

SI Table 4. Proteins altered by 6 h 100 µg/mL Halloysite nanotube exposure.

Protein ID	Gene Name	Protein Name	Control	1ug/ml	10ug/ml	100ug/ml	STDEV Control	STDEV 1ug/ml	STDEV 10ug/ml	STDEV 100ug/ml	Fold Change 100ug/ml vs Control	P value 100ug/ml vs Control
IPI0009286	MLL	Histone-lysine N-methyltransferase, isoform 1	289,564	377,325	501,707	605,315	121,534	106,068	258,463	140,260	2.1	0.005
IPI00300990	CHTOP	Chromatin target of PRMT1 protein, isoform 1	726,240	899,118	1,022,103	1,297,238	167,696	61,615	424,231	271,201	1.8	0.004
IPI00473047	PRKAG1	5'-AMP-activated protein kinase subunit gamma-1	136,677	204,937	232,599	243,020	14,548	108,359	145,008	79,309	1.8	0.04
IPI00893203	ACP1	Low molecular weight phosphotyrosine protein phosphatase, splice va	5,873,309	7,471,358	6,165,343	9,967,502	3,465,160	2,108,718	1,225,678	1,635,298	1.7	0.04
IPI00382703	ACP1	Low molecular weight phosphotyrosine protein phosphatase	5,482,525	7,126,900	5,815,200	9,545,800	3,408,650	2,100,875	1,196,781	1,598,622	1.7	0.04
IPI00941031	KIAA1967	Protein KIAA1967 (Deleted in breast cancer gene 1 protein)	4,899,463	6,856,400	5,629,767	8,357,400	2,589,226	1,879,033	1,262,054	1,172,990	1.7	0.03
IPI01015519	STARD10	StAR-related lipid transfer protein 10 (Serologically defined colon canc	1,170,521	1,605,511	1,343,748	2,010,684	525,908	340,611	380,967	475,300	1.7	0.03
IPI00746777	ADH5	Alcohol dehydrogenase class-3	16,090,700	21,411,850	17,251,910	26,450,340	6,424,735	4,080,115	3,988,294	4,465,816	1.6	0.02
IPI00215920	ARF6	ADP-ribosylation factor 6	5,266,760	6,288,500	6,250,720	8,295,160	1,705,747	1,575,530	1,192,040	948,732	1.6	0.008
IPI00009063	CAPN9	Calpain-9, isoform 1	1,027,897	1,182,243	1,211,827	1,615,850	235,035	251,840	420,741	240,466	1.6	0.004
IPI00908657	HLA-DRA	HLA class II histocompatibility antigen, DRalpha chain	5,236,420	5,103,550	7,100,540	8,307,060	1,652,419	1,782,104	2,877,738	1,479,082	1.6	0.01
IPI0020906	IMPA1	Inositol monophosphatase 1	765,240	1,011,558	981,854	1,193,138	246,031	154,140	197,052	97,186	1.6	0.01
IPI00185146	IPO9	Importin-9	316,984	345,183	456,302	514,733	143,953	169,186	139,811	128,507	1.6	0.05
IPI00925799	PSMA2	Proteasome subunit alpha type-2	12,324,733	15,428,517	15,433,227	19,479,160	3,842,558	3,367,319	2,812,868	3,168,883	1.6	0.01
IPI00018370	SVIL	Supervillin, isoform 2	1,067,365	1,372,040	1,127,290	1,675,700	346,343	158,134	255,234	253,344	1.6	0.01
IPI00789452	WDR61	WD repeat-containing protein 61	1,115,121	1,227,320	1,385,908	1,835,047	388,267	276,115	527,436	245,892	1.6	0.008
IPI00908516	ARL1	ADP-ribosylation factor-like protein 1	46,956	40,543	50,216	71,631	2,152	13,167	15,464	13,614	1.5	0.01
IPI00027412	CEACAM6	Carcinoembryonic antigen-related cell adhesion molecule 6	11,571,020	15,343,100	11,806,910	16,875,500	4,537,181	4,017,846	3,666,860	2,522,248	1.5	0.05
IPI00794397	CHMP4A	Charged multivesicular body protein 4a	1,331,773	1,677,118	1,558,440	2,042,395	439,204	503,436	470,102	333,167	1.5	0.02
IPI00976020	EIF4G2	Eukaryotic translation initiation factor 4 gamma 2	341,741	512,258	520,115	519,950	75,943	62,358	108,118	45,405	1.5	0.002
IPI00306661	KCMF1	E3 ubiquitin-protein ligase KCMF1	741,393	844,279	889,933	1,090,565	143,622	180,719	281,130	113,713	1.5	0.003
IPI00002857	MAPK14	Mitogen-activated protein kinase 14, isoform CSBP2	609,020	704,100	857,883	910,667	135,851	187,878	192,570	167,616	1.5	0.01
IPI00013214	MCM3	DNA replication licensing factor MCM3	2,770,625	2,641,905	3,674,035	4,240,220	895,847	957,634	1,348,847	661,188	1.5	0.02
IPI00908729	MCM6	DNA replication licensing factor MCM6	1,300,765	1,297,545	1,623,820	1,889,850	394,699	415,248	473,393	288,812	1.5	0.03
IPI00419692	PIPSL	Putative PIP5K1A and PSMD4-like protein	1,718,035	2,137,788	1,997,405	2,497,428	698,687	358,955	332,356	313,990	1.5	0.05
IPI00873730	POM121L1P	Nuclear envelope pore membrane protein POM 121-like 1	1,297,608	1,573,970	1,518,829	1,946,490	475,674	64,810	391,336	149,720	1.5	0.04
IPI00018934	SCN1A	Sodium channel protein type 1 subunit alpha, isoform 1	1,217,240	1,582,687	1,232,483	1,794,263	440,703	146,329	305,407	347,438	1.5	0.05
IPI00000184	SCOC	Short coiled-coil protein, isoform 1	311,165	349,280	375,949	464,730	64,304	85,690	75,943	75,366	1.5	0.008
IPI00924874	SRRT	Serrate RNA effector molecule homolog	243,561	321,083	289,016	361,634	44,688	61,932	52,921	40,404	1.5	0.002
IPI01009196	STARD10	PCTP-like protein, splice variant or isoform	2,744,763	3,370,201	3,092,070	4,003,590	431,911	339,529	621,962	650,693	1.5	0.007
IPI01009673	STARD10	PCTP-like protein, splice variant or isoform	2,646,075	3,265,148	2,986,336	3,876,259	405,739	333,255	591,817	638,922	1.5	0.007
IPI00973950	AK3	Adenylate kinase isoenzyme 4, mitochondrial	5,776,230	7,228,550	5,597,865	8,298,700	1,150,303	1,080,090	1,293,540	1,038,073	1.4	0.007
IPI00925567	AKR1B15	Aldo-keto reductase family 1 member B15	477,613	449,001	560,970	684,995	151,690	166,064	217,635	63,354	1.4	0.02
IPI00941730	ARHGAP1	Rho GTPase-activating protein 1	236,282	255,579	380,372	333,007	20,557	80,123	133,799	42,798	1.4	0.002
IPI00439209	BAX	Apoptosis regulator BAX, isoform delta	550,922	628,640	570,582	765,330	96,374	103,347	114,844	160,738	1.4	0.03
IPI00294158	BLVRA	Biliverdin reductase A	3,027,757	3,228,753	3,006,180	4,303,783	498,553	851,491	908,436	973,294	1.4	0.03
IPI00328749	C20orf160	Uncharacterized protein C20orf160, isoform 1	4,901,661	6,412,502	5,348,304	6,630,208	1,406,140	650,480	1,875,639	538,174	1.4	0.05
IPI00004416	CHMP2A	Charged multivesicular body protein 2a	1,328,171	1,440,040	1,462,214	1,854,652	312,242	471,103	226,223	151,342	1.4	0.009
IPI00979052	CTNND1	Catenin delta-1	229,410	296,476	263,452	324,693	50,512	59,979	33,650	36,037	1.4	0.009
IPI01013521	DDB1	DNA damage-binding protein 1	83,726	85,589	108,949	114,051	20,430	13,291	28,778	14,737	1.4	0.03
IPI00030320	DDX6	Probable ATP-dependent RNA helicase DDX6	2,613,320	3,278,875	2,853,330	3,708,915	492,098	716,118	529,259	644,307	1.4	0.02
IPI00976338	DECR1	2,4-dienoyl-CoA reductase, mitochondrial	1,454,625	1,848,187	1,615,149	2,035,147	481,755	303,757	167,277	255,025	1.4	0.04
IPI00152692	DTD1	D-tyrosyl-tRNA(Tyr) deacylase 1	1,671,200	2,281,830	1,679,560	2,260,300	454,362	172,074	503,049	325,300	1.4	0.05
