	-0.548	18	11.9	Q1
IPI00007117;	SERPIN2	4.1	8.82E-05	-0.548	2	19.7	Q1
IPI00604759;	FAHD1	23	7.43E-18	-0.546	5	10.4	Q1
IPI00301561;	TRIP6	5.7	3.10E-03	-0.543	2	9.7	Q1
IPI00295457;	MPRI3	24.6	1.83E-177	-0.537	23	12.9	Q1
IPI00013981;	YES1	21	2.06E-31	-0.535	10	8.4	Q1
IPI00020672;	DPP3	20.4	1.98E-122	-0.534	15	14.6	Q1
IPI00026216;	NPEPPS	26.1	2.89E-110	-0.532	22	14.9	Q1
IPI00307259;	DNAJC13	18.9	9.32E-175	-0.528	40	12.3	Q1
IPI00013808;	ACTN4	74.5	<1.0E-304	-0.526	191	28.1	Q1
IPI00444945;	BAX	26.6	7.33E-111	-0.525	5	6.2	Q1
IPI00477966;	TBC1D8B	2.2	1.88E-15	-0.525	2	21.8	Q1
IPI00784366;	AP2B1	31.4	2.75E-231	-0.525	56	22.4	Q1
IPI00291802;	LMO7	29.4	1.71E-299	-0.524	47	17.5	Q1

IPI00299977;	PHPT1	28	4.44E-82	-0.524	3	1.3	Q1
IPI00219029;	GOT1	37.8	3.90E-121	-0.523	15	11.4	Q1
IPI00157790;	ECM29	10.7	9.97E-166	-0.523	23	46.6	Q1
IPI00410666;	SCRIB	1.3	3.60E-02	-0.522	2	3.0	Q1
IPI00260715;	FUS	13.3	2.14E-60	-0.522	14	43.9	Q1
IPI00220271;	AKR1A1	23.4	1.46E-51	-0.520	9	65.4	Q1
IPI00304435;	NIPSNAP1	16.9	2.28E-02	-0.519	5	9.0	Q1
IPI00400765;	KIAA1632	1.5	3.24E-21	-0.518	3	118.0	Q1
IPI00294501	DHCR7	11.6	4.20E-28	-0.518	4	7.3	Q1
IPI00073958;	CNRIP1	30.5	3.57E-54	-0.515	3	3.6	Q1
IPI00219446;	PEBP1	68.4	2.80E-192	-0.515	14	6.1	Q1
IPI00026813;	FNTA	6.6	1.69E-03	-0.513	2	18.6	Q1
IPI00291016	NDUFV3	4.7	2.92E-03	-0.512	2	13.5	Q1
IPI00010438;	SNAP23	12.3	4.91E-27	-0.511	2	14.1	Q1
IPI00217766;	SCARB2	17.6	3.35E-32	-0.510	16	25.8	Q1
IPI00604523;	MYL12B	16.9	1.11E-123	-0.509	3	4.6	Q1
IPI00032292;	TIMP1	23.2	3.62E-19	-0.508	4	14.7	Q1
IPI00023001;	FAM162A	11.7	2.21E-09	-0.498	2	3.8	Q2
IPI00305010;	CPPED1	15.6	5.61E-63	-0.497	5	8.3	Q2
IPI00169383;	PGK1	45.8	2.82E-189	-0.496	23	43.0	Q2
IPI00413160;	TRIOBP	7.7	5.73E-82	-0.496	19	19.0	Q2
IPI00215893;	HMOX1	51.4	1.96E-184	-0.494	20	8.7	Q2
IPI00465256;	AK3	25.6	2.27E-14	-0.492	6	4.4	Q2
IPI00027809;	PPP3CB	5	5.41E-12	-0.492	3	11.3	Q2
IPI00902843;	CDIPT	19.8	6.93E-31	-0.491	4	17.5	Q2
IPI00290462	CBR3	41.2	1.62E-109	-0.491	9	8.9	Q2
IPI00024282;	RAB8B	12.6	3.55E-49	-0.491	4	1.3	Q2
IPI00004472;	WNK1	2.4	9.53E-24	-0.490	5	39.9	Q2
IPI00257882;	PEPD	13.2	3.92E-67	-0.488	5	7.0	Q2
IPI00746777;	ADH5	33.7	4.78E-41	-0.481	12	9.1	Q2
IPI00304925;	HSPA1A	60.1	<1.0E-304	-0.481	68	28.6	Q2
IPI00010080;	OXR1	16.7	3.22E-78	-0.480	7	3.7	Q2
IPI00384265;	FAM120A	19.7	8.02E-117	-0.479	18	11.6	Q2

IPI00296909	PARP4	9.4	4.61E-71	-0.479	16	11.8	Q2
IPI00396593;	PDLIM2	6	1.64E-10	-0.478	2	3.2	Q2
IPI00021048;	MYOF	51.6	<1.0E-304	-0.474	154	56.3	Q2
IPI00855940;	XPO7	2.7	2.47E-06	-0.474	3	14.2	Q2
IPI00293276	MIF	9.6	1.25E-18	-0.473	6	3.0	Q2
IPI00328154;	UBA3	4.5	2.46E-02	-0.472	2	46.7	Q2
IPI00022164;	ARHGEF12	1.1	1.00E-02	-0.471	2	64.3	Q2
IPI00017344;	RAB5B	13	1.97E-62	-0.471	5	9.9	Q2
IPI00291646;	MTHFD1L	9.6	4.77E-24	-0.470	8	17.5	Q2
IPI00295542;	NUCB1	16.1	9.83E-36	-0.468	8	8.3	Q2
IPI00012728;	ACSL1	5.4	8.10E-07	-0.467	4	11.8	Q2
IPI00902564;	EIF2A	1.7	5.86E-13	-0.465	2	79.7	Q2
IPI00216171;	ENO2	3.7	8.15E-102	-0.465	2	10.6	Q2
IPI00103064;	EXOC7	5.4	4.40E-46	-0.464	3	3.2	Q2
IPI00909772;	AP2M1	5.9	1.38E-06	-0.462	3	13.3	Q2
IPI00911039	HSPA1A	1.5	<1.0E-304	-0.461	5	16.1	Q2
IPI00784414;	STAT3	18.2	8.64E-80	-0.459	13	6.0	Q2
IPI00853454;	LAMB1	8.7	1.04E-212	-0.458	15	40.4	Q2
IPI00552733	CPLX3	3.8	1.00E+00	-0.458	5	13.1	Q2
IPI00747403;	RNMT	5.8	6.33E-43	-0.457	2	16.9	Q2
IPI00871585;	BID	15	5.75E-55	-0.456	4	24.2	Q2
IPI00794402;	ARHGDI1A	27.3	4.10E-146	-0.452	16	30.6	Q2
IPI00022649;	SLC12A2	2.6	4.51E-06	-0.450	2	19.4	Q2
IPI00332371;	PFKL	26.5	2.41E-228	-0.448	26	6.6	Q2
IPI00100980;	EHD2	64.5	1.96E-275	-0.443	45	29.1	Q2
IPI00657953;	TRIO	2.8	3.31E-26	-0.443	11	92.9	Q2
IPI00221394;	DKC1	5.6	4.22E-09	-0.441	3	8.6	Q2
IPI00789041;	PNN	6.6	8.66E-05	-0.441	4	9.2	Q2
IPI00018352;	UCHL1	53.8	2.58E-170	-0.439	22	8.7	Q2
IPI00926648;	APEH	14	1.29E-78	-0.439	17	7.4	Q2
IPI00783097;	GARS	42.4	<1.0E-304	-0.438	47	32.7	Q2
IPI00884105;	LAMP1	15.3	1.16E-87	-0.435	24	38.2	Q2
IPI00017704	COTL1	47.2	7.10E-49	-0.434	9	8.0	Q2

IPI00014264;	ACAP2	3.1	1.15E-08	-0.433	2	32.8	Q2
IPI00007935;	PDLIM5	30	1.07E-94	-0.432	21	64.5	Q2
IPI00878984;	DDT	18.2	6.74E-41	-0.430	4	8.4	Q2
IPI00304840;	COL6A2	27.7	5.45E-284	-0.429	40	137.2	Q2
IPI00329719;	MYO1D	27.9	1.81E-150	-0.429	36	24.5	Q2
IPI00015148;	RAP1B	44.6	3.37E-69	-0.428	14	16.1	Q2
IPI00009505;	SNTB2	7.8	2.11E-15	-0.428	5	20.6	Q2
IPI00647400	RNPEP	5.1	4.44E-78	-0.428	3	14.2	Q2
IPI00034277;	ATP13A1	12	1.25E-61	-0.427	11	10.0	Q2
IPI00029054;	NT5C2	18.4	5.49E-58	-0.426	9	6.0	Q2
IPI00896498;	MMP14	17.7	2.07E-56	-0.426	15	33.5	Q2
IPI00746004;	RPS27L	13.1	2.95E-23	-0.423	2	8.2	Q2
IPI00096066;	SUCLG2	8.6	6.89E-22	-0.423	4	10.2	Q2
IPI00003949;	UBE2N	48	1.12E-77	-0.419	20	65.8	Q2
IPI00643591;	AP1G1	10.5	7.32E-15	-0.418	13	7.8	Q2
IPI00889541;	DDX17	18.7	1.10E-167	-0.418	20	27.0	Q2
IPI00005158;	LONP1	23.6	1.25E-144	-0.416	23	13.4	Q2
IPI00020178;	STAM	9.8	1.05E-106	-0.415	4	18.0	Q2
IPI00005707;	MRC2	7.8	1.53E-85	-0.415	13	20.7	Q2
IPI00761160;	CAST	32.7	6.86E-215	-0.415	21	56.5	Q2
IPI00292134;	EPS15	8.3	6.58E-55	-0.414	7	25.6	Q2
IPI00021828	CSTB	58.2	2.45E-38	-0.413	7	74.4	Q2
IPI00337541	NNT	17.6	1.80E-215	-0.412	21	8.3	Q2
IPI00900260;	ARHGEF7	3.7	3.05E-25	-0.412	2	5.1	Q2
IPI00025849;	ANP32A	7.6	3.51E-74	-0.410	2	6.9	Q2
IPI00873622;	WDR1	32.5	5.39E-206	-0.409	19	11.6	Q2
IPI00220031;	PXN	16	5.12E-54	-0.408	11	7.4	Q2
IPI00304171;	H2AFY	24.5	4.61E-35	-0.405	8	16.6	Q2
IPI00430622	SPG20	10.8	1.29E-14	-0.404	7	3.2	Q2
IPI00719051;	EXOC5	8.9	3.60E-13	-0.403	6	130.8	Q2
IPI00073179;	VPS33A	14.6	6.22E-27	-0.401	6	7.9	Q2
IPI00013744	ITGA2	6.9	1.64E-54	-0.400	14	13.5	Q2
IPI00748472;	KIAA0196	25.2	2.28E-155	-0.399	30	11.3	Q2

IPI00218319;	TPM3	50	3.24E-243	-0.398	25	39.8	Q2
IPI00300086;	QPRT	12.5	1.45E-10	-0.395	4	6.5	Q2
IPI00037599;	TFCP2	5.8	6.86E-12	-0.395	2	9.7	Q2
IPI00641829;	BAT1	5.2	1.51E-47	-0.392	2	10.8	Q2
IPI00910977;	MPST	12.3	1.32E-09	-0.391	2	3.9	Q2
IPI00070943;	PI4KA	2.6	4.91E-31	-0.391	5	8.9	Q2
IPI00306960;	NARS	38.5	6.67E-237	-0.390	29	13.8	Q2
IPI00746934;	UBR4	9.4	2.77E-275	-0.389	46	78.2	Q2
IPI00020416;	TPP2	28.9	<1.0E-304	-0.389	34	10.1	Q2
IPI00642238;	HP1BP3	18.8	3.36E-42	-0.389	16	16.1	Q2
IPI00396015;	ACACA	7.8	5.56E-48	-0.387	18	8.3	Q2
IPI00221232	GNG12	31.9	6.55E-22	-0.387	2	8.8	Q2
IPI00010207;	UFM1	17.6	2.73E-02	-0.386	3	50.9	Q2
IPI00216293;	TST	11.1	2.38E-11	-0.386	3	19.7	Q2
IPI00032875;	ETFDH	5.5	1.94E-21	-0.383	3	13.5	Q2
IPI00030851;	SEC24B	4.9	6.58E-42	-0.382	6	57.7	Q2
IPI00783559	EXOC2	4.5	6.79E-11	-0.379	4	12.4	Q2
IPI00375676;	FTL	22	3.04E-31	-0.378	7	140.3	Q2
IPI00011285;	CAPN1	37.8	2.03E-214	-0.376	42	8.8	Q2
IPI00018953;	DPP4	17.4	3.06E-64	-0.374	24	21.1	Q2
IPI00644127;	IARS	35.9	1.58E-257	-0.371	45	26.4	Q2
IPI00001699;	PYCARD	9.7	1.97E-05	-0.371	2	4.0	Q2
IPI00021167;	PRKRA	12.1	2.04E-12	-0.370	3	6.4	Q2
IPI00006482;	ATP1A1	18.1	6.72E-214	-0.370	34	38.8	Q2
IPI00024403;	CPNE3	14.9	9.45E-65	-0.370	9	14.6	Q2
IPI00376229;	PACS1	8.6	1.29E-66	-0.369	7	8.9	Q2
IPI00019450;	TROVE2	11	1.46E-10	-0.368	7	18.0	Q2
IPI00789848;	IVD	4.5	3.54E-04	-0.368	2	6.3	Q2
IPI00009305;	GNPDA1	37.4	2.53E-64	-0.368	13	24.3	Q2
IPI00011454;	GANAB	49.2	<1.0E-304	-0.367	98	36.1	Q2
IPI00473047;	PRKAG1	20	2.39E-95	-0.364	6	11.1	Q2
IPI00747533;	PGD	16.7	1.51E-124	-0.364	6	5.9	Q2
IPI00001466;	EML4	8.8	2.65E-48	-0.364	9	8.4	Q2

IPI00853400;	FKBP15	3.4	5.84E-22	-0.361	4	32.3	Q2
IPI00163851;	EIF2AK4	2.2	4.08E-04	-0.359	3	18.4	Q2
IPI00006865	SEC22B	54.9	1.14E-140	-0.358	18	12.1	Q2
IPI00328350;	FAM129A	17.7	1.23E-65	-0.358	19	9.0	Q2
IPI00021369;	CRYAB	58.9	4.19E-48	-0.354	21	9.4	Q2
IPI00328170;	MOGS	6.8	8.27E-43	-0.353	8	14.1	Q2
IPI00479905;	NDUFB10	22.7	7.89E-07	-0.352	4	6.6	Q2
IPI00295461;	FAP	19.2	9.73E-91	-0.351	19	10.3	Q2
IPI00790064;	NDUFB9	6.3	1.85E-10	-0.351	2	3.1	Q2
IPI00642211;	RNPEP	30.9	5.11E-92	-0.351	23	6.8	Q2
IPI00297492	STT3A	8.7	9.04E-14	-0.350	13	44.3	Q2
IPI00742743;	TP53BP1	4.2	1.83E-39	-0.349	7	9.4	Q2
IPI00644297;	SKI2W	10	7.08E-74	-0.348	11	31.7	Q2
IPI00171407;	STXBP5	4.9	2.89E-26	-0.347	5	9.1	Q2
IPI00027780;	MMP2	6.8	4.39E-61	-0.347	6	24.3	Q2
IPI00006176;	HGS	4.1	8.16E-12	-0.346	3	18.1	Q2
IPI00470502;	PPA2	6.9	2.94E-32	-0.346	2	6.0	Q2
IPI00219910;	BLVRB	46.9	4.72E-87	-0.343	15	50.2	Q2
IPI00646689;	TXNDC17	26.8	1.84E-26	-0.342	3	5.5	Q2
IPI00926903;	CHCHD3	24.6	3.50E-47	-0.342	6	17.8	Q2
IPI00216057;	SORD	12.9	8.12E-06	-0.341	3	41.8	Q2
IPI00384489;	AP1B1	8.7	4.33E-127	-0.341	8	12.6	Q2
IPI00218733;	SOD1	23.4	3.09E-52	-0.341	4	2.5	Q2
IPI00796379;	B2M	34.4	5.79E-14	-0.340	5	3.6	Q2
IPI00025512;	HSPB1	82.4	2.64E-223	-0.340	30	39.8	Q2
IPI00177728;	CNDP2	15.4	2.19E-21	-0.339	6	13.2	Q2
IPI00219025;	GLRX	24.5	1.78E-21	-0.338	5	18.4	Q2
IPI00892784;	ATP6V0A1	2.4	1.19E-07	-0.338	4	4.1	Q2
IPI00221224	ANPEP	50.8	<1.0E-304	-0.337	161	66.3	Q2
IPI00163849;	EPS15L1	0.9	1.27E-01	-0.337	2	58.2	Q2
IPI00296157;	RETSAT	8.4	2.31E-19	-0.337	3	7.7	Q2
IPI00008711	WFS1	0.9	1.27E-01	-0.336	2	33.1	Q2
IPI00438229;	TRIM28	25.5	4.18E-130	-0.335	33	13.3	Q2

IPI00337495;	PLOD2	14.5	6.81E-45	-0.334	10	9.5	Q2
IPI00021785	COX5B	17.8	4.48E-10	-0.334	2	3.6	Q2
IPI00644671;	CC2D1B	3.6	5.23E-09	-0.334	2	8.6	Q2
IPI00020557;	LRP1	17.7	<1.0E-304	-0.331	107	43.9	Q2
IPI00015842	RCN1	29	8.63E-99	-0.331	9	8.1	Q2
IPI00300567;	DCI	15.2	6.35E-46	-0.330	4	12.5	Q2
IPI00925950;	TNS1	13.8	7.40E-197	-0.327	20	39.7	Q2
IPI00183786;	FADS2	11.5	1.84E-06	-0.325	7	5.2	Q2
IPI00001985;	VPS18	3	1.44E-07	-0.324	3	7.9	Q2
IPI00290279;	ADK	10.2	2.75E-57	-0.323	6	9.2	Q2
IPI00219219;	LGALS1	91.1	3.59E-140	-0.322	28	14.6	Q2
IPI00006025;	SART3	11.2	1.19E-59	-0.322	9	8.1	Q2
IPI00045051;	PURB	9.9	4.79E-06	-0.321	4	9.9	Q2
IPI00396563;	UBXN1	7.7	5.43E-32	-0.320	4	6.8	Q2
IPI00396967;	FHL2	9.5	2.54E-05	-0.320	4	7.9	Q2
IPI00306380;	GNL3	6.6	5.47E-06	-0.318	4	35.2	Q2
IPI00410590;	LSM14A	3.9	2.09E-03	-0.318	2	8.2	Q2
IPI00095891;	GNAS	3.9	5.09E-14	-0.317	5	7.5	Q2
IPI00024915;	PRDX5	55.1	6.00E-179	-0.317	11	6.7	Q2
IPI00026848	LRPAP1	11.8	1.39E-06	-0.316	5	14.8	Q2
IPI00019376;	11-Sep	8.4	8.84E-09	-0.316	5	6.2	Q2
IPI00014589;	CLTB	10.5	3.42E-02	-0.316	3	2.3	Q2
IPI00645431;	BAT3	9.3	2.06E-59	-0.316	8	13.7	Q2
IPI00103994;	LARS	33.1	<1.0E-304	-0.314	41	9.2	Q2
IPI00184311;	ENPP1	4.8	5.99E-22	-0.314	4	66.6	Q2
IPI00550682;	GRHPR	27.3	1.15E-55	-0.314	9	6.8	Q2
IPI00456363;	ATXN2L	9.1	7.10E-21	-0.313	8	14.7	Q2
IPI00220301;	PRDX6	66.1	5.03E-209	-0.312	30	36.1	Q2
IPI00219840;	AP2S1	16.9	5.99E-04	-0.311	3	10.7	Q2
IPI00219685;	NDUFA13	12.3	9.68E-10	-0.309	4	12.3	Q2
IPI00000811;	PSMB6	17.6	1.26E-14	-0.309	4	7.1	Q2
IPI00793199;	ANXA4	50.8	2.72E-143	-0.309	22	9.6	Q2
IPI00790739;	ACO2	24.2	2.83E-99	-0.308	26	14.2	Q2

IPI00029472;	ATE1	5.6	4.99E-18	-0.307	2	29.4	Q2
IPI00783874;	HDHD2	8.1	1.92E-19	-0.306	2	2.0	Q2
IPI00005979;	EIF2B4	10.5	3.70E-14	-0.305	4	16.7	Q2
IPI00419847;	SORBS3	7.3	7.22E-35	-0.305	4	53.1	Q2
IPI00012007	AHCY	10.9	1.91E-13	-0.305	6	5.6	Q2
IPI00014312;	CUL3	7.2	8.34E-30	-0.303	4	4.3	Q2
IPI00100160;	CAND1	37.5	1.94E-270	-0.302	59	29.4	Q2
IPI00746655;	FAM62A	46.3	<1.0E-304	-0.302	59	36.3	Q2
IPI00438170;	SNX12	21.5	9.26E-07	-0.301	5	3.8	Q2
IPI00902614;	USP24	1.5	1.03E-10	-0.301	5	20.9	Q2
IPI00219078;	ATP2A2	18.5	2.14E-170	-0.300	33	57.3	Q2
IPI00090327;	VPS45	4	4.32E-07	-0.299	2	4.9	Q2
IPI00019912;	HSD17B4	40.4	1.69E-216	-0.299	33	11.2	Q2
IPI00290928;	GNA13	9	2.77E-33	-0.296	3	6.3	Q2
IPI00376317;	EDC4	10	4.52E-70	-0.296	11	31.4	Q2
IPI00017592	LETM1	10.3	1.36E-63	-0.293	7	7.8	Q2
IPI00914566;	FDPS	10.3	5.35E-07	-0.291	4	9.7	Q2
IPI00299086;	SDCBP	58.4	3.21E-210	-0.290	32	12.9	Q2
IPI00465059;	RHOT2	3.4	2.27E-13	-0.289	2	4.1	Q2
IPI00914016;	DCTN4	13.9	1.99E-42	-0.288	6	10.4	Q2
IPI00418262;	ALDOC	12.4	1.50E-163	-0.288	10	66.0	Q2
IPI00178352;	FLNC	49	<1.0E-304	-0.287	280	98.0	Q2
IPI00376259;	SRGAP1	3.2	2.66E-33	-0.286	3	14.5	Q2
IPI00026268;	GNB1	8.8	3.69E-37	-0.286	3	13.2	Q2
IPI00006907	TIGAR	13	1.16E-51	-0.285	3	7.7	Q2
IPI00642904;	PABPC4	12.6	1.14E-171	-0.285	13	100.7	Q2
IPI00026625;	NUP155	9.2	3.21E-41	-0.284	11	14.7	Q2
IPI00014361;	TSTA3	17.4	3.19E-22	-0.284	5	22.0	Q2
IPI00299193	SYNJ2BP	8.3	3.26E-15	-0.284	2	9.1	Q2
IPI00103925	IRGQ	3.7	1.62E-12	-0.283	2	2.0	Q2
IPI00032003;	EMD	33.5	5.25E-123	-0.282	11	19.7	Q2
IPI00550364	PGM2	13.7	3.73E-45	-0.281	9	15.8	Q2
IPI00927044;	POLR2H	18.3	1.01E-33	-0.280	4	59.8	Q2

IPI00328318;	AGL	2	1.65E-11	-0.280	3	17.7	Q2
IPI00013174;	RBM14	10.5	5.56E-52	-0.279	6	7.4	Q2
IPI00013219;	ILK	6	1.64E-04	-0.279	4	2.6	Q2
IPI00215716;	EPB41L3	27.7	1.50E-172	-0.279	19	38.2	Q2
IPI00026570;	COX7A2	20	1.38E-27	-0.279	2	0.6	Q2
IPI00301202;	MAGT1	6.3	8.04E-27	-0.277	2	1.5	Q2
IPI00294943;	ARIH1	3.4	3.44E-03	-0.277	2	19.3	Q2
IPI00514856;	UBAP2L	17.3	6.59E-112	-0.276	14	76.4	Q2
IPI00646377;	EIF4G3	1.6	4.96E-16	-0.276	4	18.8	Q2
IPI00013070;	HNRNPUL1	3.6	2.53E-12	-0.275	5	36.4	Q2
IPI00328753;	KTN1	39.3	7.24E-225	-0.275	50	25.2	Q2
IPI00008167;	ATP1B3	29.4	1.98E-45	-0.274	6	17.2	Q2
IPI00016862;	GSR	3.6	2.34E-06	-0.274	2	0.6	Q2
IPI00033025;	SEPT7	25.3	1.35E-141	-0.273	8	13.8	Q2
IPI00000690;	AIFM1	18.3	5.88E-55	-0.273	10	68.7	Q2
IPI00011107	IDH2	2.4	4.75E-02	-0.273	2	0.4	Q2
IPI00514127;	HDGF	18	5.48E-06	-0.271	4	7.8	Q2
IPI00304267;	NXN	13.6	2.00E-23	-0.271	4	15.6	Q2
IPI00168849;	TRIP10	6.3	2.66E-04	-0.270	4	32.1	Q2
IPI00479722;	PSME1	44.2	9.45E-165	-0.267	17	14.9	Q2
IPI00748502;	CRTAP	7.2	1.27E-07	-0.265	3	8.5	Q2
IPI00219299	TLN2	8.5	8.94E-299	-0.264	22	44.7	Q2
IPI00025277	PDCD6	23	1.36E-11	-0.262	5	9.5	Q2
IPI00294495	UFC1	21	3.09E-04	-0.259	2	0.5	Q2
IPI00298547	PARK7	59.8	1.43E-176	-0.258	29	7.8	Q2
IPI00893197;	PPP2R4	10.5	3.54E-16	-0.258	2	3.5	Q2
IPI00022265;	CCDC22	7.8	1.42E-28	-0.256	3	9.8	Q2
IPI00017342	RHOG	19.4	9.22E-49	-0.254	4	5.0	Q2
IPI00218693;	APRT	50	9.55E-107	-0.254	8	6.0	Q2
IPI00008034	RAB23	20.3	4.85E-51	-0.253	5	32.8	Q2
IPI00103509;	NDUFA10	5.4	1.09E-29	-0.253	2	7.1	Q2
IPI00025049;	M6PR	8.3	2.43E-02	-0.253	2	12.6	Q2
IPI00303868;	GYS1	5.3	1.08E-41	-0.252	3	5.5	Q2

IPI00893918;	VAR5	33.5	<1.0E-304	-0.250	47	10.5	Q2
IPI00215901;	AK2	37.2	1.31E-52	-0.250	8	31.3	Q2
IPI00012835;	CTBP1	9.1	3.38E-06	-0.250	3	9.9	Q2
IPI00027280;	TOP2B	9.8	1.71E-155	-0.250	17	46.6	Q2
IPI00305551;	GNA11	32	5.18E-123	-0.249	10	11.7	Q2
IPI00009803;	ITGA4	2.4	8.33E-06	-0.248	3	21.2	Q2
IPI00182728;	VPS4B	5.6	8.34E-03	-0.248	2	15.7	Q2
IPI00003348;	GNB2	16.5	5.97E-41	-0.246	6	15.7	Q2
IPI00007702;	HSPA2	15.8	1.96E-291	-0.246	12	7.4	Q2
IPI00024919;	PRDX3	31.6	1.88E-76	-0.245	13	12.8	Q2
IPI00015902;	PDGFRB	10.1	2.12E-58	-0.244	11	16.8	Q2
IPI00298991;	KIAA1033	18.5	6.09E-181	-0.243	21	10.3	Q2
IPI00003933;	HAGH	7.5	1.81E-02	-0.243	2	5.8	Q2
IPI00216247;	PSMD4	7.1	4.46E-52	-0.242	3	5.0	Q2
IPI00029997;	PGLS	48.4	1.37E-76	-0.241	14	14.4	Q2
IPI00008575;	KHDRBS1	16.5	5.86E-46	-0.241	8	5.4	Q2
IPI00792422;	FAM21A	13	6.67E-142	-0.240	13	25.3	Q2
IPI00399265;	TPD52L2	61.6	6.98E-258	-0.237	14	8.2	Q2
IPI00291930;	CLINT1	11.4	3.12E-15	-0.236	7	15.2	Q2
IPI00011770;	NDUFA4	27.2	1.81E-08	-0.235	2	2.5	Q2
IPI00470535;	CACNA2D1	2.8	1.40E-13	-0.234	3	11.0	Q2
IPI00028618	MGMT	15.1	1.29E-05	-0.234	3	3.8	Q2
IPI00910781;	GPI	20.6	6.23E-72	-0.233	28	7.3	Q2
IPI00017184;	EHD1	56.6	4.98E-207	-0.233	35	26.9	Q2
IPI00396387;	GNL1	3.6	3.12E-22	-0.232	2	8.7	Q2
IPI00412792;	BTF3L4	18.4	1.62E-01	-0.231	2	0.0	Q2
IPI00000581;	OTUB1	25.6	5.44E-62	-0.229	8	9.0	Q2
IPI00334715;	GRLF1	1.1	5.10E-02	-0.229	2	12.4	Q2
IPI00029444;	C12orf10	14.4	1.90E-33	-0.228	5	4.1	Q2
IPI00002372;	ABCD3	8.8	7.65E-11	-0.228	5	10.1	Q2
IPI00219675;	RAC1	34.6	6.48E-47	-0.228	9	7.1	Q2
IPI00023542;	TMED9	20	4.32E-84	-0.227	10	8.6	Q2
IPI00029601;	CTTN	32.5	2.18E-165	-0.227	31	16.8	Q2

IPI00478653;	RPS6KA2	4.5	1.16E-11	-0.225	4	14.4	Q2
IPI00418313;	ILF3	27.1	1.28E-155	-0.224	39	51.0	Q2
IPI00307200	SWAP70	31.5	5.52E-56	-0.224	20	10.3	Q2
IPI00008223;	RAD23B	17.1	7.68E-88	-0.223	8	59.7	Q2
IPI00303602;	AIDA	8.8	1.22E-05	-0.221	3	22.4	Q2
IPI00032355;	PUM1	5.3	3.03E-49	-0.219	6	13.1	Q2
IPI00291922	PSMA5	52.3	1.16E-125	-0.219	14	7.8	Q2
IPI00176903;	PTRF	17.7	4.85E-43	-0.218	14	46.9	Q2
IPI00028564;	GBP1	13.7	2.02E-13	-0.217	7	40.1	Q2
IPI00844375;	PSMB2	10	8.71E-54	-0.216	2	8.6	Q2
IPI00216318;	YWHAB	46.7	3.74E-154	-0.216	16	13.1	Q2
IPI00295940;	UNC84B	22.1	2.60E-166	-0.216	18	9.5	Q2
IPI00477763	CDC42BPB	4.9	3.19E-22	-0.215	8	6.9	Q2
IPI00026105;	SCP2	11.9	1.48E-46	-0.215	8	8.2	Q2
IPI00064767;	ARHGAP17	4.7	1.32E-08	-0.215	3	14.8	Q2
IPI00550689;	C22orf28	11.7	5.58E-19	-0.215	8	23.8	Q2
IPI00411452;	DOCK11	1.4	3.45E-05	-0.214	3	16.8	Q2
IPI00927647;	POR	15.9	6.56E-46	-0.213	10	9.4	Q2
IPI00005634	TTC37	8.1	9.44E-126	-0.213	9	10.8	Q2
IPI00759799;	HBEBP2BPA	8	2.47E-32	-0.213	2	0.2	Q2
IPI00001091	AFG3L2	9	4.87E-11	-0.213	8	6.1	Q2
IPI00168479;	APOA1BP	8.5	2.47E-25	-0.211	3	6.2	Q2
IPI00215948;	CTNNA1	28.1	1.41E-138	-0.211	29	7.4	Q2
IPI00002236;	MFGE8	9.8	3.39E-42	-0.211	4	24.6	Q2
IPI00749454;	RFTN1	6.1	9.99E-24	-0.210	4	8.5	Q2
IPI00301609	NEK9	8.5	4.60E-91	-0.209	10	58.8	Q2
IPI00456925;	DBNL	19.8	2.89E-105	-0.209	6	4.5	Q2
IPI00221012;	USP9X	8.1	4.68E-91	-0.208	25	58.3	Q2
IPI00018931	VPS35	35.7	3.99E-212	-0.207	48	31.9	Q2
IPI00470529;	GPNMB	5.8	9.77E-80	-0.207	20	27.5	Q2
IPI00909484;	CDC42	20.3	2.28E-59	-0.207	7	5.2	Q2
IPI00027175;	SRI	41.4	3.97E-32	-0.207	9	9.6	Q2
IPI00004358;	PYGB	26.6	2.27E-166	-0.206	27	20.3	Q2

IPI00333067;	HERC4	6.8	7.74E-09	-0.206	5	7.7	Q2
IPI00023330;	KIAA1468	4	5.30E-40	-0.205	4	5.5	Q2
IPI00398576;	LIMS2	4.9	2.17E-15	-0.204	2	10.0	Q2
IPI00219301	MARCKS	48.2	1.81E-210	-0.204	14	7.7	Q2
IPI00020042;	PSMC4	9.1	1.48E-27	-0.203	4	1.2	Q2
IPI00013290;	HDGFRP2	5.3	9.32E-39	-0.203	4	18.3	Q2
IPI00411426;	VPS26A	22	1.39E-76	-0.203	7	7.3	Q2
IPI00219034	NDUFA8	22.7	2.42E-07	-0.202	2	12.0	Q2
IPI00411937;	NOP56	20.4	5.46E-54	-0.202	18	8.9	Q2
IPI00148063	HEBP1	32.3	2.18E-11	-0.202	4	5.2	Q2
IPI00023919;	PSMC5	6.2	1.01E-33	-0.202	2	17.2	Q2
IPI00006379;	NOP58	23.3	3.63E-106	-0.202	10	23.1	Q2
IPI00034319;	CUTA	7.1	1.42E-15	-0.201	2	2.6	Q2
IPI00046057;	STXBP1	9.5	1.92E-75	-0.201	6	11.9	Q2
IPI00639957;	CARM1	18.6	1.94E-47	-0.201	11	18.5	Q2
IPI00016670	C11orf59	23.6	7.97E-45	-0.199	6	4.9	Q2
IPI00396131;	YTHDF3	13.3	4.94E-40	-0.199	7	22.7	Q2
IPI00011302	CD59	25	1.87E-35	-0.199	6	9.1	Q2
IPI00465238;	C16orf62	4.1	8.76E-11	-0.199	6	5.2	Q2
IPI00018398	PSMC3	3.9	9.31E-50	-0.198	2	15.7	Q2
IPI00030915;	USP8	4.1	1.74E-37	-0.198	4	7.4	Q2
IPI00013475;	TUBB2A	8.5	5.57E-253	-0.198	6	54.4	Q2
IPI00428967;	TIRAP3	11.4	4.19E-22	-0.198	4	6.6	Q2
IPI00009771;	LMNB2	38.7	4.39E-167	-0.197	42	11.1	Q2
IPI00030654;	CPSF6	13.4	8.83E-154	-0.196	11	8.4	Q2
IPI00217357	CCAR1	4.3	6.81E-34	-0.196	5	7.7	Q2
IPI00002478;	ECE1	13.2	1.05E-35	-0.195	10	10.4	Q2
IPI00795611;	GIT1	3	2.00E-03	-0.194	2	18.1	Q2
IPI00011592;	DYNC1L12	10.8	1.88E-105	-0.194	4	4.5	Q2
IPI00221325;	RANBP2	6	5.34E-145	-0.193	17	30.2	Q2
IPI00010400;	PLCB3	9.3	2.21E-166	-0.192	9	14.8	Q2
IPI00017292;	CTNNB1	12.9	8.33E-49	-0.190	17	13.6	Q2
IPI00012831	HBXIP	17.3	6.22E-04	-0.188	2	1.5	Q2

IPI00246616;	CLIP2	13.6	1.39E-19	-0.188	13	43.7	Q2
IPI00022433;	HSPB6	54.9	1.35E-42	-0.187	8	12.5	Q2
IPI00413961;	DKFZp666O0110	5.8	1.77E-27	-0.186	5	34.1	Q2
IPI00024911	ERP29	33	1.02E-109	-0.186	10	7.5	Q2
IPI00002804;	PKN2	7.3	3.42E-53	-0.186	5	8.4	Q2
IPI00152377;	STT3B	9.6	6.24E-32	-0.185	17	35.2	Q2
IPI00157734;	EXOC3	14.3	1.48E-69	-0.184	11	13.9	Q2
IPI00182540;	CTNND1	6.6	3.31E-15	-0.184	16	13.0	Q2
IPI00480028;	ABI1	9.2	6.07E-17	-0.183	4	4.5	Q2
IPI00293260;	DNAJC10	5.4	8.04E-54	-0.182	4	5.8	Q2
IPI00303568;	PTGES2	12.2	5.31E-23	-0.182	3	7.4	Q2
IPI00015952;	EIF4G2	16.1	5.66E-23	-0.181	18	53.9	Q2
IPI00007155;	VPS28	12.2	3.73E-30	-0.181	3	10.7	Q2
IPI00170935	LRRC47	23.5	8.54E-101	-0.181	15	11.8	Q2
IPI00171573;	CCDC109A	7.1	6.17E-11	-0.180	2	6.3	Q2
IPI00419249;	PSMA3	37.3	3.36E-87	-0.180	13	12.1	Q2
IPI00029048;	TTLL12	9.6	5.28E-34	-0.179	6	5.3	Q2
IPI00299095	SNX2	26.6	1.17E-98	-0.179	26	11.3	Q2
IPI00872773;	ERO1L	15.4	1.33E-70	-0.179	7	19.3	Q2
IPI00871693;	VAMP3	40	4.40E-13	-0.178	4	5.9	Q2
IPI00872817;	GLIPR2	16.9	2.42E-37	-0.178	2	16.2	Q2
IPI00748145;	GNAI2	29.6	3.09E-106	-0.178	13	8.1	Q2
IPI00397947;	UBE2V1	13	2.56E-13	-0.178	5	3.5	Q2
IPI00925052;	ARPC4	38	3.13E-43	-0.177	7	8.0	Q2
IPI00021187;	RUVBL1	8.1	3.96E-15	-0.177	3	4.3	Q2
IPI00000783;	PSMB8	9.1	2.05E-14	-0.177	2	4.5	Q2
IPI00025796	NDUFS3	20.5	1.52E-48	-0.176	5	3.8	Q2
IPI00477962;	UAP1L1	1.4	1.55E-19	-0.176	2	13.9	Q2
IPI00297626	STXBP3	10.6	8.83E-19	-0.176	7	18.4	Q2
IPI00020356;	MAP1A	13.9	6.23E-271	-0.176	39	34.5	Q2
IPI00641743;	HCFC1	4.4	1.20E-45	-0.176	9	33.7	Q2
IPI00009104;	RUVBL2	19	4.13E-65	-0.175	7	10.9	Q2
IPI00024661	SEC24C	12.5	6.05E-165	-0.173	12	8.7	Q2

IPI00183603;	OSTC	18.1	2.41E-16	-0.173	3	3.6	Q2
IPI00304866;	TNFAIP2	5.7	3.75E-11	-0.173	3	8.4	Q2
IPI00001914;	FKBP7	18.5	4.61E-29	-0.173	5	9.4	Q2
IPI00871870;	ARPC3	56.7	1.50E-66	-0.172	15	6.7	Q2
IPI00021983;	NCSTN	5.9	1.29E-23	-0.170	7	19.6	Q2
IPI00647915;	TAGLN2	73.2	6.12E-237	-0.169	30	7.0	Q2
IPI00399089	MESDC2	24.8	1.91E-23	-0.169	7	9.0	Q2
IPI00032140;	SERPINH1	49.5	1.80E-246	-0.169	41	41.3	Q2
IPI00293078	DDX27	3	1.52E-14	-0.168	2	27.9	Q2
IPI00031583;	USO1	18	5.56E-120	-0.167	25	9.5	Q2
IPI00298111;	SNX6	9.6	2.09E-36	-0.167	4	33.0	Q2
IPI00815713;	TCOF1	3.9	8.57E-24	-0.166	5	16.9	Q2
IPI00303882;	M6PRBP1	38.5	2.21E-263	-0.166	13	8.4	Q2
IPI00027192;	PLOD1	32.7	4.10E-244	-0.165	28	12.5	Q2
IPI00477155;	GTPBP4	2.9	7.64E-07	-0.165	2	21.2	Q2
IPI00026087;	BANF1	34.8	6.51E-06	-0.165	3	1.1	Q2
IPI00022891;	SLC25A4	6	8.16E-46	-0.165	2	15.7	Q2
IPI00012079;	EIF4B	16.6	3.66E-17	-0.165	13	137.3	Q2
IPI00550234;	ARPC5	38.4	4.09E-19	-0.165	6	4.8	Q2
IPI00012011;	CFL1	86.7	<1.0E-304	-0.165	32	9.7	Q2
IPI00018522;	PRMT1	20.2	4.65E-75	-0.164	7	8.7	Q2
IPI00748411;	SHMT2	8.4	4.04E-16	-0.163	5	15.3	Q2
IPI00296830;	LUZP1	6	6.31E-39	-0.162	6	10.1	Q2
IPI00299719;	TCIRG1	10.2	4.61E-13	-0.161	7	68.1	Q2
IPI00023832;	SH3PXD2B	10.6	6.12E-70	-0.160	9	11.1	Q2
IPI00025084;	CAPNS1	60.1	2.05E-177	-0.160	21	29.5	Q2
IPI00018206;	GOT2	27	6.86E-89	-0.159	13	6.6	Q2
IPI00017895;	GPD2	14	4.09E-31	-0.159	10	13.2	Q2
IPI00442344;	SLC27A1	2.9	3.21E-02	-0.159	2	1.4	Q2
IPI00908949;	TARS	30.8	1.87E-168	-0.158	39	10.1	Q2
IPI00029623;	PSMA6	34.1	2.25E-27	-0.157	10	21.8	Q2
IPI00221327;	RTCD1	6.1	1.30E-05	-0.156	2	37.3	Q2
IPI00871988;	SFXN3	36.8	1.17E-98	-0.156	9	10.8	Q2

IPI00293564;	HMGCL	13.5	1.88E-19	-0.156	5	162.0	Q2
IPI00855846;	C6orf115	56.8	1.87E-44	-0.156	3	4.4	Q2
IPI00291136	COL6A1	32.7	<1.0E-304	-0.155	58	98.2	Q2
IPI00029046;	MLEC	30.5	1.77E-129	-0.155	9	8.5	Q2
IPI00000015;	SFRS4	6.5	7.55E-07	-0.155	7	25.0	Q2
IPI00017510	MT-CO2	27.8	2.61E-87	-0.155	8	6.2	Q2
IPI00020319;	BLOC1S1	14.4	6.45E-14	-0.154	2	3.8	Q2
IPI00218288;	SEC24D	17.7	4.00E-55	-0.153	23	43.7	Q2
IPI00472442;	PSMA1	27.1	2.94E-86	-0.153	12	11.5	Q2
IPI00026546;	PAFAH1B2	14.8	1.92E-55	-0.153	4	26.8	Q2
IPI00019407;	NSDHL	11	1.25E-04	-0.153	4	58.7	Q2
IPI00456664;	NIT1	4.6	3.80E-04	-0.152	2	3.7	Q2
IPI00293533	NUP62	16.1	1.43E-54	-0.150	8	6.0	Q2
IPI00217661;	RAVER1	2.9	5.18E-16	-0.150	2	13.4	Q2
IPI00289876;	STX7	16.9	3.49E-69	-0.149	3	5.0	Q2
IPI00375731;	RBM10	2.6	8.23E-32	-0.149	2	18.2	Q2
IPI00555956	PSMB4	37.9	1.16E-93	-0.147	14	7.6	Q2
IPI00030774;	TBCD	12.5	6.90E-42	-0.147	13	7.3	Q2
IPI00554541;	ILVBL	18.5	9.66E-38	-0.146	10	9.0	Q2
IPI00337494;	SLC25A24	11.3	8.92E-22	-0.145	5	6.8	Q2
IPI00024175;	PSMA7	38.7	2.08E-162	-0.145	10	5.2	Q2
IPI00008240;	MARS	11	7.76E-61	-0.144	10	23.1	Q2
IPI00219622;	PSMA2	47.4	5.84E-133	-0.143	12	5.8	Q2
IPI00300096	RAB35	7.5	3.81E-47	-0.142	2	3.5	Q2
IPI00183002;	PPP1R12A	23.4	2.00E-145	-0.141	27	14.4	Q2
IPI00003588;	EEF1E1	24.1	4.61E-23	-0.141	4	4.8	Q2
IPI00106646;	SDF4	8.8	1.40E-03	-0.141	3	22.6	Q2
IPI00909064;	COASY	8.8	3.97E-23	-0.139	5	9.9	Q2
IPI00305092;	WIBG	14.2	6.11E-02	-0.138	2	2.1	Q2
IPI00479306;	PSMB5	31.6	8.65E-54	-0.138	9	7.3	Q2
IPI00021466;	PAIP1	5.2	4.78E-09	-0.138	2	12.2	Q2
IPI00000643	BAG2	19.9	2.52E-12	-0.137	5	4.9	Q2
IPI00024993	ECHS1	25.5	1.92E-196	-0.137	8	9.3	Q2

IPI00216951;	DARS	16.6	2.95E-68	-0.136	8	9.7	Q2
IPI00432363;	MACF1	1	5.66E-179	-0.136	6	36.5	Q2
IPI00871780;	RBM12B	3.7	7.71E-53	-0.135	3	21.0	Q2
IPI00015973;	EPB41L2	19.9	3.46E-94	-0.134	16	66.1	Q2
IPI00642798	SC65	6.4	3.80E-28	-0.134	6	9.5	Q2
IPI00073436;	NECAP2	17.2	2.38E-30	-0.133	3	3.2	Q2
IPI00748303;	ZFR	4.1	6.53E-08	-0.133	3	11.2	Q2
IPI00009329;	UTRN	18.1	<1.0E-304	-0.133	59	13.2	Q2
IPI00419273;	CUL4A	3.7	5.21E-25	-0.133	3	20.2	Q2
IPI00028004;	PSMB3	18	2.80E-50	-0.131	8	13.5	Q2
IPI00152001;	TRIM3	2.8	2.27E-13	-0.131	2	16.2	Q2
IPI00744637;	RUFY1	14.1	9.11E-46	-0.131	11	18.2	Q2
IPI00641579;	CIRBP	10.8	3.05E-50	-0.129	3	16.4	Q2
IPI00003031;	ISOC2	22.2	8.88E-21	-0.128	2	5.7	Q2
IPI00642984;	BCAP31	16.3	8.37E-32	-0.128	8	6.2	Q2
IPI00303476;	ATP5B	51.2	<1.0E-304	-0.128	26	81.1	Q2
IPI00100030;	PIGT	10.7	1.29E-21	-0.128	6	9.8	Q2
IPI00794956;	SCFD1	22.4	4.56E-113	-0.126	17	23.9	Q2
IPI00147874;	NANS	27.9	2.46E-39	-0.126	8	32.8	Q2
IPI00000877;	HYOU1	44.3	<1.0E-304	-0.125	52	7.4	Q2
IPI00014197;	CDV3	20.2	5.33E-09	-0.125	6	9.5	Q2
IPI00019502;	MYH9	71	<1.0E-304	-0.124	469	33.2	Q2
IPI00011898;	EIF2B5	2.5	1.35E-12	-0.124	3	18.2	Q2
IPI00306290;	XPOT	6.5	2.57E-40	-0.123	8	65.8	Q2
IPI00154603	FGF2	3.5	6.26E-02	-0.121	2	45.7	Q2
IPI00300299	SPCS3	12.8	3.14E-22	-0.121	2	5.8	Q2
IPI00291893;	DCUN1D1	9.3	5.31E-11	-0.121	2	3.6	Q2
IPI00427501;	GHDC	1.5	1.86E-02	-0.121	2	2.5	Q2
IPI00031670	FAM114A1	21.8	4.76E-105	-0.120	13	23.7	Q2
IPI00329692;	NMT1	16.5	7.44E-79	-0.119	9	5.9	Q2
IPI00410082;	SPEF2	1.1	7.83E-01	-0.118	3	8.4	Q2
IPI00719680;	AP3D1	22	2.93E-246	-0.117	25	24.3	Q2
IPI00032830;	REXO2	24.9	1.36E-24	-0.117	7	10.0	Q2

IPI00027180	ZMPSTE24	11.6	2.27E-44	-0.117	4	7.2	Q2
IPI00009906	ARMCX3	9	6.88E-09	-0.117	3	5.7	Q2
IPI00017341	SF3A2	6.7	3.09E-05	-0.117	3	14.5	Q2
IPI00646762;	NUDT5	22.8	5.56E-75	-0.116	5	3.8	Q2
IPI00006579;	COX4I1	20.7	9.86E-14	-0.116	5	3.7	Q2
IPI00006451;	NSF	41.1	3.99E-194	-0.116	38	10.6	Q2
IPI00013271;	DERL1	7.6	1.04E-09	-0.116	2	2.0	Q2
IPI00215998;	CD63	13.4	3.28E-08	-0.116	24	27.1	Q2
IPI00009822;	SRP54	4.4	2.13E-21	-0.115	2	31.3	Q2
IPI00009407	DAD1	28.3	3.12E-27	-0.113	4	2.0	Q2
IPI00216219;	TJP1	8.9	1.45E-68	-0.113	13	11.1	Q2
IPI00219729;	SLC25A11	29.9	3.97E-73	-0.112	8	4.9	Q2
IPI00015602;	TOMM70A	20.6	2.39E-65	-0.112	13	7.0	Q2
IPI00007052	FIS1	17.8	1.06E-25	-0.112	2	0.3	Q2
IPI00002535	FKBP2	18.3	2.52E-29	-0.112	2	2.4	Q2
IPI00921428;	IMPA1	15.5	1.95E-22	-0.111	5	7.3	Q2
IPI00299608;	PSMD1	28.1	2.83E-148	-0.111	33	15.4	Q2
IPI00009950	LMAN2	26.4	8.80E-14	-0.110	8	19.6	Q2
IPI00604664;	NDUFS1	21.2	6.26E-170	-0.110	12	8.6	Q2
IPI00922055;	DBI	24.3	7.28E-23	-0.109	5	11.6	Q2
IPI00013895;	S100A11	81.9	1.17E-196	-0.109	18	9.8	Q2
IPI00256861;	MACF1	9	2.37E-208	-0.109	41	34.5	Q2
IPI00025874;	RPN1	43.7	9.75E-241	-0.109	49	9.4	Q2
IPI00002188	ARFGEF1	3	1.18E-31	-0.109	5	4.5	Q2
IPI00871851;	NEDD5	54	2.76E-194	-0.108	21	25.4	Q2
IPI00025019;	PSMB1	39.8	1.88E-137	-0.108	22	8.6	Q2
IPI00007423;	ANP32B	31.9	4.16E-122	-0.108	16	7.1	Q2
IPI00792837;	ZNF207	7.7	2.23E-08	-0.108	3	12.6	Q2
IPI00413611;	TOP1	5.9	6.29E-09	-0.106	4	2.7	Q2
IPI00004860;	RARS	41.5	1.01E-185	-0.106	39	18.4	Q2
IPI00215917;	ARF3	59.1	8.34E-129	-0.106	26	18.7	Q2
IPI00443909;	CNPY2	22	5.42E-63	-0.105	4	4.2	Q2
IPI00220300;	ATP5J2	39.4	3.86E-31	-0.104	3	0.8	Q2

IPI00219953;	CMPK1	36.4	1.93E-124	-0.104	13	7.0	Q2
IPI00908403;	ARL2	5.7	6.02E-13	-0.104	2	5.7	Q2
IPI00029267	SNRPB2	23.6	1.57E-02	-0.103	6	17.7	Q2
IPI00186966;	BIN1	9.1	3.18E-25	-0.103	4	6.6	Q2
IPI00029730;	STX4	7.4	1.36E-09	-0.103	2	9.4	Q2
IPI00607799;	BDH2	15.5	4.81E-23	-0.103	3	9.1	Q2
IPI00872762;	SUCLG1	8.7	9.93E-06	-0.102	3	16.4	Q2
IPI00645446;	MCTS1	19.8	2.65E-58	-0.102	3	6.3	Q2
IPI00329373	QIL1	10.2	6.66E-01	-0.102	3	3.6	Q2
IPI00000874;	PRDX1	47.7	1.17E-82	-0.101	32	11.6	Q2
IPI00024157	FKBP3	33.5	1.46E-86	-0.101	11	57.5	Q2
IPI00026969;	SEC23IP	12.8	1.25E-52	-0.100	13	4.2	Q2
IPI00023647;	UBA6	20.2	1.86E-171	-0.100	21	11.6	Q2
IPI00027505;	ITGAV	25.2	7.94E-172	-0.100	31	32.5	Q2
IPI00018871;	ARL8B	23.5	3.70E-13	-0.100	6	9.2	Q2
IPI00016457;	CRAT	8.6	7.87E-46	-0.099	6	6.2	Q2
IPI00005161;	ARPC2	51.3	1.34E-102	-0.098	19	11.6	Q2
IPI00465428;	VPS13C	3.8	5.77E-40	-0.098	11	18.2	Q2
IPI00013488;	CHN1	3.1	7.28E-01	-0.098	2	2.2	Q2
IPI00028561;	KIF5C	1.7	3.55E-95	-0.097	3	6.7	Q2
IPI00472939;	SPCS2	27.3	6.06E-16	-0.097	9	8.1	Q2
IPI00007675;	DYNC1LI1	15.5	6.84E-78	-0.096	7	14.1	Q2
IPI00413451;	DKFZp686I04222	40.6	3.04E-227	-0.095	23	22.0	Q2
IPI00103467	ALDH1B1	6.2	1.08E-27	-0.095	2	2.1	Q2
IPI00172513	APPL2	10.7	1.52E-62	-0.094	6	8.5	Q2
IPI00760940;	ANP32A	4.5	1.45E-48	-0.094	2	5.4	Q2
IPI00032064;	AKAP2	15.3	6.87E-150	-0.093	20	42.3	Q2
IPI00306043;	YTHDF2	6.2	1.34E-21	-0.093	3	10.9	Q2
IPI00004416;	CHMP2A	10.8	3.92E-02	-0.091	4	22.6	Q2
IPI00465179;	PFKM	6.7	1.36E-39	-0.091	5	9.9	Q2
IPI00889514;	HEATR7A	2.4	3.80E-18	-0.091	4	10.0	Q2
IPI00444371;	WDR44	9.9	1.49E-49	-0.091	7	14.0	Q2
IPI00643342;	PEA15	48.3	7.30E-40	-0.089	9	10.4	Q2

IPI00646556;	NDUFV2	13.5	2.36E-31	-0.089	4	12.0	Q2
IPI00219018;	GAPDH	78.8	<1.0E-304	-0.089	91	72.5	Q2
IPI00847168;	RSU1	35.6	2.06E-86	-0.089	12	88.4	Q2
IPI00168878	TOR1AIP2	5.3	9.65E-06	-0.087	2	9.1	Q2
IPI00923606;	EPRS	32	8.62E-295	-0.087	61	60.4	Q2
IPI00645303;	SNX27	4.4	1.39E-02	-0.087	2	4.5	Q2
IPI00336016;	CARS2	8.2	9.13E-11	-0.087	2	9.2	Q2
IPI00293331	POP1	1.9	6.99E-09	-0.085	2	4.3	Q2
IPI00450472;	UBE2I	22.8	7.88E-03	-0.084	4	4.5	Q2
IPI00299155;	PSMA4	42.5	5.98E-57	-0.083	10	21.2	Q2
IPI00554681;	NDUFA5	31	4.81E-19	-0.083	3	4.8	Q2
IPI00027230;	HSP90B1	48.3	<1.0E-304	-0.081	76	33.4	Q2
IPI00019755;	GSTO1	45.6	1.58E-40	-0.081	20	41.4	Q2
IPI00478231;	RHOA	56	4.26E-145	-0.080	21	13.2	Q2
IPI00028055;	TMED10	12.8	1.27E-51	-0.080	6	10.7	Q2
IPI00292657;	PTGR1	31.9	2.52E-63	-0.080	10	35.9	Q2
IPI00010090	GCLM	15.3	4.25E-60	-0.079	3	3.8	Q2
IPI00013897;	ADAM10	3.1	1.13E-07	-0.079	2	4.6	Q2
IPI00456887;	HNRNPUL2	18.3	2.74E-69	-0.079	22	11.2	Q2
IPI00031479;	PDIA5	13.3	2.37E-07	-0.078	7	3.7	Q2
IPI00016608;	TMED2	27.9	7.47E-26	-0.078	5	7.4	Q2
IPI00009507;	SYPL1	11.2	1.02E-12	-0.078	3	50.7	Q2
IPI00376119;	PRKACB	11.3	6.10E-21	-0.078	6	14.8	Q2
IPI00867509;	CORO1C	15	4.06E-51	-0.077	10	44.1	Q2
IPI00002745;	CTSZ	10.6	1.57E-24	-0.077	4	15.6	Q2
IPI00027434;	RHOC	18.7	2.75E-154	-0.077	5	7.2	Q2
IPI00008708;	RSL1D1	19.6	1.77E-66	-0.076	9	7.5	Q2
IPI00220739;	PGRMC1	35.9	2.36E-67	-0.075	13	6.8	Q2
IPI00296337;	PRKDC	30.9	<1.0E-304	-0.075	188	74.5	Q2
IPI00306280;	DENR	12.6	3.32E-60	-0.075	2	10.9	Q2
IPI00433279;	SLFN5	7.1	1.98E-47	-0.074	6	6.8	Q2
IPI00179589;	MTPN	30.8	3.88E-66	-0.074	4	5.0	Q2
IPI00028091;	ACTR3	16.5	7.56E-17	-0.074	9	46.5	Q2

IPI00154645;	TBC1D15	5.5	3.00E-28	-0.073	3	8.1	Q2
IPI00742682;	TPR	12.4	5.69E-226	-0.073	35	40.1	Q2
IPI00032831;	SNAP29	13.2	1.84E-41	-0.072	3	23.8	Q2
IPI00873253;	SEC11A	8.3	6.78E-15	-0.071	3	20.3	Q2
IPI00478410;	ATP5C1	21.1	2.60E-59	-0.070	6	4.7	Q2
IPI00220487;	ATP5H	36.6	1.39E-72	-0.069	5	2.9	Q2
IPI00873472;	SEC24A	12.4	3.27E-66	-0.068	13	19.0	Q2
IPI00100656;	GPSN2	24.7	2.66E-15	-0.068	12	12.1	Q2
IPI00005202	PGRMC2	13.8	5.34E-66	-0.067	5	9.5	Q2
IPI00020928;	TFAM	8.9	2.15E-02	-0.067	2	4.3	Q2
IPI00297113;	TRIM32	4.4	3.93E-30	-0.066	2	3.3	Q2
IPI00909773;	UBE2L3	21.7	3.59E-131	-0.066	7	6.2	Q2
IPI00027808;	POLR2B	6.4	1.17E-38	-0.065	7	6.9	Q2
IPI00374657;	VAPA	21.4	2.37E-53	-0.065	10	55.6	Q2
IPI00028635;	RPN2	36.2	3.85E-198	-0.065	33	19.1	Q2
IPI00412404	SUPV3L1	2.9	1.53E-08	-0.064	2	2.9	Q2
IPI00412672;	PKN1	5.2	8.05E-21	-0.063	5	4.7	Q2
IPI00024129;	PPIC	20.8	1.87E-18	-0.062	9	109.2	Q2
IPI00299571;	PDIA6	21.5	3.56E-47	-0.062	7	77.0	Q2
IPI00009301;	COPS7B	19.3	6.21E-14	-0.061	5	70.8	Q2
IPI00021129;	AP3B1	25	3.70E-165	-0.060	33	20.0	Q2
IPI00026272;	HIST1H2AB	57.7	7.58E-64	-0.059	13	38.8	Q2
IPI00028888;	HNRNPD	23.4	2.98E-127	-0.059	16	47.0	Q2
IPI00017726;	HSD17B10	61.7	1.46E-251	-0.059	16	8.7	Q2
IPI00018272;	PNPO	6.5	1.37E-02	-0.058	2	9.6	Q2
IPI00798102;	VPS29	23.5	7.69E-21	-0.057	6	7.1	Q2
IPI00793155;	RAB34	18.4	2.75E-47	-0.057	5	5.7	Q2
IPI00221226;	ANXA6	75.3	<1.0E-304	-0.056	124	20.9	Q2
IPI00219160;	RPL34	13.7	5.33E-03	-0.056	3	5.4	Q2
IPI00843975;	EZR	40.1	3.20E-238	-0.056	35	22.0	Q2
IPI00045839;	LEPRE1	14.7	5.35E-75	-0.054	17	12.5	Q2
IPI00296053;	FH	7.8	8.59E-66	-0.054	3	9.4	Q2
IPI00007611;	ATP5O	47.4	2.34E-165	-0.054	9	9.1	Q2

IPI00002902	NOL9	6.4	1.43E-05	-0.053	3	8.4	Q2
IPI00006957;	DHRS7	12.4	5.13E-09	-0.053	4	7.3	Q2
IPI00063827;	ABHD14B	28.1	1.96E-51	-0.053	11	9.3	Q2
IPI00793375;	XPNPEP1	14	8.90E-64	-0.052	9	6.7	Q2
IPI00029133;	ATP5F1	29.3	2.58E-58	-0.052	11	39.7	Q2
IPI00216237	RPL36	19	1.65E-10	-0.052	3	4.4	Q2
IPI00020008;	NEDD8	17.3	2.67E-29	-0.051	4	6.8	Q2
IPI00873899;	ABCF1	7.2	2.86E-27	-0.051	8	19.5	Q2
IPI00185374;	PSMD12	25.4	1.67E-41	-0.050	12	12.8	Q2
IPI00016112;	PXDN	7.5	9.22E-60	-0.049	10	21.7	Q2
IPI00027448	ATP5L	46.6	1.41E-39	-0.048	4	4.2	Q2
IPI00294911	SDHB	29.6	2.25E-48	-0.048	10	6.6	Q2
IPI00480142;	CUL4B	13.8	1.68E-41	-0.047	18	17.8	Q2
IPI00020101;	HIST1H2BC	7.9	3.82E-49	-0.046	6	10.9	Q2
IPI00026781	FASN	43.4	<1.0E-304	-0.045	196	64.0	Q2
IPI00031461;	GDI2	27.4	1.73E-174	-0.045	16	67.7	Q2
IPI00292753;	GAPVD1	2.4	7.23E-22	-0.045	3	2.6	Q2
IPI00013297;	PDAP1	33.1	1.89E-46	-0.044	7	8.7	Q2
IPI00007682	ATP6V1A	36.3	1.90E-219	-0.044	46	21.2	Q2
IPI00550917;	TWF2	32.7	5.80E-84	-0.043	10	6.4	Q2
IPI00742670;	PON2	11.2	8.08E-84	-0.043	4	15.0	Q2
IPI00916111;	MDH1	33.2	7.96E-117	-0.043	13	15.0	Q2
IPI00167030	KRTCAP2	10.5	1.06E-10	-0.042	2	1.0	Q2
IPI00329536;	EEA1	48.5	<1.0E-304	-0.042	74	17.8	Q2
IPI00025158;	STAG1	1.7	1.51E-04	-0.042	2	47.4	Q2
IPI00396171;	MAP4	52.9	<1.0E-304	-0.042	93	55.5	Q2
IPI00646304;	PPIB	60.6	2.10E-178	-0.042	40	8.3	Q2
IPI00477231;	MGEA5	8.6	5.48E-18	-0.041	7	17.6	Q2
IPI00217143;	SDHA	19.4	6.05E-109	-0.041	12	46.0	Q2
IPI00409717;	EIF4A2	11.8	7.19E-105	-0.041	4	8.4	Q2
IPI00011201;	ME2	16.3	1.25E-53	-0.041	9	17.0	Q2
IPI00020472;	TMEM111	14.9	6.16E-69	-0.040	3	5.9	Q2
IPI00747764;	KPNA6	5.9	3.67E-62	-0.040	3	11.4	Q2

IPI00024642;	CCDC47	19.3	2.00E-37	-0.039	13	8.1	Q2
IPI00220644;	PKM2	74.6	<1.0E-304	-0.039	154	49.2	Q2
IPI00217519;	RALA	25.2	1.23E-67	-0.038	9	9.8	Q2
IPI00020984;	CANX	37	9.23E-191	-0.038	60	40.9	Q2
IPI00011603;	PSMD3	37.6	1.87E-172	-0.037	27	33.7	Q2
IPI00056334;	PRKCDBP	26.1	7.49E-48	-0.037	7	12.6	Q2
IPI00016405;	OCIAD1	8.2	3.30E-02	-0.037	3	4.5	Q2
IPI00022793;	HADHB	10.5	6.74E-15	-0.036	6	9.9	Q2
IPI00300074;	FARSB	33.6	1.66E-65	-0.036	21	8.4	Q2
IPI00654582;	TOLLIP	14.5	3.30E-51	-0.036	6	25.7	Q2
IPI00011268;	RALY	24.1	1.15E-30	-0.036	8	52.1	Q2
IPI00298558;	PDCD10	21.2	6.40E-23	-0.036	4	136.8	Q2
IPI00003217;	PSMB7	12.3	7.40E-12	-0.035	4	5.2	Q2
IPI00009346	TMEM14C	50	3.21E-11	-0.035	3	9.9	Q2
IPI00293350;	TSNAX	22.8	9.90E-49	-0.034	8	9.2	Q2
IPI00444452;	MOV10	3	1.67E-26	-0.034	4	4.9	Q2
IPI00871856;	STIP1	46.6	2.60E-130	-0.034	34	9.2	Q2
IPI00024466;	UGCGL1	29.6	<1.0E-304	-0.034	54	26.9	Q2
IPI00005159;	ACTR2	43.7	2.18E-117	-0.034	22	18.1	Q2
IPI00217056;	LEPREL2	12	1.09E-48	-0.033	12	17.5	Q2
IPI00018195;	MAPK3	15	2.30E-51	-0.033	5	3.7	Q2
IPI00419979;	PAK2	32	2.24E-111	-0.033	18	7.9	Q2
IPI00103057;	FAM36A	20	3.46E-27	-0.033	2	0.3	Q2
IPI00006211;	VAPB	26.7	3.57E-85	-0.032	8	51.3	Q2
IPI00001960;	CLIC4	80.6	5.36E-198	-0.031	34	6.9	Q2
IPI00003843;	TJP2	1.9	2.07E-02	-0.031	3	10.8	Q2
IPI00304409	CARHSP1	18.4	6.16E-37	-0.031	3	0.5	Q2
IPI00440493;	ATP5A1	31.1	<1.0E-304	-0.030	22	45.0	Q2
IPI00646015;	ACOT9	4.7	6.29E-03	-0.029	2	23.0	Q2
IPI00027107	TUFM	7.9	5.17E-05	-0.029	3	8.8	Q2
IPI00105598;	PSMD11	22	1.82E-72	-0.028	10	7.5	Q2
IPI00005160;	ARPC1B	34.1	5.50E-69	-0.027	10	7.1	Q2
IPI00183626;	PTBP1	31.2	2.24E-144	-0.026	24	19.9	Q2

IPI00926109;	DHX30	3.4	4.88E-09	-0.025	3	12.3	Q2
IPI00025086	COX5A	16.7	5.53E-36	-0.025	4	5.1	Q2
IPI00103525;	PSPC1	18	4.76E-48	-0.025	7	41.9	Q2
IPI00304692;	RBMX	9	3.25E-03	-0.025	3	17.6	Q2
IPI00017334;	PHB	43.4	1.63E-191	-0.024	13	8.2	Q2
IPI00642584;	KIAA0090	9.6	1.40E-46	-0.024	8	11.5	Q2
IPI00005038;	HRSP12	19	3.37E-34	-0.023	2	2.6	Q2
IPI00017160;	VTA1	11.1	7.64E-27	-0.022	3	4.7	Q2
IPI00414717;	GLG1	16.3	2.83E-106	-0.022	20	6.8	Q2
IPI00022597	UBE2M	21.3	7.81E-05	-0.022	5	55.5	Q2
IPI00025039	FBL	15.6	1.04E-03	-0.021	5	13.0	Q2
IPI00013723;	PIN1	20.9	1.24E-19	-0.021	2	2.0	Q2
IPI00646350;	NAE1	11.7	1.75E-70	-0.021	5	4.5	Q2
IPI00011876;	MTAP	16	1.26E-67	-0.021	6	24.8	Q2
IPI00023234	UBA2	13.9	1.08E-15	-0.021	10	8.6	Q2
IPI00220014	IDI1	21.5	1.00E-18	-0.020	5	6.2	Q2
IPI00419194;	IAH1	14.5	1.16E-06	-0.020	3	2.7	Q2
IPI00328415;	CYB5R3	50.9	3.19E-183	-0.020	42	8.5	Q2
IPI00887678;	PPIA	49.8	3.29E-274	-0.020	44	72.8	Q2
IPI00000030;	PPP2R5D	8.1	1.23E-19	-0.020	8	7.1	Q2
IPI00010796;	P4HB	61	<1.0E-304	-0.019	86	31.1	Q2
IPI00021263;	YWHAZ	64.9	6.71E-291	-0.019	30	15.1	Q2
IPI00305978;	AKR7A2	21.4	6.40E-88	-0.019	11	41.4	Q2
IPI00027933	PSMB10	7.3	5.12E-81	-0.019	2	11.1	Q2
IPI00003935;	HIST2H2BE	55.6	2.97E-49	-0.019	24	10.2	Q2
IPI00030782;	STAT6	5.1	1.22E-20	-0.018	4	8.1	Q2
IPI00012578	KPNA4	9.6	2.73E-79	-0.018	8	42.5	Q2
IPI00513791;	DOCK7	5	3.79E-49	-0.017	10	12.2	Q2
IPI00382452	CHMP1A	9.7	1.09E-04	-0.017	2	5.8	Q2
IPI00289758;	CAPN2	29.6	3.95E-202	-0.017	33	29.5	Q2
IPI00247871;	TCERG1	3.4	2.22E-09	-0.016	4	3.0	Q2
IPI00291412;	PPM1F	9.9	1.12E-07	-0.016	2	4.4	Q2
IPI00019383;	GALK1	10.2	5.53E-26	-0.015	4	51.9	Q2

IPI00014587;	CLTA	23.8	4.55E-72	-0.015	9	48.5	Q2
IPI00022202;	SLC25A3	34.5	8.14E-131	-0.015	30	51.3	Q2
IPI00297982;	EIF2S3	12.7	2.04E-39	-0.014	5	2.1	Q2
IPI00297084;	DDOST	38.6	5.58E-115	-0.014	20	11.2	Q2
IPI00171611;	HIST2H3A	52.9	7.42E-37	-0.014	10	21.9	Q2
IPI00744692;	TALDO1	32.9	8.82E-81	-0.012	13	11.9	Q2
IPI00002324;	MAT2B	20.1	1.00E-43	-0.011	5	8.1	Q2
IPI00016339;	RAB5C	42.1	7.07E-129	-0.011	17	8.1	Q2
IPI00455482;	RPL35	9.2	1.29E-03	-0.011	4	10.7	Q2
IPI00028031;	ACADVL	30.7	7.63E-152	-0.011	24	8.0	Q2
IPI00026219	CPSF1	4.7	1.17E-27	-0.011	7	6.3	Q2
IPI00021435;	PSMC2	11.3	1.29E-17	-0.010	5	10.1	Q2
IPI00291419	ACAT2	19.2	8.52E-25	-0.010	10	8.2	Q2
IPI00060627	CCDC124	10.8	1.53E-05	-0.009	2	9.3	Q2
IPI00000816;	YWHAE	77.6	<1.0E-304	-0.009	42	29.5	Q2
IPI00796333;	ALDOA	61.7	8.41E-296	-0.009	41	16.3	Q2
IPI00219153;	RPL22	20.3	6.81E-18	-0.009	3	9.3	Q2
IPI00412147	SLC27A4	3.1	8.09E-05	-0.009	2	1.2	Q2
IPI00300371;	SF3B3	23.9	<1.0E-304	-0.008	33	27.6	Q2
IPI00000051	PFDN1	15.6	4.50E-10	-0.008	2	10.4	Q2
IPI00003856;	ATP6V1E1	28.3	7.12E-49	-0.007	9	5.3	Q2
IPI00418213;	RABGEF1	4.1	9.15E-09	-0.007	3	8.3	Q2
IPI00908605	TUBB2C	32.6	2.01E-78	-0.007	7	86.7	Q2
IPI00020567;	ARHGAP1	24	2.42E-161	-0.006	9	80.2	Q2
IPI00215888;	SRP72	19.2	1.14E-50	-0.006	10	6.9	Q2
IPI00023191;	TOM1	8	3.03E-55	-0.006	3	14.0	Q2
IPI00306667;	CNP	4.8	2.95E-26	-0.005	3	5.1	Q2
IPI00641582	BAG3	4	2.07E-24	-0.005	2	7.9	Q2
IPI00307155;	ROCK2	13.7	7.94E-134	-0.005	19	16.0	Q2
IPI00059279;	EXOC4	4.3	6.15E-38	-0.005	3	1.8	Q2
IPI00903296;	CDC42BPA	1.5	3.74E-21	-0.005	5	31.0	Q2
IPI00024971;	OSBP	2.2	3.71E-04	-0.003	3	7.5	Q2
IPI00003925;	PDHB	27	2.80E-115	-0.003	12	8.3	Q2

IPI00021440;	ACTG1	84.8	<1.0E-304	-0.002	243	44.5	Q2
IPI00852741;	SEC31A	29.1	6.14E-299	-0.001	57	61.5	Q2
IPI00007812;	ATP6V1B2	8.4	1.52E-47	0.000	3	1.4	Q2
IPI00012866;	AKT1	7.3	3.92E-03	0.000	4	4.6	Q2
IPI00855767;	RAP1GDS1	34.4	2.73E-231	0.000	20	19.3	Q2
IPI00008524;	PABPC1	37.1	1.66E-231	0.000	57	91.0	Q2
IPI00163644;	OSBPL8	14.3	2.17E-153	0.000	18	10.8	Q2
IPI00293464;	DDB1	32	3.12E-201	0.000	42	16.6	Q2
IPI00479877;	ALDH9A1	9.3	4.41E-24	0.002	4	12.7	Q2
IPI00414442;	CDK5RAP3	22	1.24E-37	0.002	13	12.4	Q2
IPI00297261	PTPN1	4.6	4.65E-07	0.003	2	0.1	Q2
IPI00014624	AP3S1	14.3	6.10E-39	0.003	4	8.4	Q2
IPI00290542;	STAM2	7	4.62E-43	0.003	3	7.2	Q2
IPI00410485;	TAOK3	2.3	6.63E-18	0.005	2	5.8	Q2
IPI00031820;	FARSA	5.1	2.88E-09	0.005	3	8.7	Q2
IPI00003482;	DECR1	15.2	1.62E-10	0.005	6	53.1	Q2
IPI00031522;	HADHA	37.9	7.36E-249	0.006	41	13.7	Q2
IPI00218922;	SEC63	5.4	1.69E-08	0.006	6	10.0	Q2
IPI00006980;	C14orf166	30.7	1.82E-83	0.006	12	5.6	Q2
IPI00021405;	LMNA	69.7	<1.0E-304	0.006	216	46.9	Q2
IPI00871890;	PICALM	26.8	1.53E-183	0.007	16	11.7	Q2
IPI00307092;	KARS	21.8	4.95E-76	0.007	23	45.6	Q2
IPI00027834;	HNRNPL	45	1.20E-189	0.007	19	19.1	Q2
IPI00018813;	COPS2	13.3	1.12E-22	0.008	6	12.6	Q2
IPI00607554;	USP47	2.9	9.71E-30	0.009	3	7.3	Q2
IPI00304596;	NONO	29.7	2.37E-50	0.009	19	14.1	Q2
IPI00022275;	SACM1L	15.5	4.04E-36	0.009	9	21.3	Q2
IPI00910850;	URM1	13.7	6.81E-06	0.009	2	1.5	Q2
IPI00002134;	PSMD5	9.9	1.24E-28	0.009	4	37.6	Q2
IPI00514587;	SARS	29.7	2.17E-81	0.009	17	13.5	Q2
IPI00015077;	EIF1	41.6	3.60E-87	0.010	5	1.0	Q2
IPI00744015;	DYNC112	13.2	1.13E-24	0.010	6	9.4	Q2
IPI00002966;	HSPA4	42.1	<1.0E-304	0.011	52	9.6	Q2

IPI00024664;	USP5	12	4.81E-65	0.011	11	16.4	Q2
IPI00025815;	TARDBP	2.9	2.61E-09	0.011	2	1.8	Q2
IPI00022229;	APOB	0.4	3.83E-22	0.011	2	14.2	Q2
IPI00219385	NDUFB6	24.2	1.08E-04	0.012	2	25.1	Q2
IPI00103247;	HNRPLL	5.4	1.14E-29	0.013	2	1.9	Q2
IPI00333068;	ARPC1A	14.6	5.29E-33	0.013	5	4.5	Q2
IPI00914897;	KIAA1602	1.1	2.71E-01	0.013	2	3.4	Q2
IPI00141318;	CKAP4	61.5	<1.0E-304	0.013	78	50.0	Q2
IPI00023526;	RAB6A	44.7	2.34E-57	0.014	15	10.8	Q2
IPI00026154;	PRKCSH	27.1	3.81E-106	0.015	40	24.4	Q2
IPI00021057;	SLC12A4	7	2.62E-15	0.015	7	11.1	Q2
IPI00015911;	DLD	7.9	3.12E-98	0.015	4	6.2	Q2
IPI00299573;	RPL7A	47.4	3.09E-204	0.015	24	8.6	Q2
IPI00555744	RPL14	29.1	1.41E-62	0.017	9	182.4	Q2
IPI00008599;	EBP	16.5	5.94E-10	0.017	3	7.7	Q2
IPI00001568;	ATP6V1D	10.5	2.83E-38	0.018	3	8.5	Q2
IPI00745568;	TIPRL	14	1.77E-03	0.018	4	8.0	Q2
IPI00163496;	PPFIA1	3.1	1.42E-08	0.018	3	302.3	Q2
IPI00305166	SDHA	2.8	5.01E-114	0.019	4	18.0	Q2
IPI00018415;	TM9SF2	3.5	2.43E-02	0.020	3	6.7	Q2
IPI00791086;	EIF3D	21.5	1.66E-108	0.021	13	30.2	Q2
IPI00009747;	LSS	14.1	2.86E-52	0.023	10	10.5	Q2
IPI00328715	MTDH	11.7	1.61E-85	0.023	8	39.3	Q2
IPI00220503;	DCTN2	16.3	7.68E-96	0.024	7	7.5	Q2
IPI00377261;	FUBP3	16.6	1.41E-67	0.025	9	4.8	Q2
IPI00412497;	DYNLRB1	39.2	7.46E-26	0.027	4	9.9	Q2
IPI00453473	HIST1H4A	54.4	9.05E-79	0.028	38	39.5	Q2
IPI00217975;	LMNB1	48.5	6.28E-208	0.028	52	13.8	Q2
IPI00293655	DDX1	26.8	7.71E-142	0.028	29	7.5	Q2
IPI00007144	RPL26L1	36.6	5.09E-16	0.028	12	21.9	Q2
IPI00815770;	SNX3	48.8	5.69E-41	0.031	9	7.4	Q2
IPI00182757;	KIAA1967	15.5	7.30E-90	0.031	18	8.4	Q2
IPI00300504	UPF2	1.3	8.90E-02	0.032	2	5.7	Q2

IPI00419891;	SCFD2	6.7	2.55E-11	0.032	4	12.7	Q2
IPI00413344;	CFL2	37.3	1.43E-181	0.032	6	8.7	Q2
IPI00746318;	SGCD	7.2	1.14E-10	0.033	2	18.1	Q2
IPI00847544;	FMNL3	1.9	1.06E-04	0.033	2	0.6	Q2
IPI00646361;	NUP214	5.3	2.70E-97	0.033	10	9.4	Q2
IPI00003004;	SLC25A22	8.7	8.52E-08	0.033	2	1.7	Q2
IPI00100796	CHMP5	17.8	1.12E-33	0.033	2	1.6	Q2
IPI00292000;	PRPF31	12.4	3.33E-40	0.034	7	7.1	Q2
IPI00796864;	DPM1	19.3	3.09E-48	0.034	6	8.8	Q2
IPI00816452;	MYO6	13.4	1.54E-85	0.035	15	126.3	Q2
IPI00556451;	ETFB	19.9	1.23E-19	0.036	8	7.9	Q2
IPI00216457;	HIST2H2AA3	30.8	1.42E-57	0.036	5	9.4	Q2
IPI00449049;	PARP1	31.9	5.00E-164	0.036	31	39.9	Q2
IPI00550032;	RP11	18.1	2.43E-46	0.036	3	6.9	Q2
IPI00215911;	APEX1	47.5	1.21E-76	0.037	12	102.3	Q2
IPI00178440;	EEF1B2	23.6	2.27E-93	0.038	7	7.3	Q2
IPI00456758	RPL27A	31.1	1.52E-30	0.039	4	5.6	Q2
IPI00414554	ARPC5L	20.9	7.74E-25	0.039	3	10.0	Q2
IPI00016179	S100A13	27.6	5.61E-08	0.039	4	1.3	Q2
IPI00748360	KIAA1797	3.1	6.43E-09	0.040	5	11.0	Q2
IPI00790757;	DUSP3	26.7	6.37E-49	0.040	5	3.8	Q2
IPI00787827;	PITRM1	14.5	1.07E-57	0.041	13	34.1	Q2
IPI00915872;	TNRC6B	2.7	1.43E-11	0.041	2	0.7	Q2
IPI00017763;	NAP1L4	5.7	3.03E-23	0.042	2	3.3	Q2
IPI00030363;	ACAT1	35.4	5.02E-78	0.042	14	15.5	Q2
IPI00013183;	UBA7	6.2	4.82E-89	0.043	4	8.9	Q2
IPI00411706;	ESD	41.5	1.15E-49	0.043	8	13.2	Q2
IPI00013004;	PDXK	26.9	2.49E-92	0.043	10	22.2	Q2
IPI00815642;	TMSB4X	38.6	1.98E-06	0.043	2	7.9	Q2
IPI00010201;	PSMD8	18.9	4.59E-30	0.043	8	2.9	Q2
IPI00464952;	SFRS11	8.1	2.04E-42	0.044	4	4.5	Q2
IPI00915855;	VDAC2	24.3	5.60E-36	0.045	9	22.3	Q2
IPI00027014;	DCTN3	15.1	5.81E-06	0.045	3	5.5	Q2

IPI00925251;	SNRPG	22.1	2.08E-12	0.045	2	3.3	Q2
IPI00008438;	RPS10	29.1	1.81E-57	0.046	9	4.1	Q2
IPI00008274;	CAP1	4.8	1.04E-154	0.046	3	79.1	Q2
IPI00009976	TMED1	17.2	6.96E-23	0.047	3	1.7	Q2
IPI00783271;	LRPPRC	46.6	<1.0E-304	0.048	72	23.8	Q2
IPI00885108;	PATL1	4.3	1.26E-17	0.048	2	6.0	Q2
IPI00410118;	QKI	12.7	1.23E-06	0.049	4	10.8	Q2
IPI00848334;	KIF2A	2.6	1.58E-19	0.049	2	1.2	Q2
IPI00010810;	ETFA	42.6	6.97E-209	0.049	13	20.4	Q2
IPI00217468	HIST1H1B	15	1.33E-24	0.050	6	49.6	Q2
IPI00007814;	ATP6V1C1	8.9	2.13E-02	0.050	4	11.1	Q2
IPI00470779	TXLNA	8.6	3.95E-22	0.051	7	114.2	Q2
IPI00103142	NUDCD2	23.6	3.64E-28	0.051	3	4.5	Q2
IPI00009960;	IMMT	26.3	2.33E-109	0.052	25	11.2	Q2
IPI00010800;	NES	29.4	<1.0E-304	0.052	56	42.1	Q2
IPI00396279;	CLASP1	3.6	6.29E-09	0.053	5	18.0	Q2
IPI00789159;	RPL23A	27.8	5.67E-34	0.053	13	11.3	Q2
IPI00872261;	AHCYL1	9.8	1.22E-10	0.053	6	9.1	Q2
IPI00009904;	PDIA4	44.3	1.22E-272	0.054	56	48.7	Q2
IPI00013466;	ASNA1	28.2	3.05E-75	0.054	8	16.6	Q2
IPI00014263;	EIF4H	49.2	5.83E-125	0.054	11	6.7	Q2
IPI00427330;	SBDS	45.6	5.28E-76	0.054	11	16.5	Q2
IPI00018768;	TSN	35.5	1.25E-61	0.055	8	11.0	Q2
IPI00012772;	RPL8	28	2.44E-33	0.055	8	7.2	Q2
IPI00783302;	PTCD3	1.9	2.78E-23	0.055	2	2.6	Q2
IPI00908416;	EIF4E	14.1	1.93E-11	0.055	4	21.1	Q2
IPI00550069	RNH1	33.8	1.65E-177	0.056	11	43.9	Q2
IPI00152981;	ACAD9	13.4	7.48E-32	0.057	9	11.6	Q2
IPI00011916;	AIMP2	10.6	4.02E-07	0.057	3	3.5	Q2
IPI00644231;	CYFIP1	30.4	3.04E-290	0.057	42	14.0	Q2
IPI00300341;	TCEB1	41.1	1.93E-50	0.057	3	7.4	Q2
IPI00029629	TRIM25	21.6	1.14E-95	0.059	19	15.5	Q2
IPI00219229	LSM3	32.4	2.60E-05	0.059	2	7.3	Q2

IPI00329598	HSD17B11	25	2.64E-96	0.059	8	8.5	Q2
IPI00413324;	RPL17	36.4	1.23E-36	0.060	13	8.6	Q2
IPI00014439;	QDPR	30.3	1.04E-74	0.061	5	7.2	Q2
IPI00217413	DHX29	4.1	1.60E-62	0.061	5	20.0	Q2
IPI00873403;	RPL24	24.3	2.05E-29	0.061	12	17.4	Q2
IPI00219526;	PGM1	48.6	1.97E-189	0.061	29	5.6	Q2
IPI00033022;	DNM2	19.8	6.85E-50	0.062	21	30.3	Q2
IPI00100151;	XRN2	4.8	9.59E-16	0.062	5	8.5	Q2
IPI00075248;	CALM1	67.8	1.20E-121	0.063	11	11.5	Q2
IPI00872940;	RPL30	63.5	3.18E-56	0.063	10	13.9	Q2
IPI00021812;	AHNAK	75.9	<1.0E-304	0.063	787	80.8	Q2
IPI00220766	GLO1	46.7	3.59E-88	0.063	15	26.4	Q2
IPI00644431;	DDX39	14.9	5.43E-44	0.064	7	38.2	Q2
IPI00171903;	HNRNPM	52.3	7.75E-249	0.064	72	16.9	Q2
IPI00414860;	RPL37A	29.3	5.67E-35	0.065	2	2.6	Q2
IPI00295209;	SNX5	8.9	3.48E-18	0.065	3	22.4	Q2
IPI00306301;	PDHA1	6.8	9.21E-11	0.066	3	14.4	Q2
IPI00409684;	NCKAP1	25.8	1.88E-126	0.066	35	19.1	Q2
IPI00215920	ARF6	30.3	9.95E-40	0.066	6	10.7	Q2
IPI00011126;	PSMC1	10.9	1.64E-69	0.067	3	16.6	Q2
IPI00306516	TIMM44	6.9	1.75E-14	0.067	3	5.3	Q2
IPI00219365;	MSN	64	<1.0E-304	0.067	132	44.0	Q2
IPI00152692	DTD1	14.8	4.17E-31	0.068	2	14.2	Q2
IPI00220642;	YWHAG	37.2	2.39E-143	0.068	12	8.2	Q2
IPI00305469;	CRK	39.7	2.95E-91	0.069	7	6.1	Q2
IPI00028005;	NUP107	5.5	6.05E-49	0.069	5	14.7	Q2
IPI00441473;	PRMT5	9.3	2.95E-21	0.069	7	8.2	Q2
IPI00220528	SNRPF	15.1	4.27E-23	0.070	2	4.4	Q2
IPI00465233;	EIF3EIP	30	3.17E-265	0.070	19	32.1	Q2
IPI00217540;	KDM1	1.8	1.81E-02	0.070	2	20.6	Q2
IPI00295386;	CBR1	72.2	<1.0E-304	0.070	25	15.8	Q2
IPI00246058;	PDCD6IP	34.8	9.45E-270	0.070	44	33.5	Q2
IPI00914529;	RPL28	23.1	2.07E-06	0.071	5	11.8	Q2

IPI00018274;	EGFR	14.4	1.24E-73	0.071	16	18.7	Q2
IPI00412224;	BRWD2	4.7	1.01E-52	0.074	6	67.8	Q2
IPI00440703;	GSTK1	25.5	6.74E-101	0.074	13	26.6	Q2
IPI00012074;	HNRNPR	22	2.24E-80	0.074	16	26.6	Q2
IPI00028050;	EEFSEC	3.7	1.23E-06	0.074	2	31.3	Q2
IPI00031691;	RPL9	43.8	2.30E-93	0.076	8	5.3	Q2
IPI00027096;	MRPL19	6.2	7.56E-03	0.076	2	12.7	Q2
IPI00465361;	RPL13	41.7	9.41E-30	0.076	13	44.6	Q2
IPI00004312;	STAT2	15	2.08E-42	0.077	19	27.3	Q2
IPI00072377;	SET	14.8	3.82E-41	0.077	6	10.2	Q2
IPI00019770;	FAU	8.3	3.95E-03	0.078	3	7.7	Q2
IPI00022664	RABGGTA	4.9	7.54E-04	0.078	3	5.1	Q2
IPI00334159	VBP1	8.2	1.19E-12	0.078	3	1.6	Q2
IPI00307257;	TBC1D9B	2.2	5.12E-81	0.079	2	25.4	Q2
IPI00007765;	HSPA9	40.9	<1.0E-304	0.080	59	24.4	Q2
IPI00217490;	FNDC3B	7.6	5.62E-90	0.081	9	6.0	Q2
IPI00926977;	PSMC6	31	1.76E-136	0.081	11	15.1	Q2
IPI00020436;	RAB11B	56	7.10E-118	0.083	14	19.5	Q2
IPI00216691;	PFN1	91.4	1.21E-213	0.083	30	10.3	Q2
IPI00793201;	AIMP1	13.7	1.20E-26	0.084	4	7.0	Q2
IPI00028957;	UBE4A	3.4	1.22E-18	0.084	3	28.5	Q2
IPI00332511	PPP2R2A	6.7	6.30E-24	0.084	3	17.4	Q2
IPI00026627	RP2	5.1	3.15E-03	0.085	2	5.7	Q2
IPI00017375;	SEC23A	50.8	<1.0E-304	0.085	39	6.5	Q2
IPI00024006	PIK3R4	2.5	1.35E-17	0.085	3	12.9	Q2
IPI00871680;	ARFGAP2	6	5.19E-09	0.085	3	6.7	Q2
IPI00014298;	PWP1	5.6	1.09E-18	0.085	2	21.4	Q2
IPI00008529;	RPLP2	47.8	4.29E-121	0.085	7	5.3	Q2
IPI00033143	EIF3K	8.3	4.36E-05	0.086	2	0.5	Q2
IPI00554737;	PPP2R1A	46.9	9.05E-250	0.086	35	8.0	Q2
IPI00016513	RAB10	23	1.61E-45	0.088	5	10.9	Q2
IPI00925713;	RPL10	50.9	1.27E-98	0.089	18	6.7	Q2
IPI00010349;	AGPS	12	3.71E-77	0.090	6	7.9	Q2

IPI00554521;	FTH1	25.1	1.16E-36	0.090	9	82.6	Q2
IPI00792743;	SLTM	5.4	1.06E-09	0.090	4	6.5	Q2
IPI00549725;	PGAM1	52	2.73E-225	0.091	22	11.8	Q2
IPI00005511	PHF5A	14.5	7.93E-02	0.092	2	1.7	Q2
IPI00005578	EHD4	24	1.12E-158	0.092	13	28.5	Q2
IPI00339384;	RDH11	19.5	1.59E-57	0.092	5	6.9	Q2
IPI00024821;	PSMD14	23.9	7.65E-18	0.092	6	5.8	Q2
IPI00215884;	SFRS1	30.6	1.41E-29	0.092	11	7.4	Q2
IPI00000070;	LDLR	2.6	1.52E-11	0.092	2	155.9	Q2
IPI00646058;	SAFB	2.8	4.88E-44	0.093	2	10.7	Q2
IPI00872430;	RPS8	40.1	2.59E-72	0.093	10	7.8	Q2
IPI00216746;	HNRNPK	43.3	2.18E-274	0.093	51	58.3	Q2
IPI00247583;	RPL21	36.9	2.81E-41	0.094	8	5.9	Q2
IPI00028565;	GBP2	3.2	6.36E-02	0.094	2	3.5	Q2
IPI00658155;	MRPS34	6.7	6.09E-02	0.095	2	2.0	Q2
IPI00395694;	TNPO3	6.4	6.86E-35	0.095	6	7.4	Q2
IPI00107753;	OPA1	2.5	8.85E-16	0.095	2	11.4	Q2
IPI00011913	HNRNPA0	16.1	1.27E-69	0.095	4	5.0	Q2
IPI00291669	UBLCP1	9.4	3.99E-04	0.095	3	8.7	Q2
IPI00030131;	TMPO	7.3	2.79E-66	0.096	3	7.8	Q2
IPI00001146	LSM6	22.5	2.88E-09	0.097	2	2.1	Q2
IPI00003968;	NDUFA9	11.1	7.65E-09	0.098	3	9.8	Q2
IPI00014377;	RAB32	21.3	3.32E-16	0.098	5	11.4	Q2
IPI00010320;	CBX1	13.5	1.37E-49	0.098	2	14.4	Q2
IPI00250297	AASDHPPT	7.4	1.41E-23	0.099	2	2.2	Q2
IPI00301280;	TMEM43	35	3.17E-134	0.099	13	14.8	Q2
IPI00005719;	RAB1A	24.4	2.03E-205	0.100	6	3.8	Q2
IPI00016801;	GLUD1	15.8	2.30E-52	0.100	8	8.2	Q2
IPI00005198;	ILF2	20.8	6.16E-112	0.101	11	18.0	Q2
IPI00743623;	AK5	3.6	6.88E-05	0.102	2	23.6	Q2
IPI00021728;	EIF2S2	11.4	5.12E-31	0.102	5	4.3	Q2
IPI00024933;	RPL12	50.9	5.69E-116	0.102	9	10.5	Q2
IPI00005648;	SAFB2	11.2	5.30E-36	0.102	8	20.8	Q2

IPI00025717;	MTX2	14.4	7.27E-42	0.103	2	1.7	Q2
IPI00304189;	OPTN	14.7	9.58E-29	0.103	10	13.5	Q2
IPI00334190;	STOML2	27.8	4.75E-66	0.103	7	26.4	Q2
IPI00927531;	AP1S1	3.7	4.12E-01	0.103	2	1.2	Q2
IPI00179757	KIF1C	1.8	3.52E-03	0.105	3	10.4	Q2
IPI00032851;	COPZ1	20.9	9.41E-74	0.105	4	7.3	Q2
IPI00008982;	ALDH18A1	27	5.08E-177	0.105	32	9.1	Q2
IPI00402183;	SYNCRIP	45.6	1.71E-187	0.105	48	49.9	Q2
IPI00382412;	BCAT1	5.3	1.72E-04	0.105	2	6.9	Q2
IPI00154451;	MMS19	3.6	1.70E-12	0.105	4	6.0	Q2
IPI00025252;	PDIA3	41.8	4.61E-218	0.106	49	37.1	Q2
IPI00020599;	CALR	43.4	7.03E-166	0.106	30	65.3	Q2
IPI00872597;	ZNF326	4.3	5.49E-22	0.106	2	2.3	Q2
IPI00412987;	GMFB	26.6	1.97E-20	0.106	3	5.8	Q2
IPI00031131;	APMAP	5.3	1.78E-05	0.107	2	19.5	Q2
IPI00221091;	RPS15A	32.3	8.44E-32	0.108	8	5.6	Q2
IPI00104050	THRAP3	16.8	6.72E-58	0.108	16	9.3	Q2
IPI00218465;	PLAA	17.2	9.06E-118	0.109	10	12.5	Q2
IPI00026850;	TSPO	18.3	1.49E-06	0.109	2	5.4	Q2
IPI00844000	KIAA0776	6.7	1.82E-47	0.109	6	10.0	Q2
IPI00827508;	RPL10A	42.9	2.07E-96	0.110	16	6.1	Q2
IPI00017283	IARS2	7.5	3.79E-19	0.110	12	12.3	Q2
IPI00006079;	BCLAF1	8.5	6.13E-10	0.111	10	22.5	Q2
IPI00791325;	KIAA0020	6.7	1.06E-14	0.114	4	9.0	Q2
IPI00025974	CHMP4B	15.6	2.07E-17	0.114	3	12.5	Q2
IPI00064193;	TMX3	12.1	1.66E-65	0.114	3	3.3	Q2
IPI00010105;	EIF6	30.2	9.67E-108	0.115	7	28.1	Q2
IPI00221093;	RPS17	38.5	1.05E-96	0.115	7	5.0	Q2
IPI00028946;	RTN3	15.3	5.05E-09	0.115	5	27.9	Q2
IPI00465308;	PIGS	11.5	1.13E-109	0.116	7	8.3	Q2
IPI00025285;	ATP6V1G1	42.4	1.88E-103	0.116	7	6.7	Q2
IPI00329791	DDX46	14.6	1.37E-56	0.116	14	7.6	Q2
IPI00376005;	EIF5A	69	5.19E-226	0.117	18	10.7	Q2