IPI00019329	DYNLL1	Dynein light chain 1, cytoplasmic	797,141	1,041,215	857,771	1,132,856	179,269	217,846	183,147	180,794	1.4	0.02
IPI00019463	EIF2AK2	Interferon-induced, double-stranded RNA-activated protein kinase	321,511	292,364	390,732	455,636	72,845	72,860	153,955	106,470	1.4	0.05
IPI00980818	EIF4G2	Eukaryotic translation initiation factor 4 gamma 2, splice variant or iso	70,444	92,894	81,148	100,996	7,419	11,310	14,981	25,429	1.4	0.05
IPI00299254	EIF5B	Eukaryotic translation initiation factor 5B	7,482,160	9,395,080	8,225,540	10,246,490	1,505,755	1,816,924	1,705,897	1,392,964	1.4	0.02
IPI01011710	ERI3	Prion protein interacting protein	611,967	630,363	689,577	828,188	126,498	116,181	210,591	48,732	1.4	0.02
IPI00954849	FCAMR	High affinity immunoglobulin alpha and immunoglobulin mu Fc recept	2,911,680	3,271,870	3,213,390	4,026,030	850,325	771,897	674,155	479,065	1.4	0.03
IPI00515014	GALE	UDP-galactose-4-epimerase	1,018,883	1,171,033	1,105,527	1,385,923	281,082	239,545	219,875	201,657	1.4	0.05
IPI00061525	GNPNAT1	Glucosamine 6-phosphate N-acetyltransferase	896,788	894,700	809,783	1,288,930	247,015	245,830	418,988	172,373	1.4	0.02
IPI00294398	HADH	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial, isoform 1	2,650,589	3,586,444	2,470,861	3,794,492	812,194	588,201	655,269	645,162	1.4	0.04
IPI00395462	HYPK	Huntingtin-interacting protein K, isoform 2	425,187	565,081	575,236	590,315	90,588	167,780	134,267	112,384	1.4	0.03

IPI00643131	KPNA3	Karyopherin alpha 3	3,718,250	4,216,930	4,104,575	5,056,600	519,347	258,248	463,328	888,706	1.4	0.02
IPI00013976	LAMB1	Laminin subunit beta-1	170,361	197,059	278,966	233,371	43,110	64,016	93,598	21,491	1.4	0.02
IPI00294742	LARP7	La-related protein 7, isoform 1	1,145,210	1,148,575	1,204,955	1,571,370	253,960	292,025	301,808	163,974	1.4	0.01
IPI00979179	LOC100508996	hypothetical protein LOC100508996	3,568,750	4,173,400	3,828,790	4,941,870	928,481	931,716	876,020	699,331	1.4	0.03
IPI00439701	LOC284804	hypothetical protein LOC284804	3,640,250	4,229,370	4,291,650	5,193,930	764,973	147,585	1,047,442	103,973	1.4	0.01
IPI00740026	LOC644578	hypothetical protein LOC644578	5,416,360	6,797,220	5,880,390	7,521,460	1,809,644	2,294,523	1,687,266	758,204	1.4	0.04
IPI00167941	MDN1	Midasin	6,190,918	7,584,742	7,698,691	8,822,680	1,669,288	1,646,820	1,973,477	1,671,308	1.4	0.04
IPI00007001	MRPL11	39S ribosomal protein L11, mitochondrial, isoform 1	3,143,900	3,513,225	3,787,625	4,435,610	769,345	790,820	1,016,269	971,887	1.4	0.05
IPI00644506	NUP93	Nuclear pore complex protein Nup93	4,303,120	4,786,425	4,799,100	6,033,985	731,764	581,887	1,468,641	641,628	1.4	0.004
IPI00402061	NXF4	Nuclear RNA export factor 2	4,978,680	5,268,190	5,706,270	7,028,800	1,444,091	1,287,276	2,107,317	901,905	1.4	0.03
IPI00022334	OAT	Ornithine aminotransferase, mitochondrial	25,502,311	32,921,752	28,050,545	35,360,804	6,254,254	6,527,147	4,095,188	4,650,084	1.4	0.02
IPI00398922	PPP1R14B	Protein phosphatase 1 regulatory subunit 14B	170,373	150,778	191,961	241,346	35,574	36,017	78,999	55,520	1.4	0.04
IPI00024919	PRDX3	Thioredoxin-dependent peroxide reductase, mitochondrial	40,989,610	45,827,725	42,385,115	55,618,640	1,086,617	4,621,464	9,224,029	4,762,340	1.4	0.002
IPI00924946	PRKAR2A	cAMP-dependent protein kinase type II-alpha regulatory subunit	2,815,310	3,363,620	3,138,197	3,856,120	325,864	530,531	759,265	528,059	1.4	0.006
IPI00292000	PRPF31	U4/U6 small nuclear ribonucleoprotein, isoform 1	9,895,674	11,925,821	9,818,396	14,187,337	2,415,144	1,994,145	2,638,316	2,301,985	1.4	0.02
IPI00983632	PSMA5	Proteasome subunit alpha type-5, isoform 2	793,420	960,792	724,022	1,103,355	244,832	295,630	257,854	184,996	1.4	0.05
IPI00025329	RPL19	60S ribosomal protein L19	1,134,947	1,365,861	1,519,395	1,602,500	206,258	156,239	220,345	231,168	1.4	0.01
IPI00793341	RPL4	60S ribosomal protein L4	1,222,708	1,438,626	1,474,654	1,655,441	239,371	221,942	388,676	230,617	1.4	0.02
IPI00642454	RPL7A	Ribosomal protein L7a	1,463,205	1,831,930	1,475,503	2,070,928	374,356	429,304	161,345	177,789	1.4	0.01
IPI00555941	RPS5	40S ribosomal protein S5 variant	2,137,790	2,557,210	2,450,415	3,098,460	549,847	525,603	448,072	611,246	1.4	0.03
IPI00182313	SEC61A2	Protein transport protein Sec61 subunit alpha, isoform 2b	236,195	323,518	283,760	326,747	46,510	64,077	70,615	38,991	1.4	0.01
IPI00945024	SND1	Staphylococcal nuclease domain-containing protein 1	3,396,230	4,422,376	3,281,190	4,814,453	1,094,185	1,018,873	1,062,321	324,443	1.4	0.04
IPI00925997	SRI	Sorcin	7,268,805	8,580,122	8,700,562	10,243,352	2,098,216	1,184,302	1,248,699	1,285,101	1.4	0.03
IPI00394796	TDRD1	Tudor domain-containing protein 1, isoform 1	573,477	797,453	621,053	828,730	64,510	57,318	124,535	153,918	1.4	0.009
IPI00514310	TSTD1	Thiosulfate sulfurtransferase/rhodanese-like domain-containing protei	1,415,723	1,653,933	1,395,883	2,022,968	240,617	239,452	370,154	217,102	1.4	0.003
IPI00291946	USP10	Ubiquitin carboxyl-terminal hydrolase 10	6,660,327	7,970,877	8,062,650	9,234,503	1,193,265	387,373	1,293,225	1,040,313	1.4	0.007
IPI00298971	VTN	Vitronectin	6,962,200	8,224,880	7,510,225	9,426,160	1,026,716	1,001,860	967,422	842,106	1.4	0.003
IPI00640703	XPO5	Exportin-5	21,550,600	27,649,900	21,890,800	29,959,100	4,438,716	5,429,183	7,262,926	4,217,481	1.4	0.02
IPI00827972	PARF	GTP-binding protein Parf	960,290	1,007,055	955,098	1,253,767	130,598	262,382	81,379	240,292	1.3	0.04
IPI00042932	ABCB4	Multidrug resistance protein 3, isoform 1	2,536,677	2,904,337	2,637,997	3,394,310	635,978	564,860	564,395	388,620	1.3	0.03
IPI00929577	ABHD2	Similar to Vesicle-associated membrane protein-associated protein A it	637,377	790,311	746,559	840,384	162,339	204,173	150,603	116,446	1.3	0.05
IPI00741635	ANKRD34C	Ankyrin repeat domain-containing protein 34C	29,141,200	35,715,700	27,966,600	37,448,300	6,728,098	8,199,250	6,461,121	4,080,358	1.3	0.05
IPI00922006	AP1S2	AP-1 complex subunit sigma-2	2,232,667	2,153,011	2,302,089	2,797,978	328,609	424,972	530,760	188,467	1.3	0.01
IPI00175169	ARFGAP1	ADP-ribosylation factor GTPase-activating protein 1, isoform 1	838,537	842,068	820,058	1,078,972	90,491	62,946	296,096	190,475	1.3	0.03
IPI00008167	ATP1B3	Sodium/potassium-transporting ATPase subunit beta-3	1,028,973	1,014,950	1,139,217	1,329,440	113,759	109,488	174,841	139,965	1.3	0.006