IPI00007426;	ARL6IP5	24.5	2.82E-29	0.117	12	60.5	Q2
IPI00383849;	PLCG1	2.6	2.97E-03	0.117	3	12.1	Q2
IPI00333913;	NBAS	2.7	8.60E-20	0.119	6	27.2	Q2
IPI00830108;	DNAJC2	4	4.82E-11	0.119	2	4.5	Q2
IPI00017451;	SF3A1	20.1	9.87E-39	0.119	17	9.5	Q2
IPI00456969;	DYNC1H1	47.5	<1.0E-304	0.119	336	63.6	Q2
IPI00917683;	SUMO1	15.8	3.50E-03	0.119	3	11.1	Q2
IPI00216308;	VDAC1	57.6	2.20E-113	0.120	22	17.1	Q2
IPI00807557;	PA2G4	15.5	2.39E-38	0.120	7	9.6	Q2
IPI00023591	PURA	5.3	3.23E-03	0.120	2	14.0	Q2
IPI00005969;	CAPZA1	35.7	5.68E-89	0.120	7	4.8	Q2
IPI00413100;	PHLDB1	2	1.06E-14	0.120	4	2.0	Q2
IPI00009070;	HBS1L	6	1.93E-31	0.121	3	2.4	Q2
IPI00384051;	PSME2	49.4	3.53E-115	0.121	11	5.5	Q2
IPI00783781;	NUP205	4.9	6.90E-23	0.121	11	9.4	Q2
IPI00003362;	HSPA5	52.7	<1.0E-304	0.121	135	43.6	Q2
IPI00749013;	UBE2D3	18.9	1.22E-05	0.122	2	11.0	Q2
IPI00301489;	UROD	9.5	1.54E-11	0.122	3	15.0	Q2
IPI00877662;	RAB13	10.7	4.14E-53	0.123	3	3.8	Q2
IPI00017596;	MAPRE1	26.1	2.01E-68	0.124	6	3.6	Q2
IPI00023530;	CDK5	5.5	3.55E-02	0.124	4	5.2	Q2
IPI00329512;	SNRPB	13.1	3.42E-38	0.124	8	42.0	Q2
IPI00903286;	SNRPD1	20.8	2.70E-59	0.124	4	2.6	Q2
IPI00013184;	ARD1A	12.3	4.22E-16	0.125	3	1.3	Q2
IPI00010153;	RPL23	45.7	4.88E-135	0.125	9	5.5	Q2
IPI00021840;	RPS6	31.7	2.17E-29	0.125	11	13.9	Q2
IPI00219155;	RPL27	34.6	1.49E-09	0.125	5	4.5	Q2
IPI00409635;	FAM62B	8.3	1.67E-71	0.126	7	13.7	Q2
IPI00031556;	U2AF2	17.5	5.12E-117	0.126	11	14.4	Q2
IPI00641107;	CAPZB	46	1.76E-58	0.126	20	9.0	Q2
IPI00009737;	RRAGD	5.8	1.42E-04	0.127	2	7.7	Q2
IPI00646954;	ENAH	11.6	2.20E-11	0.127	12	20.9	Q2
IPI00216919;	YAP2	5.4	2.77E-02	0.128	3	74.6	Q2

IPI00301364;	SKP1	16	6.42E-35	0.128	3	5.6	Q2
IPI00002460;	ANXA7	7.2	8.59E-10	0.128	3	83.0	Q2
IPI00002506;	ALG5	5.6	1.71E-09	0.129	2	9.0	Q2
IPI00019495;	DYNLT1	35.4	4.51E-34	0.130	3	7.7	Q2
IPI00026182;	CAPZA2	31.5	1.24E-58	0.130	9	55.1	Q2
IPI00003479;	MAPK1	38.3	4.18E-58	0.131	15	6.5	Q2
IPI00143753;	SR140	5.1	1.24E-53	0.131	6	9.1	Q2
IPI00915363;	RPS24	15.9	4.51E-49	0.131	8	13.5	Q2
IPI00008433;	RPS5	40.2	5.78E-133	0.131	13	68.8	Q2
IPI00872177;	PPP1CB	26.4	1.80E-121	0.131	12	13.1	Q2
IPI00007909	RABAC1	15.7	3.86E-15	0.132	2	18.2	Q2
IPI00873223;	UGP2	7.5	3.99E-15	0.132	4	10.0	Q2
IPI00013212;	CSK	4	5.31E-02	0.133	2	15.9	Q2
IPI00879750;	SNRPD3	22.9	5.95E-10	0.133	4	0.9	Q2
IPI00003519;	EFTUD2	31	<1.0E-304	0.134	32	6.3	Q2
IPI00150269;	PRPF4	7.3	1.12E-45	0.134	3	6.3	Q2
IPI00329596;	TMX2	10	6.13E-10	0.135	4	23.8	Q2
IPI00010720;	CCT5	40.3	2.42E-119	0.135	32	25.5	Q2
IPI00013068;	EIF3E	10.3	2.52E-90	0.135	4	9.8	Q2
IPI00011253;	RPS3	75.3	1.53E-131	0.136	36	37.8	Q2
IPI00013917;	RPS12	56.8	2.83E-163	0.136	11	7.3	Q2
IPI00221092;	RPS16	39	7.79E-15	0.137	10	4.7	Q2
IPI00017963;	SNRPD2	39.8	9.11E-38	0.137	5	6.4	Q2
IPI00011937;	PRDX4	29.2	4.12E-114	0.138	11	41.0	Q2
IPI00016249;	FXR1	11.4	1.60E-13	0.138	9	5.1	Q2
IPI00102897	RABL3	8.1	1.07E-04	0.138	2	10.4	Q2
IPI00002232	TAOK1	3.7	1.36E-12	0.138	3	142.8	Q2
IPI00003965;	USP7	5.5	1.05E-22	0.140	7	11.6	Q2
IPI00002857;	MAPK14	9.2	1.09E-02	0.140	3	32.0	Q2
IPI00027626;	CCT6A	36.9	1.10E-194	0.141	32	12.0	Q2
IPI00005657;	PFDN6	23.3	9.53E-04	0.142	3	16.7	Q2
IPI00221089	RPS13	36.4	2.26E-60	0.142	11	12.0	Q2
IPI00550021;	RPL3	24.8	4.75E-27	0.142	15	48.1	Q2

IPI00894287;	HDLBP	1.4	<1.0E-304	0.143	2	58.7	Q2
IPI00001676;	NPLOC4	11.8	6.70E-68	0.144	11	10.8	Q2
IPI00300127;	NAT10	10.8	4.47E-66	0.144	12	8.8	Q2
IPI00000494;	RPL5	40.4	1.67E-107	0.145	19	8.6	Q2
IPI00410162;	TCEB2	23	5.45E-05	0.145	6	17.0	Q2
IPI00887241;	RPS28	23.1	3.34E-21	0.146	3	4.2	Q2
IPI00216719;	ERC1	15.1	6.61E-92	0.147	16	14.2	Q2
IPI00014310;	CUL1	6.2	4.57E-28	0.148	5	12.3	Q2
IPI00917298;	RPL31	26.9	2.27E-33	0.148	6	5.1	Q2
IPI00333215;	TCEA1	15.6	4.89E-11	0.148	3	4.3	Q2
IPI00893743;	NRBP1	5.9	5.58E-13	0.148	3	1.3	Q2
IPI00879810;	SPTAN1	52.5	<1.0E-304	0.149	197	59.7	Q2
IPI00554742;	API5	31	4.96E-81	0.149	14	10.0	Q2
IPI00012750;	RPS25	29.6	1.52E-16	0.150	5	2.4	Q2
IPI00015195;	CSTF3	13.8	9.65E-123	0.150	10	16.3	Q2
IPI00871932;	SPTBN1	39.5	<1.0E-304	0.150	154	42.5	Q2
IPI00003269	ACTBL2	4.8	1.26E-70	0.150	11	51.4	Q2
IPI00220154;	MYO5A	2.2	1.21E-12	0.150	3	6.7	Q2
IPI00479058;	RPS15	55.2	1.85E-73	0.151	9	13.5	Q2
IPI00217952;	GFPT1	32.6	3.39E-216	0.151	28	17.7	Q2
IPI00021417;	SART1	7	4.22E-10	0.151	5	3.4	Q2
IPI00027463	S100A6	37.8	4.31E-58	0.151	5	9.4	Q2
IPI00397904;	NUP93	15	1.13E-40	0.151	12	15.9	Q2
IPI00290204;	SNRNP70	30.4	2.14E-28	0.152	14	20.3	Q2
IPI00016605;	C1orf123	10	5.47E-01	0.152	2	1.4	Q2
IPI00003783;	MAP2K2	7	8.83E-05	0.152	3	19.8	Q2
IPI00179438;	DAB2	12.5	5.45E-53	0.153	10	10.7	Q2
IPI00171844	COPS4	22.4	5.88E-79	0.153	9	8.0	Q2
IPI00298406;	HADH	26.2	2.29E-50	0.154	11	6.9	Q2
IPI00219518;	ARL1	22.7	8.15E-24	0.154	4	4.3	Q2
IPI00430472;	ASCC3	2.5	1.17E-23	0.154	5	16.9	Q2
IPI00301419;	COPS7A	18.9	3.54E-25	0.154	4	3.5	Q2
IPI00026942;	ERLIN2	43.1	4.09E-109	0.154	12	16.6	Q2

IPI00215780;	RPS19	43.4	3.80E-34	0.154	10	8.6	Q2
IPI00003918;	RPL4	16.2	3.56E-19	0.155	15	31.4	Q2
IPI00922223;	ATP6V0D1	13.3	4.11E-32	0.155	4	4.4	Q2
IPI00008964;	RAB1B	63.7	5.63E-215	0.156	21	8.8	Q2
IPI00008918;	LIMA1	32.9	2.79E-155	0.156	33	24.2	Q2
IPI00182289;	RPS29	46.4	4.65E-06	0.156	3	11.6	Q2
IPI00291093	POLR2E	23.8	2.15E-63	0.156	4	12.0	Q2
IPI00030275;	TRAP1	7.8	9.20E-47	0.156	7	5.5	Q2
IPI00014311;	CUL2	6.8	2.08E-10	0.156	6	6.9	Q2
IPI00307409	MRPL9	8.2	4.34E-04	0.157	2	0.8	Q2
IPI00011996;	UBE2Z	5.9	1.14E-10	0.157	2	27.8	Q2
IPI00873222;	CCT4	52.3	1.93E-284	0.157	43	13.0	Q2
IPI00291006;	MDH2	51.2	2.26E-239	0.158	20	20.3	Q2
IPI00016910;	EIF3C	30.7	2.72E-257	0.159	37	11.5	Q2
IPI00217563;	ITGB1	25.9	5.30E-159	0.159	54	14.1	Q2
IPI00010706;	GSS	6.3	4.83E-09	0.159	3	6.1	Q2
IPI00011250;	UCHL3	31.3	2.06E-39	0.160	5	8.4	Q2
IPI00418497;	TIMM50	11.2	1.33E-32	0.160	4	10.3	Q2
IPI00376756;	HMGB3	13	2.31E-20	0.160	3	8.6	Q2
IPI00872664;	USP14	29.3	8.54E-99	0.161	17	9.7	Q2
IPI00657805;	XRN1	1.9	2.96E-09	0.161	3	18.4	Q2
IPI00007001;	MRPL11	15.1	1.95E-37	0.161	2	3.8	Q2
IPI00923468;	SMARCA4	4	5.07E-35	0.162	7	16.6	Q2
IPI00872359;	DCTN1	25.6	1.36E-229	0.162	40	15.1	Q2
IPI00025273;	GART	20.7	2.62E-120	0.163	23	43.7	Q2
IPI00654569;	CAMK2D	13.7	1.19E-31	0.163	7	9.1	Q2
IPI00290566;	CCT1	50.2	3.10E-273	0.163	36	6.0	Q2
IPI00003377;	SFRS7	21	2.46E-31	0.163	7	11.6	Q2
IPI00009057;	G3BP2	11.4	5.91E-35	0.164	5	8.0	Q2
IPI00215919;	ARF5	13.9	4.11E-32	0.164	3	31.5	Q2
IPI00296211;	DYM	2.5	1.73E-06	0.164	2	11.2	Q2
IPI00215719;	RPL18	34.6	1.61E-48	0.164	7	18.5	Q2
IPI00030255;	PLOD3	30.4	7.12E-96	0.165	26	10.7	Q2

IPI00221088;	RPS9	53.1	3.79E-22	0.165	33	25.1	Q2
IPI00553185;	CCT3	54.7	2.65E-279	0.167	41	20.1	Q2
IPI00641948;	FUBP1	14.3	3.65E-35	0.167	15	35.2	Q2
IPI00299254	EIF5B	11.1	9.07E-185	0.167	14	15.6	Q2
IPI00218606;	RPS23	23.8	1.39E-15	0.168	6	10.7	Q2
IPI00026665;	QARS	24.8	1.29E-120	0.169	18	15.4	Q2
IPI00032038;	CPT1A	18.4	5.55E-46	0.169	15	19.8	Q2
IPI00328840;	THOC4	20.1	2.28E-87	0.169	4	5.7	Q2
IPI00646917;	NUDT21	35.7	3.37E-74	0.169	8	3.9	Q2
IPI00005537	MRPL12	17.7	9.73E-21	0.169	3	7.5	Q2
IPI00027009;	PACSIN2	16.5	4.77E-24	0.169	11	5.0	Q2
IPI00784090;	CCT8	51.1	1.49E-200	0.170	40	13.2	Q2
IPI00554590;	RAB3GAP2	14.1	1.86E-78	0.170	20	17.2	Q2
IPI00029266;	SNRPE	12	6.99E-09	0.170	2	1.2	Q2
IPI00871815;	LNPEP	9.9	2.21E-37	0.170	12	8.1	Q2
IPI00028387;	DDRKG1	14	1.28E-59	0.171	4	7.7	Q2
IPI00549189;	THOP1	6.5	4.14E-09	0.171	6	11.8	Q2
IPI00419373;	HNRNPA3	31.2	7.45E-130	0.172	11	6.6	Q2
IPI00014053;	TOMM40	6.6	2.73E-05	0.172	3	13.4	Q2
IPI00719752;	EIF3B	22.2	9.10E-89	0.172	28	14.6	Q2
IPI00219217;	LDHB	60.8	4.72E-202	0.172	39	25.2	Q2
IPI00141561;	COG1	1.5	7.42E-02	0.172	2	0.5	Q2
IPI00297477;	SNRPA1	24.3	1.91E-59	0.173	8	6.0	Q2
IPI00026202;	RPL18A	31.8	3.02E-37	0.174	11	6.6	Q2
IPI00218343;	TUBA1C	3.8	<1.0E-304	0.174	2	5.1	Q2
IPI00917629;	C2orf24	10.2	7.20E-02	0.174	2	39.0	Q2
IPI00409659;	UBQLN2	14.6	2.47E-61	0.174	10	10.1	Q2
IPI00069750;	PUF60	17.2	1.39E-35	0.175	9	7.1	Q2
IPI00294779;	VDAC3	21.1	2.60E-70	0.175	4	6.0	Q2
IPI00294158;	BLVRA	33.1	1.62E-31	0.175	7	8.8	Q2
IPI00377050;	COG5	1.6	1.35E-02	0.176	2	0.6	Q2
IPI00017448;	RPS21	63.9	7.87E-65	0.176	9	5.7	Q2
IPI00397366;	PPFIBP1	14.5	2.83E-83	0.176	15	7.0	Q2

IPI00007102;	C17orf25	15.9	4.80E-22	0.178	8	10.8	Q2
IPI00004273;	RBM25	12.6	5.48E-14	0.180	9	8.0	Q2
IPI00456940;	RPL7L1	9.8	6.87E-09	0.181	3	14.7	Q2
IPI00604464;	UBE3C	8.5	3.16E-23	0.181	10	18.2	Q2
IPI00828189;	PCMT1	62.7	1.34E-140	0.181	14	75.8	Q2
IPI00019329	DYNLL1	46.1	1.94E-15	0.181	5	5.4	Q2
IPI00396378;	HNRNPA2B1	51.6	1.12E-246	0.181	37	46.8	Q2
IPI00032533	WDR18	4.6	1.35E-05	0.182	2	0.1	Q2
IPI00235412;	DNM1L	25.3	1.31E-154	0.182	21	21.3	Q2
IPI00646493;	COPA	46.7	<1.0E-304	0.182	82	69.0	Q2
IPI00156689;	VAT1	43.8	4.59E-217	0.183	30	21.5	Q2
IPI00004968	PRPF19	5.2	2.43E-07	0.183	2	14.8	Q2
IPI00456048;	COMMD2	15.6	4.07E-06	0.183	3	12.4	Q2
IPI00760846;	MYO18A	1.9	1.64E-04	0.183	5	15.1	Q2
IPI00005822;	CDC23	6.9	2.95E-23	0.184	4	22.2	Q2
IPI00014938;	SARNP	31.9	3.11E-74	0.185	6	5.8	Q2
IPI00398009;	IPO4	11.5	5.60E-121	0.185	13	38.4	Q2
IPI00744319;	PRRC1	4.7	8.48E-13	0.185	3	8.4	Q2
IPI00303207	ABCE1	28.7	1.85E-129	0.185	15	4.5	Q2
IPI00872668;	NIT2	12.7	2.43E-46	0.186	4	8.2	Q2
IPI00025329;	RPL19	27	6.14E-69	0.187	10	7.4	Q2
IPI00916847;	OLA1	15.4	3.50E-39	0.187	6	8.5	Q2
IPI00472171;	RPL7	57.9	2.93E-96	0.188	24	6.6	Q2
IPI00395939;	PITPNB	18.3	3.44E-18	0.188	5	5.7	Q2
IPI00790214;	RCN2	9.3	8.27E-56	0.188	2	6.9	Q2
IPI00396630;	PRKACA	3.4	6.10E-21	0.191	2	0.2	Q2
IPI00386271;	SLC25A12	9.1	3.98E-70	0.191	7	40.0	Q2
IPI00243221;	NRD1	16.9	3.71E-103	0.192	22	6.0	Q2
IPI00410693;	SERBP1	7.1	8.64E-02	0.193	2	36.7	Q2
IPI00140420;	SND1	51.8	<1.0E-304	0.193	92	12.0	Q2
IPI00554705;	DCTD	15.9	1.35E-09	0.193	4	9.5	Q2
IPI00013296;	RPS18	58.6	4.73E-45	0.193	19	7.4	Q2
IPI00298961;	XPO1	28.9	1.51E-184	0.193	57	15.6	Q2

IPI00004668;	FUT8	5	1.93E-05	0.194	3	4.8	Q2
IPI00021808;	HARS	14.1	3.42E-29	0.194	8	6.9	Q2
IPI00215790;	RPL38	50	4.18E-32	0.195	7	6.9	Q2
IPI00015361;	PFDN5	42.9	2.54E-183	0.197	5	14.0	Q2
IPI00172580;	NUP54	8.7	5.47E-32	0.197	4	0.8	Q2
IPI00479786;	KHSRP	19	4.53E-71	0.197	24	47.8	Q2
IPI00000875;	EEF1G	17	1.66E-42	0.198	12	62.5	Q2
IPI00216730;	HIST2H2AB	28.5	3.61E-66	0.199	6	10.0	Q2
IPI00376798;	RPL11	36.5	1.35E-38	0.199	9	8.5	Q2
IPI00641788;	SNRPC	6.7	3.26E-15	0.199	2	20.1	Q2
IPI00013415;	RPS7	45.4	1.19E-24	0.199	20	13.2	Q2
IPI00639841;	PECI	10.2	8.37E-19	0.199	4	6.3	Q2
IPI00028481;	RAB8A	19.8	1.31E-74	0.200	7	30.8	Q2
IPI00074587;	FUSIP1	14.9	3.90E-51	0.200	4	13.6	Q2
IPI00306604	ITGA5	15.3	9.90E-135	0.200	13	8.4	Q2
IPI00003833	MTCH2	30.7	1.04E-68	0.201	12	5.3	Q2
IPI00220754;	ADD3	13.2	2.39E-97	0.201	11	11.0	Q2
IPI00643166;	PGM3	21	1.47E-46	0.202	14	27.1	Q2
IPI00844578;	DHX9	39.8	<1.0E-304	0.202	82	32.8	Q2
IPI00022774;	VCP	51.4	<1.0E-304	0.202	93	26.5	Q2
IPI00220373;	IDE	6.3	1.25E-08	0.202	7	23.5	Q2
IPI00291467;	SLC25A6	48	8.56E-117	0.203	33	24.4	Q2
IPI00550308	RBM12	2.7	1.05E-02	0.203	3	20.6	Q2
IPI00008527	RPLP1	65.8	3.09E-127	0.203	4	5.7	Q2
IPI00005087	TMOD3	11.9	8.32E-48	0.203	4	1.9	Q2
IPI00001639;	KPNB1	36.6	<1.0E-304	0.203	63	33.3	Q2
IPI00163505;	RBM39	11.7	1.40E-87	0.204	6	5.9	Q2
IPI00015423;	MAP1LC3A	16.8	3.39E-03	0.205	2	7.0	Q2
IPI00549664;	TEX10	3.3	3.56E-18	0.205	2	3.5	Q2
IPI00033130;	SAE1	18.8	1.03E-09	0.205	5	5.5	Q2
IPI00549672;	PSMD13	27.9	7.55E-83	0.205	12	13.6	Q2
IPI00015018;	PPA1	41.5	5.10E-132	0.206	9	17.0	Q2
IPI00025366;	CS	6	2.38E-09	0.206	3	24.0	Q2

IPI00019927	PSMD7	34.6	1.90E-83	0.207	10	10.0	Q2
IPI00185919;	LARP1	11.9	8.85E-72	0.208	14	9.5	Q2
IPI00002525	NENF	17.4	1.42E-03	0.208	3	3.5	Q2
IPI00027270;	RPL26	13.8	3.63E-15	0.208	4	10.4	Q2
IPI00514926;	GUK1	14.4	5.26E-06	0.208	2	7.1	Q2
IPI00006440	MRPS7	10.7	2.12E-06	0.208	2	3.4	Q2
IPI00099550;	UBQLN1	9.2	4.21E-30	0.208	4	9.8	Q2
IPI00003923;	UMPS	4.2	7.35E-05	0.209	2	56.9	Q2
IPI00163230;	COPS6	8.3	9.50E-03	0.209	3	2.5	Q2
IPI00299024;	BASP1	46.3	9.18E-34	0.209	9	23.9	Q2
IPI00008868;	MAP1B	32.1	<1.0E-304	0.209	94	63.7	Q2
IPI00872214;	TBCA	32.1	1.34E-33	0.210	6	15.4	Q2
IPI00749005;	SYNE1	0.9	1.95E-17	0.210	7	11.7	Q2
IPI00874235;	ERGIC1	20.2	5.08E-16	0.210	5	9.6	Q2
IPI00306933;	MYO9B	4.1	4.96E-28	0.210	8	14.1	Q2
IPI00171438;	TXNDC5	19	2.10E-56	0.210	11	20.3	Q2
IPI00784154;	HSPD1	56.2	<1.0E-304	0.210	59	18.8	Q2
IPI00894498;	ACTB	4.5	<1.0E-304	0.211	8	83.3	Q2
IPI00031397;	ACSL3	16.1	3.71E-120	0.211	12	6.1	Q2
IPI00301618;	SDCCAG1	5.4	3.93E-04	0.211	6	8.9	Q2
IPI00014151;	PSMD6	19	1.75E-23	0.214	8	10.6	Q2
IPI00012268;	PSMD2	31.7	3.83E-198	0.214	30	22.8	Q2
IPI00642374;	UCHL5	6.8	3.33E-06	0.215	2	9.1	Q2
IPI00025091;	RPS11	47.5	6.38E-34	0.215	11	5.1	Q2
IPI00024670;	REEP5	19.6	1.29E-17	0.216	5	14.4	Q2
IPI00910816;	SNW1	4.4	9.25E-02	0.216	2	8.6	Q2
IPI00337386;	PRPF40A	6.8	3.62E-38	0.216	8	4.7	Q2
IPI00297579;	CBX3	33.3	7.93E-71	0.217	11	7.3	Q2
IPI00024976	TOMM22	22.5	7.72E-60	0.217	4	8.9	Q2
IPI00640088;	CSNK2B	24.4	5.56E-28	0.218	5	10.3	Q2
IPI00093057	CPOX	4.8	1.51E-16	0.218	2	5.8	Q2
IPI00158615;	THOC2	2.8	7.54E-42	0.219	6	179.5	Q2
IPI00298058;	SUPT5H	7.8	1.35E-29	0.219	7	11.5	Q2

IPI00304612;	RPL13A	40.9	4.25E-56	0.220	11	12.3	Q2
IPI00644079;	HNRNPU	31.9	1.42E-147	0.220	63	9.8	Q2
IPI00465294;	CDC5L	5.9	2.26E-06	0.220	3	2.0	Q2
IPI00219861;	ACP1	14.6	2.14E-13	0.220	4	8.0	Q2
IPI00021831;	PRKAR1A	14.7	3.75E-59	0.220	6	11.0	Q2
IPI00014149	TTC35	10.4	9.72E-17	0.221	2	18.8	Q2
IPI00102962;	CNPY4	17.3	1.49E-20	0.222	3	14.0	Q2
IPI00419880;	RPS3A	61.4	3.26E-140	0.223	38	8.9	Q2
IPI00719725;	SAPS3	2.8	4.10E-04	0.223	2	6.2	Q2
IPI00100673;	VPS24	9.5	3.32E-16	0.224	2	6.7	Q2
IPI00294955	LSM4	17.3	2.43E-13	0.225	4	30.9	Q2
IPI00022648	EIF5	6.7	3.51E-05	0.225	3	2.1	Q2
IPI00647635;	GIGYF2	4.8	4.03E-29	0.227	5	24.3	Q2
IPI00747810;	FSCN1	27	1.23E-99	0.227	18	14.4	Q2
IPI00301323	DDX18	5.4	7.00E-11	0.228	4	11.2	Q2
IPI00030702;	IDH3A	17.2	2.22E-17	0.228	6	27.4	Q2
IPI00003327	ARL3	27.5	1.66E-19	0.229	4	5.3	Q2
IPI00419844;	USP39	7.6	1.63E-27	0.229	4	8.2	Q2
IPI00289357	ULK1	0.7	1.39E-01	0.230	6	113.6	Q2
IPI00027988	CTCF	2.5	2.15E-57	0.231	2	2.6	Q2
IPI00922415;	SSBP1	14.5	1.96E-41	0.231	3	6.0	Q2
IPI00374804	DGKD	1	1.00E+00	0.232	2	1.8	Q2
IPI00221106;	SF3B2	23.8	1.14E-113	0.232	23	22.0	Q2
IPI00018465;	CCT7	52.3	7.46E-260	0.232	44	37.0	Q2
IPI00894417;	DASS	1.7	5.83E-03	0.232	2	17.0	Q2
IPI00010346;	NLN	4.1	1.47E-05	0.233	3	7.0	Q2
IPI00000728;	USP15	5.8	5.73E-25	0.233	5	9.8	Q2
IPI00173359;	UACA	5.8	7.01E-60	0.233	9	13.0	Q2
IPI00290460	EIF3G	10	8.35E-38	0.234	3	9.2	Q2
IPI00016912	TTC1	5.8	6.73E-03	0.235	2	0.8	Q2
IPI00022824;	SH3GLB1	18.4	1.62E-27	0.235	8	15.7	Q2
IPI00221300;	EIF2B1	14.4	6.20E-20	0.235	6	6.2	Q2
IPI00925656;	MRPS17	16.9	1.99E-10	0.237	2	8.5	Q2

IPI00297779;	CCT2	35	6.23E-173	0.237	27	14.0	Q2
IPI00329801;	ANXA5	81.9	<1.0E-304	0.237	106	49.1	Q2
IPI00291200;	NUP133	15.6	2.04E-136	0.237	15	18.1	Q2
IPI00032561;	CAB39	9.7	6.75E-05	0.238	5	3.3	Q2
IPI00738765;	KIAA1949	2.8	3.14E-02	0.238	2	6.3	Q2
IPI00746351;	DIS3	7.1	1.06E-22	0.239	7	8.9	Q2
IPI00217553	MRPL41	12.4	2.92E-04	0.239	2	8.0	Q2
IPI00021570;	EDF1	20.9	2.92E-06	0.239	3	13.0	Q2
IPI00397571;	NSFL1C	10.2	1.79E-31	0.240	3	2.4	Q2
IPI00012340;	SFRS9	24.9	9.95E-11	0.240	8	9.1	Q2
IPI00298928;	SHOC2	3.6	9.47E-20	0.241	2	6.8	Q2
IPI00395748;	ACOT7	17.6	4.14E-41	0.241	5	4.7	Q2
IPI00006052	PFDN2	24	1.05E-30	0.241	5	8.5	Q2
IPI00152890;	NOL6	3.4	1.38E-04	0.242	3	7.8	Q2
IPI00514053;	ARCN1	38.6	1.55E-95	0.242	26	18.1	Q2
IPI00009236;	CAV1	43.8	2.79E-47	0.242	13	17.4	Q2
IPI00019385	SSR4	12.5	4.94E-21	0.244	3	4.6	Q2
IPI00853598;	SEC13	13	2.66E-42	0.245	4	5.9	Q2
IPI00031768	HOOK3	3.8	5.21E-44	0.248	5	10.2	Q2
IPI00026337;	RANBP3	7.6	1.43E-10	0.248	3	2.6	Q2
IPI00549248;	NPM1	44.2	2.38E-144	0.249	30	48.2	Q2
IPI00027252;	PHB2	49.8	3.17E-130	0.249	21	8.6	Q2
IPI00218466;	SEC61A1	25.5	2.94E-39	0.251	11	16.7	Q2
IPI00024364;	TNPO1	15.1	2.24E-39	0.251	12	10.5	Q2
IPI00009958;	COPS5	4.8	1.38E-02	0.252	2	3.1	Q2
IPI00296147;	TMEM119	11.3	6.40E-23	0.252	4	37.5	Q2
IPI00465432;	NOMO2	27.7	1.29E-162	0.253	32	8.7	Q2
IPI00000634;	CCDC6	8.4	1.66E-20	0.253	4	5.0	Q2
IPI00294879;	RANGAP1	29	1.43E-134	0.254	24	55.6	Q2
IPI00604620;	NCL	28.7	1.60E-269	0.255	43	41.0	Q2
IPI00296421	EHBP1L1	2.2	9.74E-10	0.255	3	24.7	Q2
IPI00152695;	WDR82	8.6	1.41E-90	0.256	2	10.1	Q2
IPI00844264;	DKFZp779B0247	7.4	9.20E-15	0.256	9	7.5	Q2

IPI00164005;	COG7	3.5	1.87E-03	0.256	2	3.6	Q2
IPI00013485;	RPS2	35.5	4.77E-61	0.256	21	26.6	Q2
IPI00043598	IKIP	15.1	3.08E-64	0.258	6	4.3	Q2
IPI00293026;	EFTUD1	8.9	1.91E-136	0.258	9	25.6	Q2
IPI00218448;	H2AFZ	18.8	4.07E-12	0.258	3	5.4	Q2
IPI00102069;	EIF3M	29.9	3.24E-105	0.259	10	10.1	Q2
IPI00173346	PGM2L1	5	7.72E-04	0.259	3	102.5	Q2
IPI00221234;	ALDH7A1	13.7	7.16E-85	0.259	7	6.1	Q2
IPI00008569;	YKT6	28.8	2.23E-19	0.260	6	10.3	Q2
IPI00029764;	SF3A3	12.6	1.50E-36	0.260	8	3.2	Q2
IPI00479191;	HNRNPH1	26.1	4.87E-156	0.260	11	66.9	Q2
IPI00010860;	PSMD9	19.3	9.67E-16	0.261	5	4.8	Q2
IPI00008454;	DNAJB11	11.7	8.26E-64	0.262	5	14.7	Q2
IPI00218858;	MAP2K3	9.1	1.08E-19	0.263	3	3.7	Q2
IPI00413517;	ARHGEF10	2.4	3.44E-03	0.263	4	14.5	Q2
IPI00016342;	RAB7A	75.8	3.59E-225	0.264	33	10.7	Q2
IPI00396435	DHX15	13.8	2.88E-38	0.264	17	46.0	Q2
IPI00159899;	ANKFY1	12.1	3.74E-62	0.265	14	5.6	Q2
IPI00007676	HSD17B12	17.3	4.07E-44	0.266	6	4.9	Q2
IPI00056357	C19orf10	12.1	3.66E-18	0.266	2	9.3	Q2
IPI00221222	SUB1	31.5	3.27E-17	0.267	7	3.3	Q2
IPI00304742	STK10	6.9	7.14E-123	0.267	5	7.1	Q2
IPI00298994;	TLN1	60.2	<1.0E-304	0.267	349	65.8	Q2
IPI00010896;	CLIC1	65.1	2.90E-188	0.267	24	20.7	Q2
IPI00024934	MUT	2.4	6.26E-02	0.268	2	1.4	Q2
IPI00009315	ACBD3	27.5	2.93E-60	0.269	17	13.2	Q2
IPI00922443;	TBCE	4.5	4.40E-30	0.269	2	5.0	Q2
IPI00217272;	AACS	4.2	2.42E-03	0.270	3	3.9	Q2
IPI00028109;	DPY30	36.4	4.99E-34	0.270	3	7.4	Q2
IPI00004436;	LSM1	17.3	7.11E-23	0.270	2	2.2	Q2
IPI00289601;	HDAC2	9.3	2.01E-21	0.271	8	13.5	Q2
IPI00101037	RCN3	24.7	1.03E-107	0.271	12	12.9	Q2
IPI00291608;	PCNP	19.7	1.04E-07	0.271	3	14.5	Q2

IPI00029012	EIF3A	34.3	<1.0E-304	0.272	70	54.9	Q2
IPI00927682;	RAB3GAP1	17.6	1.47E-72	0.272	15	9.7	Q2
IPI00007084	SLC25A13	20.7	4.09E-89	0.272	15	8.0	Q2
IPI00793443	IPO5	38.9	<1.0E-304	0.272	70	39.9	Q2
IPI00889196;	UQCRFSL1	13.4	1.08E-20	0.274	3	2.8	Q2
IPI00914048;	C11orf68	6.8	1.22E-02	0.274	2	8.5	Q2
IPI00034049;	UPF1	35.6	9.84E-204	0.276	41	8.2	Q2
IPI00477040;	NUP188	3.3	8.91E-11	0.277	6	27.5	Q2
IPI00911038	MYH9	9.8	1.31E-58	0.277	10	17.1	Q2
IPI00008380;	PPP2CA	18.1	1.42E-74	0.278	6	9.2	Q2
IPI00014230;	C1QBP	26.2	8.75E-106	0.278	7	6.9	Q2
IPI00290142;	CTPS	21.7	3.89E-177	0.278	17	17.6	Q2
IPI00029731;	RPL35A	34.5	9.91E-03	0.279	7	8.1	Q2
IPI00107555;	PFN2	9	3.83E-04	0.279	2	9.1	Q2
IPI00031627	POLR2A	1.3	9.95E-04	0.280	3	20.9	Q2
IPI00555647;	TRA2B	14.9	3.57E-33	0.280	4	17.0	Q2
IPI00655754;	UFD1L	14	6.40E-26	0.281	4	7.7	Q2
IPI00299033;	KPNA3	4.2	2.27E-45	0.281	3	5.0	Q2
IPI00032206;	PDLIM4	15.5	7.50E-14	0.282	5	12.7	Q2
IPI00031023;	FLII	18.4	7.77E-165	0.282	22	30.2	Q2
IPI00604590;	NME1-NME2	55.1	2.75E-199	0.283	27	8.0	Q2
IPI00217030;	RPS4X	53.2	2.47E-119	0.284	24	10.5	Q2
IPI00220007;	APOL2	10.6	7.18E-16	0.284	3	1.1	Q2
IPI00514275;	TNIK	2.9	4.38E-23	0.284	8	44.2	Q2
IPI00419258;	HMGB1	38.6	2.26E-150	0.285	19	6.9	Q2
IPI00883647;	IK	3.1	8.45E-03	0.285	2	16.8	Q2
IPI00029159	MRE11A	9	1.61E-57	0.287	7	11.5	Q2
IPI00029468;	ACTR1A	27.4	5.66E-111	0.287	11	27.3	Q2
IPI00922855;	TUBGCP2	3.5	1.03E-21	0.287	3	1.0	Q2
IPI00400922	PDCD11	4.6	9.77E-26	0.288	8	39.1	Q2
IPI00100106;	RIC8A	16.4	1.85E-49	0.289	9	34.0	Q2
IPI00107357;	CLPTM1	2.5	6.73E-03	0.289	2	13.8	Q2
IPI00409671;	DDX42	16.3	1.34E-29	0.290	14	15.5	Q2

IPI00337397;	NUP98	1	2.40E-05	0.290	2	0.4	Q2
IPI00008530;	RPLP0	53.3	6.06E-245	0.291	22	25.3	Q2
IPI00328748;	ARMET	18.4	5.53E-14	0.291	7	21.9	Q2
IPI00376344;	MYO1B	33.9	<1.0E-304	0.292	38	7.3	Q2
IPI00448798;	CSNK1A1	11.8	1.19E-15	0.292	3	2.8	Q2
IPI00456630;	FNDC3A	4.3	1.65E-15	0.294	4	11.4	Q2
IPI00796891;	GOLGB1	3	2.70E-97	0.295	7	13.4	Q2
IPI00021370;	UBE2K	20	7.20E-27	0.295	3	1.2	Q2
IPI00031836;	DRG1	20.2	3.51E-40	0.296	5	7.5	Q2
IPI00219097	HMGB2	19.6	1.50E-41	0.296	8	7.5	Q2
IPI00005861;	PRPF3	2.5	2.58E-02	0.297	2	9.0	Q2
IPI00291928;	RAB14	53	6.44E-75	0.298	13	11.5	Q2
IPI00878611;	RANBP1	25.4	6.17E-19	0.299	5	5.7	Q2
IPI00413895;	GOLGA2	7.3	1.48E-29	0.299	7	8.5	Q2
IPI00294891;	NOP2	8.1	1.97E-64	0.300	6	25.3	Q2
IPI00289499;	ATIC	51.9	2.02E-258	0.300	29	18.1	Q2
IPI00220416;	UQCRB	27	7.00E-30	0.300	3	14.5	Q2
IPI00005490;	GOLPH3	9.7	4.73E-25	0.302	3	16.5	Q2
IPI00219420	SMC3	26.5	2.46E-110	0.302	31	22.0	Q2
IPI00644674;	NUBP2	8.5	1.42E-07	0.303	2	0.9	Q2
IPI00013122	CDC37	17.5	3.13E-47	0.306	6	8.7	Q2
IPI00184546	C12orf23	38.8	1.63E-32	0.307	4	8.3	Q2
IPI00395887;	TMX1	16.8	3.32E-40	0.308	6	2.9	Q2
IPI00397229;	CD97	3.4	4.52E-03	0.310	2	4.4	Q2
IPI00072534;	UNC45A	4.9	2.33E-18	0.310	4	11.8	Q2
IPI00220628;	AKAP9	0.6	1.00E-02	0.310	3	5.1	Q2
IPI00032342;	TRIP12	1.2	2.90E-29	0.310	2	19.8	Q2
IPI00647650;	EIF3H	21.9	5.78E-20	0.311	8	9.3	Q2
IPI00215918;	ARF4	35.6	5.44E-99	0.311	10	3.7	Q2
IPI00890743;	PPP6C	15.5	2.39E-19	0.311	5	19.2	Q2
IPI00871176;	NIPSNAP3A	19.1	6.73E-13	0.312	6	8.5	Q2
IPI00009235	SSR3	7.1	1.42E-15	0.312	2	0.1	Q2
IPI00005613;	U2AF1	21.2	1.63E-50	0.313	5	7.9	Q2

IPI00062120	S100A16	26.2	5.40E-44	0.316	3	5.2	Q2
IPI00024320;	RBM3	41.4	2.53E-55	0.316	4	7.2	Q2
IPI00009328	EIF4A3	9	3.51E-36	0.317	4	11.1	Q2
IPI00305383	UQCRC2	25.8	1.13E-117	0.317	11	19.4	Q2
IPI00429191	ETF1	11.9	1.39E-44	0.320	6	8.1	Q2
IPI00299084	TMEM33	8.5	2.96E-18	0.320	3	10.8	Q2
IPI00644708;	TIAL1	10.2	1.46E-09	0.321	5	7.9	Q2
IPI00844214;	CTNBL1	4.6	5.07E-03	0.322	3	3.6	Q2
IPI00151462;	MAP1LC3B2	11.2	3.77E-02	0.323	2	4.0	Q2
IPI00026271	RPS14	32.5	1.05E-32	0.323	6	8.4	Q2
IPI00012442;	G3BP1	21.9	3.54E-73	0.324	12	9.1	Q2
IPI00003438	DNAJC8	17.4	6.01E-04	0.324	4	9.4	Q2
IPI00418169;	DKFZp686P03159	74.2	<1.0E-304	0.325	92	40.5	Q2
IPI00175096;	TTC9C	8.8	4.84E-02	0.325	2	6.1	Q2
IPI00020075	ABHD10	15.7	2.22E-49	0.326	3	9.5	Q2
IPI00002149	SAR1B	11.6	6.36E-24	0.326	3	20.9	Q2
IPI00879742	ARFGAP3	17.8	5.81E-70	0.327	7	101.8	Q2
IPI00014456;	STRN	4.4	2.77E-04	0.327	4	15.5	Q2
IPI00329385;	MTMR6	4.2	5.83E-03	0.327	2	17.8	Q2
IPI00013949;	SGTA	18.5	2.62E-54	0.327	5	23.9	Q2
IPI00218493;	HPRT1	27.5	2.72E-50	0.328	5	7.9	Q2
IPI00017367;	RDX	23	1.51E-96	0.328	11	10.2	Q2
IPI00513853;	STX12	24.7	6.33E-82	0.328	6	12.4	Q2
IPI00513761;	RP3	15	1.38E-27	0.330	4	8.5	Q2
IPI00016613;	CSNK2A1	10.3	1.43E-09	0.330	3	2.7	Q2
IPI00220158;	ADD1	12.9	2.91E-85	0.331	13	8.9	Q2
IPI00410215;	BPNT1	5.8	8.88E-10	0.332	2	3.2	Q2
IPI00019169;	SH3GL1	7.6	1.41E-06	0.332	3	10.4	Q2
IPI00329696;	FAM82B	12.7	2.99E-16	0.334	4	15.4	Q2
IPI00292020	SRM	27.2	1.75E-48	0.334	7	44.7	Q2
IPI00185146	IPO9	23.3	1.61E-175	0.335	28	41.4	Q2
IPI00465160;	ABCF3	3	1.57E-17	0.335	2	13.0	Q2
IPI00005104;	CHUK	2.3	1.31E-01	0.336	2	25.8	Q2

IPI00783982;	COPG	38.1	<1.0E-304	0.337	49	64.8	Q2
IPI00291783	GEMIN5	1.7	2.69E-04	0.340	4	2.5	Q2
IPI00029264	CYC1	8.6	1.90E-13	0.340	2	2.4	Q2
IPI00382470;	HSP90AA1	46.7	<1.0E-304	0.341	125	34.9	Q2
IPI00001159;	GCN1L1	30.7	<1.0E-304	0.341	121	27.2	Q2
IPI00386189;	NARG1	5.2	6.34E-12	0.342	5	5.8	Q2
IPI00009949;	PSMF1	12.9	1.46E-31	0.343	4	11.4	Q2
IPI00022254;	ATG3	19.1	2.80E-45	0.344	5	7.5	Q2
IPI00401264	ERP44	10.8	6.17E-29	0.344	5	30.1	Q2
IPI00017469;	SPR	21.1	1.77E-121	0.345	4	10.4	Q2
IPI00008728	CLPX	11.5	5.16E-29	0.346	6	5.6	Q2
IPI00013721;	PRPF4B	3.8	1.94E-34	0.347	3	95.5	Q2
IPI00007755	RAB21	17.3	1.21E-78	0.347	4	12.4	Q2
IPI00015956;	EXOSC3	8	9.36E-04	0.348	2	32.3	Q2
IPI00025721;	COPS3	10.6	2.18E-28	0.348	3	9.0	Q2
IPI00641990;	LAS1L	4.2	7.03E-52	0.349	2	5.0	Q2
IPI00015947;	DNAJB1	10	2.71E-03	0.349	3	1.6	Q2
IPI00003870	CLPP	13.7	2.48E-54	0.350	3	4.9	Q2
IPI00221235;	NUP160	7	6.54E-60	0.352	10	7.9	Q2
IPI00219678;	EIF2S1	16.5	2.01E-20	0.352	6	4.9	Q2
IPI00001661;	RCC1	5.3	2.15E-03	0.352	3	8.1	Q2
IPI00216592;	HNRNPC	46.1	1.36E-142	0.353	28	33.5	Q2
IPI00012795	EIF3I	17.5	2.14E-14	0.353	5	6.2	Q2
IPI00022462;	TFRC	27	8.16E-170	0.354	39	52.2	Q2
IPI00014898;	PLEC1	58.6	<1.0E-304	0.354	541	69.3	Q2
IPI00014898;	PLEC1	58.6	<1.0E-304	0.354	541	69.3	Q2
IPI00644712;	XRCC6	51.7	<1.0E-304	0.354	57	15.7	Q2
IPI00029723;	FSTL1	9.1	2.89E-13	0.356	4	25.3	Q2
IPI00303292;	KPNA1	8.6	4.18E-22	0.356	4	16.8	Q2
IPI00029737;	ACSL4	11.4	6.15E-81	0.356	8	12.1	Q2
IPI00028083	EIF2B2	5.1	1.01E-46	0.357	2	3.3	Q2
IPI00032460;	LSM2	35.8	8.84E-82	0.357	4	7.3	Q2
IPI00006715;	RAD21	3.3	4.96E-04	0.359	2	13.1	Q2

IPI00220219;	COPB2	29.7	6.53E-125	0.360	35	59.1	Q2
IPI00016610	PCBP1	38.8	8.48E-101	0.360	14	20.6	Q2
IPI00218342	MTHFD1	2.7	1.10E-293	0.360	2	11.7	Q2
IPI00294536;	STRAP	33.9	1.39E-107	0.361	11	19.6	Q2
IPI00220362;	HSPE1	62.7	7.97E-71	0.361	11	5.1	Q2
IPI00789551;	MATR3	30.9	1.31E-179	0.361	46	15.9	Q2
IPI00026089;	SF3B1	27.1	2.74E-253	0.362	33	12.4	Q2
IPI00790530;	NUP85	5	1.76E-15	0.363	2	5.2	Q2
IPI00171412;	SUMF2	25.9	4.28E-33	0.364	10	7.8	Q2
IPI00796337;	PCBP2	21	1.77E-108	0.365	6	21.1	Q2
IPI00641950;	GNB2L1	63.6	1.72E-185	0.366	32	25.5	Q2
IPI00855820;	MON2	2.1	1.52E-08	0.367	5	25.4	Q2
IPI00396321	LRRC59	36.2	3.53E-134	0.370	16	37.4	Q2
IPI00168388;	SRP68	26.3	9.54E-62	0.370	15	32.1	Q2
IPI00642032;	TXNL1	16.3	1.58E-54	0.372	6	4.8	Q2
IPI00000792;	CRYZ	13.4	3.24E-13	0.372	4	86.8	Q2
IPI00015102;	ALCAM	19.9	1.12E-43	0.373	9	11.3	Q2
IPI00927614;	GOLGA4	4.3	2.50E-31	0.374	9	7.6	Q2
IPI00784119;	ATP6AP1	6.4	7.32E-07	0.375	3	13.7	Q2
IPI00009542;	MAGED2	3.3	1.07E-04	0.376	2	7.1	Q2
IPI00005978;	SFRS2	16.7	5.88E-07	0.376	6	43.2	Q2
IPI00292771;	NUMA1	24.5	<1.0E-304	0.378	42	22.1	Q2
IPI00013862;	DTYMK	17.9	2.79E-12	0.379	5	5.8	Q2
IPI00004669;	GALNT2	21.4	1.77E-128	0.379	11	6.9	Q2
IPI00031169;	RAB2A	58	3.04E-124	0.380	21	10.1	Q2
IPI00301936;	ELAVL1	22.1	4.40E-83	0.382	9	8.3	Q2
IPI00639925;	XPO6	1.8	1.43E-11	0.384	2	28.4	Q2
IPI00329662;	FAM114A2	6.5	6.12E-02	0.384	3	19.4	Q2
IPI00220827	TMSB10	31.8	1.42E-15	0.384	2	4.4	Q2
IPI00794221;	DBN1	22.3	1.38E-81	0.385	16	15.2	Q2
IPI00013872;	KDELR3	7.9	1.73E-04	0.385	4	24.7	Q2
IPI00215965;	HNRNPA1	35.2	1.44E-217	0.386	21	18.9	Q2
IPI00394668;	ADAR	6.5	1.73E-36	0.388	12	23.2	Q2

IPI00029557;	GRPEL1	14.3	1.82E-14	0.390	4	5.1	Q2
IPI00216654;	NOLC1	6.3	5.85E-07	0.390	6	4.6	Q2
IPI00847689;	HTATIP2	11.6	1.59E-06	0.390	2	57.5	Q2
IPI00240812;	PDS5B	3.9	9.75E-04	0.392	6	6.0	Q2
IPI00215613	ITGA11	1.8	1.84E-02	0.392	2	23.2	Q2
IPI00384643;	TP53I3	12.3	3.18E-24	0.392	4	5.2	Q2
IPI00028122;	PSIP1	3.8	3.04E-03	0.393	3	10.4	Q2
IPI00856008;	HIGD1A	20.6	1.71E-17	0.394	2	17.0	Q2
IPI00386258;	MTCH1	5.4	1.98E-14	0.394	2	13.8	Q2
IPI00217950;	HMG2	30	1.06E-02	0.395	3	13.0	Q2
IPI00647217;	SKIV2L2	12.3	7.63E-64	0.395	13	10.7	Q2
IPI00333770;	DOCK10	1.8	9.78E-04	0.397	4	4.9	Q2
IPI00306369	NSUN2	8.3	5.61E-66	0.397	4	5.6	Q2
IPI00828150;	SUGT1	9.3	1.76E-17	0.397	3	12.4	Q2
IPI00413108;	RPSA	47.3	1.23E-154	0.397	23	48.6	Q2
IPI00921422;	CKAP5	14.6	8.39E-131	0.398	29	41.1	Q2
IPI00103483	COBRA1	5.9	8.03E-08	0.400	3	5.6	Q2
IPI00218475;	IFI35	11.8	4.01E-04	0.400	5	18.1	Q2
IPI00011274;	HNRPD	5	1.00E-07	0.400	2	3.4	Q2
IPI00412492;	PLXND1	3.6	1.10E-07	0.401	7	45.6	Q2
IPI00032970;	OSBPL11	3.1	6.26E-02	0.401	2	21.0	Q2
IPI00024279;	HEATR1	4.9	9.95E-23	0.402	10	10.2	Q2
IPI00003704;	RBM4	7.1	3.57E-04	0.403	3	8.1	Q2
IPI00220834;	XRCC5	46	<1.0E-304	0.403	85	32.6	Q2
IPI00295851	COPB1	28	1.44E-219	0.404	43	16.3	Q2
IPI00291946	USP10	3	2.71E-07	0.404	2	5.8	Q2
IPI00002564;	XRCC1	3.6	4.12E-03	0.405	2	1.5	Q2
IPI00295098;	SRPRB	32.1	8.18E-94	0.407	8	8.6	Q2
IPI00291695;	GPX8	49.3	6.98E-26	0.408	8	8.6	Q2
IPI00022827;	SLK	10.4	9.17E-66	0.410	13	9.8	Q2
IPI00030320	DDX6	8.5	2.29E-22	0.411	3	6.0	Q2
IPI00909083;	GSPT1	23.6	9.27E-19	0.411	16	61.4	Q2
IPI00784013	JAK1	3.4	1.10E-18	0.412	3	7.0	Q2

IPI00054042;	GTF2I	24	7.13E-76	0.412	20	11.7	Q2
IPI00413696;	CD47	4.9	1.44E-01	0.413	7	24.9	Q2
IPI00023640;	PDCD5	36.8	1.26E-41	0.414	5	11.1	Q2
IPI00640817;	AK1	28.1	2.18E-57	0.416	19	9.1	Q2
IPI00030706	AHSA1	13.9	1.35E-19	0.416	4	9.8	Q2
IPI00465044	RCC2	7.1	7.74E-16	0.416	4	5.0	Q2
IPI00007188;	SLC25A5	19.5	2.59E-95	0.417	9	10.7	Q2
IPI00792352;	RAN	43.2	4.48E-70	0.418	19	53.9	Q2
IPI00014572	SPARC	15.5	8.20E-09	0.418	5	7.0	Q2
IPI00026262;	RASA1	10.9	1.98E-79	0.419	10	9.4	Q2
IPI00003865;	HSPA8	62.7	<1.0E-304	0.419	129	38.3	Q2
IPI00218918;	ANXA1	74.9	<1.0E-304	0.420	53	25.3	Q2
IPI00009368	SFXN1	19.3	6.13E-44	0.420	3	6.8	Q2
IPI00654605;	MAP7D1	8.6	1.36E-58	0.420	8	10.7	Q2
IPI00021327;	GRB2	22.6	3.90E-16	0.420	5	7.1	Q2
IPI00216694;	PLS3	59.4	<1.0E-304	0.423	83	25.9	Q2
IPI00337460;	KLC1	19.4	1.23E-50	0.423	17	11.2	Q2
IPI00797126;	NACA	6.7	2.72E-103	0.425	9	19.6	Q2
IPI00375144;	SRRT	12.4	1.32E-28	0.426	11	10.5	Q2
IPI00012837;	KIF5B	52.5	<1.0E-304	0.427	60	11.6	Q2
IPI00296432;	IWS1	4.6	3.44E-56	0.428	3	4.6	Q2
IPI00645702	CTPS2	7	7.16E-29	0.428	4	15.5	Q2
IPI00910170;	RAB3A	16.1	7.13E-53	0.430	3	1.5	Q2
IPI00003768;	PES1	14.5	2.85E-16	0.433	10	7.1	Q2
IPI00289334;	FLNB	45.8	<1.0E-304	0.435	182	84.9	Q2
IPI00005154;	SSRP1	23.3	2.75E-110	0.435	18	7.9	Q2
IPI00929344;	PFAS	8.4	1.35E-66	0.441	9	10.4	Q2
IPI00412157;	PPME1	5	1.52E-04	0.441	2	10.1	Q2
IPI00029111;	LCRMP	37.7	1.33E-191	0.441	40	39.9	Q2
IPI00009253;	NAPA	31.9	1.35E-104	0.442	13	10.0	Q2
IPI00874185;	HIBCH	4.3	3.66E-06	0.444	2	10.2	Q2
IPI00007928;	PRPF8	28.4	5.09E-289	0.447	71	15.9	Q2
IPI00013877;	HNRNPH3	25.1	1.34E-58	0.448	11	6.6	Q2

IPI00413293;	TOR1A	4.1	1.67E-26	0.450	2	14.9	Q2
IPI00329629;	DNAJC7	11.9	8.68E-23	0.450	5	11.0	Q2
IPI00171798	MTA2	7.3	1.27E-13	0.450	4	7.6	Q2
IPI00174442;	FAM98A	12.5	1.16E-77	0.451	5	8.9	Q2
IPI00018627;	NAT13	20.7	2.94E-21	0.452	3	11.4	Q2
IPI00168262;	GLT25D1	19.9	3.82E-53	0.453	22	18.1	Q2
IPI00465132;	COPE	31.8	2.01E-70	0.454	8	41.6	Q2
IPI00828080;	ARAP1	3.2	3.38E-29	0.455	4	5.1	Q2
IPI00015954;	SAR1A	48	2.70E-45	0.456	10	33.5	Q2
IPI00642126;	KIAA1618	5.3	1.77E-125	0.458	22	24.1	Q2
IPI00024067;	CLTC	63	<1.0E-304	0.459	239	55.0	Q2
IPI00910194;	NUP153	7.8	4.42E-35	0.459	9	18.8	Q2
IPI00020124;	PI4K2A	3.5	1.17E-04	0.460	2	8.6	Q2
IPI00215687;	GLS	3	1.34E-55	0.460	2	34.3	Q2
IPI00217223;	PAICS	18	3.51E-17	0.460	5	9.9	Q2
IPI00246975;	GSTM3	44.9	2.62E-64	0.462	10	22.3	Q2
IPI00305267;	GOLGA3	20.8	9.60E-212	0.463	29	34.6	Q2
IPI00032313	S100A4	45.5	7.47E-12	0.463	10	8.1	Q2
IPI00328293;	SRRM1	5	8.83E-18	0.463	6	14.7	Q2
IPI00154473;	GFM1	10.1	2.31E-29	0.464	7	10.4	Q2
IPI00068506;	ABCF2	9.8	2.06E-23	0.464	5	7.5	Q2
IPI00295992;	ATAD3A	28	1.30E-53	0.464	19	11.8	Q2
IPI00102059;	SCYL1	5.3	8.70E-08	0.467	4	14.8	Q2
IPI00219445;	PSME3	21.3	1.25E-54	0.470	7	68.5	Q2
IPI00922250	OCC1	34.9	1.71E-17	0.470	2	6.3	Q2
IPI00021954;	GBF1	7.7	9.10E-68	0.471	17	20.2	Q2
IPI00550746;	NUDC	9.7	2.20E-18	0.471	4	10.8	Q2
IPI00009342;	IQGAP1	61.1	<1.0E-304	0.475	138	35.7	Q2
IPI00024425;	KIAA0664	7.3	4.36E-24	0.478	10	53.8	Q2
IPI00165393;	ANP32E	9.3	3.10E-03	0.478	2	5.3	Q2
IPI00029447;	GOSR1	8.8	1.10E-08	0.479	2	20.1	Q2
IPI00186290;	EEF2	58.9	<1.0E-304	0.485	153	55.4	Q2
IPI00030770;	PSMG1	8.3	1.89E-07	0.487	3	0.3	Q2

IPI00074604;	GLMN	6.7	1.14E-08	0.487	3	0.2	Q2
IPI00300659;	CDC73	8.5	6.80E-06	0.488	4	10.0	Q2
IPI00166865	CISD2	30.4	1.37E-07	0.488	4	21.0	Q2
IPI00645078;	UBA1	44.7	<1.0E-304	0.488	83	34.2	Q2
IPI00641076;	FAM65A	2.6	1.52E-04	0.489	2	21.4	Q2
IPI00301021;	SSR1	11.9	2.17E-13	0.489	5	14.5	Q2
IPI00420014;	SNRNP200	26	<1.0E-304	0.491	64	19.2	Q2
IPI00783872;	CAPRIN1	13.3	1.19E-42	0.491	13	9.4	Q2
IPI00156791;	KLHL22	3	3.06E-08	0.491	3	304.3	Q2
IPI00013468;	BUB3	22	7.11E-23	0.492	7	9.4	Q2
IPI00549205;	RAD50	12.5	1.55E-86	0.492	17	14.5	Q2
IPI00305064;	CD44	10.5	1.03E-74	0.493	34	79.1	Q2
IPI00006207;	LRRFIP1	20.4	1.52E-103	0.494	14	8.8	Q2
IPI00218187;	PPP1CC	8.3	9.37E-124	0.495	3	26.5	Q2
IPI00815893;	CHD2	1	9.70E-03	0.496	2	8.6	Q2
IPI00873226;	hTGP	1.3	7.56E-03	0.496	5	16.1	Q2
IPI00011675;	SP100	3.2	3.02E-11	0.497	4	5.6	Q2
IPI00328113;	FBN1	1.5	3.42E-10	0.498	4	11.4	Q2
IPI00004324;	TRAPPC3	26.1	9.17E-25	0.498	4	8.1	Q2
IPI00177509	TRAPPC5	9	2.10E-05	0.501	2	7.7	Q3
IPI00165026;	SETD3	3.4	5.62E-07	0.501	2	13.4	Q3
IPI00513971;	RPS27	40.5	3.80E-40	0.502	6	29.1	Q3
IPI00552073;	DHX16	3.7	8.22E-10	0.504	3	4.4	Q3
IPI00217277;	SLC25A10	5.4	1.43E-01	0.505	2	3.7	Q3
IPI00007797;	FABP5	26.7	2.41E-08	0.505	5	4.7	Q3
IPI00297572;	AQR	1.2	6.71E-02	0.509	4	18.9	Q3
IPI00007818;	CPSF3	3.9	5.75E-06	0.513	3	0.3	Q3
IPI00921996;	STMN1	35.6	7.10E-26	0.514	9	9.2	Q3
IPI00794900	MTHFD1	38.7	1.16E-293	0.515	59	26.1	Q3
IPI00873106;	MOB4A	11.6	1.70E-03	0.520	4	6.4	Q3
IPI00215637;	DDX3X	34	7.69E-261	0.524	38	33.7	Q3
IPI00549389;	METTL11A	9.4	1.34E-29	0.534	2	14.1	Q3
IPI00216046;	SMARCA1	4.5	2.06E-66	0.539	5	13.2	Q3

IPI00059292;	MAGOHB	30.4	2.41E-17	0.541	4	10.9	Q3
IPI00296526;	NAGK	42.1	2.49E-110	0.541	17	9.9	Q3
IPI00014533;	UBTF	2.6	5.97E-03	0.544	2	7.7	Q3
IPI00010402;	SH3BGR13	12.8	1.12E-56	0.545	4	4.6	Q3
IPI00220687;	HM13	7.3	2.46E-13	0.546	3	1.2	Q3
IPI00827535;	PTMA	35.1	3.63E-56	0.550	8	29.6	Q3
IPI00477494;	DRAP1	10.4	2.89E-11	0.551	2	3.1	Q3
IPI00903119;	SMS	12	2.55E-07	0.553	5	9.5	Q3
IPI00026970;	SUPT16H	25.3	8.39E-105	0.554	27	14.9	Q3
IPI00798127;	UBC	67.7	1.66E-60	0.556	70	19.0	Q3
IPI00017617;	DDX5	35.3	6.43E-127	0.557	41	27.0	Q3
IPI00790342;	RPL6	39.1	9.86E-71	0.561	15	25.0	Q3
IPI00022348;	PML	3.4	3.40E-09	0.563	3	14.8	Q3
IPI00005792;	PABPN1	8.8	1.30E-53	0.565	2	152.1	Q3
IPI00152998	LRRC40	16.3	2.02E-18	0.565	10	7.3	Q3
IPI00642816;	SRP9	34.9	6.16E-16	0.568	4	5.5	Q3
IPI00856098;	RRBP1	41.6	<1.0E-304	0.568	110	52.7	Q3
IPI00375714;	HSPB7	9.7	4.27E-23	0.568	2	6.5	Q3
IPI00744711;	PNPT1	7.7	2.70E-04	0.568	7	9.4	Q3
IPI00782992;	SRRM2	4.6	2.40E-24	0.571	13	39.3	Q3
IPI00384689;	PDXDC1	10.8	8.85E-101	0.571	7	8.3	Q3
IPI00032314	LAGE3	10.5	1.67E-26	0.572	2	7.5	Q3
IPI00013455;	CLIP1	6.9	3.89E-43	0.573	10	21.1	Q3
IPI00414676;	HSP90AB1	38.3	<1.0E-304	0.574	91	29.0	Q3
IPI00293126;	TBCB	29.5	2.38E-96	0.576	5	5.8	Q3
IPI00106491	MRT04	8.4	6.26E-02	0.576	2	14.1	Q3
IPI00798011;	SUMO3	8.2	2.96E-18	0.577	6	12.5	Q3
IPI00018246;	HK1	36.8	<1.0E-304	0.579	70	34.9	Q3
IPI00890837;	SMCHD1	4.3	7.91E-38	0.579	9	28.5	Q3
IPI00007166	IER3IP1	34.1	2.67E-59	0.582	3	9.3	Q3
IPI00152658;	NEK7	13.9	8.26E-05	0.584	4	14.1	Q3
IPI00025491;	EIF4A1	35.5	3.97E-177	0.585	26	53.0	Q3
IPI00009274	COPZ2	23.3	8.15E-21	0.587	3	153.6	Q3

IPI00005780;	OGT	1.9	5.31E-02	0.587	2	11.2	Q3
IPI00021805;	MGST1	43.2	4.75E-39	0.591	9	18.4	Q3
IPI00024662	CBX5	11	7.09E-13	0.593	2	0.9	Q3
IPI00015351;	C1orf128	9.5	2.49E-06	0.596	2	2.0	Q3
IPI00019380;	NCBP1	2.7	2.86E-05	0.596	3	3.4	Q3
IPI00916503;	BZW1	4.9	8.74E-18	0.596	3	7.1	Q3
IPI00871695;	DEK	4.5	1.67E-06	0.597	2	2.2	Q3
IPI00216319;	YWHAH	38.6	1.45E-123	0.600	13	8.5	Q3
IPI00782965;	HIP1	4.1	4.62E-27	0.601	4	18.7	Q3
IPI00033036;	METAP2	10.3	2.18E-28	0.602	4	2.5	Q3
IPI00016746;	CBFB	14.8	3.48E-05	0.602	4	6.7	Q3
IPI00003515;	TRIP11	4	1.31E-20	0.603	5	3.4	Q3
IPI00216047;	SMARCC2	4	6.89E-11	0.605	5	29.0	Q3
IPI00470883;	STAG2	3.2	1.95E-11	0.610	5	6.7	Q3
IPI00642971;	EEF1D	16.8	4.74E-130	0.614	17	42.4	Q3
IPI00844361;	RAB18	24.7	6.23E-45	0.617	6	14.1	Q3
IPI00007402	IPO7	26.4	<1.0E-304	0.618	34	23.3	Q3
IPI00385267	SRPR	34.2	1.46E-112	0.619	28	9.5	Q3
IPI00007346;	PPIH	18.6	9.96E-13	0.621	5	5.1	Q3
IPI00186194;	CEP170	7.2	4.98E-16	0.622	9	11.1	Q3
IPI00784161;	SUPT6H	0.9	1.27E-01	0.630	2	3.6	Q3
IPI00410488;	CD276	8.1	4.71E-03	0.630	4	40.2	Q3
IPI00009456;	NT5E	43.2	8.21E-256	0.631	41	10.8	Q3
IPI00022228;	HDLBP	48.9	<1.0E-304	0.632	102	53.1	Q3
IPI00023860;	NAP1L1	17.9	1.67E-152	0.633	8	39.4	Q3
IPI00221035;	BTF3	45.6	5.07E-60	0.633	7	6.3	Q3
IPI00174025;	DNMBP	1.8	7.79E-20	0.638	3	11.6	Q3
IPI00029079;	GMPS	15.7	1.40E-88	0.638	10	14.6	Q3
IPI00031821;	ITM2B	7.5	2.03E-06	0.643	2	6.5	Q3
IPI00297593;	USP34	0.3	1.84E-02	0.645	2	18.6	Q3
IPI00783835;	RNF160	2.4	7.66E-30	0.646	4	4.8	Q3
IPI00019400;	TPMT	9.8	2.67E-08	0.648	3	5.3	Q3
IPI00060181;	EFHD2	33.8	2.16E-27	0.649	11	14.7	Q3

IPI00651738	ADI1	11.7	1.11E-06	0.652	2	29.1	Q3
IPI00011619;	PAPSS1	14.7	2.07E-75	0.652	12	6.4	Q3
IPI00852685;	DIAPH1	7.5	8.67E-35	0.653	11	75.3	Q3
IPI00924713;	PCYT1A	11.3	3.34E-53	0.654	3	15.5	Q3
IPI00026516;	OXCT1	12.9	4.88E-29	0.656	3	8.6	Q3
IPI00028160;	HMBS	8.6	3.21E-05	0.657	2	2.0	Q3
IPI00829865;	TMTC3	1.1	4.21E-06	0.658	2	7.1	Q3
IPI00022334	OAT	12.3	9.54E-58	0.663	4	7.3	Q3
IPI00027444;	SERPINB1	18.2	1.35E-56	0.664	6	17.1	Q3
IPI00410067;	ZC3HAV1	10.5	1.00E-150	0.666	7	7.5	Q3
IPI00165477;	ELP3	4.9	9.99E-03	0.666	3	9.5	Q3
IPI00419237;	LAP3	8.7	6.52E-40	0.672	4	94.9	Q3
IPI00100748	HSPBP1	6.7	5.26E-04	0.672	2	2.1	Q3
IPI00293434;	SRP14	34.6	1.24E-35	0.675	6	7.8	Q3
IPI00306723	CEBPZ	2.2	2.80E-03	0.676	2	3.1	Q3
IPI00019463;	EIF2AK2	20.1	3.48E-91	0.676	12	6.1	Q3
IPI00328319;	RBBP4	8.2	5.30E-52	0.681	3	12.9	Q3
IPI00298949;	GAK	3	2.78E-09	0.681	3	81.0	Q3
IPI00009943;	TPT1	28.7	2.86E-67	0.684	13	5.4	Q3
IPI00016639	PRKCI	2.3	1.42E-15	0.687	2	2.4	Q3
IPI00329600;	SCCPDH	8.6	1.41E-17	0.690	3	9.5	Q3
IPI00465315;	CYCS	40	1.16E-37	0.690	9	8.0	Q3
IPI00873189;	SLC35B2	2.3	3.44E-03	0.693	2	21.5	Q3
IPI00022542;	ROCK1	9.6	1.91E-124	0.693	13	29.3	Q3
IPI00069817;	BAZ1B	2.5	2.62E-06	0.697	4	7.4	Q3
IPI00745406;	SPAG9	12.9	7.79E-124	0.699	16	15.8	Q3
IPI00020986;	LUM	8.2	1.06E-88	0.705	3	1.6	Q3
IPI00007940;	ERLIN1	19.5	5.77E-92	0.705	7	9.6	Q3
IPI00642259;	DST	1.4	2.85E-38	0.707	11	11.9	Q3
IPI00301263;	CAD	18	2.44E-194	0.708	43	36.1	Q3
IPI00018146;	YWHAQ	53.1	2.05E-155	0.713	17	10.0	Q3
IPI00792312;	INTS3	2.9	1.21E-03	0.714	3	6.4	Q3
IPI00030371;	TRIM4	3.6	3.22E-01	0.716	11	69.4	Q3

IPI00006167;	PPM1G	15.4	4.56E-25	0.719	8	26.3	Q3
IPI00218993;	HSPH1	35	9.60E-189	0.719	34	20.3	Q3
IPI00297211	SMARCA5	20.6	3.39E-120	0.724	30	10.3	Q3
IPI00017567;	ENG	4.3	9.31E-12	0.727	2	30.3	Q3
IPI00000001;	STAU1	6.2	3.89E-11	0.729	3	17.5	Q3
IPI00060715;	KCTD12	8.6	1.36E-06	0.730	4	37.3	Q3
IPI00220873;	PAPSS2	33.3	1.33E-131	0.731	22	9.9	Q3
IPI00008822;	PRRX1	22.9	3.32E-20	0.735	6	6.7	Q3
IPI00021453	PPAP2B	11.3	1.63E-28	0.735	5	10.1	Q3
IPI00025156;	STUB1	8.3	4.51E-27	0.744	2	16.9	Q3
IPI00455210;	CHD4	9.1	4.83E-121	0.744	21	26.0	Q3
IPI00873829;	ACAA2	14.1	1.00E-36	0.745	7	4.7	Q3
IPI00009790;	PFKP	41.1	<1.0E-304	0.752	55	15.1	Q3
IPI00106913;	DHRS4	7.9	1.36E-04	0.752	2	4.6	Q3
IPI00007401	IPO8	4.4	8.28E-10	0.752	5	15.4	Q3
IPI00298476;	GREM1	17.9	1.06E-30	0.766	2	9.6	Q3
IPI00219005	FKBP4	9.8	6.32E-39	0.766	4	8.7	Q3
IPI00023004;	EIF1AY	22.9	4.33E-15	0.772	3	3.0	Q3
IPI00022744;	CSE1L	28.2	3.15E-236	0.777	44	12.4	Q3
IPI00009010;	AD-001	36	1.32E-41	0.780	4	17.4	Q3
IPI00607584;	MYBBP1A	10.1	1.66E-69	0.784	18	41.5	Q3
IPI00021147	DEGS1	10.5	2.42E-39	0.791	3	10.7	Q3
IPI00854642;	PDS5A	2.3	2.85E-03	0.791	3	11.5	Q3
IPI00021290;	ACLY	55.4	<1.0E-304	0.795	113	46.6	Q3
IPI00413140;	DNM1	3.9	2.04E-14	0.801	3	8.3	Q3
IPI00291939;	SMC1A	9.1	5.34E-15	0.801	12	16.8	Q3
IPI00903255;	OSTF1	26.6	8.17E-22	0.806	4	8.7	Q3
IPI00073602	EXOSC6	5.5	7.87E-02	0.809	2	10.7	Q3
IPI00792677;	TUBA1B	6	<1.0E-304	0.811	25	46.6	Q3
IPI00925413;	EIF4G1	23.3	1.32E-252	0.817	55	42.5	Q3
IPI00032826;	ST13	6	7.64E-02	0.818	2	95.8	Q3
IPI00797603;	PRPSAP1	12.2	3.02E-24	0.829	3	20.9	Q3
IPI00004962	GOLIM4	7.3	1.41E-32	0.831	4	28.2	Q3

IPI00011702	KIAA0406	3.3	8.71E-32	0.834	2	5.4	Q3
IPI00183695	S100A10	45.4	2.77E-33	0.838	7	12.0	Q3
IPI00334587;	HNRNPAB	13	6.79E-55	0.841	7	66.8	Q3
IPI00477118;	TMEM214	19.4	2.88E-71	0.842	19	29.7	Q3
IPI00010586;	TMF1	3.3	6.98E-10	0.849	3	7.3	Q3
IPI00143921;	KDELC2	11.4	1.74E-37	0.855	8	4.5	Q3
IPI00027721	PDGFRA	2.6	4.55E-36	0.858	2	19.4	Q3
IPI00178431;	RECQL	18.2	9.77E-43	0.858	17	25.5	Q3
IPI00029741;	ITGB5	4.5	3.65E-24	0.860	4	16.0	Q3
IPI00293735	IKBKAP	2.1	6.43E-05	0.867	3	44.3	Q3
IPI00003802	MAN2A1	12.9	5.41E-68	0.871	15	7.4	Q3
IPI00022386;	TXNDC9	8	2.93E-02	0.889	2	2.3	Q3
IPI00016669	RHEB	28.3	3.04E-38	0.893	5	11.8	Q3
IPI00146380;	C9orf21	9.3	2.01E-19	0.918	2	5.0	Q3
IPI00926925;	OGDH	17.6	3.08E-47	0.920	18	11.3	Q3
IPI00031420	UGDH	19	7.65E-30	0.924	9	66.5	Q3
IPI00009885;	FKBP11	9	3.44E-12	0.924	4	7.6	Q3
IPI00334282;	FAM3C	26.9	3.30E-129	0.927	4	5.3	Q3
IPI00550854;	MXRA8	8.6	2.32E-30	0.939	3	8.8	Q3
IPI00008552	GLRX3	23.6	7.52E-65	0.948	8	26.2	Q3
IPI00152540;	CD109	3.8	2.11E-18	0.948	5	8.9	Q3
IPI00645849;	ECM1	5.8	3.57E-20	0.956	3	17.3	Q3
IPI00914871;	SERPINE2	11.7	2.68E-80	0.956	11	23.1	Q3
IPI00061525;	GPNPAT1	29.3	7.90E-114	0.962	4	11.5	Q3
IPI00294211;	DHX38	2.9	2.16E-27	0.962	3	23.2	Q3
IPI00903155	SWAP70	3.4	6.18E-101	0.964	2	4.6	Q3
IPI00332499;	NASP	13.5	5.53E-55	0.978	15	19.8	Q3
IPI00396485;	EEF1A1	45.5	4.02E-144	0.982	88	67.4	Q3
IPI00008475	HMGCS1	4.6	5.43E-21	0.983	2	4.8	Q3
IPI00030781;	STAT1	45.5	3.29E-233	0.988	58	14.2	Q3
IPI00291510;	IMPDH2	4.5	2.77E-13	0.991	2	76.7	Q3
IPI00395627;	CACYBP	59.6	5.05E-64	0.991	11	15.6	Q3
IPI00016381;	RAB27A	10.9	4.30E-11	1.000	2	24.1	Q3

IPI00015953;	DDX21	12.9	9.53E-55	1.008	10	6.1	Q3
IPI00291215;	PARP14	5.8	1.42E-85	1.012	7	9.3	Q3
IPI00014232;	ARL6IP1	20.7	1.48E-12	1.029	5	14.2	Q3
IPI00024719;	HAT1	3.1	6.78E-02	1.029	2	46.5	Q3
IPI00221328;	CLIC2	7.3	2.04E-14	1.035	2	0.5	Q3
IPI00465248;	ENO1	43.1	3.98E-252	1.050	61	86.5	Q3
IPI00180675;	TUBA1A	50.1	<1.0E-304	1.088	78	57.8	Q3
IPI00293590;	MGLL	11.5	2.50E-21	1.096	3	17.1	Q3
IPI00031030;	APLP2	6.2	3.42E-03	1.119	4	29.3	Q3
IPI00016568;	AK3L1	15.7	3.04E-03	1.135	3	6.3	Q3
IPI00216230;	TMPO	18.3	8.89E-85	1.149	12	29.7	Q3
IPI00329672;	MYO1E	23.2	7.42E-96	1.164	23	22.7	Q3
IPI00017303;	MSH2	6.7	1.18E-37	1.176	7	53.5	Q3
IPI00640703;	XPO5	5.4	2.02E-80	1.188	6	6.1	Q3
IPI00022418;	FN1	27.3	<1.0E-304	1.195	113	35.7	Q3
IPI00003411	PTGIS	19.2	1.07E-27	1.217	6	33.6	Q3
IPI00010187;	ELOVL1	4.7	4.42E-12	1.223	2	108.6	Q3
IPI00003881	HNRNPF	4.8	3.15E-14	1.224	4	89.1	Q3
IPI00058192;	POFUT1	6.7	1.86E-24	1.248	2	4.8	Q3
IPI00856045;	AHNAK2	27.1	<1.0E-304	1.265	76	45.7	Q3
IPI00031519;	DNMT1	4.5	1.13E-55	1.283	8	5.2	Q3
IPI00418471;	VIM	88.2	<1.0E-304	1.304	394	56.0	Q3
IPI00007061;	GOLT1B	10.1	8.57E-10	1.315	2	21.5	Q3
IPI00299524;	NCAPD2	6.6	2.45E-39	1.345	9	34.8	Q3
IPI00294739;	SAMHD1	29.9	5.45E-104	1.365	19	16.7	Q3
IPI00004392;	NUDT1	12.2	1.87E-07	1.369	2	9.3	Q3
IPI00016621;	AP2A2	20.4	8.81E-168	1.373	16	187.2	Q3
IPI00797279;	UHRF1	2.4	2.41E-06	1.395	2	56.1	Q3
IPI00384456;	MSH6	10.1	2.85E-65	1.406	12	13.6	Q3
IPI00007118;	SERPINE1	4.2	2.74E-04	1.423	3	61.3	Q3
IPI00328905	IQGAP3	11.3	5.87E-81	1.438	15	14.9	Q3
IPI00550523;	ATL3	14	2.78E-11	1.454	6	13.4	Q3
IPI00216088;	CRABP2	29	1.42E-29	1.456	4	190.8	Q3

IPI00106495	NCAPG	7.6	1.65E-48	1.464	7	12.2	Q3
IPI00013214;	MCM3	21.8	2.92E-93	1.466	21	74.3	Q3
IPI00021700	PCNA	37.9	1.24E-150	1.468	15	19.9	Q3
IPI00168317;	SPC24	8.6	2.68E-23	1.488	2	8.4	Q3
IPI00333541;	FLNA	67.5	<1.0E-304	1.493	585	105.9	Q3
IPI00020127;	RPA1	26.1	2.64E-58	1.499	16	12.3	Q3
IPI00013933;	DSP	3.9	1.54E-74	1.504	10	10.9	Q3
IPI00291483	AKR1C3	26	1.89E-30	1.512	10	25.2	Q3
IPI00022977;	CKB	28.1	1.08E-175	1.514	12	18.5	Q3
IPI00010219	SPC25	7.6	1.56E-10	1.517	2	3.3	Q3
IPI00000684;	UAP1	24.9	2.81E-66	1.526	18	24.8	Q3
IPI00395488	VASN	13.5	5.58E-63	1.527	8	59.9	Q3
IPI00005668;	AKR1C2	31.6	1.37E-42	1.537	6	11.4	Q3
IPI00646500;	RPA2	5.6	2.61E-09	1.542	2	29.6	Q3
IPI00017672;	NP	43.7	1.28E-138	1.548	14	11.6	Q3
IPI00011654;	TUBB	73	<1.0E-304	1.565	80	55.9	Q3
IPI00002214;	KPNA2	4.2	1.02E-07	1.576	4	8.3	Q3
IPI00655631;	POLD1	2.9	9.58E-05	1.584	3	25.0	Q3
IPI00887771;	DHFR	10.8	8.16E-04	1.605	2	72.8	Q3
IPI00219616;	PRPS1	34.9	3.43E-83	1.613	13	12.3	Q3
IPI00420108;	DLST	13.5	9.17E-105	1.636	14	93.1	Q3
IPI00004233;	MKI67	1.7	2.40E-11	1.662	2	1.3	Q3
IPI00848090;	CAPG	45.4	1.10E-154	1.673	21	33.9	Q3
IPI00010141	POLE3	10.9	3.65E-31	1.705	2	7.2	Q3
IPI00030280	LRRC32	3.8	1.93E-10	1.708	2	11.0	Q3
IPI00020454	DCK	14.2	5.40E-04	1.709	4	11.0	Q3
IPI00921911;	CRIP2	17	2.45E-59	1.710	2	6.0	Q3
IPI00007927;	SMC2	18.8	2.10E-72	1.712	20	9.8	Q3
IPI00017412;	RFC2	17.8	9.12E-29	1.727	5	11.3	Q3
IPI00074962;	ANK2	0.6	2.15E-07	1.746	4	124.0	Q3
IPI00010790;	BGN	9.2	1.18E-10	1.762	5	96.9	Q3
IPI00009276	PROCR	9.5	1.08E-52	1.782	2	0.7	Q3
IPI00154975;	DNAJC9	20.8	9.02E-19	1.824	7	6.4	Q3

IPI00411559;	SMC4	14.8	1.78E-90	1.829	19	16.5	Q3
IPI00027705	PRIM2	4.5	2.20E-16	1.841	2	10.8	Q3
IPI00010740;	SFPQ	33.5	9.19E-159	1.843	50	189.3	Q3
IPI00184330;	MCM2	33.4	2.99E-237	1.853	33	30.5	Q3
IPI00013871	RRM1	4.3	1.24E-07	1.865	3	25.0	Q3
IPI00005737;	SURF4	24.5	5.14E-86	1.871	37	117.5	Q3
IPI00013679;	DUT	25.8	1.98E-100	1.885	7	8.0	Q3
IPI00872194;	COLEC12	5.1	6.27E-14	1.951	6	93.4	Q3
IPI00025818	GALNT1	3.8	4.31E-10	1.964	3	11.1	Q3
IPI00216159	GFPT2	6.3	2.54E-57	2.016	3	4.9	Q3
IPI00018350;	MCM5	20.4	1.55E-101	2.042	18	19.7	Q3
IPI00299904;	MCM7	31.7	6.60E-150	2.056	24	12.5	Q3
IPI00021766;	RTN4	7	7.43E-35	2.098	11	53.4	Q3
IPI00879004;	TOP2A	3.2	1.53E-73	2.100	5	18.5	Q3
IPI00031517;	MCM6	18.3	1.68E-62	2.156	14	21.1	Q3
IPI00877174;	OAS3	8.7	7.32E-27	2.157	8	76.4	Q3
IPI00024254	IFIT3	21.4	1.01E-27	2.174	8	12.9	Q3
IPI00018349;	MCM4	13.8	2.06E-58	2.179	11	21.2	Q3
IPI00414320;	ANXA11	13.7	7.08E-60	2.276	11	112.3	Q3
IPI00018300	IFIT1	7.9	1.03E-07	2.323	3	1.3	Q3
IPI00218247;	TIMP3	13.7	3.74E-11	2.340	3	12.8	Q3
IPI00031812;	YBX1	23.1	9.01E-102	2.352	8	99.0	Q3
IPI00719285;	CIT	0.9	9.12E-02	2.411	2	7.7	Q3
IPI00375631	ISG15	35.2	1.83E-33	2.533	13	30.7	Q3
IPI00025257;	SEMA7A	5.1	8.03E-11	2.534	3	42.6	Q3
IPI00010157;	MAT2A	6.1	2.58E-35	2.546	3	125.2	Q3
IPI00218831;	GSTM1	15.6	3.44E-44	2.553	4	27.4	Q3
IPI00913924;	LRRC15	26.1	6.12E-104	2.602	22	32.9	Q3
IPI00026663;	ALDH1A3	4.3	6.20E-04	2.835	2	19.8	Q3
IPI00654777;	EIF3F	26.6	8.12E-187	2.910	15	132.2	Q3
IPI00031008;	TNC	15	1.81E-108	3.395	35	41.9	Q3
IPI00167949;	MX1	25.2	2.68E-87	3.573	18	29.5	Q3
IPI00018219;	TGFBI	24.9	3.62E-61	3.782	19	65.7	Q3

IPI00604773;	PODXL	6.1	8.56E-12	3.922	4	23.5	Q3
IPI00465261;	ERAP2	12.5	2.14E-53	3.989	11	97.7	Q3
IPI00008998	PTPLAD1	5.2	1.20E-01	4.011	3	30.3	Q3
IPI00001560;	CDKN2A	31.7	4.30E-26	4.047	4	168.4	Q3

Supplementary Table 8: Keratinocyte cell line. Cell lysates were prepared from unlabeled (Arg0/Lys0), freshly isolated keratin and labeled (Arg10/Lys8), immortalized keratinocyte cell line. Shown are normalized log2 transformed protein ratios of identified. For identification a minimum of 2 peptides per protein has to be identified (unique + razor). The database used for identification decoy database based on IPI v. 3.59 containing in total 160,820 entries. As a criterium for identification the posterior error prob rate of identified proteins (PEP) is shown. The peptide numbers represent peptides used for quantitation.

Protein ID	Gene Symbol	Unique + Razor Sequence Coverage [%]	PEP	Log2 Ratio	Peptide No.	Variability [%]	Quantil
IPI00514638;	DAB1	3.6	2.31E-09	-7.377	9	139.1	Q1
IPI00643623;	LCN2	31	6.39E-30	-6.183	6	103.4	Q1
IPI00022488	HPX	14.5	1.61E-23	-6.043	3	26.4	Q1
IPI00008234;	CYB5R2	23.9	4.03E-09	-5.474	4	36.5	Q1
IPI00479145;	KRT19	29.5	<1.0E-304	-5.236	10	65.8	Q1
IPI00011692	IVL	40.7	3.82E-117	-5.073	22	70.5	Q1
IPI00647885;	GSTM1	28.7	2.39E-49	-4.918	3	17.9	Q1
IPI00022463;	TF	5.3	8.18E-42	-4.878	3	90.7	Q1
IPI00304903;	SPRR1B	78.7	6.65E-39	-4.772	12	36.6	Q1
IPI00006663;	ALDH2	8.7	4.12E-10	-4.603	2	18.5	Q1
IPI00006091;	DMD	0.7	1.97E-03	-4.513	4	209.9	Q1
IPI00789324;	JUP	66.8	<1.0E-304	-4.415	46	160.5	Q1
IPI00290077;	KRT15	65.1	<1.0E-304	-4.333	34	57.8	Q1
IPI00419215;	A2ML1	16.4	2.72E-116	-4.238	21	36.8	Q1
IPI00183786;	FADS2	17.3	6.11E-19	-4.100	3	9.5	Q1
IPI00847793;	DCD	20.7	4.46E-10	-3.996	4	48.8	Q1
IPI00329108;	SCEL	5.7	6.76E-14	-3.853	4	103.4	Q1
IPI00414442;	CDK5RAP3	9.6	7.24E-25	-3.827	2	367.0	Q1
IPI00217018;	SAMD9	3	3.82E-13	-3.657	3	31.6	Q1
IPI00293665;	KRT6B	6.6	<1.0E-304	-3.586	15	72.5	Q1
IPI00021369;	CRYAB	24.6	1.09E-21	-3.484	4	21.0	Q1
IPI00792065;	TOR1AIP1	14.7	5.54E-95	-3.140	2	235.9	Q1
IPI00010951	EPPK1	31.6	<1.0E-304	-3.037	87	59.3	Q1
IPI00013895;	S100A11	56.2	2.65E-109	-2.908	10	135.9	Q1
IPI00246975;	GSTM3	16.9	2.15E-29	-2.829	2	7.1	Q1

IPI00175024;	IL1RN	53.5	2.01E-170	-2.802	8	11.6	Q1
IPI00027444;	SERPINB1	48.3	4.28E-202	-2.716	7	44.5	Q1
IPI00872692;	QPRT	12.7	5.95E-23	-2.697	2	141.4	Q1
IPI00647837;	ZNF185	22.5	1.06E-127	-2.550	13	34.3	Q1
IPI00000692;	CLIC3	14.4	1.50E-61	-2.489	3	9.8	Q1
IPI00218414;	CA2	28.8	3.80E-80	-2.476	5	9.0	Q1
IPI00031547	DSG3	7.7	2.99E-85	-2.387	7	10.1	Q1
IPI00244391	XDH	5.8	3.12E-38	-2.291	9	18.1	Q1
IPI00217963;	KRT16	42.5	<1.0E-304	-2.222	17	49.9	Q1
IPI00007117;	SERPINB2	49.6	<1.0E-304	-2.210	27	83.6	Q1
IPI00011609;	UBE3A	3.1	5.67E-24	-2.163	2	20.3	Q1
IPI00409590;	LMO7	3.2	1.06E-26	-2.147	4	41.8	Q1
IPI00026663;	ALDH1A3	50.8	<1.0E-304	-2.056	10	15.5	Q1
IPI00028618	MGMT	22.7	1.65E-13	-1.971	2	9.8	Q1
IPI00297910;	TACSTD2	25.7	3.38E-64	-1.932	2	9.0	Q1
IPI00071509;	PKP1	21.8	9.76E-177	-1.900	15	53.3	Q1
IPI00215997;	CD9	4.4	5.86E-10	-1.851	4	9.9	Q1
IPI00012728;	ACSL1	9.2	2.24E-23	-1.692	5	10.7	Q1
IPI00375676;	FTL	19.9	2.54E-37	-1.650	8	6.4	Q1
IPI00414717;	GLG1	14.4	7.97E-80	-1.602	17	12.2	Q1
IPI00005981;	TAGLN3	35.3	6.05E-25	-1.565	3	74.8	Q1
IPI00009456;	NT5E	26.8	7.55E-130	-1.556	6	24.2	Q1
IPI00024095;	ANXA3	72.8	1.30E-281	-1.514	29	10.5	Q1
IPI00003096	IL1A	31	1.92E-166	-1.490	4	18.3	Q1
IPI00221224	ANPEP	2.1	2.40E-02	-1.487	2	69.6	Q1
IPI00300725;	KRT6A	67.4	<1.0E-304	-1.357	285	94.3	Q1
IPI00216138;	TAGLN	22.4	9.99E-48	-1.338	2	15.4	Q1
IPI00018783;	ITPA	32.5	9.41E-56	-1.338	4	7.9	Q1
IPI00896427;	C6orf132	1.9	3.34E-08	-1.318	2	3.5	Q1
IPI00412650;	SVIL	2	3.17E-41	-1.281	4	5.7	Q1
IPI00007955;	TRIM16	10.5	3.17E-39	-1.275	4	7.4	Q1
IPI00290305;	TP53RK	14.2	3.76E-05	-1.255	3	208.2	Q1
IPI00844508;	CGN	11.5	2.21E-59	-1.239	11	29.0	Q1

IPI00014398;	FHL1	35	6.78E-84	-1.213	8	4.4	Q1
IPI00032533	WDR18	11.3	1.61E-19	-1.174	3	131.4	Q1
IPI00004406;	UPP1	41.3	2.96E-112	-1.174	11	8.5	Q1
IPI00554711;	JUP	29	1.17E-256	-1.173	23	94.0	Q1
IPI00007118;	SERPINE1	14.7	1.61E-27	-1.157	2	3.1	Q1
IPI00296190;	C10orf58	27.5	3.39E-68	-1.146	8	62.8	Q1
IPI00872929;	APOBEC3C	32.8	2.45E-77	-1.135	8	10.2	Q1
IPI00004233;	MKI67	7.5	2.01E-50	-1.101	15	16.5	Q1
IPI00294653;	DOPEY2	0.6	1.82E-03	-1.091	2	17.7	Q1
IPI00298057	PPL	25.7	2.21E-294	-1.072	48	37.3	Q1
IPI00028392;	SARG	18.1	1.77E-35	-1.046	6	33.9	Q1
IPI00433279;	SLFN5	14.3	7.72E-95	-1.016	12	9.9	Q1
IPI00217468;	HIST1H1B	22.1	7.39E-53	-1.007	6	5.8	Q1
IPI00845319;	EPN3	2.6	9.80E-08	-0.978	2	90.2	Q1
IPI00465261;	ERAP2	13.9	9.47E-73	-0.972	8	25.5	Q1
IPI00018364;	RAP2B	30.6	3.14E-70	-0.967	6	12.4	Q1
IPI00410666;	SCRIB	1.5	3.33E-07	-0.965	2	3.0	Q1
IPI00908469	TUBB6	33	<1.0E-304	-0.944	4	27.9	Q1
IPI00816452;	MYO6	20.9	2.07E-218	-0.917	27	5.9	Q1
IPI00031697;	TMEM109	9.1	2.25E-20	-0.896	3	17.0	Q1
IPI00013744	ITGA2	26.2	1.52E-274	-0.894	28	113.7	Q1
IPI00550364	PGM2	15.2	1.63E-58	-0.881	4	5.3	Q1
IPI00470674;	CYB5R1	42	2.35E-96	-0.876	9	3.8	Q1
IPI00220194;	SLC2A1	10.8	3.23E-37	-0.875	15	9.5	Q1
IPI00005264;	PKP2	21.2	3.45E-138	-0.870	17	21.8	Q1
IPI00922476;	EVPL	16	1.39E-170	-0.865	29	12.7	Q1
IPI00744889;	CDH1	2.8	2.47E-09	-0.847	2	39.6	Q1
IPI00024307	EFNB1	14.2	6.51E-58	-0.838	2	8.4	Q1
IPI00657752;	CD81	21.5	3.14E-55	-0.833	2	9.9	Q1
IPI00012645;	SPTBN2	3.1	1.45E-150	-0.829	6	34.3	Q1
IPI00411984;	STK3	14.6	4.74E-40	-0.827	3	14.4	Q1
IPI00290337	EPS8	1.3	8.80E-02	-0.825	2	65.1	Q1
IPI00217477;	HMGB3	37	9.91E-52	-0.822	3	14.7	Q1

IPI00060715;	KCTD12	31.1	3.17E-84	-0.814	3	6.5	Q1
IPI00024993	ECHS1	43.4	1.59E-266	-0.791	9	14.3	Q1
IPI00295741;	CTSB	25.4	6.00E-103	-0.791	8	25.7	Q1
IPI00760846;	MYO18A	7.6	5.54E-86	-0.790	12	5.9	Q1
IPI00884896;	TXNRD1	21.7	1.29E-108	-0.776	2	1.3	Q1
IPI00005087;	TMOD3	44.3	1.38E-300	-0.776	4	3.8	Q1
IPI00168036;	TMEM40	17.3	2.59E-54	-0.775	4	13.8	Q1
IPI00023549;	GRP	30.2	1.55E-19	-0.768	3	7.2	Q1
IPI00022479	HERC1	0.7	2.67E-05	-0.756	4	49.0	Q1
IPI00020602	CSNK2A2	18.6	3.94E-54	-0.747	2	91.2	Q1
IPI00298406;	HADH	20	3.57E-43	-0.742	6	7.3	Q1
IPI00001883;	SNX9	11.6	3.55E-48	-0.740	5	12.8	Q1
IPI00221108;	TYMS	10.2	8.67E-44	-0.733	2	25.1	Q1
IPI00745105;	C16orf13	25.5	1.04E-39	-0.729	2	39.9	Q1
IPI00015897;	CHORDC1	18.7	9.62E-62	-0.725	3	7.1	Q1
IPI00293276	MIF	23.5	2.09E-17	-0.719	2	111.8	Q1
IPI00217563;	ITGB1	26.8	9.83E-119	-0.714	40	12.7	Q1
IPI00217121	C19orf21	4.1	8.41E-03	-0.714	2	75.9	Q1
IPI00173359;	UACA	1.3	7.19E-19	-0.707	2	78.1	Q1
IPI00329536	EEA1	19.8	3.47E-136	-0.705	24	19.1	Q1
IPI00299402;	PC	25	1.44E-274	-0.697	24	5.3	Q1
IPI00028031;	ACADVL	19.5	3.29E-90	-0.694	6	8.9	Q1
IPI00299088;	BAIAP2	21.7	1.86E-38	-0.692	7	117.9	Q1
IPI00019997;	LIN7C	31	1.49E-20	-0.677	2	3.0	Q1
IPI00217272;	AACS	11.5	1.01E-17	-0.666	5	29.2	Q1
IPI00023598;	TUBB4	9.7	<1.0E-304	-0.662	4	48.9	Q1
IPI00219452;	ACOT7	43.5	3.05E-204	-0.658	7	22.8	Q1
IPI00290043;	ITGA3	11	3.18E-90	-0.656	13	18.3	Q1
IPI00027981	RAB38	21.2	8.73E-36	-0.655	4	2.1	Q1
IPI00883896;	LIMA1	41.6	1.65E-302	-0.654	26	26.8	Q1
IPI00873344;	TPD52	40.7	2.39E-111	-0.649	5	3.1	Q1
IPI00218729;	DLG1	2.6	2.83E-09	-0.647	2	43.4	Q1
IPI00844303;	UNC84A	2.3	2.65E-04	-0.644	2	12.0	Q1

IPI00218895	POLR2G	18.6	2.85E-30	-0.641	2	27.5	Q1
IPI00216219;	TJP1	11.4	2.42E-97	-0.635	17	34.6	Q1
IPI00061203	ITPKC	2.8	3.30E-03	-0.628	2	10.0	Q1
IPI00019463;	EIF2AK2	18.1	2.12E-56	-0.627	10	5.9	Q1
IPI00472160;	ARHGEF2	10.8	1.17E-36	-0.624	9	15.9	Q1
IPI00377045;	LAMA3	14	<1.0E-304	-0.612	49	35.5	Q1
IPI00010779;	TPM4	46.4	1.51E-235	-0.612	16	34.9	Q1
IPI00018314;	SEC14L2	22.1	1.82E-25	-0.608	2	13.0	Q1
IPI00008215	ME1	11.2	6.49E-26	-0.606	2	16.4	Q1
IPI00295485;	HSPA4L	15.1	2.60E-218	-0.600	9	8.9	Q1
IPI00018415;	TM9SF2	6.2	3.61E-56	-0.594	3	9.1	Q1
IPI00289876;	STX7	29.5	6.09E-81	-0.593	4	9.3	Q1
IPI00642211;	RNPEP	17.9	2.90E-63	-0.593	5	9.5	Q1
IPI00215768	GCLC	4.2	4.24E-06	-0.586	2	1.2	Q1
IPI00011836;	USP4	2.2	1.26E-05	-0.578	2	33.7	Q1
IPI00030774;	TBCD	14	2.21E-56	-0.575	17	7.6	Q1
IPI00219036	DICER1	1.4	9.44E-13	-0.570	2	6.6	Q1
IPI00514501;	C1orf57	33.8	8.34E-48	-0.567	4	3.9	Q1
IPI00643567	CAP1	9.2	<1.0E-304	-0.549	2	2.8	Q1
IPI00329719;	MYO1D	4.5	6.87E-22	-0.542	4	2.8	Q1
IPI00018744;	TRADD	10.6	8.77E-10	-0.542	2	12.3	Q1
IPI00328350;	FAM129A	12.6	1.12E-75	-0.534	13	30.0	Q1
IPI00410034;	SLC38A2	11.9	8.71E-40	-0.530	3	13.3	Q1
IPI00023555;	OSBPL3	6.2	2.53E-88	-0.530	4	8.1	Q1
IPI00216919;	YAP2	3.6	1.10E-08	-0.527	2	3.1	Q1
IPI00871686;	CLASP2	4.3	8.08E-83	-0.527	5	7.9	Q1
IPI00926820;	SLC4A7	3.7	6.54E-66	-0.527	4	10.3	Q1
IPI00893770;	SMTN	13.3	9.58E-97	-0.527	11	20.5	Q1
IPI00005826	HERC2	1.4	5.52E-14	-0.524	6	25.5	Q1
IPI00856116;	PALLD	8.8	5.37E-61	-0.521	10	9.9	Q1
IPI00013475;	TUBB2A	8.1	<1.0E-304	-0.519	2	42.6	Q1
IPI00015947;	DNAJB1	42.9	5.81E-93	-0.517	4	5.5	Q1
IPI00008728	CLPX	8.1	1.10E-47	-0.516	3	16.3	Q1