IPI00071059	BAX	Apoptosis regulator BAX, isoform epsilon	2,566,010	2,643,376	2,723,368	3,329,630	613,848	378,234	495,580	434,321	1.3	0.05
IPI00217937	C1orf101	Uncharacterized protein C1orf101, isoform 1	2,618,963	3,207,037	2,665,328	3,355,266	608,967	367,048	694,116	204,593	1.3	0.05
IPI00032561	CAB39	Calcium-binding protein 39	4,924,130	5,637,190	5,187,570	6,397,350	171,792	821,551	599,778	955,169	1.3	0.02
IPI00965501	CANX	Calnexin, splice variant or isoform	9,907,040	10,434,353	11,049,373	12,443,242	2,340,225	1,777,667	2,293,894	943,283	1.3	0.05
IPI00442866	CANX	Calnexin	1,144,240	1,284,463	1,352,760	1,516,086	176,776	183,356	216,206	287,594	1.3	0.04
IPI00641881	CAP1	Adenylyl cyclase-associated protein	524,650	607,392	587,452	662,460	102,695	51,808	127,206	84,846	1.3	0.05
IPI01010326	CCAR1	Cell division cycle and apoptosis regulator protein 1	133,873	117,133	142,007	168,756	25,216	21,905	38,094	20,096	1.3	0.04
IPI00024642	CCDC47	Coiled-coil domain-containing protein 47, isoform 1	210,137	236,927	284,599	280,014	58,620	24,663	77,118	32,134	1.3	0.05
IPI00011284	COMT	Catechol O-methyltransferase, isoform membrane-bound	19,256,526	22,176,213	20,055,340	24,562,382	3,795,862	2,630,567	4,063,245	1,696,323	1.3	0.02
IPI00892994	CPNE1	Copine-1, splice variant or isoform	1,513,728	1,826,694	1,614,401	1,944,049	238,701	165,972	194,814	332,337	1.3	0.05
IPI00006034	CRIP2	Cysteine-rich protein 2	3,301,609	3,805,506	3,604,196	4,320,110	755,120	655,062	939,453	448,895	1.3	0.03
IPI00964890	CTBP1	C-terminal-binding protein 1	1,302,723	1,630,595	1,364,584	1,648,510	267,927	188,241	294,970	210,026	1.3	0.05
IPI00967473	DEK	Protein DEK	1,352,012	1,560,256	1,519,596	1,732,868	338,903	234,115	322,992	136,501	1.3	0.05
IPI00420108	DLST	Dihydropolyllysine-residue succinyltransferase component of 2-oxoglu	7,850,397	7,758,587	8,416,087	9,892,983	1,267,956	1,401,458	1,625,166	718,282	1.3	0.01
IPI00014845	DNAH8	Dynein heavy chain 8, axonemal, isoform 1	301,486	360,395	402,227	400,870	35,933	49,122	92,959	84,918	1.3	0.04
IPI00975639	DNM3	Dynamin-3	327,887	329,598	333,141	415,501	33,281	43,361	115,228	72,348	1.3	0.04
IPI00062037	DYNLL2	Dynein light chain 2, cytoplasmic	1,776,318	2,116,726	2,106,930	2,370,560	417,571	514,604	716,679	191,575	1.3	0.02
IPI00029631	ERH	Enhancer of rudimentary homolog	12,484,916	13,631,211	13,790,898	16,178,052	3,240,297	1,484,088	2,717,906	1,465,492	1.3	0.05
IPI00964335	ETF1	Eukaryotic peptide chain release factor subunit 1	1,341,940	1,358,106	1,312,340	1,760,508	272,078	231,327	348,181	108,123	1.3	0.01
IPI00792673	ETFA	Electron transfer flavoprotein subunit alpha, mitochondrial, splice vari	5,108,682	5,650,422	5,648,423	6,434,453	1,074,716	452,002	1,009,469	405,115	1.3	0.05
IPI00984351	FAM49B	Protein FAM49B	625,950	708,707	664,273	789,783	73,095	96,573	171,358	127,862	1.3	0.04
IPI00007024	FAM96B	Mitotic spindle-associated CMMXD complex subunit MIP18	4,191,249	4,213,189	4,292,006	5,369,463	637,562	426,271	681,439	953,462	1.3	0.05
IPI00789008	FLOT2	Flotillin-2	3,151,570	3,711,835	3,043,960	4,037,545	606,482	333,874	548,643	442,791	1.3	0.03
IPI00023729	FN3K	Fructosamine-3-kinase	943,983	906,450	1,005,080	1,196,830	96,891	105,647	147,549	203,257	1.3	0.04

IPI00445716	GFRA3	GDNF family receptor alpha-3, isoform 1	773,380	849,740	806,615	981,880	142,591	27,063	179,979	88,004	1.3	0.02
IPI00219673	GSTK1	Glutathione S-transferase kappa 1, isoform 1	21,118,590	23,550,105	22,605,780	26,489,755	3,926,763	1,943,683	4,088,662	1,297,122	1.3	0.03
IPI00180386	GYG1	Glycogenin-1, isoform GN-1L	6,731,560	6,954,840	6,925,553	8,707,980	1,132,079	1,487,892	2,598,589	1,184,775	1.3	0.03
IPI00477495	H2BFS	Histone H2B type F-S	4,425,550	4,459,520	4,606,538	5,715,717	686,167	350,201	376,032	620,645	1.3	0.01
IPI00166293	HIST3H2BB	Histone H2B type 3-B	2,922,497	2,826,713	2,987,105	3,826,435	432,236	325,802	459,756	447,746	1.3	0.01
IPI00873466	HPRT1	Hypoxanthine-guanine phosphoribosyltransferase	3,903,280	4,318,352	4,262,173	4,949,635	864,734	429,512	647,492	490,024	1.3	0.05
IPI00935516	HSPB1	Heat shock factor-binding protein 1	1,682,044	1,874,240	1,872,846	2,131,735	262,010	381,567	664,763	283,175	1.3	0.03
IPI00909582	HSD17B4	Peroxisomal multifunctional enzyme type 2, isoform 1	3,071,462	3,649,774	3,633,496	3,944,238	669,299	462,144	845,587	510,345	1.3	0.05
IPI00305461	ITIH2	Inter-alpha (Globulin) inhibitor H2	2,387,967	2,568,623	2,642,807	3,206,510	376,710	320,115	482,272	433,742	1.3	0.01
IPI00175193	KIF4B	Chromosome-associated kinesin KIF4B	13,429,300	15,251,230	14,181,060	17,433,000	2,000,563	1,920,627	2,957,032	2,475,878	1.3	0.02
IPI00056414	MAL2	Protein MAL2	6,192,550	7,908,060	7,260,110	8,238,460	1,675,759	1,214,435	1,521,397	1,041,639	1.3	0.05
IPI00743873	MAP4	Microtubule-associated protein 4	981,731	1,055,471	1,030,049	1,283,982	86,039	86,151	187,496	103,218	1.3	0.001
IPI00221142	MAPK14	Mitogen-activated protein kinase 14, isoform Mxi2	91,873	91,797	102,560	120,280	14,342	22,724	16,154	19,960	1.3	0.03
IPI00154451	MMS19	MMS19 nucleotide excision repair protein homolog	2,995,582	2,822,390	3,014,966	3,778,708	645,666	230,498	907,739	267,687	1.3	0.04
IPI00397526	MYH10	Myosin-10, isoform 1	16,602,259	18,844,646	17,323,986	21,226,097	3,234,862	1,319,720	3,272,390	1,219,011	1.3	0.03
IPI01012656	NUMA1	Nuclear mitotic apparatus protein 1, splice variant or isoform	7,245,474	7,932,217	7,739,799	9,364,893	1,690,385	813,231	1,116,638	1,054,577	1.3	0.04
IPI00003128	P4HA2	Prolyl 4-hydroxylase subunit alpha-2, isoform lib	14,703,465	16,583,963	16,865,503	18,454,958	2,145,180	2,045,080	1,426,590	1,750,565	1.3	0.02
IPI00182373	P4HA2	Prolyl 4-hydroxylase subunit alpha-2, isoform lia	15,046,916	16,939,693	17,355,343	18,934,703	2,166,313	2,021,459	1,557,764	1,681,698	1.3	0.01
IPI00329338	PCYT1A	Choline-phosphate cytidyltransferase A	5,090,790	6,077,270	5,639,320	6,486,437	1,035,106	374,067	936,595	445,538	1.3	0.02
IPI00456484	PDE4DIP	Myomegalin, isoform 3	450,905	495,953	487,743	595,195	98,577	37,702	58,915	57,038	1.3	0.02
IPI00976042	PKP3	Plakophilin-3	707,557	750,150	818,620	900,283	163,063	164,632	332,250	82,930	1.3	0.05
IPI00894274	PPP1CB	Serine/threonine-protein phosphatase	1,751,692	1,896,538	2,092,654	2,320,609	381,949	266,408	632,685	244,331	1.3	0.02