IPI00020557;	LRP1	0.8	3.21E-12	-0.514	3	3.3	Q1
IPI00550181;	CHMP2B	12.7	4.25E-15	-0.512	2	3.2	Q1
IPI00009841;	EWSR1	5.3	5.52E-38	-0.512	2	12.4	Q1
IPI00294472;	TMED5	21.4	1.82E-36	-0.512	3	10.6	Q1
IPI00019400	TPMT	20.8	2.73E-36	-0.508	4	6.3	Q1
IPI00296485	MAP1S	2.4	1.06E-24	-0.508	2	58.5	Q1
IPI00291215;	PARP14	3.3	1.36E-39	-0.507	4	9.7	Q1
IPI00022891;	SLC25A4	9.1	3.07E-89	-0.504	3	29.5	Q1
IPI00008274;	CAP1	61.9	<1.0E-304	-0.502	17	6.4	Q1
IPI00010187;	ELOVL1	4.7	4.67E-26	-0.497	2	3.2	Q2
IPI00220154;	MYO5A	3.8	4.24E-73	-0.495	7	16.3	Q2
IPI00375731;	RBM10	2.1	4.68E-05	-0.493	2	44.5	Q2
IPI00306048;	ATAD3B	6.5	4.77E-23	-0.492	2	4.6	Q2
IPI00024705;	GIPC1	37.8	1.78E-132	-0.491	8	9.9	Q2
IPI00167949;	MX1	47.3	<1.0E-304	-0.491	16	9.0	Q2
IPI00003766	ETHE1	51.2	7.33E-126	-0.488	7	5.6	Q2
IPI00013933;	DSP	56.1	<1.0E-304	-0.484	276	39.6	Q2
IPI00017672;	NP	76.8	4.16E-295	-0.482	30	13.3	Q2
IPI00027280;	TOP2B	4.2	7.08E-102	-0.480	7	10.7	Q2
IPI00914566;	FDPS	20.3	1.83E-83	-0.475	2	12.1	Q2
IPI00010882;	DFFA	17.5	7.42E-15	-0.469	4	75.4	Q2
IPI00216694;	PLS3	55.7	<1.0E-304	-0.464	22	21.0	Q2
IPI00003326;	ARL2	23.9	6.90E-33	-0.460	5	38.7	Q2
IPI00872610;	CHCHD2	26.3	2.94E-26	-0.459	2	8.4	Q2
IPI00022810;	CTSC	26.6	2.11E-272	-0.458	13	11.5	Q2
IPI00024403;	CPNE3	25.7	2.82E-133	-0.455	2	0.2	Q2
IPI00023673;	LGALS3BP	12.8	1.15E-39	-0.454	5	17.5	Q2
IPI00291646;	MTHFD1L	14.3	3.08E-75	-0.450	12	17.2	Q2
IPI00174390;	PDE12	6.4	4.81E-18	-0.447	3	3.6	Q2
IPI00216313;	VSNL1	17.8	2.20E-10	-0.445	2	25.9	Q2
IPI00654744;	SYNGR2	13.8	1.66E-11	-0.443	2	12.1	Q2
IPI00009904;	PDIA4	47.6	<1.0E-304	-0.442	23	27.2	Q2
IPI00003843;	TJP2	35.1	8.89E-278	-0.441	45	14.3	Q2

IPI00026268;	GNB1	13.5	2.46E-184	-0.441	2	7.8	Q2
IPI00011107	IDH2	23.2	2.71E-60	-0.441	3	9.2	Q2
IPI00021267;	EPHA2	12.9	5.18E-138	-0.438	12	18.7	Q2
IPI00100154;	TOLLIP	25.2	1.45E-37	-0.438	5	11.9	Q2
IPI00002349;	NUFIP2	7.1	5.58E-15	-0.435	4	43.6	Q2
IPI00021327;	GRB2	48.4	1.33E-44	-0.432	8	7.9	Q2
IPI00439948;	PPP1R13L	24.5	2.02E-110	-0.431	14	8.6	Q2
IPI00257882;	PEPD	9.1	1.04E-40	-0.427	2	1.0	Q2
IPI00013455;	CLIP1	2.2	3.09E-08	-0.426	4	18.9	Q2
IPI00028412	SSSCA1	15.1	1.31E-04	-0.423	2	4.7	Q2
IPI00215687;	GLS	26.4	4.10E-81	-0.422	3	5.9	Q2
IPI00294879;	RANGAP1	40.4	<1.0E-304	-0.419	17	21.2	Q2
IPI00550069	RNH1	56.6	<1.0E-304	-0.413	14	11.5	Q2
IPI00024551;	C15orf24	19.4	1.65E-06	-0.409	3	4.3	Q2
IPI00295487;	KIF13A	3.7	2.17E-18	-0.408	6	19.9	Q2
IPI00180954;	CIRBP	20.9	2.10E-39	-0.407	3	8.4	Q2
IPI00893743;	NRBP1	5.7	7.94E-09	-0.405	2	12.9	Q2
IPI00015944;	EML2	6.6	3.03E-29	-0.405	3	4.9	Q2
IPI00020887;	VAMP7	18.6	6.96E-11	-0.404	2	26.1	Q2
IPI00871372;	HECTD1	3	2.34E-08	-0.404	9	23.2	Q2
IPI00013890;	SFN	67.7	2.31E-284	-0.400	36	15.1	Q2
IPI00010080;	OXSR1	20.3	4.23E-179	-0.399	3	51.9	Q2
IPI00867509;	CORO1C	31.3	1.03E-220	-0.398	4	12.2	Q2
IPI00174190;	PTPMT1	12.4	1.32E-33	-0.398	2	1.9	Q2
IPI00024320;	RBM3	31.8	5.33E-62	-0.396	6	9.2	Q2
IPI00872497;	EI24	5.3	1.18E-02	-0.396	2	13.9	Q2
IPI00334282;	FAM3C	51.1	8.26E-215	-0.394	5	4.3	Q2
IPI00414320;	ANXA11	27.4	2.10E-165	-0.393	6	115.2	Q2
IPI00018434;	TSG101	18.2	9.04E-32	-0.391	2	1.2	Q2
IPI00294840;	AIM1	9.5	1.66E-202	-0.389	13	8.2	Q2
IPI00217630;	DHX37	2.9	4.60E-12	-0.384	3	3.4	Q2
IPI00644231;	CYFIP1	26	8.54E-223	-0.382	37	20.5	Q2
IPI00328293;	SRRM1	5	2.43E-19	-0.381	5	7.7	Q2

IPI00019345;	RAP1A	15.2	1.69E-56	-0.377	2	8.2	Q2
IPI00384444;	KRT14	81.6	<1.0E-304	-0.372	335	92.1	Q2
IPI00017292;	CTNNB1	21.9	1.32E-179	-0.371	16	4.6	Q2
IPI00019869;	S100A2	54.1	9.02E-141	-0.371	6	12.8	Q2
IPI00299404;	LAMB3	47.3	<1.0E-304	-0.371	66	7.0	Q2
IPI00044748;	FMNL2	5.4	1.45E-25	-0.371	5	5.6	Q2
IPI00029834;	RTKN	9.4	2.43E-53	-0.369	4	4.7	Q2
IPI00337530;	REPS1	7	3.89E-29	-0.368	5	18.4	Q2
IPI00003565;	PSMD10	16.4	6.48E-13	-0.367	2	11.3	Q2
IPI00382843;	PRNP	14.7	9.90E-40	-0.367	2	7.5	Q2
IPI00922223;	ATP6V0D1	16.8	2.97E-49	-0.366	2	11.3	Q2
IPI00658023;	PTPN11	3.5	1.09E-05	-0.366	2	8.9	Q2
IPI00023647;	UBA6	29.4	4.55E-278	-0.365	46	11.9	Q2
IPI00018206;	GOT2	47.7	1.95E-215	-0.363	10	8.1	Q2
IPI00000686;	RBM19	2.8	6.09E-09	-0.362	3	4.0	Q2
IPI00296909	PARP4	6.6	4.63E-74	-0.362	9	11.0	Q2
IPI00328753;	KTN1	22.8	2.00E-182	-0.362	33	43.9	Q2
IPI00013808;	ACTN4	74	<1.0E-304	-0.362	94	12.4	Q2
IPI00024290;	IRF6	29.8	1.68E-129	-0.359	3	4.7	Q2
IPI00023510;	RAB5A	24.2	1.45E-89	-0.359	4	10.3	Q2
IPI00465299;	SLC12A6	2.4	3.03E-07	-0.359	3	8.2	Q2
IPI00060031	ARL8A	16.7	2.12E-62	-0.357	4	30.9	Q2
IPI00000764;	PLEKHM1	1.4	3.84E-04	-0.357	2	8.2	Q2
IPI00007818;	CPSF3	5.4	2.55E-08	-0.356	3	25.0	Q2
IPI00296191;	ATP6V1H	10.8	2.07E-67	-0.355	2	0.8	Q2
IPI00001655;	C16orf80	16.6	1.69E-37	-0.354	4	15.9	Q2
IPI00607554;	USP47	5.1	8.54E-59	-0.353	5	12.2	Q2
IPI00218918;	ANXA1	78.6	<1.0E-304	-0.352	44	120.4	Q2
IPI00442073;	CSRP1	55.4	1.29E-128	-0.349	6	7.4	Q2
IPI00011898;	EIF2B5	2.4	7.10E-08	-0.349	2	1.9	Q2
IPI00386122;	MOBK13	26.2	9.96E-18	-0.348	4	1.3	Q2
IPI00030781;	STAT1	37.6	1.25E-223	-0.348	22	12.5	Q2
IPI00000684;	UAP1	24.5	2.57E-104	-0.348	4	14.4	Q2

IPI00027803;	PARP9	3.6	1.41E-19	-0.346	3	40.6	Q2
IPI00300567;	DCI	16.9	4.35E-46	-0.346	4	8.3	Q2
IPI00513791;	DOCK7	4.5	1.09E-95	-0.345	7	19.7	Q2
IPI00184363;	GLTP	22	1.90E-66	-0.342	3	11.5	Q2
IPI00021399	FGFBP1	24.8	8.14E-37	-0.341	3	4.0	Q2
IPI00006176;	HGS	15.8	2.00E-60	-0.338	10	11.7	Q2
IPI00828098;	RNF213	0.6	2.92E-87	-0.338	2	33.5	Q2
IPI00922855;	TUBGCP2	4.9	4.86E-20	-0.338	2	7.6	Q2
IPI00024524;	PNO1	8.7	3.70E-14	-0.337	3	17.5	Q2
IPI00783378;	UBE2O	5.1	5.16E-42	-0.336	5	4.6	Q2
IPI00299084	TMEM33	30.4	3.69E-52	-0.336	10	5.0	Q2
IPI00032905	VPS33B	5.2	1.62E-28	-0.334	2	11.4	Q2
IPI00217519;	RALA	26.2	2.22E-41	-0.334	10	14.7	Q2
IPI00514587;	SARS	29.7	3.99E-83	-0.334	5	46.1	Q2
IPI00015117;	LAMC2	47	<1.0E-304	-0.331	57	11.6	Q2
IPI00018946;	PANK4	3.3	7.70E-12	-0.330	2	11.9	Q2
IPI00748145;	GNAI2	49	1.43E-188	-0.330	6	19.0	Q2
IPI00017895;	GPD2	26	4.40E-110	-0.329	9	17.4	Q2
IPI00294739;	SAMHD1	6.5	1.74E-57	-0.329	2	7.9	Q2
IPI00014377	RAB32	30.2	1.87E-34	-0.328	3	13.3	Q2
IPI00034006;	PTPN23	2.6	8.71E-11	-0.327	4	26.2	Q2
IPI00784320;	FAM83H	37.4	<1.0E-304	-0.326	38	39.9	Q2
IPI00436705	MORC3	2.3	2.48E-02	-0.323	2	6.5	Q2
IPI00020472;	TMEM111	18.4	9.71E-72	-0.323	3	8.5	Q2
IPI00409684;	NCKAP1	17.2	4.56E-94	-0.323	22	9.8	Q2
IPI00006907;	TIGAR	37.4	6.68E-123	-0.323	4	7.0	Q2
IPI00013877;	HNRNPH3	30.9	1.80E-120	-0.321	14	9.9	Q2
IPI00797384;	LARP4	7.4	1.71E-15	-0.321	5	18.0	Q2
IPI00871890;	PICALM	14.8	4.56E-154	-0.320	5	9.0	Q2
IPI00154473;	GFM1	12.1	1.35E-63	-0.319	6	31.6	Q2
IPI00020178;	STAM	3.9	7.81E-26	-0.318	2	14.4	Q2
IPI00927647;	POR	11.5	6.71E-24	-0.315	5	24.7	Q2
IPI00006713;	DNAJC3	19	3.03E-62	-0.314	2	17.5	Q2

IPI00333143;	DGKA	23.5	4.49E-220	-0.313	13	7.5	Q2
IPI00219757;	GSTP1	67.1	<1.0E-304	-0.313	30	72.7	Q2
IPI00783313;	PYGL	40.9	<1.0E-304	-0.311	39	7.7	Q2
IPI00026445;	POLR1B	5.8	1.24E-35	-0.311	5	6.2	Q2
IPI00397366;	PPFIBP1	15.3	2.65E-124	-0.311	16	6.2	Q2
IPI00220739;	PGRMC1	34.9	9.94E-107	-0.309	5	18.8	Q2
IPI00073096;	TRIM29	26.9	3.78E-62	-0.308	9	5.5	Q2
IPI00339384;	RDH11	35.5	5.93E-113	-0.307	6	5.7	Q2
IPI00003269	ACTBL2	8.5	1.84E-100	-0.306	4	27.0	Q2
IPI00000070;	LDLR	21.5	6.24E-160	-0.305	23	14.7	Q2
IPI00913873;	ECD	3.5	1.43E-05	-0.304	2	2.7	Q2
IPI00640092;	SH3PXD2A	3.9	1.16E-32	-0.303	4	12.0	Q2
IPI00480056;	RAB4A	37.2	1.70E-67	-0.303	5	10.8	Q2
IPI00220014;	IDI1	25.4	4.31E-75	-0.302	7	4.1	Q2
IPI00004358;	PYGB	60.3	<1.0E-304	-0.301	53	14.7	Q2
IPI00011126;	PSMC1	33	6.84E-203	-0.300	4	13.3	Q2
IPI00743335;	MYO1C	37.1	<1.0E-304	-0.299	33	16.0	Q2
IPI00178187;	EHBP1	7.9	1.54E-53	-0.299	8	29.7	Q2
IPI00329596;	TMX2	12.1	1.17E-24	-0.299	4	6.3	Q2
IPI00604464;	UBE3C	3.2	6.76E-16	-0.298	4	16.3	Q2
IPI00018522;	PRMT1	47.2	2.88E-237	-0.298	6	15.9	Q2
IPI00003348;	GNB2	27.9	1.63E-164	-0.295	5	26.3	Q2
IPI00163849;	EPS15L1	3.5	1.02E-37	-0.295	3	6.8	Q2
IPI00872773;	ERO1L	40	1.63E-212	-0.292	5	11.0	Q2
IPI00291467;	SLC25A6	20.5	1.26E-128	-0.291	9	52.0	Q2
IPI00029629	TRIM25	21.7	7.30E-143	-0.291	7	11.9	Q2
IPI00010586;	TMF1	6.4	4.39E-38	-0.291	6	9.8	Q2
IPI00922240	ACTB	9.8	<1.0E-304	-0.288	9	131.6	Q2
IPI00329572;	PACSIN3	8.3	7.23E-23	-0.287	3	5.8	Q2
IPI00027422;	ITGB4	29.4	<1.0E-304	-0.286	74	16.6	Q2
IPI00926109;	DHX30	14.6	3.50E-86	-0.285	16	6.4	Q2
IPI00182540;	CTNND1	29.5	2.70E-299	-0.285	29	43.8	Q2
IPI00019971;	STXBP2	11.4	1.20E-23	-0.283	4	12.1	Q2

IPI00449049;	PARP1	23.4	2.46E-156	-0.283	28	9.7	Q2
IPI00023006;	ACTC1	4.2	5.11E-170	-0.281	9	6.4	Q2
IPI00029737;	ACSL4	14.2	1.24E-75	-0.279	7	15.1	Q2
IPI00299635;	BIRC6	6	4.38E-71	-0.274	26	10.6	Q2
IPI00002424	PLEKHF2	4	5.29E-03	-0.273	3	67.9	Q2
IPI00009320;	TMEM85	26.8	1.34E-64	-0.273	2	6.1	Q2
IPI00419373;	HNRNPA3	31.5	8.85E-218	-0.272	7	242.2	Q2
IPI00013174;	RBM14	12.3	2.87E-25	-0.268	7	22.2	Q2
IPI00030702;	IDH3A	40.7	9.95E-126	-0.268	10	20.4	Q2
IPI00180154;	ATXN2	3	3.58E-14	-0.266	3	11.0	Q2
IPI00015351;	C1orf128	16.6	2.82E-08	-0.264	3	7.8	Q2
IPI00394758;	ALDH3A2	12.6	2.46E-57	-0.264	2	2.7	Q2
IPI00025815;	TARDBP	10.8	2.59E-30	-0.263	2	8.8	Q2
IPI00008475;	HMGCS1	44.2	<1.0E-304	-0.261	9	10.9	Q2
IPI00929268;	UTP20	5.9	4.20E-45	-0.260	17	8.6	Q2
IPI00216134;	TPM1	28.2	3.03E-70	-0.259	6	14.7	Q2
IPI00007812;	ATP6V1B2	25	1.46E-122	-0.259	3	1.3	Q2
IPI00029046;	MLEC	17.8	6.28E-39	-0.258	2	1.1	Q2
IPI00178750;	NIP30	9.8	2.18E-39	-0.258	2	27.9	Q2
IPI00376025;	DHRS4	6.8	3.89E-06	-0.258	2	11.6	Q2
IPI00009315	ACBD3	4.4	7.78E-03	-0.258	2	0.4	Q2
IPI00916904;	GIGYF2	10.2	1.11E-94	-0.256	11	12.8	Q2
IPI00026216;	NPEPPS	28.4	3.89E-130	-0.256	23	5.1	Q2
IPI00016342;	RAB7A	85	7.10E-230	-0.256	25	11.2	Q2
IPI00910513;	GSPT1	18.2	2.30E-69	-0.256	7	14.6	Q2
IPI00444945;	BAX	34.4	1.17E-161	-0.255	7	18.3	Q2
IPI00007188	SLC25A5	50.7	1.07E-172	-0.255	34	57.6	Q2
IPI00219675;	RAC1	48.3	1.04E-154	-0.255	17	15.1	Q2
IPI00031812;	YBX1	43.8	9.88E-243	-0.255	5	11.1	Q2
IPI00411426;	VPS26A	37	4.93E-115	-0.255	3	5.1	Q2
IPI00031023;	FLII	24.5	3.71E-238	-0.254	32	9.3	Q2
IPI00103940	MFS10	2.9	2.64E-11	-0.254	2	3.5	Q2
IPI00014197;	CDV3	14	4.80E-37	-0.253	3	19.4	Q2

IPI00166079;	VKORC1L1	10.8	7.68E-04	-0.252	2	6.1	Q2
IPI00396321	LRRCS9	42	<1.0E-304	-0.252	15	7.4	Q2
IPI00794402;	ARHGDI1	37.3	2.31E-243	-0.250	11	5.1	Q2
IPI00014577;	RAB18	51	9.01E-144	-0.249	12	8.2	Q2
IPI00787827;	PITRM1	13.4	2.69E-42	-0.249	9	25.5	Q2
IPI00015148;	RAP1B	41.8	1.19E-102	-0.248	8	7.3	Q2
IPI00016746;	CBFB	23.6	1.04E-85	-0.247	3	20.9	Q2
IPI00012512;	RRAS2	35.7	3.74E-93	-0.247	5	5.4	Q2
IPI00007001;	MRPL11	46.9	2.06E-43	-0.247	5	11.2	Q2
IPI00411705;	CLLD6	18.4	1.27E-09	-0.247	3	4.0	Q2
IPI00152658;	NEK7	16.2	3.63E-09	-0.245	2	19.1	Q2
IPI00292134;	EPS15	2.8	7.53E-05	-0.245	4	23.0	Q2
IPI00020944;	FDFT1	41	1.63E-204	-0.244	7	11.2	Q2
IPI00221012;	USP9X	5.6	2.95E-45	-0.243	13	11.7	Q2
IPI00418169;	DKFZp686P03159	74.2	<1.0E-304	-0.242	95	46.7	Q2
IPI00005740;	COX4NB	29	9.08E-29	-0.240	5	10.5	Q2
IPI00026337;	RANBP3	8.8	2.09E-36	-0.240	3	2.2	Q2
IPI00019899;	SC4MOL	11.3	5.52E-44	-0.240	2	15.2	Q2
IPI00796891;	GOLGB1	11.1	9.88E-171	-0.239	41	19.0	Q2
IPI00102864;	HK2	14.4	1.51E-138	-0.239	11	11.8	Q2
IPI00021983;	NCSTN	7.2	1.48E-21	-0.236	7	25.8	Q2
IPI00554521;	FTH1	46.4	8.78E-49	-0.234	6	30.1	Q2
IPI00301618	SDCCAG1	4	5.90E-18	-0.233	5	9.6	Q2
IPI00927614;	GOLGA4	2.3	7.65E-31	-0.233	4	12.2	Q2
IPI00017344;	RAB5B	24.2	9.37E-80	-0.231	2	7.3	Q2
IPI00290279;	ADK	29.8	1.41E-95	-0.231	3	7.7	Q2
IPI00003856;	ATP6V1E1	34.5	5.88E-50	-0.230	4	9.5	Q2
IPI00014456;	STRN	6.3	1.40E-26	-0.229	4	1.6	Q2
IPI00002552;	AP1M2	8.7	1.80E-11	-0.227	2	9.1	Q2
IPI00306518;	FANCI	2.5	1.73E-29	-0.226	3	21.3	Q2
IPI00009867;	KRT5	46.8	<1.0E-304	-0.226	194	64.2	Q2
IPI00007309;	TIMM23	26.3	5.99E-129	-0.225	4	2.5	Q2
IPI00003965;	USP7	22.3	1.26E-57	-0.225	25	15.6	Q2

IPI00176903;	PTRF	22.3	6.86E-246	-0.224	7	6.0	Q2
IPI00002580	PIK3C2A	1.5	3.54E-20	-0.223	2	1.7	Q2
IPI00395605;	ARHGEF1	11.5	8.53E-84	-0.223	11	6.1	Q2
IPI00007755;	RAB21	39.1	7.23E-115	-0.223	6	4.8	Q2
IPI00304754;	FERMT1	25.7	2.15E-118	-0.223	9	18.2	Q2
IPI00744711;	PNPT1	9.8	8.63E-11	-0.222	4	4.4	Q2
IPI00412344;	SRPK1	7.3	6.79E-25	-0.222	3	9.2	Q2
IPI00299904;	MCM7	20.3	1.32E-86	-0.219	11	8.2	Q2
IPI00006451;	NSF	6.9	1.19E-08	-0.219	2	3.6	Q2
IPI00644697;	HEBP2	35	1.01E-110	-0.218	4	5.7	Q2
IPI00024821;	PSMD14	43.5	2.29E-56	-0.217	4	12.4	Q2
IPI00215777;	SLC25A3	45.4	2.07E-221	-0.217	20	8.2	Q2
IPI00217943;	RAB6A	62.5	5.09E-93	-0.215	14	5.1	Q2
IPI00373869;	C17orf49	24.5	5.53E-52	-0.215	3	5.2	Q2
IPI00028481;	RAB8A	33.8	1.14E-97	-0.212	10	16.5	Q2
IPI00102059;	SCYL1	4.3	1.09E-04	-0.211	3	6.2	Q2
IPI00642984;	BCAP31	25.9	3.92E-62	-0.210	11	92.0	Q2
IPI00923468;	SMARCA4	2.1	1.03E-07	-0.208	2	2.1	Q2
IPI00921873;	NEDD4	3.4	9.99E-45	-0.208	3	3.7	Q2
IPI00028946;	RTN3	15.3	3.43E-18	-0.207	4	12.6	Q2
IPI00216457;	HIST2H2AA3	62.3	1.91E-91	-0.206	19	191.2	Q2
IPI00027434;	RHOC	23.3	5.12E-220	-0.204	2	1.2	Q2
IPI00021405;	LMNA	65.4	<1.0E-304	-0.204	51	8.8	Q2
IPI00168388;	SRP68	17.9	1.26E-63	-0.204	5	9.0	Q2
IPI00166555;	RBM26	2.4	4.62E-02	-0.204	3	6.6	Q2
IPI00301202;	MAGT1	7.4	9.99E-10	-0.203	2	6.0	Q2
IPI00845479;	CUGBP2	3.1	1.36E-07	-0.202	2	0.8	Q2
IPI00026089;	SF3B1	28	2.62E-190	-0.202	34	9.3	Q2
IPI00791086;	EIF3D	18.8	2.25E-177	-0.202	7	3.9	Q2
IPI00329583;	SPATA5	2.9	6.40E-17	-0.200	2	4.0	Q2
IPI00218620;	SON	5.2	7.40E-67	-0.200	9	11.8	Q2
IPI00796337;	PCBP2	21.6	2.90E-190	-0.199	6	12.7	Q2
IPI00177509	TRAPPC5	23.9	2.05E-09	-0.199	4	5.0	Q2

IPI00553131;	GALE	35.6	2.01E-78	-0.199	6	7.7	Q2
IPI00246058;	PDCD6IP	42.2	<1.0E-304	-0.199	41	62.8	Q2
IPI00218728;	PAFAH1B1	20.2	6.13E-78	-0.198	2	15.6	Q2
IPI00479262;	EIF4G1	26.7	<1.0E-304	-0.198	68	16.0	Q2
IPI00216719;	ERC1	20.3	2.44E-107	-0.198	23	6.5	Q2
IPI00873459;	10-Sep	13.8	6.20E-41	-0.197	2	12.7	Q2
IPI00478231;	RHOA	59.6	4.08E-243	-0.197	23	10.8	Q2
IPI00026952	PKP3	42.9	<1.0E-304	-0.196	26	9.0	Q2
IPI00647286;	C9orf88	30.6	3.63E-228	-0.195	18	5.1	Q2
IPI00014149	TTC35	30.3	1.54E-143	-0.195	6	10.5	Q2
IPI00174962;	MICALL1	9.8	4.09E-29	-0.194	7	16.4	Q2
IPI00107693;	MED15	3.7	2.52E-05	-0.194	2	14.2	Q2
IPI00103884;	OVCA2	23.8	5.56E-41	-0.194	4	160.7	Q2
IPI00011274;	HNRPDL	18.8	4.52E-171	-0.194	4	20.7	Q2
IPI00419237;	LAP3	41	1.77E-179	-0.194	2	1.3	Q2
IPI00784614;	Ov/Br septin	33.4	5.81E-240	-0.194	18	27.5	Q2
IPI00296526;	NAGK	40.3	4.02E-187	-0.193	9	6.1	Q2
IPI00307359;	OSBPL9	2.7	1.56E-05	-0.192	3	13.0	Q2
IPI00333010;	CHERP	7.8	5.79E-29	-0.191	7	12.0	Q2
IPI00000005	NRAS	39.2	2.94E-54	-0.190	5	6.0	Q2
IPI00033600;	PPP1R7	25.6	2.06E-109	-0.190	3	3.2	Q2
IPI00300096;	RAB35	24.9	8.11E-33	-0.189	3	6.7	Q2
IPI00289758;	CAPN2	35.3	4.69E-300	-0.188	17	105.6	Q2
IPI00328913;	VPS28	37.3	3.54E-102	-0.187	6	4.9	Q2
IPI00298558;	PDCD10	41	1.45E-104	-0.186	7	13.9	Q2
IPI00027993	RAB25	19.2	5.10E-23	-0.185	4	14.9	Q2
IPI00450768;	KRT17	66	<1.0E-304	-0.184	89	74.5	Q2
IPI00911038	MYH9	4.8	7.36E-23	-0.184	6	5.5	Q2
IPI00182757;	KIAA1967	19	5.92E-96	-0.181	20	10.1	Q2
IPI00075081;	FANCD2	1.4	7.23E-07	-0.181	2	9.0	Q2
IPI00178150;	KIF4A	2.7	2.35E-11	-0.180	3	4.3	Q2
IPI00143753;	SR140	15.5	2.63E-168	-0.180	17	15.0	Q2
IPI00017375;	SEC23A	20.8	3.48E-203	-0.179	8	16.1	Q2

IPI00294619;	TFG	17	1.02E-31	-0.178	3	29.2	Q2
IPI00873622;	WDR1	29.3	1.50E-158	-0.178	11	7.8	Q2
IPI00014263	EIF4H	53.6	5.68E-157	-0.178	14	6.6	Q2
IPI00032561;	CAB39	41.6	7.89E-78	-0.177	5	6.6	Q2
IPI00642584;	KIAA0090	12.4	1.98E-89	-0.177	9	4.7	Q2
IPI00793199;	ANXA4	61.1	4.33E-267	-0.176	25	5.9	Q2
IPI00068506;	ABCF2	14	3.32E-40	-0.175	7	69.9	Q2
IPI00221106;	SF3B2	21.6	1.29E-152	-0.174	25	9.1	Q2
IPI00028957;	UBE4A	3.5	3.08E-16	-0.174	3	6.8	Q2
IPI00007676;	HSD17B12	41	1.72E-109	-0.174	14	5.9	Q2
IPI00019407;	NSDHL	22.8	1.38E-38	-0.173	5	7.9	Q2
IPI00783271;	LRPPRC	48.1	<1.0E-304	-0.172	84	7.3	Q2
IPI00005719;	RAB1A	70.2	7.18E-269	-0.172	25	34.6	Q2
IPI00293026;	EFTUD1	19.3	2.04E-109	-0.172	21	11.2	Q2
IPI00002804;	PKN2	9.1	5.38E-41	-0.171	9	13.0	Q2
IPI00465432;	NOMO2	19.3	1.84E-173	-0.171	23	5.8	Q2
IPI00015773;	COMMD3	14.4	1.30E-07	-0.171	2	3.9	Q2
IPI00385267	SRPR	15.5	9.86E-87	-0.170	9	5.9	Q2
IPI00171798	MTA2	10.3	4.16E-07	-0.169	8	8.3	Q2
IPI00016513	RAB10	50	6.51E-111	-0.169	13	4.6	Q2
IPI00402657;	RPAP1	3.7	3.91E-26	-0.169	4	3.9	Q2
IPI00300074	FARSB	37	2.11E-109	-0.169	14	12.1	Q2
IPI00873435;	UBE2G1	9.7	1.09E-21	-0.169	3	10.9	Q2
IPI00409671;	DDX42	10.2	5.20E-42	-0.168	8	11.5	Q2
IPI00017283	IARS2	17.3	6.10E-76	-0.167	14	13.6	Q2
IPI00171438;	TXNDC5	23.1	1.93E-63	-0.167	5	10.0	Q2
IPI00290198	IL18	31.6	3.70E-60	-0.166	6	4.7	Q2
IPI00221327;	RTCD1	9	2.16E-20	-0.166	2	10.6	Q2
IPI00015953;	DDX21	45.1	<1.0E-304	-0.166	40	80.1	Q2
IPI00018350;	MCM5	17.8	8.02E-81	-0.165	11	33.2	Q2
IPI00012382;	SNRPA	15.2	3.98E-11	-0.165	3	4.0	Q2
IPI00289601;	HDAC2	12.4	2.69E-86	-0.164	5	7.3	Q2
IPI00216048;	PITPNA	28.5	6.15E-24	-0.164	3	11.7	Q2

IPI00335849;	RASAL2	1.7	3.96E-03	-0.163	2	9.2	Q2
IPI00021440;	ACTG1	77.3	<1.0E-304	-0.163	159	72.6	Q2
IPI00008998;	PTPLAD1	11.6	1.31E-31	-0.163	5	6.1	Q2
IPI00797684;	ESRP1	6.9	5.54E-24	-0.162	4	20.9	Q2
IPI00026519;	PPIF	30	6.03E-116	-0.162	7	4.5	Q2
IPI00016339;	RAB5C	54.2	2.22E-175	-0.162	19	9.6	Q2
IPI00218924;	CHP	47.2	4.66E-141	-0.161	5	94.6	Q2
IPI00306604	ITGA5	10.5	5.89E-126	-0.160	5	5.1	Q2
IPI00032423;	DDX52	7.2	2.68E-29	-0.160	3	49.2	Q2
IPI00029012	EIF3A	43	1.44E-244	-0.159	109	10.2	Q2
IPI00307409;	MRPL9	19.1	5.17E-23	-0.159	4	6.6	Q2
IPI00294211;	DHX38	4.4	3.37E-21	-0.159	6	7.9	Q2
IPI00031169;	RAB2A	67	1.39E-184	-0.159	16	3.6	Q2
IPI00455153;	NFU1	26	2.06E-27	-0.157	3	26.6	Q2
IPI00785113;	LRRFIP1	24.5	6.79E-247	-0.157	19	4.1	Q2
IPI00640703;	XPO5	19.9	2.48E-146	-0.157	21	7.9	Q2
IPI00384689;	PDXDC1	8	3.47E-99	-0.157	5	7.7	Q2
IPI00790757;	DUSP3	26.7	1.81E-65	-0.157	3	7.2	Q2
IPI00396279;	CLASP1	8	4.82E-40	-0.156	12	9.1	Q2
IPI00301323;	DDX18	10.7	2.02E-20	-0.156	4	6.8	Q2
IPI00030706	AHSA1	40.8	1.44E-113	-0.154	6	7.6	Q2
IPI00027505;	ITGAV	15.6	1.79E-91	-0.153	15	9.3	Q2
IPI00007682	ATP6V1A	32.3	3.58E-176	-0.151	11	8.0	Q2
IPI00641788;	SNRPC	11.7	1.51E-33	-0.151	2	5.9	Q2
IPI00018236	GM2A	22.8	7.63E-07	-0.151	4	1.8	Q2
IPI00646015;	ACOT9	28.8	7.47E-79	-0.150	5	15.8	Q2
IPI00607584;	MYBBP1A	24.2	7.22E-208	-0.150	34	7.7	Q2
IPI00647650;	EIF3H	35.2	4.13E-74	-0.148	5	8.7	Q2
IPI00012149;	MPHOSPH10	4	3.59E-66	-0.148	2	7.9	Q2
IPI00295849;	RABGGTB	8.2	2.56E-05	-0.148	2	5.0	Q2
IPI00910194;	NUP153	4.3	3.53E-19	-0.147	6	13.2	Q2
IPI00018871;	ARL8B	26.9	1.11E-61	-0.146	8	21.8	Q2
IPI00643591;	AP1G1	16.6	2.08E-70	-0.146	6	3.9	Q2

IPI00001871	PAWR	11.8	9.70E-63	-0.146	3	12.9	Q2
IPI00300299	SPCS3	15	1.61E-09	-0.145	5	2.5	Q2
IPI00018931	VPS35	29.9	9.49E-261	-0.145	21	7.6	Q2
IPI00014068	PAK4	4.2	4.28E-14	-0.143	2	18.0	Q2
IPI00031650;	NUDT16L1	23.2	3.13E-34	-0.143	3	104.4	Q2
IPI00001568;	ATP6V1D	18.2	1.04E-50	-0.142	2	1.7	Q2
IPI00414315;	EPS8L2	6.6	6.33E-83	-0.142	3	1.4	Q2
IPI00877174;	OAS3	20	4.45E-84	-0.142	14	8.2	Q2
IPI00013297;	PDAP1	37.6	2.14E-108	-0.142	14	10.8	Q2
IPI00890837;	SMCHD1	3.4	6.55E-42	-0.141	7	7.8	Q2
IPI00456744;	SH3BP1	4.4	1.51E-26	-0.141	2	21.4	Q2
IPI00016608;	TMED2	23.9	1.80E-20	-0.141	4	16.0	Q2
IPI00719051;	EXOC5	5.1	1.35E-03	-0.141	2	3.6	Q2
IPI00924713;	PCYT1A	16.3	1.31E-91	-0.140	3	10.0	Q2
IPI00796864;	DPM1	32.5	1.57E-59	-0.140	6	6.0	Q2
IPI00023064;	HRPAP20	45.7	3.04E-21	-0.140	6	7.3	Q2
IPI00328415;	CYB5R3	45.5	6.12E-226	-0.139	12	4.9	Q2
IPI00012795;	EIF3I	50.2	3.45E-132	-0.138	4	6.0	Q2
IPI00021924	H1FX	18.8	2.32E-56	-0.138	3	5.9	Q2
IPI00016669	RHEB	35.9	1.25E-17	-0.138	3	2.9	Q2
IPI00827718;	MARK1	5.5	5.29E-17	-0.138	3	40.0	Q2
IPI00218319;	TPM3	72.6	3.78E-271	-0.138	35	9.4	Q2
IPI00017184;	EHD1	49.8	6.35E-202	-0.138	7	9.3	Q2
IPI00873410;	CNN3	28.5	6.81E-84	-0.138	5	6.4	Q2
IPI00017342	RHOG	45	5.19E-155	-0.138	7	3.4	Q2
IPI00019488	IMP3	25	2.41E-68	-0.137	3	7.1	Q2
IPI00642032;	TXNL1	41.5	1.28E-167	-0.136	5	2.1	Q2
IPI00782992;	SRRM2	7.6	4.24E-77	-0.136	23	15.1	Q2
IPI00016610	PCBP1	39	1.53E-254	-0.135	11	7.4	Q2
IPI00215948;	CTNNA1	51	<1.0E-304	-0.135	44	7.2	Q2
IPI00552073;	DHX16	8.8	6.05E-27	-0.134	8	25.3	Q2
IPI00004324;	TRAPPC3	36.1	1.75E-38	-0.133	7	11.1	Q2
IPI00291608;	PCNP	24.2	4.10E-23	-0.132	5	7.6	Q2

IPI00179713;	IGF2BP2	28.9	8.73E-129	-0.131	10	6.5	Q2
IPI00100656;	GPSN2	23.1	9.54E-26	-0.130	14	6.5	Q2
IPI00386114;	SF1	9.5	2.29E-07	-0.130	3	2.4	Q2
IPI00030851;	SEC24B	11.4	4.56E-207	-0.130	15	18.3	Q2
IPI00219078;	ATP2A2	29	<1.0E-304	-0.130	50	12.9	Q2
IPI00219604;	MAP2K1	23.7	9.60E-15	-0.130	4	5.9	Q2
IPI00893918;	VARS	33.8	<1.0E-304	-0.129	46	7.1	Q2
IPI00216230	TMPO	14.3	5.90E-59	-0.128	7	8.0	Q2
IPI00789155;	CALU	41.5	9.16E-130	-0.126	2	2.0	Q2
IPI00384489	AP1B1	13.7	2.12E-198	-0.126	11	8.0	Q2
IPI00604759;	FAHD1	14.5	1.96E-42	-0.126	5	11.9	Q2
IPI00027175;	SRI	39.9	1.53E-42	-0.125	6	4.5	Q2
IPI00514234;	LAD1	25.7	6.66E-169	-0.124	9	23.4	Q2
IPI00014310;	CUL1	5.7	1.89E-11	-0.124	4	11.4	Q2
IPI00027223;	IDH1	44.2	1.10E-236	-0.123	7	4.3	Q2
IPI00011201;	ME2	9.2	3.56E-63	-0.122	3	45.6	Q2
IPI00448798;	CSNK1A1	37.5	3.77E-108	-0.121	8	19.5	Q2
IPI00020436;	RAB11B	60.6	4.17E-166	-0.121	15	10.5	Q2
IPI00215888;	SRP72	22.7	1.91E-202	-0.120	7	7.2	Q2
IPI00243221;	NRD1	18.8	8.64E-137	-0.120	24	10.1	Q2
IPI00296432;	IWS1	5.1	2.09E-13	-0.120	3	14.7	Q2
IPI00021263;	YWHAZ	62.9	<1.0E-304	-0.120	33	63.2	Q2
IPI00017617;	DDX5	35.3	8.28E-157	-0.119	17	9.1	Q2
IPI00029048;	TTLL12	17.7	7.45E-59	-0.119	5	6.5	Q2
IPI00411614;	WDHD1	16.4	4.12E-184	-0.119	16	9.4	Q2
IPI00180267;	C8orf42	23.6	5.40E-51	-0.118	3	8.3	Q2
IPI00554590;	RAB3GAP2	16.2	9.46E-91	-0.117	22	7.7	Q2
IPI00654605;	MAP7D1	20.2	6.31E-63	-0.117	21	26.2	Q2
IPI00028888;	HNRNPD	23.7	9.63E-134	-0.117	3	5.8	Q2
IPI00215637;	DDX3X	40	8.49E-293	-0.117	21	9.7	Q2
IPI00009634;	SQRDL	48.9	4.28E-179	-0.117	11	20.8	Q2
IPI00853598;	SEC13	23.1	7.10E-138	-0.116	2	0.7	Q2
IPI00395939;	PITPNB	59	3.11E-122	-0.116	20	7.8	Q2

IPI00022477	BCL10	15	4.26E-15	-0.115	2	9.7	Q2
IPI00027415;	DHX36	7	2.42E-49	-0.115	4	12.4	Q2
IPI00855820;	MON2	3.5	1.14E-16	-0.115	7	19.3	Q2
IPI00010252;	TRIM33	2	2.75E-10	-0.114	2	9.8	Q2
IPI00295992;	ATAD3A	18.9	2.64E-56	-0.114	7	9.2	Q2
IPI00006865	SEC22B	45.1	7.00E-169	-0.113	9	12.0	Q2
IPI00157790;	ECM29	13.2	2.40E-191	-0.112	23	9.4	Q2
IPI00217357	CCAR1	11.4	5.79E-116	-0.111	15	10.1	Q2
IPI00438286;	ERBB2IP	2.1	1.43E-02	-0.109	3	13.2	Q2
IPI00290204;	SNRNP70	19.7	5.85E-14	-0.108	3	10.4	Q2
IPI00375380;	PSMD13	42.1	5.80E-176	-0.108	7	10.0	Q2
IPI00219910;	BLVRB	38.2	1.87E-75	-0.108	7	6.9	Q2
IPI00337386;	PRPF40A	12.3	1.81E-17	-0.108	11	26.7	Q2
IPI00013723;	PIN1	39.9	6.32E-125	-0.108	5	5.5	Q2
IPI00000015	SFRS4	3.2	5.52E-05	-0.107	2	40.2	Q2
IPI00006079;	BCLAF1	5.3	6.21E-27	-0.106	5	2.5	Q2
IPI00003627;	ACTL6A	11.9	1.13E-30	-0.106	2	14.0	Q2
IPI00032808;	RAB3D	18.7	6.97E-77	-0.105	5	9.7	Q2
IPI00239815;	CIRH1A	7.1	1.33E-108	-0.105	4	3.5	Q2
IPI00292000;	PRPF31	4.6	8.75E-19	-0.105	2	7.4	Q2
IPI00427330;	SBDS	51.2	2.42E-89	-0.105	10	4.8	Q2
IPI00465233;	EIF3EIP	34.9	9.20E-221	-0.104	12	12.9	Q2
IPI00103026;	PRMT3	7.1	5.05E-11	-0.104	4	15.7	Q2
IPI00103252;	RWDD4A	15.4	5.22E-09	-0.104	3	2.5	Q2
IPI00031820;	FARSA	25.8	1.97E-102	-0.103	6	4.2	Q2
IPI00477763	CDC42BPB	1.1	1.14E-10	-0.102	2	4.3	Q2
IPI00291200;	NUP133	16.3	1.20E-179	-0.102	20	7.0	Q2
IPI00010201;	PSMD8	20.3	9.60E-42	-0.102	5	8.9	Q2
IPI00012837;	KIF5B	43	<1.0E-304	-0.101	51	33.7	Q2
IPI00012833	PPP4C	27	9.68E-147	-0.101	6	6.4	Q2
IPI00453473	HIST1H4A	53.4	2.75E-80	-0.101	18	33.1	Q2
IPI00329331;	UGP2	28.5	1.23E-206	-0.100	6	12.4	Q2
IPI00023532;	SPATS2L	5.3	1.71E-07	-0.100	3	12.6	Q2

IPI00017367;	RDX	22	1.91E-162	-0.100	9	11.1	Q2
IPI00032491	LEMD3	4	3.89E-15	-0.099	3	8.7	Q2
IPI00107753;	OPA1	11.6	1.71E-48	-0.099	10	8.0	Q2
IPI00925918;	CCDC12	15.1	7.93E-06	-0.099	2	36.2	Q2
IPI00185374;	PSMD12	36	7.56E-154	-0.099	8	12.4	Q2
IPI00004838;	CRK	40.8	9.05E-114	-0.099	7	18.3	Q2
IPI00020599;	CALR	52.5	3.01E-268	-0.098	13	32.0	Q2
IPI00922428;	FKBP9	5.9	1.34E-05	-0.098	2	13.6	Q2
IPI00396485;	EEF1A1	62.8	<1.0E-304	-0.098	107	56.3	Q2
IPI00419258;	HMGB1	51.2	1.80E-168	-0.098	13	13.7	Q2
IPI00297477;	SNRPA1	41.2	4.25E-127	-0.097	8	5.8	Q2
IPI00921428;	IMPA1	16.1	5.46E-32	-0.097	5	6.9	Q2
IPI00106491;	MRTO4	33.1	7.59E-45	-0.096	6	12.7	Q2
IPI00419575;	C7orf20	8.2	6.62E-51	-0.096	3	40.6	Q2
IPI00017451;	SF3A1	21.4	1.70E-101	-0.096	20	9.4	Q2
IPI00477495	H2BFS	75.4	3.13E-73	-0.095	44	124.1	Q2
IPI00024934	MUT	4	2.75E-09	-0.094	3	12.0	Q2
IPI00012079;	EIF4B	24.4	5.08E-50	-0.093	11	12.1	Q2
IPI00008422;	SMARCAD1	4.1	1.54E-14	-0.093	4	6.0	Q2
IPI00329742;	FAHD2A	14	1.58E-38	-0.092	2	0.8	Q2
IPI00028055;	TMED10	32	6.27E-115	-0.092	13	6.9	Q2
IPI00792743;	SLTM	5.9	4.87E-77	-0.091	5	11.1	Q2
IPI00024279;	HEATR1	13.5	4.90E-143	-0.091	30	11.6	Q2
IPI00296053;	FH	28.2	4.88E-191	-0.091	4	41.9	Q2
IPI00219953;	CMPK1	40.8	5.91E-97	-0.090	11	10.2	Q2
IPI00642046;	RSL1D1	28	8.94E-148	-0.090	8	10.1	Q2
IPI00031627	POLR2A	4.6	8.37E-29	-0.090	8	2.2	Q2
IPI00299000;	PA2G4	58.9	8.07E-269	-0.089	10	5.5	Q2
IPI00025084;	CAPNS1	51.9	3.51E-204	-0.087	17	3.9	Q2
IPI00004290	DEF	2.2	4.33E-02	-0.087	2	7.8	Q2
IPI00013721;	PRPF4B	5.1	3.09E-14	-0.087	4	12.1	Q2
IPI00003443;	IFI16	20.3	5.27E-58	-0.086	13	10.7	Q2
IPI00033143	EIF3K	34.4	5.83E-118	-0.086	6	4.4	Q2