IPI00183002	PPP1R12A	Protein phosphatase 1 regulatory subunit 12A, isoform 1	525,001	489,515	544,822	693,982	97,059	87,367	101,237	43,648	1.3	0.008
IPI00759705	PPP1R7	Protein phosphatase 1 regulatory subunit 7, isoform 3	2,019,074	2,284,096	2,120,576	2,551,293	361,989	249,790	394,119	166,146	1.3	0.02
IPI00063234	PRKAR2A	Protein kinase, cAMP-dependent, regulatory, type II, alpha	5,736,364	6,291,711	6,114,913	7,363,367	1,133,544	704,394	1,114,596	459,876	1.3	0.02
IPI00001734	PSAT1	Phosphoserine aminotransferase	12,884,163	13,868,688	14,065,005	16,339,841	2,519,652	1,361,725	1,289,729	1,173,517	1.3	0.02
IPI00219622	PSMA2	Proteasome subunit alpha type-2, splice variant or isoform	22,889,657	25,714,738	24,350,851	30,530,099	5,806,048	3,492,532	3,483,866	4,062,945	1.3	0.04
IPI00028004	PSMB3	Proteasome subunit beta type-3	1,667,803	1,761,683	2,097,593	2,087,407	278,973	207,788	455,996	184,207	1.3	0.02
IPI00216247	PSMD4	Proteasome 26S subunit, non-ATPase, 4	7,236,648	8,240,358	7,544,522	9,229,951	1,447,042	1,222,707	970,945	1,280,619	1.3	0.05
IPI00019178	PSPH	Phosphoserine phosphatase	11,860,660	12,056,700	12,387,035	15,012,800	2,514,452	1,215,603	2,125,546	1,463,957	1.3	0.04
IPI00908835	RAB5B	Ras-related protein Rab-5B	1,051,860	1,239,000	1,305,535	1,388,675	137,513	255,657	204,118	123,783	1.3	0.004
IPI00009700	RABL5	Rab-like protein 5, isoform 1	595,230	605,560	736,240	789,298	161,577	108,657	169,502	101,476	1.3	0.05
IPI00795109	RAN	GTP-binding nuclear protein Ran	2,941,870	3,260,410	3,158,820	3,719,316	627,147	274,795	397,512	328,553	1.3	0.04
IPI00294879	RANGAP1	Ran GTPase-activating protein 1	17,134,060	19,011,805	18,174,565	21,906,915	1,287,867	686,403	2,499,562	1,914,113	1.3	0.002
IPI00604407	RBM3	RNA-binding protein 3	21,887,547	23,918,250	21,780,530	27,705,480	3,393,137	1,095,912	2,712,326	3,664,648	1.3	0.03
IPI00301204	RDH13	Retinol dehydrogenase 13, isoform 1	275,160	283,789	375,798	357,396	37,930	85,597	94,075	59,117	1.3	0.03
IPI00925058	RPL15	Ribosomal protein L15	2,822,140	3,275,262	3,078,723	3,572,377	483,926	431,545	467,926	368,596	1.3	0.02
IPI00926202	RPL15	Ribosomal protein L15, splice variant or isoform	4,889,743	5,709,832	5,694,563	6,221,687	1,105,467	488,636	1,347,122	384,748	1.3	0.05
IPI00470528	RPL15	60S ribosomal protein L15	7,005,123	8,227,819	8,051,337	8,939,943	1,375,984	676,988	1,591,995	236,483	1.3	0.03
IPI00794087	RPL4	60S ribosomal protein L4, splice variant or isoform	612,318	733,563	699,222	825,223	133,849	134,635	134,229	149,531	1.3	0.05
IPI00790342	RPL6	60S ribosomal protein L6	4,868,204	5,569,204	4,865,278	6,188,032	700,790	1,045,685	991,555	547,139	1.3	0.01
IPI00299573	RPL7A	60S ribosomal protein L7a	7,294,922	8,655,583	7,878,539	9,205,704	1,263,762	1,286,556	872,554	1,036,117	1.3	0.03
IPI00742191	RPS14	40S ribosomal protein S14	2,060,780	2,296,550	2,191,010	2,763,673	584,237	548,251	566,348	224,278	1.3	0.05
IPI00027463	S100A6	Protein S100-A6	352,396,740	408,845,530	430,184,660	456,880,880	73,141,486	52,001,898	68,409,487	30,341,151	1.3	0.02
IPI00305152	SEC31A	Protein transport protein Sec31A, isoform 3	448,537	462,381	538,414	584,189	65,824	58,764	127,411	70,551	1.3	0.01
IPI00852953	SELENBP1	Selenium binding protein 1	202,713	230,998	211,160	264,704	27,600	24,683	24,866	36,779	1.3	0.02
IPI01011716	SELENBP1	Selenium binding protein 1, splice variant or isoform	4,219,697	4,582,125	4,151,630	5,403,088	946,688	401,291	895,801	646,661	1.3	0.05
IPI00031608	SPATA5L1	Spermatogenesis-associated protein 5-like protein 1, isoform 1	1,762,025	1,826,815	1,631,320	2,223,605	318,867	312,350	274,481	210,107	1.3	0.03
IPI00013930	STX6	Syntaxin-6	906,141	968,680	1,130,305	1,214,940	242,908	134,310	273,454	179,156	1.3	0.05
IPI00293162	SUGP2	SURP and G-patch domain-containing protein 2, isoform 3	205,029	208,189	254,890	261,952	30,475	32,890	40,048	31,345	1.3	0.02
IPI00299149	SUMO2	Small ubiquitin-related modifier 2	1,946,282	2,070,592	2,228,755	2,442,943	364,885	238,444	537,985	318,707	1.3	0.05
IPI00218132	TBL1X	F-box-like/WD repeat-containing protein TBL1X, isoform 2	792,416	902,604	825,236	1,002,567	162,153	135,517	200,170	103,950	1.3	0.04
IPI00027977	TMPRSS3	Transmembrane protease serine 3, isoform 5	4,817,100	5,460,400	5,176,980	6,078,250	989,859	558,911	765,970	422,653	1.3	0.03
IPI00847646	TNKS1BP1	182 kDa tankyrase-1-binding protein, isoform 2	7,809,910	8,605,923	8,202,658	9,972,053	1,653,000	919,326	1,788,866	901,470	1.3	0.03
IPI00007836	TRPC5	Short transient receptor potential channel 5	2,070,810	2,105,780	2,318,380	2,639,540	449,704	477,050	541,828	130,063	1.3	0.05
IPI00979268	TXNRD1	Thioredoxin reductase 1, cytoplasmic	491,509	533,829	574,786	652,428	118,225	97,333	57,857	95,136	1.3	0.05
IPI00000684	UAP1	UDP-N-acetylhexosamine pyrophosphorylase, isoform AGX2	2,860,183	3,174,453	2,957,820	3,693,053	670,976	281,844	654,084	279,619	1.3	0.03
IPI00028957	UBE4A	Ubiquitin conjugation factor E4 A, isoform 2	1,171,238	1,258,403	1,192,075	1,496,690	197,594	135,134	250,382	85,875	1.3	0.01
IPI00984968	UBQLN4	Ubiquilin-4	1,078,997	926,220	1,203,866	1,393,059	257,500	392,105	321,042	149,774	1.3	0.05

IPI00019276	UBXN6	UBX domain-containing protein 6, isoform 1	2,418,820	2,490,570	2,628,880	3,166,270	390,086	546,956	797,886	539,215	1.3	0.04
IPI00008445	URM1	Ubiquitin-related modifier 1 homolog, isoform 1	1,428,487	1,677,437	1,607,960	1,849,677	277,745	134,107	401,256	131,927	1.3	0.02
IPI00030915	USP8	Ubiquitin carboxyl-terminal hydrolase 8	169,208	180,158	188,999	223,284	41,342	28,620	49,525	25,625	1.3	0.04
IPI00909711	VCL	Vinculin	1,236,659	1,399,341	1,591,012	1,572,082	143,179	122,595	590,497	193,007	1.3	0.01
IPI00956475	VTN	Vitronectin, splice variant or isoform	3,978,030	4,598,210	4,078,505	5,308,200	650,636	809,138	547,933	757,693	1.3	0.02
IPI00976656	WASF2	Wiskott-Aldrich syndrome protein family member 2, isoform 2	1,576,098	2,021,761	1,607,790	2,043,618	265,021	463,287	406,831	356,870	1.3	0.05
IPI00019269	WDR61	WD repeat-containing protein 61, splice variant or isoform	3,571,601	3,930,250	4,041,398	4,558,827	714,518	594,503	863,875	298,370	1.3	0.02
IPI00216319	YWHAH	14-3-3 protein eta	12,187,990	13,744,520	13,513,969	15,800,570	2,758,873	1,476,950	2,341,443	2,103,507	1.3	0.05
IPI00019376	SEPT11	Septin-11, isoform 2	10,212,164	11,540,597	10,316,110	12,277,852	1,776,701	1,011,669	1,553,084	835,125	1.2	0.05
IPI00217751	NAGL1	Sodium-dependent glucose transporter 1	25,463,800	25,544,600	22,951,300	30,955,600	4,258,879	1,923,426	7,318,633	2,550,445	1.2	0.04
IPI01011965	ACO1	Iron regulatory protein 1	16,389,412	16,586,202	17,674,897	19,921,183	3,133,986	1,042,603	3,644,045	1,388,753	1.2	0.05
IPI00020530	ACOT13	Acyl-coenzyme A thioesterase 13	5,710,050	5,938,325	5,802,950	6,843,770	887,352	642,007	916,034	608,233	1.2	0.05
IPI01013413	ACTR3	Actin-like protein 3, splice variant or isoform	2,349,087	2,641,455	2,623,612	2,874,692	350,103	355,497	239,600	227,684	1.2	0.02
IPI01012480	ACTR3	Actin-like protein 3	2,456,194	2,744,996	2,722,400	3,012,517	367,400	351,078	259,365	259,127	1.2	0.02
IPI00030706	AHSA1	Activator of 90 kDa heat shock protein ATPase homolog 1	8,794,857	9,775,085	9,298,640	10,436,276	1,154,950	865,095	1,044,956	918,142	1.2	0.04
IPI00105407	AKR1B10	Aldo-keto reductase family 1 member B10	90,710,940	100,419,105	87,664,314	107,631,367	10,576,669	12,097,496	13,396,435	8,158,419	1.2	0.02
IPI00642560	AKR1C1	Aldo-keto reductase family 1 member C1	2,189,733	2,324,463	2,272,010	2,701,812	336,058	292,773	265,134	289,941	1.2	0.03
IPI00100559	AP1S1	AP-1 complex subunit sigma-1A, isoform 2	5,152,487	5,082,141	5,109,479	6,149,698	782,270	542,427	718,011	604,914	1.2	0.05
IPI00017891	APC2	Adenomatous polyposis coli protein 2, isoform 2	3,410,198	3,970,085	3,428,438	4,174,243	652,561	334,878	295,712	297,996	1.2	0.04
IPI00926864	APEH	Acylamino-acid-releasing enzyme	1,460,041	1,528,386	1,593,579	1,731,872	207,689	137,180	143,804	123,673	1.2	0.04
IPI00337741	APEH	Acylamino-acid-releasing enzyme, splice variant or isoform	13,637,061	14,630,686	14,225,114	16,817,372	2,933,422	1,350,557	2,903,821	1,175,856	1.2	0.05
IPI00792538	APEX1	DNA-(apurinic or pyrimidinic site) lyase	7,526,257	7,748,043	7,653,550	8,746,720	1,105,677	725,328	1,193,401	484,410	1.2	0.05
IPI00179326	BAIAP2L1	Brain-specific angiogenesis inhibitor 1-associated protein 2-like protein	6,953,610	8,264,045	8,969,630	8,351,179	828,656	991,997	650,029	629,725	1.2	0.02
IPI00028392	C1orf116	Specifically androgen-regulated gene protein, isoform 1	4,798,235	4,974,299	5,008,545	5,882,590	602,907	913,219	893,169	708,859	1.2	0.03
IPI00796630	C1QB	Complement component 1 Q subcomponent-binding protein, mitochondria	2,048,093	2,137,097	2,103,123	2,362,557	224,563	239,027	353,291	214,412	1.2	0.05
IPI00920959	C2orf81	HCG40743	23,187,700	24,103,000	23,356,000	27,612,300	3,240,285	2,660,703	4,045,957	2,621,516	1.2	0.04
IPI00395627	CACVBP	Calcylin-binding protein, isoform 1	13,054,354	14,819,960	13,379,727	16,205,340	1,928,249	1,578,829	2,823,812	1,858,915	1.2	0.03
IPI00020599	CALR	Calreticulin	105,641,785	110,473,952	107,055,336	125,104,006	17,161,135	10,459,406	19,078,835	8,332,472	1.2	0.05
IPI00964308	CANX	Calnexin, splice variant or isoform	4,670,625	4,967,906	5,089,554	5,701,979	790,694	648,886	874,321	499,859	1.2	0.04
IPI00020984	CANX	Calnexin, splice variant or isoform	20,692,710	23,210,866	22,630,747	24,855,900	3,763,849	3,607,439	5,072,148	1,625,444	1.2	0.05
IPI00008274	CAP1	Adenylyl cyclase-associated protein 1, isoform 1	17,142,496	17,879,626	18,489,005	20,305,295	1,720,211	325,606	2,332,929	1,365,072	1.2	0.01
IPI00446140	CAPN2	Calpain 2, large	252,871	229,555	272,396	308,661	47,343	49,890	48,427	28,799	1.2	0.05
IPI00908400	CAPZA2	F-actin capping protein alpha-2 subunit	3,855,698	3,808,782	4,111,892	4,466,083	455,071	272,120	722,572	205,642	1.2	0.03
IPI00026185	CAPZB	F-actin-capping protein subunit beta, isoform 1	11,651,369	11,892,177	11,217,532	13,978,073	1,671,516	1,014,021	1,732,558	501,194	1.2	0.03
IPI00903103	CAPZB	Capping protein (Actin filament) muscle Z-line, beta	4,763,056	4,845,759	4,724,410	5,631,197	552,230	736,746	541,989	321,608	1.2	0.02
IPI00982182	CCS	Copper chaperone for superoxide dismutase	880,543	995,207	880,053	1,078,350	122,607	223,724	230,987	24,024	1.2	0.02
IPI00302927	CCT4	T-complex protein 1 subunit delta	16,090,961	18,396,470	18,006,171	19,290,217	2,607,472	2,309,426	3,501,671	972,258	1.2	0.05
IPI00016786	CDC42	Cell division control protein 42 homolog, isoform 2	22,801,083	24,754,621	24,248,445	27,058,853	3,115,522	1,509,208	4,763,377	1,630,626	1.2	0.03
IPI00301869	CDHR5	Cadherin-related family member 5, isoform 2	5,256,283	5,892,560	5,536,942	6,262,522	889,340	1,068,098	1,202,112	413,592	1.2	0.05
IPI00953536	CDHR5	Cadherin-related family member 5	3,802,950	4,210,850	4,068,375	4,590,375	533,856	626,066	902,541	493,983	1.2	0.04
IPI00978796	CFL1	Cofilin-1	16,083,676	16,790,003	15,963,005	19,251,007	2,668,975	1,630,003	3,096,519	1,533,907	1.2	0.05
IPI00295857	COPA	Coatomer subunit alpha, isoform 1	10,793,390	11,209,515	12,000,125	12,805,925	1,661,658	738,698	2,021,654	1,002,751	1.2	0.05
IPI00966084	COPS4	COP9 signalosome complex subunit 4	4,708,702	5,193,946	5,401,537	5,873,219	917,713	819,116	839,933	424,161	1.2	0.03
IPI00018452	CPNE1	Copine-1	3,852,281	4,347,198	3,903,691	4,686,172	446,984	335,602	590,364	504,561	1.2	0.02
IPI00176698	CYCS	Cytochrome c	643,627	751,640	731,447	772,627	104,197	120,457	181,192	47,496	1.2	0.04
IPI00000760	DDAH2	N(G),N(G)-dimethylarginine dimethylaminohydrolase 2	3,687,000	4,080,510	3,945,200	4,436,830	430,051	397,770	856,686	547,298	1.2	0.04
IPI00017617	DDX5	ATP-dependent RNA helicase DDX5	15,292,422	16,338,093	15,440,918	18,572,896	2,830,277	2,041,464	2,938,646	1,436,489	1.2	0.05
IPI00396435	DHX15	Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	16,512,734	17,068,271	17,772,756	20,526,238	1,976,513	2,136,528	2,464,190	1,151,915	1.2	0.004
IPI00926319	DLD	Dihydrolipoyl dehydrogenase, mitochondrial	3,833,550	4,116,167	3,911,398	4,610,288	575,200	317,672	773,424	461,326	1.2	0.05
IPI00015947	DNAJB1	DnaJ homolog subfamily B member 1	7,634,020	7,515,310	7,590,210	8,891,075	966,749	981,840	1,329,708	706,393	1.2	0.05
IPI00235412	DNM1L	Dynamin-1-like protein	1,420,139	1,383,083	1,445,651	1,702,694	126,418	110,929	234,128	158,324	1.2	0.01
IPI00556437	DNM2	Dynamin 2, isoform 4 variant	1,651,963	1,740,904	1,748,361	2,032,299	251,336	157,567	213,797	61,065	1.2	0.03
IPI00221332	DNM3	Dynamin-3, isoform 1	578,294	585,981	577,931	671,669	81,098	47,895	151,687	43,383	1.2	0.05