IPI00083708;	BAT2D1	2.9	7.53E-30	-0.085	9	22.4	Q2
IPI00003515	TRIP11	1.8	2.22E-08	-0.085	3	23.0	Q2
IPI00332511;	PPP2R2A	19.7	6.67E-82	-0.085	4	10.8	Q2
IPI00031064	TMEM126A	29.2	6.46E-50	-0.085	3	2.2	Q2
IPI00019450;	TROVE2	11.7	2.53E-58	-0.085	4	8.6	Q2
IPI00029056;	SEPHS1	11.7	6.86E-20	-0.085	3	3.6	Q2
IPI00020416;	TPP2	30.6	<1.0E-304	-0.084	36	7.1	Q2
IPI00382452;	CHMP1A	26.5	2.67E-09	-0.084	3	3.5	Q2
IPI00792788;	DOCK5	2.1	4.38E-15	-0.084	4	11.6	Q2
IPI00743594;	ANLN	13.4	2.49E-35	-0.084	16	15.4	Q2
IPI00784414;	STAT3	15.1	9.58E-62	-0.084	7	9.5	Q2
IPI00550451;	PPP1CA	49.1	2.37E-290	-0.084	7	13.7	Q2
IPI00056357	C19orf10	37	6.53E-49	-0.084	3	13.7	Q2
IPI00909195;	HN1L	36.2	1.37E-111	-0.083	6	7.0	Q2
IPI00031554	DDX50	4.5	2.22E-31	-0.082	2	3.2	Q2
IPI00007928;	PRPF8	27.9	<1.0E-304	-0.082	71	9.1	Q2
IPI00105598;	PSMD11	55.6	4.66E-218	-0.082	18	20.8	Q2
IPI00014232;	ARL6IP1	6.9	4.40E-02	-0.081	2	5.8	Q2
IPI00021417;	SART1	12.4	1.90E-22	-0.081	8	5.1	Q2
IPI00788907;	PGAM5	42.2	1.09E-59	-0.081	10	17.6	Q2
IPI00418497;	TIMM50	15.4	3.21E-83	-0.081	2	28.3	Q2
IPI00232533;	EIF1AX	45.8	3.42E-45	-0.080	9	9.8	Q2
IPI00021147	DEGS1	5	5.45E-56	-0.080	2	6.4	Q2
IPI00010796;	P4HB	56.5	6.12E-209	-0.080	16	16.4	Q2
IPI00002926;	VPS37B	34.7	1.46E-150	-0.080	5	6.5	Q2
IPI00297211	SMARCA5	29.5	2.77E-176	-0.079	35	19.0	Q2
IPI00375677;	MRPL21	19.6	3.28E-11	-0.079	2	7.3	Q2
IPI00141561;	COG1	1.9	3.15E-03	-0.078	2	52.0	Q2
IPI00290460;	EIF3G	35	1.32E-88	-0.078	6	7.5	Q2
IPI00177728;	CNDP2	52.2	<1.0E-304	-0.078	4	11.0	Q2
IPI00844264;	DKFZp779B0247	25.1	1.90E-263	-0.077	20	9.2	Q2
IPI00171903;	HNRNPM	53.4	<1.0E-304	-0.077	30	7.7	Q2
IPI00291093	POLR2E	40.5	2.77E-112	-0.077	7	28.6	Q2

IPI00329672;	MYO1E	27.2	1.13E-243	-0.077	32	7.2	Q2
IPI00165393;	ANP32E	20.5	2.04E-114	-0.077	5	3.9	Q2
IPI00034049;	UPF1	41.5	2.88E-235	-0.077	50	8.5	Q2
IPI00412224;	BRWD2	11.4	8.45E-178	-0.076	11	22.8	Q2
IPI00827967;	PARF	4.9	1.81E-13	-0.075	3	8.2	Q2
IPI00032342;	TRIP12	5.8	7.90E-76	-0.075	11	7.6	Q2
IPI00031519;	DNMT1	9.3	1.68E-96	-0.074	16	18.4	Q2
IPI00031411;	FAT1	6	3.76E-54	-0.074	27	13.4	Q2
IPI00013068;	EIF3E	47.9	1.22E-199	-0.074	11	14.1	Q2
IPI00003479;	MAPK1	40.6	3.08E-51	-0.074	5	15.2	Q2
IPI00000728;	USP15	4.9	4.47E-07	-0.073	6	9.2	Q2
IPI00008530;	RPLP0	50.2	9.13E-247	-0.073	28	8.0	Q2
IPI00328715	MTDH	9.3	9.97E-36	-0.072	3	3.4	Q2
IPI00003768;	PES1	10.4	3.54E-24	-0.071	4	7.8	Q2
IPI00215920	ARF6	30.3	1.62E-75	-0.070	6	23.6	Q2
IPI00027180	ZMPSTE24	12.4	3.96E-63	-0.070	2	10.1	Q2
IPI00301021;	SSR1	11.9	2.75E-41	-0.070	3	10.3	Q2
IPI00328200;	QRICH1	5.2	7.39E-15	-0.069	4	4.0	Q2
IPI00218187;	PPP1CC	7.1	1.25E-300	-0.069	2	9.3	Q2
IPI00741970;	STRN4	3.9	8.52E-24	-0.069	2	11.4	Q2
IPI00027230;	HSP90B1	59.7	<1.0E-304	-0.069	70	38.7	Q2
IPI00004459	DIMT1L	23	4.00E-23	-0.069	5	7.4	Q2
IPI00304527	FAM83B	15.5	2.93E-65	-0.067	14	8.2	Q2
IPI00018873;	NAMPT	32	8.01E-206	-0.067	4	5.3	Q2
IPI00018627;	NAT13	66.9	2.88E-75	-0.067	9	5.8	Q2
IPI00554761;	HMG1	30	1.61E-43	-0.067	3	5.0	Q2
IPI00183626;	PTBP1	36.3	<1.0E-304	-0.067	17	94.2	Q2
IPI00470576	LRRC57	15.1	2.05E-13	-0.066	3	3.0	Q2
IPI00306380;	GNL3	7.3	5.72E-08	-0.065	4	2.9	Q2
IPI00104050	THRAP3	19.6	4.35E-66	-0.065	22	7.5	Q2
IPI00014230;	C1QBP	26.2	3.62E-162	-0.064	5	6.4	Q2
IPI00747764;	KPNA6	11.8	5.38E-32	-0.064	3	8.1	Q2
IPI00550234;	ARPC5	43.7	7.00E-36	-0.063	4	9.8	Q2

IPI00783781;	NUP205	14.5	1.95E-94	-0.062	27	10.3	Q2
IPI00890743;	PPP6C	25.1	2.49E-90	-0.062	6	11.5	Q2
IPI00016249;	FXR1	11.6	1.42E-31	-0.061	3	14.2	Q2
IPI00395337;	FIP1L1	7.4	2.07E-72	-0.061	3	10.4	Q2
IPI00337667;	BICD2	11.7	4.02E-98	-0.061	8	7.3	Q2
IPI00852741;	SEC31A	20.4	3.56E-77	-0.060	26	11.7	Q2
IPI00304267;	NXN	17.5	2.35E-151	-0.060	7	17.1	Q2
IPI00871975;	DHRS7B	8.9	4.41E-68	-0.060	2	6.0	Q2
IPI00007935;	PDLIM5	16.3	3.19E-30	-0.059	7	23.1	Q2
IPI00016405;	OCIAD1	19.6	5.66E-21	-0.059	10	4.6	Q2
IPI00872754;	STK24	15.1	6.21E-140	-0.059	2	0.4	Q2
IPI00420014;	SNRNP200	26.8	<1.0E-304	-0.059	60	12.0	Q2
IPI00290142;	CTPS	40.1	1.10E-213	-0.059	14	5.6	Q2
IPI00642971;	EEF1D	26.1	1.69E-233	-0.058	9	9.3	Q2
IPI00654777;	EIF3F	39.5	2.60E-130	-0.058	5	10.3	Q2
IPI00008964;	RAB1B	25.4	3.50E-262	-0.058	10	13.1	Q2
IPI00419844;	USP39	6.4	1.66E-25	-0.058	3	11.1	Q2
IPI00183274;	SNX1	20.3	8.22E-49	-0.058	6	16.5	Q2
IPI00168849;	TRIP10	6.3	1.30E-08	-0.057	5	5.2	Q2
IPI00472171;	RPL7	59.5	1.16E-104	-0.057	17	7.0	Q2
IPI00102425;	RPRD1A	16	2.80E-29	-0.056	2	35.1	Q2
IPI00027096;	MRPL19	21.6	9.39E-21	-0.056	7	10.2	Q2
IPI00827508;	RPL10A	53.4	7.23E-214	-0.056	20	10.5	Q2
IPI00038378;	ENOPH1	17.6	8.09E-41	-0.055	3	137.6	Q2
IPI00300371;	SF3B3	24.4	<1.0E-304	-0.055	41	6.3	Q2
IPI00852806;	EXOC6B	3.2	6.05E-19	-0.055	2	1.5	Q2
IPI00219518;	ARL1	34.3	3.35E-29	-0.055	3	3.0	Q2
IPI00028160;	HMBS	13	3.05E-150	-0.054	2	17.5	Q2
IPI00029601;	CTTN	27.8	2.01E-212	-0.054	13	7.5	Q2
IPI00005573;	NT5C	34.8	1.45E-15	-0.054	4	16.4	Q2
IPI00021347;	UBE2L3	47.4	1.23E-173	-0.054	8	5.3	Q2
IPI00291607;	ITPR3	4.2	1.49E-44	-0.053	10	6.6	Q2
IPI00295585;	CGGBP1	19.8	1.37E-08	-0.053	3	6.4	Q2

IPI00549736;	ASCC2	8.5	6.36E-13	-0.053	4	12.3	Q2
IPI00000279;	ZC3H15	7.2	5.40E-50	-0.052	2	19.6	Q2
IPI00159899;	ANKFY1	3.3	3.11E-32	-0.052	4	1.9	Q2
IPI00382470;	HSP90AA1	32.8	<1.0E-304	-0.052	49	49.0	Q2
IPI00871780;	RBM12B	4.4	1.27E-17	-0.052	4	8.6	Q2
IPI00016605;	C1orf123	15	6.09E-03	-0.051	2	17.1	Q2
IPI00215999;	CDC2L1	7.4	1.00E-34	-0.051	5	25.3	Q2
IPI00013214;	MCM3	31.8	1.33E-220	-0.051	26	14.6	Q2
IPI00299573;	RPL7A	50	<1.0E-304	-0.051	22	6.5	Q2
IPI00301936;	ELAVL1	31.7	1.37E-111	-0.050	5	2.3	Q2
IPI00794278;	CDC27	4.2	4.89E-30	-0.050	3	9.2	Q2
IPI00376798;	RPL11	46.1	2.73E-58	-0.050	9	8.1	Q2
IPI00376798;	RPL11	46.1	2.73E-58	-0.050	9	8.1	Q3
IPI00654555;	NOP2	23	5.19E-209	-0.050	13	7.4	Q2
IPI00005578	EHD4	29.4	9.82E-159	-0.049	5	24.4	Q2
IPI00872533;	CD2AP	8.5	1.73E-14	-0.049	3	4.8	Q2
IPI00009943;	TPT1	52.7	9.23E-125	-0.049	21	9.4	Q2
IPI00472939;	SPCS2	49.8	5.22E-188	-0.049	11	9.6	Q2
IPI00215884;	SFRS1	51.2	1.90E-137	-0.048	15	7.6	Q2
IPI00220031;	PXN	15	9.87E-108	-0.048	4	5.3	Q2
IPI00106495	NCAPG	8.2	1.19E-82	-0.048	7	10.8	Q2
IPI00008380;	PPP2CA	48.2	3.42E-231	-0.048	11	24.0	Q2
IPI00013930	STX6	12.9	1.52E-02	-0.048	2	12.0	Q2
IPI00004273;	RBM25	2.3	1.05E-03	-0.047	3	14.3	Q2
IPI00003588;	EEF1E1	44.3	1.05E-36	-0.047	8	14.0	Q2
IPI00023234	UBA2	11.1	4.53E-23	-0.047	3	8.7	Q2
IPI00011285;	CAPN1	33.9	5.06E-140	-0.047	11	10.6	Q2
IPI00031517	MCM6	24	6.82E-91	-0.046	20	8.1	Q2
IPI00003968;	NDUFA9	16.2	4.55E-31	-0.046	2	2.2	Q2
IPI00018349;	MCM4	18.5	1.59E-100	-0.046	12	9.4	Q2
IPI00744702;	FAM125A	11.7	9.63E-48	-0.045	2	1.1	Q2
IPI00514619;	C2orf4	35.7	1.25E-104	-0.045	7	6.8	Q2
IPI00217049;	OAS2	15.4	1.24E-41	-0.044	7	8.2	Q2

IPI00012340;	SFRS9	36.7	4.72E-37	-0.044	10	9.7	Q2
IPI00011253;	RPS3	80.7	3.82E-225	-0.044	24	6.5	Q2
IPI00414482;	GTF3C1	3.1	2.12E-23	-0.044	4	21.8	Q2
IPI00550032;	RP11	53.4	2.54E-80	-0.043	18	24.8	Q2
IPI00011461;	STRN3	3.3	5.16E-31	-0.043	2	3.0	Q2
IPI00216046;	SMARCA1	2	8.05E-62	-0.042	2	11.5	Q2
IPI00216026;	VDAC2	52.4	2.32E-215	-0.042	20	6.0	Q2
IPI00011698;	SAP18	25.6	4.41E-05	-0.041	2	1.2	Q2
IPI00654552;	PLCH2	1.6	1.46E-15	-0.041	2	0.1	Q2
IPI00000811;	PSMB6	23.4	1.37E-21	-0.041	3	2.5	Q2
IPI00305212;	COMMD9	17.7	4.03E-46	-0.041	4	7.5	Q2
IPI00012268;	PSMD2	44.4	<1.0E-304	-0.041	44	10.3	Q2
IPI00023406	HCCS	23.5	4.02E-32	-0.040	3	6.5	Q2
IPI00107104;	CXorf26	41.2	3.27E-119	-0.040	6	6.3	Q2
IPI00003918;	RPL4	48.9	<1.0E-304	-0.040	25	19.0	Q2
IPI00221325;	RANBP2	11.1	3.39E-238	-0.040	29	16.1	Q2
IPI00295098;	SRPRB	52.8	8.28E-208	-0.040	8	14.5	Q2
IPI00014311;	CUL2	5.4	2.72E-06	-0.037	5	2.7	Q2
IPI00031526	C19orf43	19.9	2.18E-09	-0.036	3	15.8	Q2
IPI00304612;	RPL13A	49.3	5.33E-72	-0.036	19	8.5	Q2
IPI00514856;	UBAP2L	21.5	1.22E-196	-0.036	16	17.4	Q2
IPI00003377;	SFRS7	31.9	9.61E-56	-0.036	9	12.0	Q2
IPI00098902;	OGDH	25.1	8.02E-210	-0.036	23	13.5	Q2
IPI00027009;	PACSIN2	10.7	3.46E-20	-0.036	5	7.3	Q2
IPI00107113;	UTP14A	7.1	1.49E-49	-0.035	4	3.0	Q2
IPI00550021;	RPL3	44.7	1.01E-171	-0.035	18	7.3	Q2
IPI00217466	HIST1H1D	16.3	9.44E-78	-0.035	3	5.0	Q2
IPI00021266;	RPL23A	46.8	6.22E-59	-0.035	14	8.9	Q2
IPI00011919	FADD	9.6	1.00E-02	-0.034	2	4.0	Q2
IPI00789041;	PNN	18.1	5.13E-83	-0.034	13	17.9	Q2
IPI00298991;	KIAA1033	7.2	9.42E-45	-0.034	8	7.7	Q2
IPI00298058;	SUPT5H	11.8	5.72E-62	-0.033	13	7.9	Q2
IPI00719725;	SAPS3	9.1	8.35E-27	-0.033	10	9.0	Q2

IPI00041325;	NHP2	37.9	1.32E-92	-0.032	4	5.9	Q2
IPI00470502;	PPA2	30.1	6.92E-89	-0.032	4	17.6	Q2
IPI00419880;	RPS3A	63.6	6.48E-200	-0.031	29	12.6	Q2
IPI00165092	YARS2	8.6	6.44E-28	-0.031	3	50.2	Q2
IPI00759776;	ACTN1	51.1	<1.0E-304	-0.031	73	5.2	Q2
IPI00604523;	MYL12B	49.7	5.34E-126	-0.031	20	5.3	Q2
IPI00021338;	DLAT	15	3.14E-54	-0.031	7	7.1	Q2
IPI00026262;	RASA1	11.2	3.55E-90	-0.030	12	19.3	Q2
IPI00000105;	MVP	47.7	<1.0E-304	-0.030	34	5.9	Q2
IPI00216237;	RPL36	37.1	4.63E-24	-0.029	5	15.8	Q2
IPI00306280;	DENR	32.2	1.89E-135	-0.029	6	9.3	Q2
IPI00215719;	RPL18	45.7	2.43E-86	-0.029	17	65.3	Q2
IPI00908725;	ZC3H18	2.7	3.22E-57	-0.028	2	6.2	Q2
IPI00171611;	HIST2H3A	57.4	2.41E-31	-0.028	18	27.2	Q2
IPI00399254;	OTUD4	1.8	4.47E-03	-0.028	2	0.1	Q2
IPI00019502;	MYH9	65.7	<1.0E-304	-0.028	380	16.7	Q2
IPI00017763;	NAP1L4	33.7	1.11E-255	-0.028	7	7.2	Q2
IPI00005715;	UBE4B	3.7	8.13E-15	-0.027	3	3.6	Q2
IPI00025039;	FBL	38.9	1.84E-109	-0.027	6	5.4	Q2
IPI00025491;	EIF4A1	60.6	<1.0E-304	-0.027	19	7.4	Q2
IPI00005978;	SFRS2	33.5	1.26E-128	-0.027	11	6.8	Q2
IPI00871157;	SRPK2	2.9	9.13E-07	-0.027	2	0.7	Q2
IPI00013184;	ARD1A	24.7	3.58E-28	-0.026	6	1.7	Q2
IPI00744692;	TALDO1	40.7	7.83E-105	-0.026	5	8.3	Q2
IPI00399089;	MESDC2	26.5	2.30E-19	-0.025	3	7.0	Q2
IPI00552920;	EXOSC8	18.8	1.34E-55	-0.025	2	0.1	Q2
IPI00303722;	FAM136A	23.2	3.46E-09	-0.025	4	3.2	Q2
IPI00013485;	RPS2	50.2	3.85E-186	-0.025	17	6.3	Q2
IPI00002857;	MAPK14	11.7	6.90E-18	-0.025	3	3.8	Q2
IPI00900293	FLNB	62.1	<1.0E-304	-0.025	299	28.9	Q2
IPI00411937;	NOP56	32.7	<1.0E-304	-0.024	14	8.2	Q2
IPI00008438;	RPS10	47.9	1.57E-102	-0.024	16	7.9	Q2
IPI00031583;	USO1	19.6	3.10E-157	-0.024	16	7.2	Q2

IPI00152642;	LRRC8C	3.7	4.98E-11	-0.024	3	13.9	Q2
IPI00419249;	PSMA3	41.6	7.05E-90	-0.024	7	8.4	Q2
IPI00293126;	TBCB	47.5	2.64E-103	-0.023	6	5.2	Q2
IPI00293845;	RIF1	2.1	5.18E-70	-0.023	4	4.8	Q2
IPI00465361;	RPL13	46	1.57E-41	-0.023	14	4.9	Q2
IPI00030767;	IMUP	34.9	2.01E-16	-0.023	2	1.6	Q2
IPI00235412;	DNM1L	39.3	<1.0E-304	-0.023	22	7.3	Q2
IPI00295889;	SRP19	37.5	1.45E-70	-0.023	5	1.8	Q2
IPI00792422;	FAM21A	4.5	2.41E-181	-0.022	3	3.4	Q2
IPI00872430;	RPS8	55.8	9.10E-173	-0.022	13	20.2	Q2
IPI00024662	CBX5	31.9	2.31E-98	-0.022	3	5.5	Q2
IPI00218606;	RPS23	29.4	5.55E-22	-0.022	7	5.2	Q2
IPI00074587;	FUSIP1	21.8	1.76E-63	-0.022	4	11.4	Q2
IPI00025366;	CS	23.2	7.88E-81	-0.022	6	94.9	Q2
IPI00554737;	PPP2R1A	47.9	<1.0E-304	-0.021	19	13.8	Q2
IPI00555744;	RPL14	37.7	2.22E-147	-0.021	12	29.0	Q2
IPI00012750;	RPS25	35.2	1.89E-26	-0.021	7	4.8	Q2
IPI00017450;	GTF2F1	5.2	2.25E-58	-0.021	2	3.1	Q2
IPI00477313;	HNRNPC	45.8	8.19E-140	-0.020	19	9.0	Q2
IPI00020672;	DPP3	23.6	5.22E-137	-0.020	5	43.6	Q2
IPI00914529;	RPL28	32.5	2.68E-27	-0.020	5	2.7	Q2
IPI00027834;	HNRNPL	42.8	1.64E-254	-0.020	11	20.6	Q2
IPI00291006;	MDH2	65.7	<1.0E-304	-0.020	27	32.1	Q2
IPI00015952;	EIF4G2	23.7	2.31E-141	-0.020	19	10.7	Q2
IPI00102069;	EIF3M	38	3.56E-224	-0.020	8	12.2	Q2
IPI00023161;	MRPL46	24	8.73E-57	-0.020	5	13.0	Q2
IPI00095891;	GNAS	6	3.98E-30	-0.019	3	4.5	Q2
IPI00288947;	GNAQ	14.2	2.35E-26	-0.019	2	14.1	Q2
IPI00012497;	ADRBK1	2.3	8.80E-03	-0.019	3	5.6	Q2
IPI00003833	MTCH2	48.2	5.74E-185	-0.018	12	6.9	Q2
IPI00163644;	OSBPL8	9	3.05E-56	-0.018	6	3.7	Q2
IPI00217030;	RPS4X	69.6	9.85E-198	-0.017	19	5.0	Q2
IPI00017334;	PHB	60.3	4.16E-229	-0.017	20	35.0	Q2

IPI00006099;	BMS1	6.6	4.55E-71	-0.017	7	7.3	Q2
IPI00411559;	SMC4	21.8	7.67E-138	-0.017	30	12.0	Q2
IPI00745406;	SPAG9	6.1	5.78E-31	-0.017	6	10.0	Q2
IPI00247583;	RPL21	42.5	1.45E-89	-0.016	17	44.4	Q2
IPI00872985;	GAR1	20.2	2.35E-28	-0.015	3	15.1	Q2
IPI00018398	PSMC3	38.7	8.60E-159	-0.015	4	21.0	Q2
IPI00160421	MRPL18	22.2	1.09E-29	-0.015	3	7.1	Q2
IPI00005969;	CAPZA1	66.4	3.69E-200	-0.015	6	18.1	Q2
IPI00060627	CCDC124	35.9	2.54E-105	-0.015	3	3.3	Q2
IPI00012011;	CFL1	89.2	<1.0E-304	-0.015	37	13.8	Q2
IPI00004363	STK39	4.8	1.29E-17	-0.014	2	39.3	Q2
IPI00006440	MRPS7	5	7.53E-05	-0.014	2	4.8	Q2
IPI00003217;	PSMB7	26	1.37E-25	-0.014	7	5.5	Q2
IPI00420108;	DLST	19.6	1.87E-68	-0.014	6	12.6	Q2
IPI00013219;	ILK	19.5	1.13E-22	-0.014	2	11.7	Q2
IPI00394668;	ADAR	6.5	2.09E-88	-0.013	11	19.9	Q2
IPI00641950;	GNB2L1	68.2	8.87E-288	-0.013	31	13.7	Q2
IPI00024661;	SEC24C	20.1	2.06E-160	-0.011	18	6.0	Q2
IPI00152011;	ARHGAP29	14.8	1.05E-113	-0.011	16	16.1	Q2
IPI00217465;	HIST1H1C	40.8	5.30E-79	-0.011	18	69.3	Q2
IPI00299524;	NCAPD2	20.5	6.68E-168	-0.010	27	10.2	Q2
IPI00304082;	ISOC1	29.2	1.82E-111	-0.010	7	7.3	Q2
IPI00926977;	PSMC6	45.7	1.12E-200	-0.009	5	5.2	Q2
IPI00011603;	PSMD3	32.8	3.16E-219	-0.009	11	6.2	Q2
IPI00386189;	NARG1	32.4	3.90E-120	-0.009	25	8.7	Q2
IPI00029623;	PSMA6	45.9	2.29E-93	-0.008	10	7.9	Q2
IPI00029079;	GMPS	28.1	3.23E-259	-0.008	14	6.6	Q2
IPI00871891;	COMMD8	19.1	2.67E-21	-0.008	2	0.6	Q2
IPI00927682;	RAB3GAP1	21	9.62E-141	-0.007	19	9.8	Q2
IPI00554705;	DCTD	51.9	1.48E-90	-0.007	5	111.5	Q2
IPI00009301;	COPS7B	16.3	2.98E-73	-0.007	4	6.3	Q2
IPI00030654;	CPSF6	13.9	1.64E-87	-0.006	3	2.4	Q2
IPI00025329;	RPL19	33.7	1.01E-117	-0.006	15	9.8	Q2

IPI00152998	LRRC40	16.6	1.90E-35	-0.006	7	14.1	Q2
IPI00028357	XPO4	4.7	1.63E-27	-0.005	5	8.0	Q2
IPI00872664	USP14	26.3	4.57E-94	-0.005	6	8.4	Q2
IPI00221300	EIF2B1	29.5	4.79E-69	-0.005	8	9.0	Q2
IPI00298949	GAK	6.1	3.11E-58	-0.004	7	6.0	Q2
IPI00219160	RPL34	37.6	1.66E-14	-0.004	8	7.0	Q2
IPI00029997	PGLS	59.7	8.72E-195	-0.004	5	22.5	Q2
IPI00031691	RPL9	56.8	4.87E-157	-0.004	13	5.3	Q2
IPI00644386	FUBP1	25.6	3.42E-146	-0.004	11	12.8	Q2
IPI00443909	CNPY2	31.3	7.66E-67	-0.004	3	23.1	Q2
IPI00903226	HK1	40.1	<1.0E-304	-0.003	45	14.3	Q2
IPI00152898	AP1S1	36.7	1.13E-70	-0.002	4	1.6	Q2
IPI00028955	BOP1	11.1	8.70E-35	-0.002	6	5.8	Q2
IPI00036742	KIAA1429	2.5	1.55E-50	-0.002	3	5.2	Q2
IPI00028091	ACTR3	56	9.02E-206	-0.002	13	11.7	Q2
IPI00021812	AHNAK	71.8	<1.0E-304	-0.002	814	13.9	Q2
IPI00031960	POLR1A	2.8	2.94E-05	-0.001	4	34.4	Q2
IPI00216965	GOSR2	13.1	4.53E-09	0.000	3	10.8	Q2
IPI00794956	SCFD1	16.5	3.89E-91	0.000	5	3.9	Q2
IPI00065671	UCK2	18.8	1.65E-42	0.000	5	7.0	Q2
IPI00438229	TRIM28	37	<1.0E-304	0.000	26	10.3	Q2
IPI00026202	RPL18A	51.1	2.58E-96	0.000	18	6.4	Q2
IPI00006379	NOP58	27.2	3.61E-209	0.000	6	64.4	Q2
IPI00005198	ILF2	37.2	1.56E-207	0.000	8	8.1	Q2
IPI00012462	EIF2A	14	4.11E-33	0.000	6	99.1	Q2
IPI00745613	EXOSC4	22.9	9.28E-37	0.000	5	8.4	Q2
IPI00333541	FLNA	58.3	<1.0E-304	0.001	203	13.5	Q2
IPI00020965	UBE2H	26.8	1.10E-27	0.002	3	5.2	Q2
IPI00329512	SNRPB	20.8	4.38E-91	0.002	12	13.9	Q2
IPI00456359	ATXN2L	15.7	1.05E-78	0.002	14	16.0	Q2
IPI00871680	ARFGAP2	4	9.47E-05	0.002	2	8.4	Q2
IPI00414168	MARCH5	21.6	2.71E-58	0.002	5	9.0	Q2
IPI00215914	ARF1	69.1	5.76E-180	0.002	18	8.4	Q2

IPI00413108;	RPSA	61.3	<1.0E-304	0.003	15	13.1	Q2
IPI00384280;	PCYOX1	15.8	3.66E-68	0.004	2	1.1	Q2
IPI00024933;	RPL12	71.5	8.86E-262	0.004	13	6.8	Q2
IPI00014898;	PLEC1	68.9	<1.0E-304	0.004	948	17.3	Q2
IPI00002214;	KPNA2	28.2	3.23E-195	0.004	5	28.2	Q2
IPI00179330;	RPS27A	64.7	4.32E-127	0.004	55	11.0	Q2
IPI00294536;	STRAP	58.7	1.27E-193	0.005	10	5.7	Q2
IPI00872177;	PPP1CB	14.4	9.77E-282	0.005	3	7.6	Q2
IPI00027252;	PHB2	68.2	3.96E-258	0.005	21	4.5	Q2
IPI00007175;	NIP7	34.4	1.05E-44	0.006	4	4.3	Q2
IPI00413324;	RPL17	55.4	4.13E-90	0.006	16	9.7	Q2
IPI00293260;	DNAJC10	10.2	1.39E-95	0.006	6	8.6	Q2
IPI00237884;	AKAP12	6.2	1.24E-100	0.006	9	3.7	Q2
IPI00306960;	NARS	32.7	8.67E-177	0.006	8	12.7	Q2
IPI00783874;	HDHD2	16.2	6.77E-41	0.006	3	10.1	Q2
IPI00291922	PSMA5	52.3	7.20E-192	0.007	15	3.9	Q2
IPI00029267	SNRPB2	31.6	2.15E-17	0.007	7	9.6	Q2
IPI00013415;	RPS7	49.5	1.71E-63	0.007	28	8.6	Q2
IPI00555902;	OCIAD2	63	2.06E-53	0.008	10	4.8	Q2
IPI00025091	RPS11	62	6.54E-75	0.008	19	11.1	Q2
IPI00719752;	EIF3B	37	2.35E-296	0.008	31	7.1	Q2
IPI00299571;	PDIA6	44.5	<1.0E-304	0.009	15	7.8	Q2
IPI00430812;	CNBP	26.6	3.58E-48	0.009	2	3.4	Q2
IPI00023919;	PSMC5	52.2	1.07E-228	0.009	10	10.9	Q2
IPI00021840;	RPS6	32.5	9.34E-108	0.009	16	62.3	Q2
IPI00878985;	INF2	6.4	5.25E-35	0.009	7	5.3	Q2
IPI00030275;	TRAP1	25.3	5.49E-195	0.010	8	6.4	Q2
IPI00909642;	FLNA	0.6	<1.0E-304	0.010	2	12.5	Q2
IPI00166010;	CNOT1	7.5	1.00E-70	0.010	17	20.8	Q2
IPI00000821	MRPL16	4	1.93E-06	0.010	2	1.6	Q2
IPI00032830;	REXO2	27.8	4.80E-25	0.011	7	2.1	Q2
IPI00456758	RPL27A	44.6	7.62E-46	0.011	9	16.5	Q2
IPI00783656;	MRPL38	4.7	3.94E-04	0.012	4	6.4	Q2

IPI00739940;	FRYL	4.3	4.46E-111	0.012	11	29.5	Q2
IPI00641990;	LAS1L	6.7	2.98E-68	0.012	4	3.0	Q2
IPI00299149;	SUMO2	29.5	5.09E-26	0.012	5	31.5	Q2
IPI00216746;	HNRNPK	48.9	<1.0E-304	0.012	20	32.5	Q2
IPI00871870;	ARPC3	46.1	5.45E-81	0.013	16	8.3	Q2
IPI00152510;	DDX54	6.7	2.93E-07	0.013	5	12.0	Q2
IPI00921422;	CKAP5	18.6	9.10E-232	0.013	35	22.6	Q2
IPI00000877;	HYOU1	34.8	<1.0E-304	0.014	37	9.5	Q2
IPI00719680;	AP3D1	17.9	2.19E-117	0.014	21	12.8	Q2
IPI00219155;	RPL27	55.9	9.71E-40	0.014	12	10.8	Q2
IPI00107357;	CLPTM1	1.5	4.76E-04	0.015	2	5.9	Q2
IPI00001676;	NPLOC4	10.7	1.84E-92	0.015	5	4.4	Q2
IPI00234252;	SMARCC1	13.3	4.67E-58	0.015	13	13.8	Q2
IPI00793155;	RAB34	22.2	8.25E-24	0.015	5	5.1	Q2
IPI00027808;	POLR2B	16.4	5.25E-107	0.015	18	13.1	Q2
IPI00012772;	RPL8	28.4	3.51E-43	0.016	7	15.7	Q2
IPI00922181;	MCM2	22.6	9.14E-137	0.016	15	7.0	Q2
IPI00738765;	KIAA1949	8	3.04E-54	0.016	6	17.0	Q2
IPI00307200;	SWAP70	9.7	1.04E-07	0.017	4	13.0	Q2
IPI00012345;	SFRS6	11	2.14E-08	0.017	5	18.7	Q2
IPI00028006;	PSMB2	35.3	3.60E-82	0.017	9	12.2	Q2
IPI00005107;	NPC1	6.1	4.60E-55	0.017	8	15.2	Q2
IPI00815893;	CHD2	2.5	1.25E-18	0.018	5	9.3	Q2
IPI00220642;	YWHAG	51	9.32E-174	0.019	13	11.9	Q2
IPI00395694;	TNPO3	6.8	6.63E-123	0.019	6	3.9	Q2
IPI00002460;	ANXA7	21.3	2.33E-81	0.019	3	53.3	Q2
IPI00293655;	DDX1	28.1	3.67E-150	0.019	17	7.0	Q2
IPI00655650;	RPS26	37.4	2.41E-47	0.019	3	3.1	Q2
IPI00186290;	EEF2	64.3	<1.0E-304	0.019	119	26.8	Q2
IPI00514914;	DIAPH2	1.9	1.06E-02	0.020	2	7.0	Q2
IPI00005202;	PGRMC2	17	3.77E-89	0.020	4	11.3	Q2
IPI00164005;	COG7	4.7	5.62E-06	0.020	3	12.6	Q2
IPI00008524;	PABPC1	37.3	<1.0E-304	0.020	13	12.1	Q2

IPI00646839;	EIF3CL	26.1	1.46E-118	0.020	26	12.7	Q2
IPI00022403;	MRPL13	38.8	1.55E-12	0.020	4	12.4	Q2
IPI00878213;	AHCTF1	2	1.12E-29	0.020	4	37.4	Q2
IPI00552569;	ERCC6L	5.7	5.20E-62	0.020	7	9.1	Q2
IPI00162330;	MRPL37	11.8	5.60E-28	0.021	4	12.8	Q2
IPI00472442;	PSMA1	47.6	1.28E-105	0.021	14	28.1	Q2
IPI00009253;	NAPA	43.1	8.73E-137	0.022	8	16.4	Q2
IPI00024466;	UGCGL1	20.6	1.07E-260	0.022	33	10.3	Q2
IPI00022020	INPP4B	3.5	2.41E-26	0.022	2	9.8	Q2
IPI00017592	LETM1	16.1	4.40E-88	0.022	5	7.9	Q2
IPI00027270;	RPL26	40	5.90E-19	0.022	12	11.9	Q2
IPI00009471	WDR3	9.3	3.90E-55	0.023	8	5.8	Q2
IPI00295457;	MPRIP	14.2	2.42E-85	0.023	12	12.9	Q2
IPI00221093;	RPS17	63	1.44E-204	0.023	16	4.2	Q2
IPI00927658;	RPL32	47.7	2.94E-74	0.023	11	14.3	Q2
IPI00013296;	RPS18	66.4	9.12E-70	0.024	21	6.9	Q2
IPI00009236;	CAV1	64.6	1.17E-143	0.024	20	34.4	Q2
IPI00020418	RRAS	20.6	1.62E-108	0.025	3	11.5	Q2
IPI00060181;	EFHD2	49.6	7.44E-138	0.025	13	5.6	Q2
IPI00031651	C7orf50	22.2	9.63E-75	0.025	2	3.1	Q2
IPI00796934;	RPL29	14.5	7.92E-23	0.025	4	2.4	Q2
IPI00292771;	NUMA1	14.1	<1.0E-304	0.025	27	15.6	Q2
IPI00855856;	API5	18.3	1.35E-119	0.025	4	9.4	Q2
IPI00215965;	HNRNPA1	54.3	<1.0E-304	0.026	30	14.6	Q2
IPI00302740;	RPS4Y1	21.3	2.74E-86	0.026	7	10.5	Q2
IPI00000816;	YWHAE	75.7	<1.0E-304	0.026	41	63.6	Q2
IPI00215780;	RPS19	69	3.98E-54	0.026	20	12.2	Q2
IPI00011284;	COMT	28.4	2.13E-162	0.027	12	16.4	Q2
IPI00221088;	RPS9	59.8	1.01E-82	0.027	24	17.3	Q2
IPI00027463	S100A6	74.4	3.30E-15	0.027	3	9.6	Q2
IPI00059292;	MAGOHB	35.8	3.36E-26	0.027	4	11.2	Q2
IPI00013195;	MRPL49	38.6	5.24E-57	0.028	5	5.0	Q2
IPI00029697;	EXOSC9	8.6	1.78E-52	0.028	2	3.2	Q2

IPI00783835;	RNF160	4	5.38E-51	0.028	7	19.4	Q2
IPI00909484;	CDC42	28.8	2.14E-58	0.028	5	4.1	Q2
IPI00646917;	NUDT21	34.4	6.91E-156	0.028	13	9.0	Q2
IPI00005161;	ARPC2	47	7.02E-99	0.028	19	5.8	Q2
IPI00001661;	RCC1	21.7	2.71E-100	0.029	3	3.8	Q2
IPI00450472;	UBE2I	33.7	6.77E-126	0.029	11	5.1	Q2
IPI00299608;	PSMD1	26.3	5.52E-228	0.029	21	4.7	Q2
IPI00172591	MRPL17	34.3	1.11E-10	0.030	6	5.0	Q2
IPI00301518;	MOBK1B	29.2	4.62E-29	0.030	8	9.8	Q2
IPI00013679;	DUT	34.9	7.03E-188	0.030	10	2.6	Q2
IPI00642374;	UCHL5	17.1	2.22E-21	0.030	3	5.3	Q2
IPI00479058;	RPS15	31	5.03E-103	0.030	10	68.8	Q2
IPI00004472;	WNK1	1	2.81E-22	0.031	2	11.3	Q2
IPI00604620;	NCL	37.2	<1.0E-304	0.031	44	9.2	Q2
IPI00479306;	PSMB5	42.2	1.00E-111	0.031	13	22.1	Q2
IPI00022597	UBE2M	42.1	6.87E-79	0.031	8	9.4	Q2
IPI00376005;	EIF5A	60.9	4.05E-198	0.031	22	7.6	Q2
IPI00256861;	MACF1	37.8	<1.0E-304	0.031	234	16.5	Q2
IPI00006725;	DDX23	8.9	5.23E-25	0.031	8	6.8	Q2
IPI00798102;	VPS29	23.5	6.06E-47	0.031	6	2.7	Q2
IPI00030820;	MRPL47	21.6	1.15E-24	0.032	5	2.9	Q2
IPI00012074;	HNRNPR	24.8	4.14E-199	0.033	14	17.6	Q2
IPI00902614;	USP24	1.8	2.56E-57	0.033	4	8.3	Q2
IPI00061245	MRPS10	17.9	1.89E-19	0.033	2	16.0	Q2
IPI00217920;	ALDH16A1	1.6	1.82E-29	0.034	2	14.0	Q2
IPI00021435;	PSMC2	52.7	1.08E-159	0.034	10	36.5	Q2
IPI00006980;	C14orf166	54.9	8.81E-104	0.034	10	14.4	Q2
IPI00018465;	CCT7	51.9	<1.0E-304	0.034	11	7.6	Q2
IPI00418313;	ILF3	33.1	1.37E-298	0.034	32	16.8	Q2
IPI00307162;	VCL	59.7	<1.0E-304	0.034	80	9.5	Q2
IPI00004416;	CHMP2A	7.2	1.42E-04	0.035	2	9.9	Q2
IPI00013271;	DERL1	10.8	6.21E-11	0.035	2	15.1	Q2
IPI00305978;	AKR7A2	18.4	3.51E-158	0.035	2	10.7	Q2

IPI00221092;	RPS16	69.9	2.09E-51	0.036	19	41.0	Q2
IPI00375531;	NME1	7.9	7.99E-125	0.036	2	0.1	Q2
IPI00003519;	EFTUD2	27.5	<1.0E-304	0.037	28	7.9	Q2
IPI00908416;	EIF4E	20.6	1.51E-16	0.037	5	7.2	Q2
IPI00647915;	TAGLN2	71.8	4.77E-269	0.037	41	17.1	Q2
IPI00250297	AASDHPPT	20.7	1.60E-51	0.038	2	5.1	Q2
IPI00221089	RPS13	51	1.15E-62	0.038	9	5.3	Q2
IPI00646350;	NAE1	10.8	1.79E-09	0.038	3	10.6	Q2
IPI00033907;	ANAPC1	2.7	2.95E-35	0.038	4	10.6	Q2
IPI00100980;	EHD2	15.1	4.14E-56	0.038	6	13.8	Q2
IPI00328840;	THOC4	34.1	2.01E-159	0.038	9	17.6	Q2
IPI00791262;	ICT1	26.3	9.68E-23	0.039	4	1.6	Q2
IPI00922484;	BUD31	24.8	2.42E-11	0.039	4	8.1	Q2
IPI00030770;	PSMG1	26.4	7.33E-32	0.039	5	15.0	Q2
IPI00645702	CTPS2	6.1	1.92E-19	0.039	3	11.3	Q2
IPI00010860;	PSMD9	35.9	2.67E-67	0.039	6	5.1	Q2
IPI00844578;	DHX9	40.8	<1.0E-304	0.039	77	17.1	Q2
IPI00872295;	ANXA8	48.9	<1.0E-304	0.039	23	10.8	Q2
IPI00000494;	RPL5	44.8	2.42E-272	0.040	16	7.6	Q2
IPI00032826;	ST13	24.9	9.13E-90	0.040	6	7.4	Q2
IPI00477686;	GTF2F2	10.4	1.36E-09	0.040	2	4.7	Q2
IPI00290566;	CCT1	54	<1.0E-304	0.040	14	7.8	Q2
IPI00024425;	KIAA0664	27.1	7.39E-224	0.040	33	9.3	Q2
IPI00742682;	TPR	15.8	9.15E-304	0.040	37	12.8	Q2
IPI00009235	SSR3	7.1	3.59E-20	0.040	2	6.1	Q2
IPI00219622;	PSMA2	54.3	7.85E-228	0.040	14	4.7	Q2
IPI00644482;	PSMG2	18.6	5.29E-12	0.041	5	3.0	Q2
IPI00470779	TXLNA	8.1	9.28E-09	0.042	5	11.3	Q2
IPI00001589	TIMM13	73.7	1.84E-213	0.042	2	14.6	Q2
IPI00470883;	STAG2	5.2	1.49E-40	0.042	6	15.2	Q2
IPI00216319;	YWHAH	44.3	5.49E-216	0.042	10	2.3	Q2
IPI00170692;	VAPA	42.6	5.85E-75	0.042	9	22.2	Q2
IPI00100748;	HSPBP1	17.8	2.45E-48	0.042	5	13.9	Q2

IPI00299155;	PSMA4	55.6	1.13E-195	0.043	16	7.1	Q2
IPI00828150;	SUGT1	29.3	1.67E-99	0.043	5	6.3	Q2
IPI00026302;	RPL31	48	3.90E-42	0.044	5	3.0	Q2
IPI00790739;	ACO2	35	3.42E-250	0.045	15	9.8	Q2
IPI00925713;	RPL10	54.3	1.96E-97	0.045	35	5.1	Q2
IPI00644712;	XRCC6	48.3	<1.0E-304	0.045	19	12.0	Q2
IPI00398708;	KLC1	18.3	4.65E-34	0.045	6	8.8	Q2
IPI00410693;	SERBP1	43.4	6.43E-156	0.045	11	6.6	Q2
IPI00010349;	AGPS	15.3	4.59E-151	0.045	4	12.1	Q2
IPI00008433;	RPS5	45.6	6.02E-168	0.045	23	7.5	Q2
IPI00748472;	KIAA0196	16.3	3.98E-59	0.046	17	6.5	Q2
IPI00784090;	CCT8	65.1	<1.0E-304	0.046	18	35.0	Q2
IPI00217661;	RAVER1	4.2	4.35E-10	0.046	2	4.0	Q2
IPI00749250;	ACTR2	44.1	1.31E-232	0.046	10	67.7	Q2
IPI00005160;	ARPC1B	43.3	1.02E-103	0.047	8	8.8	Q2
IPI00794543;	CALM1	59.9	1.26E-255	0.047	23	54.2	Q2
IPI00100984;	HEATR3	5.1	7.70E-13	0.047	3	4.7	Q2
IPI00009790;	PFKP	38.4	<1.0E-304	0.047	19	6.2	Q2
IPI00174442;	FAM98A	5.2	2.15E-48	0.048	2	1.6	Q2
IPI00297779;	CCT2	67.5	<1.0E-304	0.048	18	12.3	Q2
IPI00010204;	SFRS3	27.4	6.91E-47	0.049	4	0.7	Q2
IPI00061780;	ITCH	5.1	1.91E-50	0.049	4	6.0	Q2
IPI00430472;	ASCC3	8.8	3.56E-63	0.049	16	5.3	Q2
IPI00007402	IPO7	24.2	<1.0E-304	0.049	45	13.6	Q2
IPI00783302;	PTCD3	6.2	3.66E-63	0.049	4	14.6	Q2
IPI00001960;	CLIC4	58.5	1.24E-157	0.049	9	10.2	Q2
IPI00099550;	UBQLN1	17.3	1.02E-53	0.050	6	6.9	Q2
IPI00553185;	CCT3	57.6	<1.0E-304	0.050	18	37.3	Q2
IPI00028004;	PSMB3	49.8	2.25E-210	0.050	13	5.5	Q2
IPI00845273;	URG4	2.3	4.67E-02	0.050	2	13.8	Q2
IPI00419979;	PAK2	14.1	2.14E-41	0.051	3	6.4	Q2
IPI00033022;	DNM2	20.2	9.65E-74	0.051	15	15.3	Q2
IPI00177008	PGP	27.1	6.30E-42	0.051	3	3.7	Q2

IPI00465044	RCC2	19.2	2.49E-21	0.051	5	14.0	Q2
IPI00004968	PRPF19	21.8	1.36E-179	0.051	2	6.4	Q2
IPI00152377;	STT3B	7	9.55E-40	0.052	5	6.2	Q2
IPI00032003;	EMD	46.1	7.35E-268	0.052	11	40.4	Q2
IPI00219445;	PSME3	43.8	9.47E-133	0.053	12	7.6	Q2
IPI00873403;	RPL24	34.1	4.04E-60	0.053	11	7.2	Q2
IPI00303207	ABCE1	30.2	1.34E-195	0.055	9	10.9	Q2
IPI00028005;	NUP107	5.9	2.94E-06	0.055	6	5.0	Q2
IPI00894287	HDLBP	1.4	<1.0E-304	0.055	2	0.2	Q2
IPI00005657;	PFDN6	53.5	1.77E-44	0.055	2	30.3	Q2
IPI00291928;	RAB14	64.2	1.46E-156	0.055	16	5.6	Q2
IPI00007058;	CORO1B	16.4	8.93E-42	0.056	3	6.5	Q2
IPI00790342;	RPL6	49.1	3.09E-120	0.056	22	30.7	Q2
IPI00844000	KIAA0776	13.1	5.98E-57	0.056	9	8.6	Q2
IPI00783097;	GARS	30.7	<1.0E-304	0.056	14	6.6	Q2
IPI00873222;	CCT4	55.8	<1.0E-304	0.057	17	6.3	Q2
IPI00023101;	RQCD1	9.4	1.50E-18	0.057	2	3.1	Q2
IPI00012202;	WDR77	10.5	1.77E-48	0.057	2	3.6	Q2
IPI00396627;	ELAC2	6.3	4.66E-27	0.058	5	27.1	Q2
IPI00031836;	DRG1	28.6	1.03E-85	0.058	5	4.0	Q2
IPI00007927;	SMC2	24.6	5.35E-187	0.059	29	8.9	Q2
IPI00641743;	HCFC1	4.6	6.30E-47	0.060	8	3.8	Q2
IPI00006952	LACTB2	6.2	1.18E-03	0.060	2	9.1	Q2
IPI00218993;	HSPH1	48.3	<1.0E-304	0.060	38	16.9	Q2
IPI00298520;	ARCN1	27.9	1.44E-89	0.061	9	7.6	Q2
IPI00465132;	COPE	58.8	<1.0E-304	0.061	17	5.4	Q2
IPI00328748;	ARMET	32.1	8.45E-94	0.061	9	33.7	Q2
IPI00843975;	EZR	40.8	1.03E-291	0.061	20	9.7	Q2
IPI00412607;	RPL35	39	4.31E-14	0.061	7	10.6	Q2
IPI00181702;	SFRS15	4.4	1.14E-12	0.062	4	2.4	Q2
IPI00411816;	MRPL2	12.5	4.56E-02	0.063	3	15.1	Q2
IPI00216047;	SMARCC2	6.6	1.43E-121	0.063	7	5.1	Q2
IPI00032355;	PUM1	8.3	1.45E-97	0.063	9	5.7	Q2