IPI00011898	EIF2B5	Translation initiation factor eIF-2B subunit epsilon	2,397,165	2,618,955	2,603,135	2,975,435	432,019	395,177	311,923	319,930	1.2	0.04
IPI00015952	EIF4G2	Eukaryotic translation initiation factor 4 gamma 2, splice variant or isoform	1,910,625	2,101,935	2,149,497	2,355,393	233,688	253,104	287,335	311,305	1.2	0.03
IPI00902463	ESYT1	Extended synaptotagmin-1	3,266,387	3,951,703	3,325,443	3,967,840	440,805	561,429	746,169	481,075	1.2	0.04
IPI00010810	ETFA	Electron transfer flavoprotein subunit alpha, mitochondrial	15,563,932	16,515,967	15,652,233	18,869,508	3,041,005	1,461,224	2,609,186	1,238,795	1.2	0.05
IPI01015096	FAM129B	Niban-like protein 1	1,808,946	1,979,642	1,748,629	2,192,605	322,156	242,161	542,896	187,900	1.2	0.05
IPI00908715	FDFT1	Squalene synthetase	2,289,848	2,410,497	2,440,173	2,811,615	346,247	342,975	447,297	330,772	1.2	0.04

IPI00030229	GALE	UDP-glucose 4-epimerase	6,870,419	7,493,092	7,053,961	8,334,200	1,062,013	677,079	665,478	648,003	1.2	0.03
IPI00553131	GALE	UDP-glucose 4-epimerase, splice variant or isoform	11,587,313	12,249,422	11,834,049	13,783,872	1,880,870	951,027	1,055,974	1,043,714	1.2	0.05
IPI00783097	GARS	Glycyl-tRNA synthetase	57,111,364	56,885,615	56,517,548	66,068,674	7,348,309	4,567,653	8,659,389	4,683,930	1.2	0.05
IPI00219025	GLRX	Glutaredoxin-1	8,636,047	9,115,460	9,388,907	10,569,369	1,687,009	960,886	1,489,134	707,406	1.2	0.05
IPI00030207	GMDS	GDP-mannose 4,6 dehydratase	3,833,779	3,791,785	3,782,521	4,557,045	317,820	502,524	862,222	286,120	1.2	0.005
IPI00909600	GOLGB1	Golgin subfamily B member 1 (Fragment)	1,850,345	2,206,290	2,021,950	2,287,355	206,147	157,250	429,640	83,995	1.2	0.002
IPI01011936	GSR	Glutathione reductase, mitochondrial	1,384,831	1,357,714	1,414,286	1,609,521	98,047	162,627	194,390	193,413	1.2	0.05
IPI00513927	GSTO1	Glutathione S-transferase omega-1 isoform 2	5,461,492	6,016,140	6,043,670	6,778,948	562,144	772,781	1,035,203	440,091	1.2	0.003
IPI00054042	GTF2I	General transcription factor II-I, isoform 1	8,173,103	8,824,458	8,693,043	9,671,395	1,054,694	1,021,604	1,185,679	560,854	1.2	0.02
IPI00220855	H2AFJ	Histone H2A.J, isoform 1	8,631,774	9,143,202	8,782,009	10,745,609	1,844,877	871,667	1,603,114	966,856	1.2	0.05
IPI00219037	H2AFX	Histone H2A.x	17,339,182	18,190,289	18,135,744	21,521,502	3,480,974	1,552,961	3,186,967	1,949,070	1.2	0.05
IPI00644697	HEBP2	Heme-binding protein 2, splice variant or isoform	5,895,210	6,171,830	5,773,610	6,918,120	618,055	577,927	1,067,124	357,650	1.2	0.01
IPI00003799	HEBP2	Heme-binding protein 2, isoform 2	4,916,285	5,094,580	4,845,145	5,782,070	580,218	492,632	1,024,734	391,720	1.2	0.02
IPI00513685	HEBP2	Heme-binding protein 2	978,925	1,077,250	928,465	1,136,050	78,921	174,952	57,142	70,143	1.2	0.01
IPI00220403	HIST1H2BB	Histone H2B type 1-B	3,824,112	3,600,489	3,983,699	4,755,146	370,152	363,287	304,981	439,855	1.2	0.007
IPI00028160	HMBS	Porphobilinogen deaminase, isoform 1	518,720	482,928	589,293	606,451	46,569	112,557	124,106	61,942	1.2	0.04
IPI00335009	HMCN2	Hemicentin-2, isoform 3	4,428,793	4,644,273	5,100,263	5,440,896	626,570	429,705	1,032,574	254,701	1.2	0.01
IPI00008934	HMGCS2	Hydroxymethylglutaryl-CoA synthase, mitochondrial, splice variant or i	14,378,995	14,389,070	14,339,290	17,498,765	2,504,551	991,944	2,868,614	1,328,246	1.2	0.04
IPI00956392	HMGCS2	Hydroxymethylglutaryl-CoA synthase, mitochondrial	13,393,400	13,221,750	13,386,500	16,378,400	2,388,062	890,841	2,618,698	1,305,455	1.2	0.04
IPI00879501	HNRNPA1L2	Heterogeneous nuclear ribonucleoprotein A1-like 2	1,557,922	1,583,267	1,633,252	1,820,219	170,167	203,440	269,194	130,582	1.2	0.03
IPI00218493	HPRT1	Hypoxanthine-guanine phosphoribosyltransferase, splice variant or iso	9,208,670	9,854,282	10,123,363	11,385,875	1,287,967	757,234	1,305,768	525,128	1.2	0.008
IPI00019912	HSD17B4	Peroxisomal multifunctional enzyme type 2	12,588,807	14,225,734	13,643,816	15,276,143	2,301,523	1,438,514	2,692,847	1,208,781	1.2	0.05
IPI01013542	HSD17B4	Peroxisomal multifunctional enzyme type 2, splice variant or isoform	10,400,509	11,701,192	10,892,996	12,564,437	1,943,217	1,125,439	2,087,462	843,738	1.2	0.05
IPI00011134	HSPA7	Heat shock 70 kDa protein 7	703,447	721,692	682,965	850,490	106,159	89,612	147,775	62,970	1.2	0.03
IPI00024284	HSPG2	Basement membrane-specific heparan sulfate proteoglycan core prote	6,223,203	6,812,840	7,238,867	7,517,110	904,516	922,605	595,693	769,175	1.2	0.04
IPI00910755	HSPH1	Heat-shock protein 105 kDa	12,612,815	13,138,131	13,728,351	15,628,785	1,870,236	1,334,702	2,802,564	895,070	1.2	0.01
IPI00908988	HSPH1	Heat-shock protein 105 kDa, splice variant or isoform	3,651,205	3,807,720	4,278,607	4,489,948	614,800	475,983	685,258	270,632	1.2	0.02
IPI00397820	KIF26B	Kinesin-like protein KIF26B, isoform 2	1,465,015	1,711,440	1,668,565	1,729,520	215,411	240,330	340,959	48,195	1.2	0.05
IPI00012837	KIF5B	Kinesin-1 heavy chain	66,288,757	69,471,391	69,512,013	76,918,531	8,660,528	5,411,569	8,327,383	2,843,618	1.2	0.05
IPI00009865	KRT10	Keratin, type I cytoskeletal 10	37,239,695	38,972,590	34,766,897	45,441,797	5,292,518	5,905,144	2,938,987	1,985,382	1.2	0.02
IPI00376379	KRT77	Keratin, type II cytoskeletal 1b	37,439,100	41,387,120	38,870,480	45,489,870	6,414,259	6,021,130	4,861,597	4,456,067	1.2	0.05
IPI00419237	LAP3	Cytosol aminopeptidase, isoform 1	17,719,059	19,183,529	18,120,785	21,370,214	2,654,940	1,775,524	2,950,136	1,469,896	1.2	0.03
IPI00008918	LIMA1	LIM domain and actin-binding protein 1, isoform beta	14,893,340	15,643,444	16,791,333	17,416,467	1,581,780	1,627,706	2,571,433	1,285,057	1.2	0.02
IPI00883896	LIMA1	LIM domain and actin-binding protein 1, isoform 4	18,493,170	19,392,864	20,234,853	21,675,997	1,782,179	2,158,472	2,932,621	1,339,599	1.2	0.01
IPI00220466	LIMA1	LIM domain and actin-binding protein 1, isoform 3	7,266,418	7,852,593	8,469,073	8,523,935	676,607	625,013	1,561,240	849,024	1.2	0.03
IPI00796705	LIMA1	LIM domain and actin-binding protein 1	13,649,230	14,379,569	15,312,303	15,966,262	1,204,836	1,430,163	2,741,251	1,039,962	1.2	0.01
IPI00790831	LMNB1	Lamin-B1	36,499,647	37,337,708	38,188,492	42,039,994	4,264,445	2,737,144	4,704,878	3,118,470	1.2	0.05
IPI00217975	LMNB1	Lamin-B1, splice variant or isoform	92,714,515	95,399,578	92,876,670	108,008,064	12,637,904	5,964,057	10,510,541	7,913,493	1.2	0.05
IPI00006207	LRRFIP1	Leucine-rich repeat flightless-interacting protein 1, isoform 2	1,964,859	2,081,191	2,402,051	2,350,525	159,588	315,270	248,608	329,975	1.2	0.05
IPI01014050	MMS19	MMS19 nucleotide excision repair homolog, splice variant or isoform	2,769,772	2,579,966	2,731,142	3,409,000	507,569	256,644	786,756	280,565	1.2	0.04
IPI00947554	MST4	Serine/threonine-protein kinase MST4	7,578,669	8,089,230	8,462,837	9,046,133	760,028	1,298,568	833,162	588,638	1.2	0.009
IPI00794900	MTHFD1	C-1-tetrahydrofolate synthase, cytoplasmic	55,140,515	59,057,235	55,777,681	68,478,600	11,802,219	6,158,568	9,374,951	5,923,942	1.2	0.05
IPI00798071	NAP1L4	Nucleosome assembly protein 1-like 4	4,303,547	4,214,841	4,591,018	4,985,561	467,767	493,675	434,104	378,850	1.2	0.04
IPI00980509	NAP1L4	Nucleosome assembly protein 1-like 4, splice variant or isoform	573,826	576,869	546,881	713,277	118,885	49,593	89,587	65,404	1.2	0.05
IPI00009253	NAPA	Alpha-soluble NSF attachment protein	28,648,482	32,844,796	30,143,276	34,995,462	2,678,969	1,720,208	4,968,127	3,240,753	1.2	0.01
IPI00022078	NDRG1	Protein NDRG1	19,820,101	21,934,352	21,515,133	24,255,539	3,648,974	2,174,759	3,644,701	813,475	1.2	0.05
IPI00020008	NEDD8	NEDD8	273,875	326,669	296,051	341,910	33,992	36,856	92,059	32,583	1.2	0.01
IPI00376904	NSFL1C	NSFL1 cofactor p47, isoform 4	9,078,240	9,755,443	9,074,554	11,040,227	1,589,419	665,021	1,670,081	965,864	1.2	0.05
IPI00443534	NSFL1C	NSFL1 cofactor p47	5,227,880	5,222,500	5,150,160	6,350,900	836,621	405,587	942,749	527,261	1.2	0.03
IPI00306369	NSUN2	tRNA (cytosine-5-)-methyltransferase NSUN2	9,822,456	10,088,118	10,461,110	11,959,896	963,742	510,689	1,171,450	808,086	1.2	0.005
IPI00009456	NTSE	5'-nucleotidase	4,592,177	4,901,708	5,409,863	5,353,040	600,151	697,930	474,744	337,392	1.2	0.04
IPI00984011	NUDT5	ADP-sugar pyrophosphatase	443,868	492,677	471,652	545,690	13,014	53,400	79,549	71,484	1.2	0.03
IPI00002349	NUFIP2	Nuclear fragile X mental retardation-interacting protein 2	7,268,140	7,335,920	8,417,360	8,631,250	791,352	595,670	1,612,849	968,392	1.2	0.04
IPI00006196	NUMA1	Nuclear mitotic apparatus protein 1, isoform 2	30,277,592	31,857,865	31,579,992	35,475,457	4,456,520	2,711,668	5,111,232	2,560,772	1.2	0.05
IPI01015783	NUMA1	Nuclear mitotic apparatus protein 1	1,731,335	1,776,614	1,711,532	2,000,326	156,385	142,407	311,496	191,542	1.2	0.04
IPI00397904	NUP93	Nuclear pore complex protein Nup93, splice variant or isoform	18,924,560	19,985,655	19,269,800	22,139,615	1,799,578	1,819,943	2,353,889	1,468,831	1.2	0.01
IPI00976543	PAFAH1B2	Platelet-activating factor acetylhydrolase IB subunit beta, isoform c	6,359,465	6,449,910	6,644,305	7,560,337	622,615	307,240	857,920	594,859	1.2	0.01
IPI00289746	PAK1	Serine/threonine-protein kinase PAK 1, isoform 2	6,593,510	7,163,030	6,834,643	7,784,773	860,230	787,817	859,976	416,667	1.2	0.02
IPI00985496	PAK1	Serine/threonine-protein kinase PAK 1, splice variant or isoform	2,341,907	2,465,028	2,555,549	2,788,429	274,907	343,251	399,042	55,259	1.2	0.02

IPI00977723	PAK1	Serine/threonine-protein kinase PAK 1, splice variant or isoform	5,720,577	6,142,917	5,877,903	6,837,826	804,759	638,484	848,594	238,559	1.2	0.03
IPI00827972	PARF	Putative GTP-binding protein Parf	1,650,152	1,721,505	1,650,367	2,021,771	175,111	228,107	138,458	290,852	1.2	0.04
IPI00964062	PARP8	Poly [ADP-ribose] polymerase 8	1,330,680	1,602,816	1,770,462	1,636,900	244,217	221,732	344,489	103,445	1.2	0.03
IPI00641498	PDZK1	Na(+)/H(+) exchange regulatory cofactor NHE-RF3	3,393,960	3,587,520	3,731,667	3,977,527	337,228	339,457	1,210,226	347,694	1.2	0.03
IPI00027252	PHB2	Prohibitin-2	8,039,751	8,869,174	8,525,210	9,930,978	1,316,729	492,744	1,485,530	779,961	1.2	0.02
IPI00797822	PHB2	Prohibitin-2, splice variant or isoform	8,028,761	8,873,629	8,192,785	9,830,398	1,448,674	498,098	1,260,324	589,695	1.2	0.03
IPI00216184	PICALM	Phosphatidylinositol-binding clathrin assembly protein, isoform 2	7,622,331	8,201,016	8,008,217	9,038,885	919,263	663,355	784,163	631,795	1.2	0.02
IPI00980475	PICALM	Phosphatidylinositol-binding clathrin assembly protein	4,184,611	4,806,331	4,480,317	5,052,413	617,405	305,956	664,075	299,455	1.2	0.02
IPI00922656	PIK3C2G	Phosphatidylinositol-4-phosphate 3-kinase C2 domain-containing gam	4,584,490	4,827,960	4,857,280	5,389,680	372,489	666,327	707,980	476,904	1.2	0.02
IPI01016003	PITRM1	Pitriylsin metallopeptidase 1	11,388,420	12,927,770	13,834,370	14,015,300	1,949,689	1,257,191	3,736,961	1,677,100	1.2	0.05
IPI00005264	PKP2	Plakophilin-2, isoform 2	2,524,837	2,573,958	2,707,808	3,022,307	292,479	452,927	268,108	372,680	1.2	0.05
IPI00181283	PLCB3	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-3 iso	424,172	463,166	496,458	518,422	74,014	30,964	125,094	52,769	1.2	0.05
IPI00306354	PLEKHA1	Pleckstrin homology domain-containing family A member 1	1,004,915	1,040,478	1,139,215	1,157,570	102,915	123,452	244,807	100,074	1.2	0.04
IPI00794787	POF1B	Protein POF1B, isoform 3, splice variant or isoform	4,639,830	5,058,300	5,132,243	5,764,377	278,073	681,657	657,676	515,287	1.2	0.003
IPI00103242	POF1B	Protein POF1B, isoform 1	10,226,755	11,130,725	11,165,783	12,690,022	1,487,871	1,147,558	1,256,878	1,334,100	1.2	0.02
IPI00219171	POU2F1	POU domain, class 2, transcription factor 1, isoform 2	185,220	226,871	205,272	220,415	22,648	38,687	40,914	13,399	1.2	0.02
IPI00003927	PPID	Peptidyl-prolyl cis-trans isomerase D	867,627	834,720	991,953	1,022,861	50,904	178,604	260,356	76,569	1.2	0.005
IPI00922647	PPL	Periplakin	2,935,850	2,926,060	2,977,965	3,574,865	539,668	324,490	512,831	226,716	1.2	0.04
IPI00027423	PPP1CA	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit, iso	4,233,860	4,423,630	4,582,383	5,137,484	688,285	177,886	927,360	354,615	1.2	0.03
IPI00218236	PPP1CB	Serine/threonine-protein phosphatase PP1-beta catalytic subunit	10,044,656	11,349,948	10,724,849	12,305,966	1,247,020	1,476,800	1,710,629	502,536	1.2	0.006
IPI00983167	PPP2CB	Serine/threonine-protein phosphatase 2A catalytic subunit beta, isofo	3,299,933	3,693,090	3,660,947	3,884,553	485,065	344,065	673,187	178,269	1.2	0.05
IPI00794777	PRDX2	Peroxiredoxin-2	14,307,727	15,327,343	15,669,127	17,078,250	2,304,710	514,558	1,677,757	1,146,002	1.2	0.04