IPI00165026;	SETD3	5.1	1.66E-10	0.064	2	0.8	Q2
IPI00018288;	POLR2C	34.2	1.09E-158	0.064	7	19.1	Q2
IPI00005260;	PSME4	4.4	1.93E-46	0.064	7	7.8	Q2
IPI00655754;	UFD1L	18.4	2.22E-87	0.065	3	1.5	Q2
IPI00305267;	GOLGA3	3.9	1.31E-66	0.065	5	9.2	Q2
IPI00005158;	LONP1	9.9	1.12E-52	0.065	9	5.5	Q2
IPI00915363;	RPS24	18.3	1.94E-65	0.065	11	10.1	Q2
IPI00027626;	CCT6A	51.4	1.68E-297	0.065	15	9.6	Q2
IPI00023344;	SYMPK	12.1	6.57E-179	0.065	14	11.5	Q2
IPI00007019	PPIL1	20.5	3.98E-55	0.066	4	5.5	Q2
IPI00033561;	RNPS1	11.5	6.29E-53	0.066	4	3.9	Q2
IPI00023334;	MRPL4	19	7.01E-42	0.066	2	4.3	Q2
IPI00023542;	TMED9	20	2.50E-86	0.066	10	7.8	Q2
IPI00001710;	FFR	2.8	3.71E-07	0.066	2	3.6	Q2
IPI00783872;	CAPRIN1	15.1	1.23E-51	0.067	11	14.3	Q2
IPI00023556;	SSU72	28.9	7.74E-53	0.068	4	40.6	Q2
IPI00555956	PSMB4	31.8	3.15E-191	0.068	10	4.0	Q2
IPI00914048;	C11orf68	11.6	7.37E-07	0.068	2	11.7	Q2
IPI00002902	NOL9	7.3	8.78E-38	0.068	3	9.7	Q2
IPI00396435;	DHX15	29.9	2.69E-114	0.069	29	8.0	Q2
IPI00010320;	CBX1	22.7	1.17E-53	0.070	2	5.4	Q2
IPI00025019;	PSMB1	53.1	3.67E-175	0.070	17	30.8	Q2
IPI00014238;	KARS	30.8	5.46E-97	0.070	15	9.1	Q2
IPI00021290;	ACLY	49	<1.0E-304	0.070	112	17.4	Q2
IPI00009328;	EIF4A3	31.4	1.36E-118	0.070	6	23.5	Q2
IPI00023086;	MRPL15	23	1.55E-83	0.070	6	9.7	Q2
IPI00022228;	HDLBP	39.1	<1.0E-304	0.070	57	6.3	Q2
IPI00220344;	RPL36A	46.2	5.45E-22	0.071	4	11.1	Q2
IPI00180675;	TUBA1A	66.1	<1.0E-304	0.071	43	75.0	Q2
IPI00477155;	GTPBP4	19.5	1.59E-73	0.072	7	10.0	Q2
IPI00305064;	CD44	8	1.28E-74	0.072	9	44.1	Q2
IPI00295066;	MRPL48	16.5	1.86E-33	0.073	2	6.8	Q2
IPI00219153;	RPL22	32	2.80E-57	0.073	4	3.9	Q2

IPI00889541;	DDX17	21.1	2.68E-163	0.073	6	6.6	Q2
IPI00549189;	THOP1	15.7	2.73E-60	0.074	6	7.8	Q2
IPI00743698;	PTPRA	3.1	3.66E-19	0.074	2	7.8	Q2
IPI00015856;	DNPEP	8.3	1.76E-10	0.074	2	18.4	Q2
IPI00218782;	CAPZB	46.3	6.55E-208	0.075	15	6.5	Q2
IPI00019385;	SSR4	34.2	1.20E-76	0.075	4	1.7	Q2
IPI00871695;	DEK	16.5	1.11E-46	0.075	5	11.7	Q2
IPI00847168;	RSU1	33.6	8.28E-59	0.075	8	8.0	Q2
IPI00395627;	CACYBP	58.3	4.86E-121	0.075	10	11.4	Q2
IPI00020454	DCK	11.2	5.34E-03	0.075	4	5.6	Q2
IPI00162563;	RNF40	5.3	5.05E-30	0.076	4	17.8	Q2
IPI00413344;	CFL2	37.3	8.10E-127	0.076	5	21.5	Q2
IPI00100796	CHMP5	28.3	9.16E-131	0.077	7	3.0	Q2
IPI00295857;	COPA	46.5	<1.0E-304	0.077	62	8.7	Q2
IPI00010740;	SFPQ	45.3	<1.0E-304	0.077	40	11.4	Q2
IPI00100160;	CAND1	36.7	<1.0E-304	0.077	50	9.5	Q2
IPI00411901;	DLG5	1.8	1.17E-19	0.078	3	7.2	Q2
IPI00010720;	CCT5	50.1	2.96E-275	0.078	17	8.7	Q2
IPI00221235;	NUP160	9.3	7.56E-54	0.078	13	6.2	Q2
IPI00005537;	MRPL12	39.9	1.44E-52	0.079	5	38.0	Q2
IPI00719040;	C1orf77	11.6	4.32E-07	0.079	3	0.4	Q2
IPI00645446;	MCTS1	46.7	2.46E-157	0.080	9	5.4	Q2
IPI00218343;	TUBA1C	12.2	<1.0E-304	0.080	11	170.3	Q2
IPI00020042;	PSMC4	31.8	1.09E-173	0.081	6	8.9	Q2
IPI00797574;	FAM44A	1.4	2.02E-11	0.082	4	16.2	Q2
IPI00873253;	SEC11A	17.1	9.45E-21	0.082	5	16.0	Q2
IPI00909772;	AP2M1	19.8	8.80E-32	0.082	5	53.4	Q2
IPI00032851;	COPZ1	30.5	2.76E-119	0.082	6	1.8	Q2
IPI00555597;	PTRH2	39.4	8.37E-145	0.083	5	6.1	Q2
IPI00026627	RP2	5.1	9.86E-04	0.083	2	35.7	Q2
IPI00903119;	SMS	18.2	3.83E-101	0.083	4	4.2	Q2
IPI00332371;	PFKL	11.8	1.09E-179	0.084	6	5.7	Q2
IPI00003362;	HSPA5	53.4	<1.0E-304	0.084	36	10.3	Q2

IPI00171573;	CCDC109A	22.5	7.11E-23	0.085	4	5.6	Q2
IPI00792352;	RAN	44.9	2.25E-164	0.085	24	14.9	Q2
IPI00303476;	ATP5B	61.1	<1.0E-304	0.085	27	10.7	Q2
IPI00026182;	CAPZA2	31.5	1.31E-73	0.085	3	16.3	Q2
IPI00013070;	HNRNPUL1	14.6	7.90E-91	0.085	11	23.0	Q2
IPI00440493;	ATP5A1	56.1	<1.0E-304	0.086	20	20.7	Q2
IPI00329692;	NMT1	20	8.01E-90	0.086	5	10.1	Q2
IPI00009464;	EXOSC10	10.1	3.75E-96	0.086	7	11.9	Q2
IPI00299254	EIF5B	27.4	7.52E-248	0.086	37	12.6	Q2
IPI00217013;	SMEK1	3.1	1.20E-03	0.087	2	2.7	Q2
IPI00479191;	HNRNPH1	31.6	3.03E-230	0.087	12	14.5	Q2
IPI00220834;	XRCC5	39.6	9.30E-246	0.087	34	10.8	Q2
IPI00419531;	CPSF2	3.8	9.34E-28	0.088	3	5.6	Q2
IPI00218475;	IFI35	26	3.84E-38	0.088	3	11.4	Q2
IPI00009771;	LMNB2	36.3	4.14E-199	0.088	15	19.2	Q2
IPI00054042;	GTF2I	22.5	5.90E-94	0.088	26	45.8	Q2
IPI00644079;	HNRNPU	36.1	<1.0E-304	0.088	47	6.6	Q2
IPI00872762;	SUCLG1	22	5.27E-63	0.089	6	10.4	Q2
IPI00010845;	NDUFS8	27.1	3.29E-40	0.090	4	13.9	Q2
IPI00011302	CD59	25	3.46E-27	0.090	6	3.2	Q2
IPI00219005	FKBP4	66.2	<1.0E-304	0.091	12	44.0	Q2
IPI00014151;	PSMD6	42.4	1.08E-128	0.091	7	16.2	Q2
IPI00294159;	SLC25A1	28.9	1.23E-48	0.091	11	5.6	Q2
IPI00015905;	EXOSC2	15	8.11E-68	0.091	3	2.7	Q2
IPI00026824	HMOX2	35.9	7.09E-83	0.091	6	4.7	Q2
IPI00641829;	BAT1	39.3	2.24E-187	0.092	24	6.9	Q2
IPI00024013;	UBE2D3	12.2	7.61E-10	0.092	2	18.5	Q2
IPI00028931	DSG2	4.5	9.43E-25	0.092	4	7.4	Q2
IPI00239406;	SYNE2	9.2	2.75E-199	0.092	64	14.4	Q2
IPI00289776;	MYCBP2	4.3	1.52E-39	0.093	18	9.3	Q2
IPI00026271;	RPS14	39.7	1.85E-175	0.093	11	10.3	Q2
IPI00005613;	U2AF1	35	5.43E-93	0.093	7	7.3	Q2
IPI00023860;	NAP1L1	19.9	1.82E-235	0.094	5	16.2	Q2

IPI00853201;	MRPL23	27.2	1.46E-33	0.094	4	16.6	Q2
IPI00006025;	SART3	11.4	2.87E-75	0.095	10	5.7	Q2
IPI00854642;	PDS5A	21.8	9.69E-181	0.095	27	8.6	Q2
IPI00478410;	ATP5C1	31.5	1.64E-90	0.095	9	5.1	Q2
IPI00411730;	PPP4R1	17.8	1.15E-123	0.095	10	8.7	Q2
IPI00014053;	TOMM40	16.1	3.19E-30	0.096	3	5.0	Q2
IPI00009342;	IQGAP1	51.5	<1.0E-304	0.096	104	7.7	Q2
IPI00746351;	DIS3	14.1	9.77E-104	0.096	11	22.6	Q2
IPI00171856	DOHH	14.6	8.24E-22	0.097	3	5.7	Q2
IPI00456664;	NIT1	26.4	1.44E-43	0.098	4	29.4	Q2
IPI00293464;	DDB1	35.6	4.79E-237	0.098	44	9.4	Q2
IPI00298281	LAMC1	6.8	3.60E-87	0.098	10	16.5	Q2
IPI00007334;	ACIN1	0.5	9.55E-03	0.098	2	29.9	Q2
IPI00002408;	RPAP3	3.6	5.12E-08	0.099	2	2.5	Q2
IPI00395887;	TMX1	22.5	4.23E-45	0.099	7	5.6	Q2
IPI00007814;	ATP6V1C1	15.2	6.17E-29	0.100	3	5.2	Q2
IPI00307749;	NDUFS7	7.7	3.13E-18	0.100	2	12.4	Q2
IPI00031655	VPS25	15.9	4.68E-07	0.100	2	9.2	Q2
IPI00295851	COPB1	41.9	<1.0E-304	0.101	37	6.2	Q2
IPI00304596;	NONO	37.2	8.87E-256	0.101	10	20.6	Q2
IPI00170877;	MRPL10	7	8.80E-67	0.101	2	13.4	Q2
IPI00414858;	COG3	7.5	1.12E-44	0.102	4	12.4	Q2
IPI00292894	TSR1	11.7	2.89E-46	0.102	7	8.3	Q2
IPI00031615;	LLPH	29.5	2.13E-17	0.102	5	4.4	Q2
IPI00022386;	TXNDC9	21.2	1.01E-04	0.103	5	3.4	Q2
IPI00093057	CPOX	6.8	1.16E-19	0.104	2	0.6	Q2
IPI00294501	DHCR7	16.6	7.47E-49	0.104	3	5.4	Q2
IPI00007084	SLC25A13	21	5.83E-192	0.105	9	8.4	Q2
IPI00784161;	SUPT6H	1.9	8.89E-09	0.105	3	10.5	Q2
IPI00030915;	USP8	2.4	1.05E-28	0.105	2	5.1	Q2
IPI00007074	YARS	33.9	1.73E-38	0.105	5	4.9	Q2
IPI00033025;	7-Sep	26.3	1.41E-196	0.106	7	13.5	Q2
IPI00479786;	KHSRP	32.5	6.42E-141	0.106	20	42.7	Q2

IPI00099871;	MRPL40	16	2.10E-31	0.107	4	7.0	Q2
IPI00014938;	SARNP	31.9	5.09E-76	0.108	2	12.9	Q2
IPI00871856;	STIP1	54.7	2.90E-233	0.108	28	16.8	Q2
IPI00006052	PFDN2	41.6	2.37E-69	0.108	6	8.0	Q2
IPI00006715;	RAD21	3	4.64E-02	0.108	2	2.9	Q2
IPI00158615;	THOC2	4.5	4.78E-54	0.109	7	6.0	Q2
IPI00456887;	HNRNPUL2	31.3	2.30E-221	0.109	20	8.6	Q2
IPI00011118;	RRM2	17.1	9.94E-103	0.109	3	5.4	Q2
IPI00745568;	TIPRL	23.9	6.16E-28	0.110	4	7.6	Q2
IPI00293331	POP1	14.9	4.05E-76	0.110	12	6.0	Q2
IPI00334159	VBP1	33.5	2.12E-59	0.110	6	5.2	Q2
IPI00292020	SRM	39.4	9.90E-103	0.110	11	5.0	Q2
IPI00168479;	APOA1BP	16	4.18E-106	0.111	5	7.4	Q2
IPI00247871;	TCERG1	19	1.65E-88	0.111	21	10.2	Q2
IPI00014253	RRS1	15.3	9.28E-24	0.112	2	7.9	Q2
IPI00217467	HIST1H1E	15.5	6.90E-76	0.112	2	4.1	Q2
IPI00871585;	BID	25.3	3.40E-42	0.112	3	15.5	Q2
IPI00009680	MRPL44	17.5	5.39E-48	0.112	2	7.1	Q2
IPI00002557;	COPG2	9.4	3.25E-158	0.112	7	19.6	Q2
IPI00003865;	HSPA8	65	<1.0E-304	0.112	53	11.8	Q2
IPI00073602	EXOSC6	25	2.85E-70	0.112	4	9.8	Q2
IPI00007691;	TRAPPC4	40.2	2.65E-46	0.112	5	5.6	Q2
IPI00219365;	MSN	62	<1.0E-304	0.113	44	13.2	Q2
IPI00015956;	EXOSC3	17.1	9.41E-103	0.113	3	4.3	Q2
IPI00221035;	BTF3	45.6	1.29E-96	0.113	17	7.5	Q2
IPI00797126;	NACA	7.8	1.45E-137	0.114	15	8.2	Q2
IPI00045914;	SPEN	0.5	4.62E-02	0.114	2	8.9	Q2
IPI00000783;	PSMB8	30.1	4.01E-63	0.114	5	9.5	Q2
IPI00925052;	ARPC4	31.6	3.52E-30	0.115	5	4.4	Q2
IPI00219018;	GAPDH	74.6	<1.0E-304	0.115	68	142.6	Q2
IPI00179757	KIF1C	3	8.77E-24	0.116	3	4.4	Q2
IPI00013860;	HIBADH	28.6	2.73E-128	0.116	9	18.6	Q2
IPI00030320	DDX6	24.4	8.39E-89	0.116	2	5.9	Q2

IPI00015602;	TOMM70A	11.7	1.42E-121	0.116	7	22.5	Q2
IPI00643920;	TKT	49.6	<1.0E-304	0.116	21	57.3	Q2
IPI00480142;	CUL4B	4.3	2.42E-11	0.116	5	22.8	Q2
IPI00878611;	RANBP1	25.4	6.33E-51	0.117	7	4.5	Q2
IPI00549381	MRPL1	24.3	1.40E-80	0.117	5	10.2	Q2
IPI00477971;	TBL3	16.2	7.78E-139	0.118	10	10.0	Q2
IPI00026781	FASN	52	<1.0E-304	0.118	228	23.4	Q2
IPI00001159;	GCN1L1	32.5	<1.0E-304	0.119	103	10.3	Q2
IPI00033030;	ADRM1	15.5	3.53E-35	0.120	3	0.7	Q2
IPI00301419;	COPS7A	16	1.83E-25	0.120	2	5.6	Q2
IPI00456940;	RPL7L1	22.8	4.06E-22	0.121	5	10.3	Q2
IPI00024167	ESF1	3.5	5.64E-03	0.121	4	8.3	Q2
IPI00297572;	AQR	3.8	2.72E-08	0.121	6	21.6	Q2
IPI00304187;	RBM28	7.5	7.11E-17	0.122	6	18.6	Q2
IPI00011654;	TUBB	73.4	<1.0E-304	0.122	91	109.4	Q2
IPI00296353;	ARHGAP18	9.5	1.25E-88	0.123	4	2.1	Q2
IPI00328319;	RBBP4	18.8	5.61E-39	0.123	8	110.2	Q2
IPI00456925;	DBNL	38.6	5.59E-94	0.124	3	10.8	Q2
IPI00555565	HSP90AB4P	2.2	1.50E-68	0.124	2	1.6	Q2
IPI00428967;	TIRAP3	8.4	1.84E-15	0.124	2	3.4	Q2
IPI00784154;	HSPD1	61.6	<1.0E-304	0.124	43	100.3	Q2
IPI00015973;	EPB41L2	14.1	2.21E-105	0.125	12	16.5	Q2
IPI00005179;	POLR1C	12.4	3.28E-112	0.125	3	9.4	Q2
IPI00012197	DCTPP1	44.1	5.30E-63	0.125	6	36.1	Q2
IPI00024976	TOMM22	66.2	1.27E-176	0.126	7	2.5	Q2
IPI00185146	IPO9	20	4.05E-145	0.126	24	11.0	Q2
IPI00299507;	NCAPH	10.4	1.09E-24	0.126	7	40.9	Q2
IPI00251559;	RNF20	7.7	7.13E-41	0.126	8	13.4	Q2
IPI00219037	H2AFX	42.7	2.64E-69	0.126	6	287.4	Q2
IPI00008240;	MARS	29.2	7.84E-287	0.126	22	5.5	Q2
IPI00008575;	KHDRBS1	18.5	2.93E-63	0.127	5	6.2	Q2
IPI00329629;	DNAJC7	10.3	2.65E-15	0.127	3	8.9	Q2
IPI00026108;	PLA2G4A	2.9	3.04E-05	0.128	2	18.3	Q2

IPI00012490;	ATP2B4	17.9	1.73E-261	0.128	19	9.6	Q2
IPI00797279;	UHRF1	5.5	8.35E-13	0.130	4	18.5	Q2
IPI00428288;	MRPL43	42.1	1.25E-46	0.130	6	3.7	Q2
IPI00455210;	CHD4	12.9	1.36E-203	0.130	28	7.1	Q2
IPI00746655;	FAM62A	32.9	<1.0E-304	0.130	41	17.6	Q2
IPI00219774;	PRKAR2A	21.5	1.64E-80	0.130	3	16.2	Q2
IPI00010153;	RPL23	57.9	1.01E-193	0.130	10	5.1	Q2
IPI00009032;	SSB	40.9	1.25E-110	0.131	9	13.7	Q2
IPI00333068;	ARPC1A	18.9	3.50E-30	0.131	2	3.3	Q2
IPI00177965;	NT5DC1	11.4	6.26E-47	0.131	2	0.6	Q2
IPI00301489;	UROD	10.1	1.19E-10	0.131	2	8.9	Q2
IPI00306723;	CEBPZ	10.6	5.35E-42	0.131	11	5.0	Q2
IPI00910593;	CNN2	50.3	9.31E-187	0.132	14	7.6	Q2
IPI00290461;	EIF3J	28.3	8.58E-43	0.132	5	9.1	Q2
IPI00024067;	CLTC	50.3	<1.0E-304	0.133	173	11.8	Q2
IPI00021258;	ARFIP1	15.3	5.39E-22	0.133	2	2.8	Q2
IPI00025347;	EMG1	38.1	1.00E-72	0.133	7	6.3	Q2
IPI00793443;	IPO5	39.9	<1.0E-304	0.133	59	12.4	Q2
IPI00646361;	NUP214	5.5	2.86E-37	0.133	11	10.2	Q2
IPI00007675;	DYNC1L1	11.3	7.38E-59	0.134	2	36.9	Q2
IPI00021766;	RTN4	8	1.63E-70	0.134	5	17.6	Q2
IPI00102173;	UBE2E2	17.9	2.64E-40	0.135	3	23.5	Q2
IPI00174852;	MED20	14.6	1.85E-05	0.135	2	6.2	Q2
IPI00168885;	DHX57	3.2	9.97E-29	0.135	4	10.4	Q2
IPI00179298;	HUWE1	16	<1.0E-304	0.136	75	15.7	Q2
IPI00216951;	DARS	55.9	1.63E-175	0.136	10	7.0	Q2
IPI00009976	TMED1	4	6.43E-04	0.136	2	13.0	Q2
IPI00640088;	CSNK2B	44.4	1.55E-114	0.136	12	9.4	Q2
IPI00293564;	HMGCL	27.4	4.42E-108	0.136	4	14.7	Q2
IPI00479534;	CRSP3	4.4	1.76E-17	0.137	6	6.0	Q2
IPI00746934;	UBR4	18.5	<1.0E-304	0.138	116	16.4	Q2
IPI00003309;	POLR2H	38.7	2.63E-53	0.138	5	7.0	Q2
IPI00031410	FRAP1	2.6	4.54E-69	0.138	6	10.9	Q2

IPI00549248;	NPM1	55.1	1.63E-303	0.139	61	12.7	Q2
IPI00033130;	SAE1	26	6.58E-56	0.140	3	6.8	Q2
IPI00014439;	QDPR	22.5	8.24E-132	0.140	3	3.9	Q2
IPI00291939;	SMC1A	21	1.35E-227	0.141	25	10.4	Q2
IPI00009958;	COPSS	33.2	2.97E-43	0.141	6	9.1	Q2
IPI00844215;	SPTAN1	38.6	<1.0E-304	0.142	102	27.0	Q2
IPI00646058;	SAFB	20.9	5.75E-96	0.142	19	6.9	Q2
IPI00005737;	SURF4	18.6	1.24E-54	0.143	8	5.6	Q2
IPI00027983	CDA	46.6	5.95E-84	0.143	4	36.9	Q2
IPI00171636;	NAV1	1	4.09E-16	0.144	2	15.1	Q2
IPI00019169;	SH3GL1	22.6	6.39E-94	0.144	2	10.8	Q2
IPI00010810;	ETFA	48.3	2.23E-253	0.145	14	9.3	Q2
IPI00220648	PMVK	40.1	4.71E-51	0.145	5	15.9	Q2
IPI00013290;	HDGFRP2	4.1	2.61E-44	0.145	2	3.6	Q2
IPI00011619;	PAPSS1	14.9	3.00E-62	0.146	7	4.9	Q2
IPI00011937;	PRDX4	26.9	3.29E-25	0.146	6	2.6	Q2
IPI00894104	HEATR2	15.1	4.85E-49	0.147	8	6.4	Q2
IPI00152692	DTD1	14.8	7.33E-58	0.147	2	6.0	Q2
IPI00032459;	AP3M1	16.3	3.28E-72	0.147	4	10.8	Q2
IPI00329591;	RMND1	5.8	1.80E-06	0.148	2	12.5	Q2
IPI00024911;	ERP29	47.5	1.43E-121	0.148	10	5.0	Q2
IPI00294779;	VDAC3	39.8	5.40E-96	0.148	9	21.0	Q2
IPI00183002;	PPP1R12A	18.9	1.66E-171	0.148	18	16.6	Q2
IPI00017596;	MAPRE1	39.2	7.51E-181	0.149	7	4.9	Q2
IPI00735181;	UNC45A	22.6	7.21E-181	0.150	21	33.6	Q2
IPI00219729;	SLC25A11	51.9	1.60E-117	0.150	9	12.2	Q2
IPI00874185;	HIBCH	9.9	9.47E-26	0.150	2	0.4	Q2
IPI00718888;	PRPS2	30.8	8.85E-157	0.151	4	10.6	Q2
IPI00291751;	C2orf47	10.3	1.48E-18	0.152	2	10.0	Q2
IPI00337397;	NUP98	6.1	2.19E-44	0.153	10	12.7	Q2
IPI00003881	HNRNPF	27.7	1.46E-196	0.153	5	8.6	Q2
IPI00217540;	KDM1	7.8	8.44E-120	0.153	6	10.7	Q2
IPI00023987;	PPCS	22.5	1.71E-18	0.154	5	4.7	Q2

IPI00001757;	RBM8A	31.6	4.46E-57	0.154	4	14.3	Q2
IPI00642904;	PABPC4	10.6	2.84E-224	0.154	3	2.7	Q2
IPI00329696;	FAM82B	21.3	1.42E-27	0.154	6	8.0	Q2
IPI00410259;	PHLDB2	3.9	5.81E-53	0.155	4	4.7	Q2
IPI00069817;	BAZ1B	1.8	3.64E-09	0.155	2	0.9	Q2
IPI00009480;	COPS8	34.9	7.18E-82	0.155	4	4.1	Q2
IPI00307155;	ROCK2	12.8	1.27E-94	0.156	16	20.7	Q2
IPI00099996	RG9MTD1	30	5.23E-107	0.156	7	10.5	Q2
IPI00010244;	MRPS11	13.4	1.11E-02	0.158	2	8.5	Q2
IPI00550239	H1F0	23.7	1.56E-49	0.158	10	21.4	Q2
IPI00396967;	FHL2	33.7	9.64E-121	0.158	8	8.4	Q2
IPI00296635	GBE1	8.3	3.08E-10	0.159	2	25.0	Q2
IPI00025252;	PDIA3	61.2	<1.0E-304	0.159	12	124.2	Q2
IPI00020567;	ARHGAP1	24.2	6.64E-37	0.159	2	9.7	Q2
IPI00011250;	UCHL3	46.1	1.69E-113	0.159	8	8.4	Q2
IPI00009057;	G3BP2	13.1	2.65E-87	0.159	5	5.9	Q2
IPI00167941;	MDN1	8.6	6.65E-124	0.159	47	9.1	Q2
IPI00604590;	NME1	71.9	3.14E-195	0.160	29	13.4	Q2
IPI00000875;	EEF1G	44.4	2.22E-232	0.160	25	10.9	Q2
IPI00025796	NDUFS3	40.9	9.39E-165	0.160	7	4.3	Q2
IPI00004839	CRKL	36.6	1.78E-153	0.161	3	46.3	Q2
IPI00020513;	ZYX	13.3	2.46E-55	0.162	4	10.7	Q2
IPI00024006;	PIK3R4	7	6.71E-61	0.162	9	6.1	Q2
IPI00219526;	PGM1	20.6	7.81E-44	0.162	4	7.9	Q2
IPI00604624;	NIF3L1	16.4	1.38E-35	0.162	2	3.6	Q2
IPI00031461;	GDI2	70.8	<1.0E-304	0.163	29	64.7	Q2
IPI00157734;	EXOC3	4.6	1.18E-09	0.163	2	19.1	Q2
IPI00916503;	BZW1	33.9	1.19E-54	0.163	11	9.1	Q2
IPI00166044;	RPTOR	2.7	1.22E-19	0.164	3	7.5	Q2
IPI00289082;	PTPN12	5.4	5.76E-30	0.164	2	4.7	Q2
IPI00465294;	CDC5L	16.8	7.58E-195	0.164	12	22.3	Q2
IPI00444371;	WDR44	8.4	9.67E-76	0.165	6	7.1	Q2
IPI00008223;	RAD23B	21.8	8.94E-141	0.165	6	7.3	Q2

IPI00300127;	NAT10	20.5	1.28E-159	0.165	29	64.1	Q2
IPI00022334	OAT	42.6	4.55E-216	0.165	3	10.6	Q2
IPI00215918;	ARF4	38.9	5.60E-152	0.166	12	6.1	Q2
IPI00413895;	GOLGA2	15	7.86E-91	0.166	12	8.4	Q2
IPI00000581;	OTUB1	47.4	1.17E-194	0.166	13	8.2	Q2
IPI00783559	EXOC2	5.7	6.80E-20	0.166	4	4.0	Q2
IPI00219446;	PEBP1	79.7	2.97E-304	0.166	11	6.2	Q2
IPI00011970;	HSD17B7	12.3	5.94E-21	0.167	3	6.3	Q2
IPI00440703;	GSTK1	29.8	4.08E-113	0.167	7	17.0	Q2
IPI00396015;	ACACA	15	2.09E-197	0.168	31	6.1	Q2
IPI00642238;	HP1BP3	14.8	3.73E-16	0.168	3	17.8	Q2
IPI00784366;	AP2B1	34.8	1.51E-300	0.168	28	15.9	Q2
IPI00293434;	SRP14	40.4	1.61E-67	0.169	8	3.8	Q2
IPI00444452;	MOV10	8.2	1.10E-40	0.169	8	18.3	Q2
IPI00010154;	GDI1	18.8	1.85E-284	0.170	2	6.0	Q2
IPI00549564;	ACSS2	5.3	1.10E-15	0.170	3	12.1	Q2
IPI00479877;	ALDH9A1	23.6	6.05E-121	0.170	5	14.8	Q2
IPI00163505;	RBM39	13.4	1.08E-70	0.170	3	7.3	Q2
IPI00002520;	SHMT2	32.7	5.43E-200	0.170	7	5.2	Q2
IPI00217952;	GFPT1	19.2	2.06E-118	0.172	9	10.7	Q2
IPI00477982;	RPS6KA1	13.4	3.44E-71	0.174	7	51.6	Q2
IPI00171844	COPS4	20	4.88E-92	0.174	4	13.6	Q2
IPI00170752;	TNS4	11.2	8.83E-11	0.174	5	10.0	Q2
IPI00016621;	AP2A2	7.3	1.77E-177	0.175	5	18.6	Q2
IPI00000861;	LASP1	52.1	2.91E-72	0.176	6	19.1	Q2
IPI00005648;	SAFB2	6.3	1.37E-89	0.177	6	32.5	Q2
IPI00154645;	TBC1D15	2.7	1.28E-06	0.178	2	20.6	Q2
IPI00910701;	AARS	38.7	<1.0E-304	0.178	32	7.0	Q2
IPI00024175;	PSMA7	44.8	1.40E-174	0.180	10	5.5	Q2
IPI00029557;	GRPEL1	42.4	9.92E-63	0.180	7	6.4	Q2
IPI00018146;	YWHAQ	48.2	<1.0E-304	0.180	18	11.5	Q2
IPI00640818;	PNPLA6	3.1	2.06E-33	0.180	3	15.6	Q2
IPI00025874;	RPN1	37	1.22E-299	0.180	14	6.3	Q2

IPI00170935	LRRC47	24.4	6.15E-63	0.181	9	7.8	Q2
IPI00029264	CYC1	20	6.98E-50	0.182	5	4.4	Q2
IPI00220487;	ATP5H	78.3	5.66E-142	0.182	10	6.2	Q2
IPI00220219;	COPB2	34.3	7.53E-275	0.182	24	34.7	Q2
IPI00002569	EIF4EBP1	25.4	4.89E-12	0.183	2	2.2	Q2
IPI00409635;	FAM62B	11.4	6.49E-87	0.183	8	11.9	Q2
IPI00018120;	DAP3	20.1	2.03E-87	0.183	2	2.9	Q2
IPI00001091	AFG3L2	6.3	3.21E-14	0.184	4	53.9	Q2
IPI00022745;	MVD	20.8	1.56E-80	0.184	4	6.7	Q2
IPI00783982;	COPG	37.8	<1.0E-304	0.184	39	43.6	Q2
IPI00021978;	PEX11B	12.7	1.12E-19	0.184	2	5.1	Q2
IPI00017412;	RFC2	13.8	6.42E-20	0.185	3	11.5	Q2
IPI00013122	CDC37	33.9	3.37E-158	0.185	4	3.7	Q2
IPI00005154;	SSRP1	16.9	1.94E-67	0.185	7	3.7	Q2
IPI00003817;	ARHGDI1B	27.9	5.11E-109	0.186	3	10.4	Q2
IPI00396131	YTHDF3	7.8	5.36E-05	0.186	3	3.2	Q2
IPI00220362;	HSPE1	70.6	1.57E-71	0.186	3	0.2	Q2
IPI00465248;	ENO1	69.8	<1.0E-304	0.187	39	46.6	Q2
IPI00007102;	C17orf25	26.8	4.83E-151	0.188	9	9.8	Q2
IPI00305092;	WIBG	31.9	2.00E-104	0.188	3	4.4	Q2
IPI00152890;	NOL6	11.7	4.52E-77	0.188	13	8.0	Q2
IPI00642369;	ELP2	3	2.86E-03	0.189	2	24.6	Q2
IPI00022542;	ROCK1	7	9.25E-34	0.189	9	14.4	Q2
IPI00871815;	LNPEP	18.8	5.17E-72	0.189	20	6.9	Q2
IPI00026970;	SUPT16H	23.8	1.21E-185	0.189	28	14.8	Q2
IPI00011916;	AIMP2	17.5	2.23E-87	0.191	5	12.3	Q2
IPI00007089	TINP1	15.8	8.71E-10	0.191	3	10.4	Q2
IPI00748303;	ZFR	5.2	3.07E-20	0.191	5	68.0	Q2
IPI00006970	MRPS2	13.2	1.40E-10	0.191	4	8.0	Q2
IPI00026833	ADSS	21.3	5.74E-86	0.192	3	4.7	Q2
IPI00007909	RABAC1	18.9	3.61E-20	0.193	3	15.3	Q2
IPI00828080;	ARAP1	3.7	7.18E-28	0.193	4	16.9	Q2
IPI00218448;	H2AFZ	41.4	1.37E-32	0.193	3	3.7	Q2

IPI00026328	TXNDC12	26.2	2.78E-69	0.193	5	7.1	Q2
IPI00016703	DHCR24	17.6	6.53E-47	0.193	2	7.7	Q2
IPI00046057	STXBP1	3.2	2.14E-02	0.194	2	14.5	Q2
IPI00604777	DPP9	12.1	3.56E-86	0.194	9	13.2	Q2
IPI00307259	DNAJC13	3.7	3.27E-59	0.195	7	5.4	Q2
IPI00398272	COL17A1	10	5.44E-61	0.195	13	14.1	Q2
IPI00004902	ETFB	60	2.23E-116	0.195	7	5.0	Q2
IPI00171087	SRBD1	3.2	6.63E-28	0.196	3	5.4	Q2
IPI00647185	CEP170	0.9	4.70E-02	0.196	2	41.7	Q2
IPI00157757	MICAL1	5.4	1.12E-24	0.197	5	6.4	Q2
IPI00922511	F11R	35.6	8.32E-62	0.199	7	4.8	Q2
IPI00006092	PMM2	46.7	5.34E-35	0.199	8	13.9	Q2
IPI00015018	PPA1	80.6	<1.0E-304	0.199	22	6.8	Q2
IPI00902991	CSTF2	5.7	2.02E-25	0.199	3	15.1	Q2
IPI00009822	SRP54	26	1.46E-178	0.199	5	7.5	Q2
IPI00410067	ZC3HAV1	7.2	4.23E-51	0.199	5	34.1	Q2
IPI00103483	COBRA1	3.4	1.75E-20	0.200	2	18.8	Q2
IPI00002894	POLD1	14.6	6.47E-109	0.201	19	23.4	Q2
IPI00029133	ATP5F1	44.1	1.50E-72	0.202	10	11.4	Q2
IPI00397904	NUP93	31.3	4.32E-209	0.203	27	27.6	Q2
IPI00031522	HADHA	32	<1.0E-304	0.203	10	4.7	Q2
IPI00913912	ATXN10	12.2	1.93E-21	0.203	5	5.4	Q2
IPI00020956	HDGF	45	2.30E-90	0.204	6	16.4	Q2
IPI00291946	USP10	14.8	6.64E-87	0.205	8	6.5	Q2
IPI00441473	PRMT5	20.7	1.19E-111	0.205	5	2.7	Q2
IPI00016670	C11orf59	46	1.08E-97	0.206	8	3.1	Q2
IPI00304577	AP2A1	23.1	4.48E-218	0.206	24	12.1	Q2
IPI00328306	ZC3H11A	4.3	4.44E-47	0.207	3	5.5	Q2
IPI00871932	SPTBN1	34	<1.0E-304	0.207	77	7.6	Q2
IPI00297579	CBX3	39.3	1.33E-156	0.207	11	4.7	Q2
IPI00007052	FIS1	34.2	2.68E-64	0.207	3	5.6	Q2
IPI00218733	SOD1	59.1	9.66E-100	0.208	6	6.0	Q2
IPI00396171	MAP4	42.9	3.87E-278	0.208	64	11.5	Q2

IPI00894340;	40423	34.9	2.43E-192	0.208	3	7.4	Q2
IPI00013167;	MRPS25	17.3	1.72E-36	0.209	3	6.0	Q2
IPI00008034	RAB23	10.5	1.47E-07	0.209	2	0.6	Q2
IPI00021129;	AP3B1	26.1	2.40E-128	0.210	32	23.9	Q2
IPI00220373;	IDE	11.7	2.89E-57	0.210	10	10.8	Q2
IPI00375144;	SRRT	11.5	2.11E-23	0.210	11	6.8	Q2
IPI00007611;	ATP5O	70	7.79E-273	0.210	16	5.5	Q2
IPI00026219	CPSF1	5.8	3.84E-31	0.211	8	5.6	Q2
IPI00028635;	RPN2	20.2	2.37E-198	0.211	19	27.7	Q2
IPI00296830;	LUZP1	27.5	1.57E-147	0.211	24	24.7	Q2
IPI00169325	WDR36	11.5	3.93E-76	0.211	10	5.8	Q2
IPI00001985;	VPS18	2.3	5.84E-22	0.212	2	0.8	Q2
IPI00658155;	MRPS34	18.7	7.15E-26	0.213	4	11.1	Q2
IPI00305068	PRPF6	12.1	1.09E-69	0.214	11	18.1	Q2
IPI00170596	SIN3A	2.1	2.90E-17	0.214	2	2.3	Q2
IPI00297084;	DDOST	28.7	1.40E-112	0.217	6	7.5	Q2
IPI00103525;	PSPC1	4.8	1.47E-30	0.217	2	1.9	Q2
IPI00411886;	NOC2L	8.5	2.11E-09	0.217	5	16.8	Q2
IPI00910977;	MPST	36	1.51E-144	0.217	5	39.8	Q2
IPI00014587;	CLTA	22.2	6.66E-79	0.217	4	8.1	Q2
IPI00644674;	NUBP2	23.6	6.33E-22	0.217	4	11.3	Q2
IPI00747810;	FSCN1	55.2	<1.0E-304	0.217	21	8.2	Q2
IPI00645431;	BAT3	15	2.98E-99	0.218	16	63.4	Q2
IPI00923606;	EPRS	29	<1.0E-304	0.218	57	7.1	Q2
IPI00217686	FTSJ3	13.9	4.06E-139	0.218	9	26.9	Q2
IPI00101186;	RRP12	17.5	2.43E-79	0.218	25	10.3	Q2
IPI00412987;	GMFB	34.4	5.58E-73	0.219	6	7.2	Q2
IPI00855787;	TNKS1BP1	23.5	<1.0E-304	0.219	34	10.8	Q2
IPI00013468;	BUB3	24.7	3.56E-34	0.219	3	8.9	Q2
IPI00011268;	RALY	34.2	3.29E-49	0.221	5	13.0	Q2
IPI00028980;	URB2	3.5	3.38E-26	0.221	5	16.0	Q2
IPI00465431	LGALS3	33.6	2.92E-74	0.221	13	6.9	Q2
IPI00855940;	XPO7	15.7	2.63E-125	0.221	18	9.7	Q2

IPI00026546;	PAFAH1B2	27.1	3.38E-188	0.221	5	44.5	Q2
IPI00013862;	DTYMK	63.2	1.96E-59	0.222	12	9.0	Q2
IPI00644775;	EXOSC5	9.7	6.04E-22	0.222	2	10.7	Q2
IPI00184477;	GPHN	6.5	1.28E-67	0.223	4	8.3	Q2
IPI00297492;	STT3A	9.4	1.15E-24	0.224	12	17.5	Q2
IPI00394679;	WHSC2	4.5	1.73E-36	0.225	2	5.8	Q2
IPI00007024	FAM96B	30.1	3.30E-05	0.225	3	0.8	Q2
IPI00844237;	BAT2	2.2	1.17E-08	0.226	3	2.4	Q2
IPI00024664;	USP5	20.2	2.43E-105	0.226	16	8.8	Q2
IPI00152695;	WDR82	20.4	2.13E-143	0.227	6	29.6	Q2
IPI00017726;	HSD17B10	73.6	<1.0E-304	0.227	19	7.0	Q2
IPI00796366;	MYL6	45	1.30E-182	0.227	5	2.6	Q2
IPI00796919;	GLB1	5	7.35E-10	0.228	3	31.6	Q2
IPI00879004;	TOP2A	14	1.41E-183	0.229	27	21.6	Q2
IPI00873899;	ABCF1	13.1	1.92E-130	0.230	10	4.4	Q2
IPI00647217;	SKIV2L2	22.1	4.53E-172	0.231	22	10.5	Q2
IPI00219861;	ACP1	38.6	3.71E-91	0.231	6	6.9	Q2
IPI00021187;	RUVBL1	48.2	2.74E-293	0.231	4	2.0	Q2
IPI00027705	PRIM2	5.9	4.30E-17	0.232	3	17.9	Q2
IPI00010402;	SH3BGRL3	14.6	8.98E-34	0.232	4	45.7	Q2
IPI00921844;	BUB1B	1.9	9.78E-12	0.233	2	2.3	Q2
IPI00887678;	PPIA	52.9	<1.0E-304	0.233	45	10.6	Q2
IPI00217277;	SLC25A10	18.2	1.69E-55	0.234	3	0.2	Q2
IPI00007750;	TUBA4A	15	<1.0E-304	0.234	6	17.5	Q2
IPI00429191	ETF1	30.2	2.51E-92	0.234	7	7.9	Q2
IPI00024157	FKBP3	39.3	7.53E-93	0.235	6	4.5	Q2
IPI00032823;	EXOSC1	40	3.61E-94	0.235	6	10.0	Q2
IPI00216008;	G6PD	41.7	1.60E-144	0.235	15	157.3	Q2
IPI00304692;	RBMX	33.5	2.16E-103	0.235	8	25.1	Q2
IPI00604647;	MAP4K4	7.3	6.40E-31	0.236	9	5.7	Q2
IPI00023504;	RAB3A	11.8	8.62E-63	0.236	3	14.4	Q2
IPI00554788;	KRT18	72.3	<1.0E-304	0.236	65	224.2	Q2
IPI00302605;	SLC30A7	12.5	2.25E-26	0.236	2	7.0	Q2

IPI00294158;	BLVRA	40.5	2.17E-80	0.237	4	2.5	Q2
IPI00384028;	PAPOLA	9.7	5.63E-33	0.238	6	5.9	Q2
IPI00337315;	RBBP6	2.8	2.61E-07	0.238	3	4.4	Q2
IPI00007426;	ARL6IP5	24.5	4.59E-12	0.239	5	6.4	Q2
IPI00011996;	UBE2Z	7.6	1.44E-03	0.239	2	4.5	Q2
IPI00020928;	TFAM	22.4	2.65E-28	0.239	5	25.1	Q2
IPI00010136;	CTBP2	7.9	4.32E-30	0.240	4	25.9	Q2
IPI00384265;	FAM120A	26.5	7.96E-212	0.240	23	7.4	Q2
IPI00006552;	CNOT7	11.9	4.59E-17	0.240	3	6.2	Q2
IPI00289819;	IGF2R	8.8	7.62E-102	0.240	21	45.9	Q2
IPI00156689;	VAT1	26.2	3.04E-169	0.240	7	8.3	Q2
IPI00000690;	AIFM1	17.3	5.09E-29	0.240	6	9.8	Q2
IPI00022793;	HADHB	28.5	6.97E-86	0.241	6	4.9	Q2
IPI00375358;	RFC1	3.4	7.74E-53	0.242	4	8.5	Q2
IPI00744015;	DYNC112	9.2	1.91E-57	0.242	4	7.6	Q2
IPI00927606;	GPX1	73.9	5.74E-175	0.242	12	3.7	Q2
IPI00001632;	KIAA1522	1.7	7.53E-05	0.243	2	7.4	Q2
IPI00009747;	LSS	15	1.01E-60	0.244	9	4.4	Q2
IPI00014376;	RAB31	23.1	4.58E-25	0.245	3	6.3	Q2
IPI00479905;	NDUFB10	51.2	1.30E-45	0.245	6	15.6	Q2
IPI00929344;	PFAS	12.3	4.13E-121	0.245	15	13.5	Q2
IPI00018813;	COPS2	29.1	1.86E-77	0.246	3	7.1	Q2
IPI00872209;	PPP3CA	18.6	1.44E-64	0.246	4	32.8	Q2
IPI00059279;	EXOC4	4.9	1.47E-26	0.247	2	4.8	Q2
IPI00032881	MRPS23	31.1	3.71E-24	0.248	5	8.0	Q2
IPI00220766	GLO1	61.4	7.74E-107	0.248	13	5.4	Q2
IPI00291419	ACAT2	38	2.31E-264	0.250	4	4.8	Q2
IPI00032498;	DCTN5	20.9	3.19E-24	0.251	3	7.4	Q2
IPI00218288;	SEC24D	4.1	4.75E-15	0.251	2	10.0	Q2
IPI00009104;	RUVBL2	43.2	3.26E-274	0.251	9	11.9	Q2
IPI00010896;	CLIC1	79.3	<1.0E-304	0.251	26	5.7	Q2
IPI00002506;	ALG5	16.4	1.83E-14	0.251	4	9.2	Q2
IPI00030255;	PLOD3	6.2	3.40E-17	0.252	4	27.9	Q2

IPI00027443;	DKFZp686F1612	13.6	7.83E-46	0.253	12	8.2	Q2
IPI00178440;	EEF1B2	26.2	1.15E-136	0.254	7	5.5	Q2
IPI00477040;	NUP188	4.5	1.71E-12	0.254	7	8.0	Q2
IPI00007926;	RCL	30.5	1.04E-36	0.255	2	21.6	Q2
IPI00025721;	COPS3	18.7	1.61E-32	0.255	2	2.3	Q2
IPI00300504;	UPF2	6	1.07E-48	0.255	7	4.0	Q2
IPI00438170;	SNX12	34.3	3.37E-37	0.256	7	7.6	Q2
IPI00034277;	ATP13A1	3.9	5.20E-15	0.256	4	20.7	Q2
IPI00216293;	TST	12.8	2.05E-22	0.257	2	8.8	Q2
IPI00554648;	KRT8	59.6	<1.0E-304	0.257	37	159.5	Q2
IPI00061525;	GNPNAT1	45.7	1.98E-166	0.259	9	14.3	Q2
IPI00017376;	SEC23B	13.8	6.08E-105	0.259	5	8.2	Q2
IPI00300078;	PWP2	5.4	2.08E-44	0.260	7	6.1	Q2
IPI00411680;	PCMT1	52.6	4.68E-220	0.261	15	24.0	Q2
IPI00477468	CTR9	5.3	1.24E-25	0.262	7	9.2	Q2
IPI00926903;	CHCHD3	33.6	2.22E-87	0.263	6	30.6	Q2
IPI00012535;	DNAJA1	25.9	2.37E-49	0.264	3	10.4	Q2
IPI00414554	ARPC5L	34.6	2.85E-45	0.264	5	1.1	Q2
IPI00333215;	TCEA1	28.6	1.61E-36	0.264	2	15.1	Q2
IPI00008167;	ATP1B3	30.8	1.01E-87	0.265	6	102.4	Q2
IPI00856045;	AHNAK2	48.5	<1.0E-304	0.266	272	72.0	Q2
IPI00412157;	PPME1	6.6	6.29E-15	0.266	3	4.7	Q2
IPI00014624	AP3S1	18.1	1.22E-69	0.267	6	2.0	Q2
IPI00015361;	PFDN5	59.1	1.44E-144	0.267	12	7.8	Q2
IPI00885108;	PATL1	6.1	3.06E-19	0.268	3	10.0	Q2
IPI00304925;	HSPA1A	44.1	<1.0E-304	0.268	11	4.4	Q2
IPI00903105;	CIAPIN1	22.1	1.15E-47	0.269	2	6.5	Q2
IPI00021700	PCNA	64.4	6.15E-261	0.270	19	8.8	Q2
IPI00003923;	UMPS	26.7	5.77E-112	0.271	3	6.9	Q2
IPI00014589;	CLTB	31.4	7.32E-16	0.271	7	10.6	Q2
IPI00002188;	ARFGEF1	1.6	1.80E-60	0.271	3	5.2	Q2
IPI00215919;	ARF5	30	3.83E-127	0.272	5	3.6	Q2
IPI00215998;	CD63	12.6	2.72E-08	0.272	2	5.2	Q2

IPI00003438	DNAJC8	20.2	1.60E-10	0.273	3	2.4	Q2
IPI00219678	EIF2S1	58.7	1.19E-190	0.273	8	3.8	Q2
IPI00306290	XPOT	11	5.28E-114	0.273	11	9.4	Q2
IPI00830108	DNAJC2	3.1	9.11E-13	0.273	2	12.8	Q2
IPI00008418	DIABLO	16.5	4.62E-27	0.274	4	6.2	Q2
IPI00015178	ARFRP1	13.9	2.10E-15	0.274	2	4.7	Q2
IPI00550523	ATL3	22.7	7.30E-173	0.274	5	6.2	Q2
IPI00299468	SCD	10.3	2.43E-26	0.274	4	6.1	Q2
IPI00015029	PTGES3	36.9	2.13E-94	0.274	8	6.5	Q2
IPI00414676	HSP90AB1	63.8	<1.0E-304	0.275	121	22.8	Q2
IPI00030363	ACAT1	29	2.62E-182	0.275	5	4.8	Q2
IPI00384051	PSME2	54.2	5.24E-104	0.275	12	4.7	Q2
IPI00789740	GEMIN4	5.4	2.80E-09	0.276	5	4.7	Q2
IPI00333067	HERC4	5.7	5.10E-25	0.276	5	10.9	Q2
IPI00107745	CROP	11.6	3.16E-66	0.277	2	0.9	Q2
IPI00032849	NOP16	28.7	2.08E-21	0.277	4	1.9	Q2
IPI00796333	ALDOA	66.5	<1.0E-304	0.278	26	97.6	Q2
IPI00020446	CD82	9	4.97E-13	0.278	2	111.0	Q2
IPI00046828	CCDC58	27.8	1.67E-23	0.279	2	0.5	Q2
IPI00015911	DLD	24.2	1.43E-285	0.280	4	8.0	Q2
IPI00418262	ALDOC	14.4	1.02E-276	0.281	4	3.8	Q2
IPI00414410	MRPL22	25.2	1.93E-33	0.281	4	10.4	Q2
IPI00009148	NUDT3	18	1.69E-07	0.282	2	3.7	Q2
IPI00102313	SRA1	17.7	1.62E-11	0.282	4	28.6	Q2
IPI00470610	PYCR2	34.1	1.05E-73	0.282	7	11.3	Q2
IPI00157176	MEA1	16.2	1.97E-31	0.282	2	12.0	Q2
IPI00024719	HAT1	11.2	1.08E-111	0.282	3	5.5	Q2
IPI00177437	CRNKL1	3.4	6.57E-07	0.282	2	11.3	Q2
IPI00154975	DNAJC9	37.3	3.02E-52	0.282	8	22.5	Q2
IPI00006482	ATP1A1	34.3	<1.0E-304	0.283	47	12.6	Q2
IPI00220158	ADD1	6	9.67E-62	0.284	3	10.0	Q2
IPI00019269	WDR61	18.7	8.51E-37	0.284	4	2.7	Q2
IPI00873758	PIK3C3	6.8	6.83E-12	0.284	5	8.8	Q2

IPI00219306;	MAGOH	5.5	8.77E-25	0.286	2	0.2	Q2
IPI00644297;	SKI2W	10.4	2.15E-39	0.287	11	14.5	Q2
IPI00027107	TUFM	59.8	8.92E-287	0.287	15	10.1	Q2
IPI00025176	SMNDC1	9.2	1.25E-08	0.288	2	10.4	Q2
IPI00029159;	MRE11A	6.8	4.97E-28	0.289	4	28.5	Q2
IPI00218493;	HPRT1	49.5	1.58E-129	0.289	13	6.2	Q2
IPI00298961;	XPO1	37	<1.0E-304	0.290	34	7.1	Q2
IPI00386271;	SLC25A12	7.1	5.34E-105	0.290	3	18.0	Q2
IPI00815770;	SNX3	46.3	1.82E-27	0.291	7	3.3	Q2
IPI00329563;	UBE2L6	19.6	3.65E-06	0.292	2	8.2	Q2
IPI00549205;	RAD50	18.8	2.95E-101	0.292	24	11.9	Q2
IPI00413451;	DKFZp686I04222	37.4	2.37E-109	0.293	4	10.5	Q2
IPI00847322;	SOD2	27	3.27E-17	0.293	3	140.1	Q2
IPI00293350;	TSNAX	33.4	2.93E-69	0.294	5	5.8	Q2
IPI00219385;	NDUFB6	19.5	5.97E-24	0.295	2	1.2	Q2
IPI00016346;	PROSC	32.7	1.31E-84	0.297	5	10.8	Q2
IPI00301364;	SKP1	44.2	4.25E-65	0.298	8	9.3	Q2
IPI00377261;	FUBP3	12.8	1.88E-34	0.298	6	3.6	Q2
IPI00013949;	SGTA	32.9	5.65E-90	0.299	7	35.0	Q2
IPI00220301;	PRDX6	63.8	3.41E-297	0.301	33	10.5	Q2
IPI00004497;	BCR	4.2	5.74E-46	0.301	4	9.4	Q2
IPI00012575	PIR	4.1	7.39E-14	0.303	2	16.9	Q2
IPI00220271;	AKR1A1	58.5	6.07E-241	0.303	6	2.8	Q2
IPI00376317;	EDC4	8	9.71E-74	0.304	10	12.9	Q2
IPI00296337;	PRKDC	34.3	<1.0E-304	0.304	180	10.1	Q2
IPI00241860	MIPEP	2.9	6.21E-04	0.304	2	9.0	Q2
IPI00645078;	UBA1	43.3	<1.0E-304	0.304	65	60.0	Q2
IPI00026625;	NUP155	18.5	1.32E-273	0.305	26	5.4	Q2
IPI00646304;	PPIB	58.8	7.04E-175	0.306	26	58.9	Q2
IPI00072377;	SET	32.8	1.25E-114	0.306	6	4.5	Q2
IPI00218922;	SEC63	9.7	1.46E-23	0.307	6	19.2	Q2
IPI00925656;	MRPS17	25.8	2.42E-25	0.308	3	5.5	Q2
IPI00008569;	YKT6	53.5	1.05E-111	0.308	9	6.2	Q2

IPI00746777;	ADH5	35.6	4.96E-212	0.309	6	23.0	Q2
IPI00008164	PREP	28.5	<1.0E-304	0.310	9	9.0	Q2
IPI00064212	ZNF828	2.1	2.58E-03	0.311	2	14.4	Q2
IPI00844214;	CTNBL1	9.9	1.93E-14	0.312	6	12.8	Q2
IPI00789551;	MATR3	28.3	6.40E-196	0.312	37	10.5	Q2
IPI00815732	DKFZp781N1372	45.1	3.53E-150	0.314	4	7.0	Q2
IPI00217261;	TEX2	1.6	2.12E-06	0.314	2	3.9	Q2
IPI00456969;	DYNC1H1	45.2	<1.0E-304	0.314	374	13.1	Q2
IPI00012442;	G3BP1	39.7	3.23E-263	0.315	11	13.6	Q2
IPI00010157;	MAT2A	32.9	7.63E-205	0.315	2	8.1	Q2
IPI00398009;	IPO4	10.4	3.85E-70	0.315	11	13.2	Q2
IPI00301579	NPC2	36.8	7.98E-78	0.316	11	17.8	Q2
IPI00024364;	TNPO1	22.4	9.56E-177	0.316	16	10.4	Q2
IPI00141318;	CKAP4	44.2	2.19E-262	0.316	16	14.8	Q2
IPI00376344;	MYO1B	39.3	<1.0E-304	0.316	54	6.9	Q2
IPI00795922;	MRPS28	20.8	1.04E-09	0.317	3	4.1	Q2
IPI00411706;	ESD	41.8	1.06E-147	0.317	9	25.0	Q2
IPI00031564;	GGCT	43.1	3.05E-79	0.318	7	11.4	Q2
IPI00550308;	RBM12	8.9	2.06E-49	0.318	6	5.7	Q2
IPI00872668;	NIT2	36.7	2.68E-154	0.320	11	5.1	Q2
IPI00304409	CARHSP1	25.9	3.92E-48	0.321	3	5.9	Q2
IPI00042580;	APOO	14.1	2.45E-16	0.323	3	12.5	Q2
IPI00027014;	DCTN3	36	1.15E-17	0.324	8	84.0	Q2
IPI00010105;	EIF6	60	2.18E-295	0.324	16	3.5	Q2
IPI00413961;	DKFZp666O0110	5.4	4.07E-15	0.325	7	10.5	Q2
IPI00021570;	EDF1	35.1	1.81E-35	0.326	3	5.5	Q2
IPI00014361;	TSTA3	25.2	8.48E-30	0.326	2	5.5	Q2
IPI00644127;	IARS	39	<1.0E-304	0.327	57	7.9	Q2
IPI00006606	MRPS26	28.3	2.59E-21	0.328	2	8.1	Q2
IPI00003925;	PDHB	42.9	1.50E-242	0.328	7	14.5	Q2
IPI00026689;	CDC2	58.7	4.14E-152	0.328	17	6.8	Q2
IPI00025277	PDCD6	44	5.53E-47	0.329	8	3.4	Q2
IPI00001639;	KPNB1	39.2	<1.0E-304	0.330	55	16.0	Q2

IPI00168262;	GLT25D1	8.4	9.21E-09	0.331	7	17.6	Q2
IPI00646323;	C10orf76	3.8	6.36E-15	0.331	2	44.9	Q2
IPI00217442;	hCG_2045902	3.3	5.40E-171	0.331	6	29.5	Q2
IPI00384857;	HN1	31.5	1.49E-87	0.333	7	12.7	Q2
IPI00015808	GNL2	10.5	7.56E-15	0.333	6	11.2	Q2
IPI00845348;	DKFZp686N09117	6.2	6.07E-06	0.334	2	17.2	Q2
IPI00552897;	MDC1	1.8	8.77E-03	0.334	2	0.0	Q2
IPI00871176;	NIPSNAP3A	19.1	2.46E-44	0.335	2	8.4	Q2
IPI00400922;	PDCD11	15.5	4.71E-157	0.335	27	12.6	Q2
IPI00014454;	RIN1	4.3	1.23E-19	0.337	2	5.7	Q2
IPI00302647;	CC2D1A	6.2	4.42E-36	0.338	6	11.5	Q2
IPI00413611;	TOP1	25.2	1.32E-82	0.338	21	7.9	Q2
IPI00294834;	ASPH	13.3	5.33E-243	0.338	4	22.5	Q2
IPI00305833	SMU1	7	6.23E-13	0.338	2	0.7	Q2
IPI00007321;	LYPLA1	17.5	3.42E-49	0.339	5	4.5	Q2
IPI00002255;	LRBA	5.9	2.06E-117	0.340	18	14.2	Q2
IPI00791325;	KIAA0020	9.2	2.97E-25	0.340	5	4.9	Q2
IPI00140420;	SND1	51.1	<1.0E-304	0.341	46	8.1	Q2
IPI00000874;	PRDX1	79.9	7.07E-180	0.341	29	11.2	Q2
IPI00027898;	C21orf70	13.5	3.81E-36	0.341	2	27.0	Q2
IPI00019912;	HSD17B4	20.1	1.15E-109	0.342	15	23.5	Q2
IPI00219677;	DERA	22.3	7.44E-24	0.342	4	15.6	Q2
IPI00149849;	COG4	1.9	1.68E-02	0.343	2	50.5	Q2
IPI00008982;	ALDH18A1	18.1	3.27E-82	0.344	9	10.0	Q2
IPI00017469;	SPR	33.7	4.26E-152	0.344	6	9.6	Q2
IPI00000041;	RHOB	9.2	3.42E-114	0.345	2	87.5	Q2
IPI00877662;	RAB13	12.5	2.79E-56	0.346	4	5.4	Q2
IPI00030847;	TM9SF3	4.9	2.84E-09	0.347	3	9.3	Q2
IPI00106567	WDR33	1.9	2.47E-04	0.347	2	14.2	Q2
IPI00007346;	PPIH	34.5	4.34E-31	0.347	6	3.4	Q2
IPI00012585	HEXB	29.5	1.27E-75	0.347	10	24.9	Q2
IPI00328170;	MOGS	17.4	1.36E-81	0.347	12	24.8	Q2
IPI00291930;	CLINT1	5.4	6.40E-22	0.349	3	2.5	Q2

IPI00306301;	PDHA1	21.3	1.05E-32	0.349	6	13.1	Q2
IPI00257508;	DPYSL2	26.6	6.22E-173	0.350	4	12.9	Q2
IPI00793375;	XPNPEP1	12	4.96E-64	0.351	6	7.1	Q2
IPI00790530;	NUP85	2.3	5.91E-19	0.353	2	12.1	Q2
IPI00017381;	RFC4	15.2	5.39E-21	0.354	2	13.9	Q2
IPI00479722;	PSME1	49	4.98E-264	0.358	13	10.2	Q2
IPI00289499;	ATIC	52	<1.0E-304	0.358	23	13.9	Q2
IPI00743284;	MTR	7	1.34E-48	0.359	8	8.5	Q2
IPI00030782;	STAT6	6.3	2.17E-39	0.359	6	5.9	Q2
IPI00010200	YTHDC2	8.1	2.95E-50	0.360	10	6.8	Q2
IPI00102815;	NOC3L	6.9	1.14E-33	0.361	5	8.8	Q2
IPI00604664;	NDUFS1	8.9	2.25E-142	0.361	3	10.4	Q2
IPI00031397;	ACSL3	20.4	1.76E-214	0.362	9	68.5	Q2
IPI00549389;	METTL11A	22.8	4.29E-48	0.363	5	5.9	Q2
IPI00221222;	SUB1	42.5	3.56E-37	0.363	7	9.5	Q2
IPI00329791	DDX46	17.6	2.03E-110	0.363	19	7.6	Q2
IPI00009960;	IMMT	27.6	6.64E-247	0.363	19	13.7	Q2
IPI00640525;	PPGB	9	3.48E-53	0.364	3	3.3	Q2
IPI00003004;	SLC25A22	11.5	9.56E-13	0.364	3	10.2	Q2
IPI00419869;	COX15	5.6	1.24E-21	0.365	2	11.2	Q2
IPI00013146;	MRPS22	31.7	5.64E-59	0.367	3	6.1	Q2
IPI00016868	TELO2	4.4	4.32E-06	0.367	3	91.7	Q2
IPI00304742	STK10	9	7.29E-39	0.368	9	6.4	Q2
IPI00903255;	OSTF1	43	4.87E-120	0.371	8	12.8	Q2
IPI00004860;	RARS	47	<1.0E-304	0.372	23	23.6	Q2
IPI00383670;	TPD52L1	11.8	4.96E-41	0.373	2	22.3	Q2
IPI00646377;	EIF4G3	1.2	3.07E-14	0.373	2	4.8	Q2
IPI00016613;	CSNK2A1	34.3	2.03E-95	0.375	4	4.1	Q2
IPI00401264	ERP44	30	1.25E-62	0.376	9	12.4	Q2
IPI00216308;	VDAC1	71.7	<1.0E-304	0.380	20	9.3	Q2
IPI00219077;	LTA4H	44.7	<1.0E-304	0.382	16	8.1	Q2
IPI00513761;	RP3	28.2	1.06E-108	0.382	5	7.1	Q2
IPI00549664;	TEX10	8.8	7.20E-48	0.384	8	4.3	Q2

IPI00292753;	GAPVD1	13.4	5.65E-181	0.384	18	24.5	Q2
IPI00291510;	IMPDH2	35.2	1.77E-257	0.385	13	7.9	Q2
IPI00384456;	MSH6	22.9	5.51E-293	0.385	30	7.5	Q2
IPI00016862;	GSR	8.4	5.49E-12	0.387	2	5.3	Q2
IPI00747533;	PGD	40.7	<1.0E-304	0.390	15	5.0	Q2
IPI00556645	FOXK1	2.9	8.25E-21	0.391	3	9.9	Q2
IPI00396630;	PRKACA	14	7.72E-54	0.391	2	36.3	Q2
IPI00025849;	ANP32A	20.9	6.23E-111	0.392	4	11.7	Q2
IPI00791117;	TK1	19.5	3.73E-39	0.392	4	2.1	Q2
IPI00026154;	PRKCSH	33.3	8.63E-215	0.392	11	19.3	Q2
IPI00013847;	UQCRC1	17.5	1.50E-61	0.392	5	5.1	Q2
IPI00304171;	H2AFY	45.2	2.50E-172	0.393	5	12.2	Q2
IPI00003949;	UBE2N	57.9	1.49E-111	0.394	9	3.1	Q2
IPI00026813;	FNTA	16.4	5.25E-91	0.394	3	1.7	Q2
IPI00010400;	PLCB3	14.7	9.36E-123	0.395	18	7.5	Q2
IPI00472794;	FCHO2	2.8	6.07E-11	0.395	2	0.8	Q2
IPI00873577;	KIF23	2	1.84E-15	0.395	3	18.7	Q2
IPI00024971;	OSBP	16.7	4.99E-69	0.395	12	7.5	Q2
IPI00328243;	PLD3	8.4	5.66E-24	0.395	2	16.2	Q2
IPI00301263;	CAD	23.8	<1.0E-304	0.396	48	13.8	Q2
IPI00550906	CSTF2T	2.8	7.47E-14	0.398	2	2.8	Q2
IPI00465256;	AK3	21.1	3.38E-74	0.402	4	8.3	Q2
IPI00880094;	RGNEF	1.7	1.34E-43	0.402	2	18.9	Q2
IPI00328987	BYSL	3.9	1.38E-04	0.404	2	7.8	Q2
IPI00744637;	RUFY1	2.5	2.64E-02	0.405	3	38.8	Q2
IPI00013871	RRM1	23	1.50E-114	0.407	14	7.1	Q2
IPI00873472;	SEC24A	7	3.38E-43	0.409	7	8.6	Q2
IPI00021370;	UBE2K	50.5	6.38E-91	0.410	11	18.6	Q2
IPI00013466;	ASNA1	19.8	1.99E-68	0.411	3	9.6	Q2
IPI00926648;	APEH	13.4	3.97E-69	0.412	5	18.9	Q2
IPI00397571;	NSFL1C	29	4.25E-77	0.412	7	6.8	Q2
IPI00178431;	RECQL	19.3	6.23E-50	0.413	9	4.4	Q2
IPI00478229;	RP11	7.3	8.14E-11	0.414	2	1.9	Q2

IPI00240812;	PDS5B	1.7	4.78E-09	0.414	3	4.9	Q2
IPI00024670;	REEP5	20.6	3.82E-36	0.416	8	6.9	Q2
IPI00011592;	DYNC1LI2	20.3	5.20E-174	0.416	3	7.9	Q2
IPI00290192	RNASEH2A	7.4	3.04E-02	0.417	2	4.3	Q2
IPI00018768;	TSN	29.8	3.72E-76	0.419	5	5.0	Q2
IPI00855767;	RAP1GDS1	15.1	6.29E-155	0.420	5	20.0	Q2
IPI00007404;	ATG7	3.3	1.10E-18	0.422	2	7.1	Q2
IPI00019427;	EXOC1	2	3.74E-70	0.423	2	15.6	Q2
IPI00015954;	SAR1A	43.9	1.48E-56	0.426	9	22.0	Q2
IPI00011454;	GANAB	40.5	<1.0E-304	0.426	47	16.2	Q2
IPI00306353	DUSP23	38.7	4.33E-40	0.427	3	3.5	Q2
IPI00002149;	SAR1B	23.2	5.38E-38	0.428	6	26.9	Q2
IPI00011416;	ECH1	24.7	1.92E-118	0.433	10	26.2	Q2
IPI00397947;	UBE2V1	22.7	1.12E-34	0.433	9	8.4	Q2
IPI00152900	LZIC	19	6.47E-12	0.434	3	1.0	Q2
IPI00026215	FEN1	19.2	2.00E-13	0.435	5	13.0	Q2
IPI00012007	AHCY	49.5	9.08E-206	0.435	19	65.1	Q2
IPI00550746;	NUDC	47.4	3.79E-127	0.435	9	7.1	Q2
IPI00477494;	DRAP1	10.4	1.21E-12	0.436	2	11.4	Q2
IPI00797038;	PCK2	10.5	2.13E-44	0.436	7	14.8	Q2
IPI00015195;	CSTF3	11	3.04E-64	0.437	4	12.9	Q2
IPI00382985;	RNASEH2C	23.8	2.13E-14	0.438	2	0.4	Q2
IPI00007752;	TUBB2C	19.3	<1.0E-304	0.438	12	41.0	Q2
IPI00219034	NDUFA8	51.2	6.38E-63	0.439	6	9.4	Q2
IPI00218693;	APRT	62.8	1.04E-55	0.439	10	9.4	Q2
IPI00215911;	APEX1	44.7	5.49E-178	0.441	6	5.1	Q2
IPI00646762;	NUDT5	42.7	4.45E-103	0.442	9	7.5	Q2
IPI00304435;	NIPSNAP1	18.7	1.18E-13	0.442	5	8.2	Q2
IPI00910781;	GPI	37.3	6.55E-265	0.442	11	10.3	Q2
IPI00742743;	TP53BP1	2	8.87E-29	0.443	3	2.3	Q2
IPI00303318;	FAM49B	29	1.44E-152	0.446	11	6.9	Q2
IPI00872359;	DCTN1	21.9	2.21E-195	0.449	26	16.5	Q2
IPI00513827;	DKFZp686M24262	11.9	7.59E-08	0.450	3	5.9	Q2

IPI00018188;	NECAP2	38	5.22E-95	0.451	3	2.5	Q2
IPI00465028;	TPI1	71.7	<1.0E-304	0.451	37	24.8	Q2
IPI00169383;	PGK1	76.3	<1.0E-304	0.453	22	49.9	Q2
IPI00297982;	EIF2S3	42.2	3.18E-168	0.453	4	5.8	Q2
IPI00026665;	QARS	43.8	5.04E-217	0.454	23	9.5	Q2
IPI00215901;	AK2	63.2	4.62E-137	0.454	15	12.0	Q2
IPI00334713;	HNRNPAB	38.6	1.36E-124	0.455	8	12.6	Q2
IPI00021728;	EIF2S2	40.5	2.04E-78	0.456	11	6.4	Q2
IPI00219301	MARCKS	23.5	1.08E-59	0.457	5	17.9	Q2
IPI00001466;	EML4	4.2	4.67E-07	0.457	5	11.4	Q2
IPI00328318;	AGL	7.4	4.02E-29	0.463	11	5.4	Q2
IPI00005634	TTC37	13.2	2.00E-164	0.466	20	26.7	Q2
IPI00219682;	STOM	49.7	1.50E-119	0.467	11	14.8	Q2
IPI00026964;	UQCRFS1	24.5	5.58E-30	0.470	5	4.2	Q2
IPI00027032;	LYPLA2	29.4	5.46E-48	0.472	7	5.3	Q2
IPI00290952;	RRP1B	9.8	3.74E-14	0.474	7	9.5	Q2
IPI00029444;	C12orf10	11.7	3.17E-43	0.479	2	1.1	Q2
IPI00024913;	C21orf33	39.9	3.30E-27	0.480	5	19.4	Q2
IPI00394788	AARS2	1.9	9.35E-06	0.482	2	0.5	Q2
IPI00026942;	ERLIN2	21.5	1.85E-82	0.482	4	6.9	Q2
IPI00024915;	PRDX5	55.6	3.38E-248	0.482	13	3.8	Q2
IPI00017303;	MSH2	18.1	8.84E-76	0.483	15	10.1	Q2
IPI00293735	IKBKAP	21.8	3.55E-254	0.483	26	15.1	Q2
IPI00552546;	C10orf119	11.2	6.08E-29	0.484	5	9.1	Q2
IPI00292975	RBM27	3	6.31E-03	0.484	3	24.6	Q2
IPI00022774;	VCP	57.2	<1.0E-304	0.486	74	16.8	Q2
IPI00290799;	C18orf19	8.8	8.30E-27	0.487	2	1.0	Q2
IPI00027192;	PLOD1	8.5	8.91E-83	0.488	6	8.2	Q2
IPI00181728	BXDC2	21.2	2.10E-88	0.488	5	8.5	Q2
IPI00024097;	TES	30.4	1.27E-88	0.490	4	15.1	Q2
IPI00216654;	NOLC1	11.1	2.64E-28	0.491	10	12.8	Q2
IPI00298292;	PTK7	4.8	1.38E-22	0.492	5	7.0	Q2
IPI00916111;	MDH1	44.9	3.22E-234	0.493	14	11.9	Q2

IPI00552277;	UBL4A	28.3	1.44E-16	0.494	4	10.0	Q2
IPI00001699;	PYCARD	54.4	4.45E-108	0.494	8	14.4	Q2
IPI00412792;	BTF3L4	24.1	3.39E-21	0.494	3	45.2	Q2
IPI00328905	IQGAP3	1.5	1.82E-17	0.495	2	2.6	Q2
IPI00008599;	EBP	16.5	7.53E-21	0.495	5	15.6	Q2
IPI00031681;	CDK2	24.2	2.02E-42	0.495	4	9.4	Q2
IPI00293078	DDX27	10.1	5.54E-35	0.496	7	20.6	Q2
IPI00018274;	EGFR	18.6	6.00E-136	0.497	22	10.3	Q2
IPI00305383	UQCRC2	32.9	2.36E-162	0.500	7	28.5	Q3
IPI00220503;	DCTN2	44.8	<1.0E-304	0.503	8	20.2	Q3
IPI00024802	BTAF1	1.6	9.70E-22	0.504	3	9.8	Q3
IPI00217413	DHX29	12.6	2.60E-137	0.504	16	13.3	Q3
IPI00000001;	STAU1	12.8	2.87E-59	0.504	2	4.5	Q3
IPI00219825;	PSAP	8.9	1.01E-39	0.505	7	96.8	Q3
IPI00009923;	P4HA1	10.3	1.77E-31	0.505	4	9.6	Q3
IPI00017289;	SNRNP27	14.2	7.30E-05	0.505	2	52.9	Q3
IPI00016702;	RABGAP1	15.9	2.00E-30	0.506	18	21.2	Q3
IPI00298547	PARK7	75.7	1.20E-210	0.507	19	5.9	Q3
IPI00005490	GOLPH3	23.2	1.38E-137	0.509	5	5.2	Q3
IPI00790064;	NDUFB9	13.6	1.05E-22	0.512	2	9.2	Q3
IPI00021048;	MYOF	45.4	<1.0E-304	0.513	94	8.1	Q3
IPI00010346;	NLN	9.7	9.76E-29	0.513	5	6.0	Q3
IPI00646556;	NDUFV2	13.5	4.54E-45	0.517	4	10.7	Q3
IPI00473014;	DSTN	50.3	1.24E-90	0.520	15	14.4	Q3
IPI00815713;	TCOF1	9.5	2.49E-106	0.521	23	30.8	Q3
IPI00301609	NEK9	3.8	6.20E-07	0.522	3	2.9	Q3
IPI00383849;	PLCG1	7.4	8.28E-64	0.522	10	9.6	Q3
IPI00032134;	SERPINB8	20.1	1.98E-61	0.523	3	8.3	Q3
IPI00021954;	GBF1	11.9	1.21E-190	0.524	20	14.1	Q3
IPI00025341;	BDH1	8.7	3.31E-09	0.525	3	7.9	Q3
IPI00185919;	LARP1	21.7	2.55E-102	0.527	23	22.6	Q3
IPI00010270;	RAC2	22.9	1.84E-136	0.527	5	5.9	Q3
IPI00291695;	GPX8	24.4	2.80E-10	0.529	4	41.8	Q3

IPI00016801;	GLUD1	46.2	2.31E-274	0.533	6	8.1	Q3
IPI00008986;	SLC7A5	12.6	6.16E-123	0.533	3	9.8	Q3
IPI00032206;	PDLIM4	30.6	2.51E-27	0.535	2	2.4	Q3
IPI00022827;	SLK	16.8	4.79E-173	0.535	23	11.6	Q3
IPI00884192;	GPX4	24.4	6.25E-34	0.537	4	18.3	Q3
IPI00797612;	WDR6	2	2.71E-04	0.539	2	3.0	Q3
IPI00006211;	VAPB	30.9	2.35E-72	0.540	8	25.8	Q3
IPI00329605	MSH3	2.9	1.97E-08	0.540	3	4.0	Q3
IPI00550894;	GNPDA2	10.5	6.04E-88	0.541	2	4.8	Q3
IPI00027341;	CAPG	43.4	8.68E-170	0.542	9	24.9	Q3
IPI00026969;	SEC23IP	15	3.63E-76	0.542	13	5.6	Q3
IPI00852685;	DIAPH1	29.5	<1.0E-304	0.542	52	8.2	Q3
IPI00166749;	PMPCA	15.4	2.49E-24	0.543	4	11.0	Q3
IPI00550682;	GRHPR	34.6	6.37E-163	0.544	4	5.0	Q3
IPI00871728;	FAM115A	3.7	1.87E-16	0.547	3	16.6	Q3
IPI00297261;	PTPN1	35.9	4.86E-129	0.550	9	15.6	Q3
IPI00183500;	NCBP2	16.7	1.26E-05	0.550	2	2.7	Q3
IPI00641582;	BAG3	17.2	2.80E-72	0.550	6	15.1	Q3
IPI00029468;	ACTR1A	51.1	<1.0E-304	0.551	5	3.9	Q3
IPI00399265;	TPD52L2	52.8	<1.0E-304	0.553	16	9.3	Q3
IPI00465179;	PFKM	12.6	2.17E-70	0.553	5	3.9	Q3
IPI00295400;	WARS	32.5	3.21E-281	0.554	3	8.7	Q3
IPI00173946;	TANC1	1.8	4.59E-10	0.554	3	6.0	Q3
IPI00657953;	TRIO	1.9	1.00E-36	0.555	5	30.2	Q3
IPI00154451;	MMS19	19.6	1.65E-174	0.555	15	7.7	Q3
IPI00025512;	HSPB1	78	2.43E-237	0.557	41	109.8	Q3
IPI00297113;	TRIM32	3.8	2.81E-23	0.562	2	0.9	Q3
IPI00887771;	DHFR	36.3	2.27E-65	0.563	8	17.5	Q3
IPI00100151;	XRN2	9.8	2.48E-61	0.563	8	8.5	Q3
IPI00303568;	PTGES2	21	1.11E-87	0.564	5	4.3	Q3
IPI00383163	THYN1	8	6.40E-08	0.565	3	11.4	Q3
IPI00005904	DDX20	8.6	6.32E-57	0.566	5	7.2	Q3
IPI00009946;	TOMM34	31.1	1.80E-86	0.566	3	1.0	Q3

IPI00058192;	POFUT1	10.8	1.44E-23	0.569	2	3.5	Q3
IPI00219217;	LDHB	54.8	<1.0E-304	0.569	67	26.3	Q3
IPI00002324;	MAT2B	19.5	3.09E-51	0.569	2	3.0	Q3
IPI00554777;	ASNS	7.7	2.31E-173	0.569	3	7.1	Q3
IPI00031420	UGDH	21.7	4.05E-81	0.570	5	9.6	Q3
IPI00641384;	SEC16A	2.7	1.85E-06	0.573	4	20.6	Q3
IPI00007146	GIN52	13.5	7.05E-06	0.573	2	45.4	Q3
IPI00006987;	DDX24	4.5	2.71E-09	0.574	4	15.8	Q3
IPI00097495;	TBC1D2	8.3	9.28E-58	0.574	7	11.3	Q3
IPI00022305;	BZW2	15.5	4.13E-80	0.577	2	4.0	Q3
IPI00096066;	SUCLG2	15.7	9.64E-74	0.579	5	5.6	Q3
IPI00002966;	HSPA4	55.8	<1.0E-304	0.579	54	7.7	Q3
IPI00554481;	SLC3A2	39.5	<1.0E-304	0.581	50	11.9	Q3
IPI00305166;	SDHA	20.8	4.03E-122	0.584	10	4.6	Q3
IPI00103994;	LARS	42	<1.0E-304	0.584	54	97.0	Q3
IPI00871808;	DDX60	8.9	7.36E-57	0.590	15	40.7	Q3
IPI00294911	SDHB	33.2	7.05E-47	0.590	10	14.7	Q3
IPI00646500;	RPA2	5.6	1.24E-13	0.592	2	8.3	Q3
IPI00025974;	CHMP4B	32.6	9.90E-54	0.594	3	7.1	Q3
IPI00456262;	PACS1	3.8	5.44E-28	0.598	3	10.9	Q3
IPI00554436;	SFRS14	5.5	4.22E-52	0.602	5	20.4	Q3
IPI00022744;	CSE1L	39.2	<1.0E-304	0.602	56	42.8	Q3
IPI00795107;	TATDN1	20.1	4.52E-47	0.603	5	13.3	Q3
IPI00884105;	LAMP1	12.2	2.43E-59	0.603	9	53.8	Q3
IPI00171127;	UBAP2	8.5	3.79E-123	0.604	8	7.0	Q3
IPI00396387;	GNL1	6.6	5.30E-22	0.605	3	3.7	Q3
IPI00002134;	PSMD5	32.9	2.52E-185	0.605	8	5.7	Q3
IPI00293533	NUP62	2.7	3.59E-20	0.607	3	37.1	Q3
IPI00031131;	APMAP	16.8	7.87E-32	0.607	2	9.0	Q3
IPI00760715;	CAST	48.1	<1.0E-304	0.611	40	75.9	Q3
IPI00303882;	M6PRBP1	46.3	<1.0E-304	0.615	6	5.8	Q3
IPI00004436;	LSM1	21.8	4.80E-27	0.617	3	23.9	Q3
IPI00216318;	YWHAB	34.1	2.88E-209	0.618	6	4.3	Q3

IPI00790503;	MYH10	26.2	<1.0E-304	0.621	47	15.1	Q3
IPI00794900	MTHFD1	39.6	<1.0E-304	0.622	49	32.8	Q3
IPI00024919;	PRDX3	30.9	4.07E-89	0.623	8	3.4	Q3
IPI00657692;	COL4A3BP	5.9	1.07E-35	0.624	3	9.5	Q3
IPI00003505;	TRIP13	17.4	3.76E-68	0.629	6	6.5	Q3
IPI00002203;	BCCIP	21.7	1.85E-92	0.630	3	3.1	Q3
IPI00853400;	FKBP15	8.5	7.98E-24	0.632	7	21.2	Q3
IPI00003031;	ISOC2	23.1	7.93E-55	0.632	3	4.0	Q3
IPI00020127	RPA1	15.7	6.15E-145	0.634	8	66.3	Q3
IPI00009368	SFXN1	50	1.33E-106	0.634	14	12.1	Q3
IPI00879716;	NAPRT1	8.5	1.15E-48	0.636	2	2.7	Q3
IPI00003482;	DECR1	37.3	3.12E-97	0.636	9	9.4	Q3
IPI00007423;	ANP32B	34.7	1.35E-147	0.638	15	13.9	Q3
IPI00619921;	DIDO1	0.6	8.40E-04	0.639	2	2.0	Q3
IPI00014213;	LARS2	3.7	1.01E-02	0.640	5	51.5	Q3
IPI00217362;	TPRKB	8.9	7.28E-03	0.641	2	4.4	Q3
IPI00165949;	ERAP1	7	2.94E-58	0.641	6	9.8	Q3
IPI00019380;	NCBP1	10.6	3.07E-27	0.646	9	50.4	Q3
IPI00479997;	STMN1	63.1	1.33E-53	0.648	13	31.8	Q3
IPI00014808	PAFAH1B3	14.7	9.47E-07	0.650	3	90.3	Q3
IPI00418316;	ZMYND8	2.1	4.67E-02	0.653	3	20.8	Q3
IPI00306369	NSUN2	30.9	7.18E-209	0.656	20	7.8	Q3
IPI00171412;	SUMF2	22.5	3.00E-41	0.659	3	14.7	Q3
IPI00009111	TPBG	11.9	9.80E-73	0.659	3	5.8	Q3
IPI00291643	SPRYD4	20.8	1.85E-09	0.660	2	4.5	Q3
IPI00216260;	TSMF	34.4	2.00E-94	0.661	5	5.5	Q3
IPI00063827;	ABHD14B	44.3	3.06E-76	0.664	9	31.1	Q3
IPI00003802;	MAN2A1	16.9	1.86E-107	0.666	21	28.3	Q3
IPI00024129;	PPIC	16	1.61E-28	0.667	4	8.6	Q3
IPI00004669;	GALNT2	8.1	4.57E-25	0.669	2	34.0	Q3
IPI00220901;	TBC1D4	3.1	6.34E-26	0.670	3	9.6	Q3
IPI00016725;	GTF3C4	9.5	2.02E-63	0.673	7	17.5	Q3
IPI00018272;	PNPO	13.4	4.26E-07	0.673	2	2.8	Q3

IPI00916822;	PPIL3	37.2	3.03E-91	0.674	5	4.6	Q3
IPI00739827;	LAMP2	9	3.25E-08	0.680	5	61.8	Q3
IPI00026516;	OXCT1	16.5	3.60E-39	0.683	7	3.7	Q3
IPI00412441;	WAPAL	2.7	8.03E-17	0.684	3	4.4	Q3
IPI00000138;	MGAT1	8.5	8.90E-05	0.686	3	1.2	Q3
IPI00009726;	NMNAT1	12.5	1.47E-12	0.687	3	5.5	Q3
IPI00844050;	UQCC	10.4	4.72E-22	0.697	3	7.1	Q3
IPI00029656;	DFNA5	20	5.14E-95	0.698	2	46.8	Q3
IPI00260715;	FUS	13.3	2.24E-62	0.698	7	100.3	Q3
IPI00216057;	SORD	31.7	1.81E-113	0.699	3	5.3	Q3
IPI00017704	COTL1	40.8	9.69E-15	0.699	6	14.6	Q3
IPI00010414	PDLIM1	82.4	<1.0E-304	0.705	14	6.0	Q3
IPI00007765;	HSPA9	45.8	<1.0E-304	0.709	22	5.7	Q3
IPI00027350;	PRDX2	35.4	1.39E-144	0.710	13	85.3	Q3
IPI00783625;	SERPINB5	63.5	<1.0E-304	0.711	37	16.8	Q3
IPI00005670;	CDC123	8	1.26E-07	0.712	2	2.9	Q3
IPI00658109;	CKMT1A	50.8	1.95E-261	0.715	6	12.0	Q3
IPI00010706;	GSS	24.5	1.23E-47	0.716	4	7.9	Q3
IPI00219420	SMC3	24.7	3.25E-229	0.716	29	29.0	Q3
IPI00022215	ADNP	5	3.84E-07	0.718	5	5.0	Q3
IPI00477231;	MGEA5	17.6	5.76E-64	0.718	16	11.7	Q3
IPI00913938;	IPO11	6.6	5.78E-66	0.723	5	10.7	Q3
IPI00298994;	TLN1	42.5	<1.0E-304	0.724	116	9.2	Q3
IPI00011913	HNRNPA0	30.8	3.20E-164	0.730	6	4.4	Q3
IPI00019755;	GSTO1	49.8	1.21E-60	0.737	14	3.7	Q3
IPI00026111;	TMCO1	24.5	3.47E-51	0.740	2	8.3	Q3
IPI00221234;	ALDH7A1	32.3	1.10E-214	0.741	6	52.6	Q3
IPI00170972;	C9orf64	17	2.58E-14	0.746	2	46.5	Q3
IPI00009949;	PSMF1	26.6	4.93E-77	0.748	7	21.4	Q3
IPI00217975;	LMNB1	25.8	6.68E-92	0.751	13	6.5	Q3
IPI00640817;	AK1	37.6	1.62E-70	0.753	10	10.9	Q3
IPI00923582;	SCRN1	17.3	9.70E-52	0.753	7	13.3	Q3
IPI00218465;	PLAA	13.7	3.80E-159	0.758	5	12.4	Q3

IPI00307257;	TBC1D9B	6.6	3.96E-40	0.758	8	11.4	Q3
IPI00061108;	MRRF	21.4	8.64E-41	0.758	3	5.4	Q3
IPI00020984;	CANX	30.8	1.36E-211	0.759	11	10.4	Q3
IPI00847689;	HTATIP2	12.3	2.36E-17	0.760	3	5.7	Q3
IPI00005218	MOCS2	8	5.89E-22	0.767	2	1.0	Q3
IPI00147874;	NANS	27.9	2.13E-61	0.768	6	14.1	Q3
IPI00218268;	OPRS1	12.1	4.37E-04	0.769	3	110.0	Q3
IPI00013004;	PDXK	22.1	2.13E-88	0.770	5	5.2	Q3
IPI00103142	NUDCD2	30.6	3.42E-73	0.772	4	3.6	Q3
IPI00296099;	THBS1	33.7	3.92E-300	0.774	44	12.7	Q3
IPI00021808;	HARS	41.3	6.52E-146	0.775	6	17.2	Q3
IPI00026496	NPM3	47.2	9.39E-170	0.775	6	7.5	Q3
IPI00023530;	CDK5	13	2.35E-05	0.777	2	2.1	Q3
IPI00291783	GEMIN5	17.7	3.49E-216	0.778	26	6.6	Q3
IPI00845373;	NFKB2	3.4	1.21E-13	0.780	2	32.4	Q3
IPI00305289	KIF11	14.9	7.27E-86	0.786	15	30.3	Q3
IPI00021537;	OGFR	6.6	2.02E-93	0.787	3	5.7	Q3
IPI00329633;	TARS	53.1	<1.0E-304	0.790	36	15.6	Q3
IPI00007144;	RPL26L1	11.7	1.53E-18	0.793	2	5.5	Q3
IPI00292953;	RAI14	7.2	1.28E-24	0.796	7	8.6	Q3
IPI00071703;	GFM2	6.5	2.38E-22	0.799	3	61.2	Q3
IPI00171626	LPCAT1	5.1	3.62E-24	0.802	2	2.1	Q3
IPI00021831;	PRKAR1A	19.2	4.51E-98	0.802	3	10.4	Q3
IPI00856098;	RRBP1	38.1	<1.0E-304	0.803	69	10.9	Q3
IPI00172656	FAF2	16.9	1.10E-55	0.805	4	4.2	Q3
IPI00374563	AGRN	1.6	1.66E-07	0.812	4	17.6	Q3
IPI00299095	SNX2	8.7	7.48E-32	0.814	3	7.5	Q3
IPI00010141	POLE3	22.4	5.88E-45	0.826	4	14.7	Q3
IPI00807573;	PIK3R1	4	4.11E-19	0.828	2	10.7	Q3
IPI00844388;	HELLS	4.3	2.60E-05	0.829	4	10.9	Q3
IPI00643554;	RGS10	30.4	3.29E-32	0.836	3	25.3	Q3
IPI00218019;	BSG	16.9	2.75E-62	0.837	5	8.9	Q3
IPI00032140;	SERPINH1	55.5	<1.0E-304	0.841	15	8.6	Q3

IPI00816415;	AKAP2	4.7	3.00E-21	0.842	5	8.2	Q3
IPI00028122;	PSIP1	8.5	1.53E-27	0.856	5	4.3	Q3
IPI00025273;	GART	37.5	<1.0E-304	0.865	42	22.3	Q3
IPI00894395;	PSMB9	14.2	3.57E-22	0.865	3	31.6	Q3
IPI00908639;	HISPPD1	1.7	2.06E-03	0.866	2	0.2	Q3
IPI00219344;	HPCAL1	34.2	4.58E-43	0.876	4	9.1	Q3
IPI00829615;	SDR39U1	10.7	6.19E-04	0.876	2	25.4	Q3
IPI00789361;	DAB2IP	2.9	1.91E-09	0.878	3	21.8	Q3
IPI00221231	NUDT2	37.4	1.94E-26	0.878	5	14.5	Q3
IPI00017510	MT	35.2	1.19E-101	0.895	7	23.6	Q3
IPI00007940;	ERLIN1	11.5	3.17E-101	0.899	3	56.8	Q3
IPI00016912	TTC1	9.9	2.35E-07	0.902	2	4.4	Q3
IPI00654820;	MT	6.8	3.38E-04	0.902	2	1.5	Q3
IPI00448095;	DCXR	23.8	2.50E-20	0.905	6	13.4	Q3
IPI00874235;	ERGIC1	14.8	4.70E-14	0.914	6	52.7	Q3
IPI00001730;	FHOD1	11.2	3.62E-85	0.929	12	10.5	Q3
IPI00032879;	AK6	23.8	7.90E-39	0.929	5	6.8	Q3
IPI00299024;	BASP1	33.5	9.29E-39	0.930	2	20.5	Q3
IPI00100460	DARS2	4.2	5.55E-05	0.931	2	15.5	Q3
IPI00174025;	DNMBP	1.4	1.05E-13	0.931	2	1.8	Q3
IPI00031109	NDUFAF2	52.7	9.41E-69	0.943	5	2.6	Q3
IPI00658000;	IGF2BP3	18	2.44E-120	0.944	7	11.3	Q3
IPI00332499;	NASP	23.2	1.92E-183	0.945	19	29.7	Q3
IPI00418530;	AGTPBP1	1.7	1.13E-12	0.947	2	17.8	Q3
IPI00848334;	KIF2A	12.5	1.83E-37	0.953	11	25.8	Q3
IPI00329801;	ANXA5	81.9	<1.0E-304	0.961	40	19.1	Q3
IPI00005996;	HMGA2	41.3	7.24E-94	0.962	5	10.7	Q3
IPI00853454;	LAMB1	5.2	2.78E-91	0.965	10	28.2	Q3
IPI00917607;	HMMR	2.8	6.54E-13	0.969	2	18.7	Q3
IPI00302641;	FAT2	2.2	2.77E-20	0.974	9	13.4	Q3
IPI00011229;	CTSD	36.2	<1.0E-304	0.977	22	73.3	Q3
IPI00009659;	RPRD1B	19.9	1.51E-27	0.978	2	0.3	Q3
IPI00016568;	AK3L1	29.1	4.07E-15	0.982	5	29.3	Q3

IPI00010149;	ARL4C	10.9	1.29E-44	0.993	2	10.2	Q3
IPI00001734;	PSAT1	27.5	1.05E-46	0.998	7	13.7	Q3
IPI00020719	MAVS	4.3	3.84E-04	0.999	2	4.2	Q3
IPI00334190;	STOML2	38.8	7.51E-150	1.005	7	20.6	Q3
IPI00295386;	CBR1	71.8	<1.0E-304	1.011	15	6.1	Q3
IPI00549725;	PGAM1	67.7	1.77E-284	1.020	20	6.5	Q3
IPI00300805;	LRSAM1	4.6	4.04E-07	1.021	3	0.8	Q3
IPI00216225;	ITGA6	26.5	9.43E-219	1.021	32	22.5	Q3
IPI00375631	ISG15	41.2	1.43E-88	1.054	8	47.9	Q3
IPI00003327	ARL3	47.3	5.50E-112	1.066	7	11.2	Q3
IPI00002745;	CTSZ	15.8	8.77E-41	1.071	3	1.2	Q3
IPI00010130;	GLUL	7	1.09E-04	1.085	2	42.7	Q3
IPI00009950	LMAN2	27.5	1.31E-88	1.106	3	52.8	Q3
IPI00013002;	UBE2C	31.8	3.04E-49	1.107	6	22.6	Q3
IPI00219029;	GOT1	41.2	5.06E-147	1.115	7	8.9	Q3
IPI00011200;	PHGDH	31.1	1.51E-152	1.134	8	176.2	Q3
IPI00045839;	LEPRE1	2.7	5.67E-08	1.160	2	41.1	Q3
IPI00023122;	PDLIM7	16	1.34E-24	1.171	3	7.5	Q3
IPI00329573;	COL12A1	7	4.67E-47	1.171	19	14.8	Q3
IPI00029111;	LCRMP	4.2	1.87E-24	1.177	2	9.2	Q3
IPI00654731;	DDX58	13.5	3.49E-110	1.180	11	69.9	Q3
IPI00022462;	TFRC	29.9	9.08E-174	1.186	24	56.7	Q3
IPI00026314;	GSN	43.6	<1.0E-304	1.187	31	9.4	Q3
IPI00008485;	ACO1	13.4	5.00E-98	1.228	9	7.2	Q3
IPI00552634;	C20orf27	13.1	2.65E-03	1.243	2	3.8	Q3
IPI00472451;	VAV2	3.8	3.76E-61	1.249	4	14.8	Q3
IPI00009305;	GNPDA1	46	7.91E-115	1.252	12	19.9	Q3
IPI00220709;	TPM2	26.1	1.05E-121	1.258	2	0.9	Q3
IPI00847342;	KRT7	56.1	<1.0E-304	1.274	36	53.5	Q3
IPI00007702;	HSPA2	11.6	7.04E-272	1.284	5	6.1	Q3
IPI00018352;	UCHL1	33.2	7.07E-32	1.305	5	72.3	Q3
IPI00002406;	BCAM	10.8	2.55E-119	1.315	5	29.8	Q3
IPI00220644;	PKM2	3.2	<1.0E-304	1.324	3	17.2	Q3

IPI00220644;	PKM2	3.2	<1.0E-304	1.324	3	17.2	Q3
IPI00063962;	DPCD	27.1	3.15E-22	1.340	5	6.9	Q3
IPI00022078;	NDRG1	30.7	3.11E-189	1.348	5	7.7	Q3
IPI00034181;	RBBP9	12.9	1.29E-03	1.358	2	5.5	Q3
IPI00871988;	SFXN3	41.3	1.29E-182	1.358	9	8.5	Q3
IPI00794221;	DBN1	19.4	3.45E-256	1.359	10	76.3	Q3
IPI00178352;	FLNC	0.8	5.63E-113	1.411	2	134.0	Q3
IPI00011876;	MTAP	60.3	2.42E-266	1.448	22	23.7	Q3
IPI00025418;	COL7A1	1.9	1.33E-124	1.476	4	9.9	Q3
IPI00002459;	ANXA6	50.5	7.25E-281	1.480	21	13.5	Q3
IPI00337541	NNT	11.4	4.75E-85	1.622	9	31.6	Q3
IPI00295388;	GLDC	6.2	3.91E-22	1.632	4	167.1	Q3
IPI00103467	ALDH1B1	6.8	4.05E-31	1.672	3	13.5	Q3
IPI00000151;	ITGB6	3.6	2.75E-72	1.682	2	6.0	Q3
IPI00008868;	MAP1B	1.3	9.89E-22	1.728	3	19.1	Q3
IPI00005682	HSD11B1	14.7	7.34E-07	1.932	3	16.6	Q3
IPI00020632;	ASS1	6.4	1.04E-12	1.936	3	8.1	Q3
IPI00418471;	VIM	76.4	<1.0E-304	1.985	48	71.5	Q3
IPI00000643;	BAG2	24.6	3.94E-18	2.316	4	12.7	Q3
IPI00921911;	CRIP2	17	1.42E-128	2.555	2	3.7	Q3
IPI00748788;	MTM1	2.5	1.80E-02	2.575	5	88.3	Q3
IPI00845263;	FN1	13.5	<1.0E-304	2.727	22	22.3	Q3
IPI00022977;	CKB	18.9	3.93E-108	2.923	6	57.1	Q3
IPI00303300;	FKBP10	8.1	2.73E-73	3.107	4	17.5	Q3
IPI00018219;	TGFBI	5	1.50E-04	3.156	2	27.4	Q3
IPI00016480;	NLRP2	2.7	4.85E-07	3.156	3	23.4	Q3
IPI00382958;	0	13.6	4.66E-100	3.352	3	191.9	Q3
IPI00741030	C8orf73	1.7	3.18E-01	4.037	3	108.4	Q3
IPI00289334;	FLNB	2.4	<1.0E-304	4.760	4	46.1	Q3
IPI00001560;	CDKN2A	37.7	9.51E-68	5.434	7	51.9	Q3