IPI00027350	PRDX2	Peroxiredoxin-2, splice variant or isoform	36,776,107	38,821,978	38,521,016	43,146,660	5,697,439	2,511,926	4,636,998	2,490,547	1.2	0.05
IPI00217053	PRRC1	Protein PRRC1, isoform 3	3,100,777	3,172,668	3,157,249	3,707,180	500,556	267,377	724,574	219,436	1.2	0.04
IPI00788896	PSMB3	Proteasome subunit beta type-3, splice variant or isoform	3,330,393	3,847,490	4,041,917	4,070,420	603,013	542,837	596,991	356,636	1.2	0.05
IPI01015219	PSMC2	26S protease regulatory subunit 7	8,530,405	9,379,905	9,624,150	10,577,195	976,437	1,266,513	1,519,320	770,762	1.2	0.006
IPI00021435	PSMC2	26S protease regulatory subunit 7, splice variant or isoform	20,733,990	22,139,360	21,402,530	24,935,985	3,228,219	1,848,154	3,434,789	1,590,858	1.2	0.03
IPI00012268	PSMD2	26S proteasome non-ATPase regulatory subunit 2	14,292,600	15,613,408	15,189,080	17,276,145	2,348,932	577,172	2,028,823	841,949	1.2	0.04
IPI00022694	PSMD4	26S proteasome non-ATPase regulatory subunit 4, isoform Rpn10A	10,005,048	10,889,818	10,103,077	12,332,141	1,822,282	1,172,898	1,569,138	1,250,781	1.2	0.05
IPI00977375	PUF60	Poly(U)-binding-splicing factor PUF60	1,492,612	1,456,480	1,469,357	1,729,699	170,359	146,548	218,161	127,297	1.2	0.04
IPI00925046	QARS	Glutaminyl-tRNA synthetase	1,825,522	2,144,755	2,312,859	2,189,845	202,865	381,698	711,232	253,198	1.2	0.04
IPI00334174	RAB1A	Ras-related protein Rab-1A, isoform 2	3,245,190	3,302,735	3,971,671	3,940,029	597,101	658,928	735,953	285,430	1.2	0.05
IPI00011268	RALY	RNA-binding protein Raly	2,470,140	2,472,514	2,355,848	3,069,082	491,412	306,319	495,297	237,143	1.2	0.04
IPI00024320	RBM3	Putative RNA-binding protein 3	32,680,877	34,796,480	32,021,120	40,202,620	4,230,839	1,730,782	3,518,669	3,137,524	1.2	0.01
IPI00939558	RBMX	RNA-binding motif protein, X chromosome	24,710,136	26,442,392	26,828,931	30,508,982	4,424,294	3,336,899	3,607,627	2,956,401	1.2	0.04
IPI00304692	RBMX	Heterogeneous nuclear ribonucleoprotein G	29,871,431	32,225,742	32,675,431	36,705,548	4,889,008	3,491,767	4,348,475	3,268,624	1.2	0.03
IPI00978626	RCN1	Reticulocalbin-1	5,242,104	6,011,172	5,652,599	6,465,855	830,408	602,635	1,099,146	525,253	1.2	0.02
IPI00219153	RPL22	60S ribosomal protein L22	2,064,695	2,229,610	2,140,980	2,387,825	177,565	286,479	430,896	241,872	1.2	0.04
IPI00219155	RPL27	60S ribosomal protein L27	2,704,135	2,732,515	2,799,540	3,154,205	251,579	266,156	319,552	347,821	1.2	0.05
IPI00216237	RPL36	60S ribosomal protein L36	16,762,260	18,034,120	17,204,280	19,828,460	2,117,902	1,488,722	2,501,443	1,126,229	1.2	0.02
IPI00030179	RPL7	60S ribosomal protein L7	14,739,616	15,687,937	15,804,881	18,109,991	1,385,679	1,815,989	2,669,944	2,600,741	1.2	0.03
IPI00478896	RPL7A	Ribosomal protein L7a, splice variant or isoform	3,558,262	3,818,613	3,513,879	4,361,114	660,046	623,879	663,935	187,895	1.2	0.05
IPI00017448	RPS21	40S ribosomal protein S21	18,590,114	21,783,189	18,268,299	23,212,839	3,537,925	2,191,921	3,071,871	1,199,883	1.2	0.04
IPI00418813	RPS27A	Ribosomal protein S27a	1,277,264	1,314,633	1,332,432	1,530,477	214,578	79,005	192,887	115,005	1.2	0.05
IPI00419880	RPS3A	40S ribosomal protein S3a	10,613,239	11,169,855	10,375,861	12,389,128	1,245,599	975,270	1,094,162	720,544	1.2	0.02
IPI00062120	S100A16	Protein S100-A16	20,359,810	20,031,530	21,931,000	24,676,300	2,172,343	2,108,172	1,796,367	1,597,114	1.2	0.007
IPI00217766	SCARB2	Lysosome membrane protein 2	12,564,715	13,487,514	12,109,455	14,579,731	1,256,955	1,110,362	1,502,146	572,218	1.2	0.01
IPI00299086	SDCBP	Syntenin-1, isoform 1	1,309,026	1,403,548	1,389,461	1,543,811	162,988	185,172	266,516	162,159	1.2	0.05
IPI00106642	SDF2L1	Dihydropyrimidinase-like 2	9,164,044	9,604,049	10,243,038	11,121,418	1,433,227	447,255	1,329,857	660,388	1.2	0.02
IPI00852838	SELENBP1	Selenium binding protein 1, splice variant or isoform	1,687,083	1,766,910	1,794,673	2,009,817	275,328	213,420	220,580	113,036	1.2	0.04
IPI00386118	SF1	Splicing factor 1	312,293	260,212	317,723	380,367	49,055	71,353	77,535	38,689	1.2	0.04
IPI00221106	SF3B2	Splicing factor 3B subunit 2	18,312,855	18,991,007	18,984,320	22,297,123	2,968,611	2,208,957	3,326,953	1,395,063	1.2	0.03
IPI00221101	SI	Sucrase-isomaltase, intestinal	9,585,500	10,595,890	10,943,920	11,428,430	897,024	1,436,018	2,143,364	1,558,617	1.2	0.05
IPI00219420	SMC3	Structural maintenance of chromosomes protein 3	9,411,805	10,339,039	9,104,440	11,089,174	1,316,958	1,363,171	1,308,265	986,997	1.2	0.05
IPI00140420	SND1	Staphylococcal nuclease domain-containing protein 1, splice variant or	34,664,094	35,413,091	34,903,648	40,128,754	3,885,596	4,022,829	4,433,669	1,665,399	1.2	0.02
IPI00910438	SND1	Staphylococcal nuclease domain-containing protein 1, splice variant or	28,593,584	30,074,112	29,597,096	33,709,003	3,349,527	3,569,955	4,161,554	1,166,223	1.2	0.02
IPI00183274	SNX1	Sorting nexin-1 isoform c	9,434,735	10,703,383	9,622,318	11,154,413	1,392,859	883,152	1,679,273	660,067	1.2	0.04
IPI00414264	SRI	Sorcin, splice variant or isoform	19,699,401	20,617,462	21,775,063	23,912,201	2,976,236	1,199,167	2,165,654	1,976,403	1.2	0.03
IPI00027175	SRI	Sorcin, splice variant or isoform	19,785,460	20,685,730	21,863,937	24,015,587	3,002,427	1,202,290	2,192,935	1,977,818	1.2	0.03

IPI00216125	SRP9	Signal recognition particle 9 kDa protein isoform 1	1,549,657	2,155,080	2,190,563	1,903,720	267,162	249,192	639,975	203,267	1.2	0.05
IPI00215884	SRSF1	Serine/arginine-rich splicing factor 1, isoform ASF-1	18,193,910	19,246,890	18,731,256	21,840,572	2,722,690	1,195,125	2,353,494	1,224,863	1.2	0.03
IPI00012340	SRSF9	Serine/arginine-rich splicing factor 9	8,706,365	10,230,561	9,716,525	10,854,470	1,572,486	854,362	1,940,006	1,016,668	1.2	0.03
IPI01014618	STARD10	PCTP-like protein, splice variant or isoform	8,845,755	9,571,280	9,224,707	10,720,073	1,165,150	760,298	1,383,482	1,236,998	1.2	0.04
IPI00186008	STARD10	PCTP-like protein, splice variant or isoform	10,048,055	10,607,700	10,406,887	11,996,288	1,175,844	741,260	1,513,833	1,405,695	1.2	0.04
IPI01015270	STARD10	PCTP-like protein, splice variant or isoform	8,210,263	8,597,234	8,319,925	9,729,405	996,718	565,920	1,268,185	1,063,304	1.2	0.05
IPI00954850	STARD9	stAR-related lipid transfer protein 9	8,782,680	9,249,500	11,352,560	10,885,170	597,645	1,701,810	945,096	1,607,929	1.2	0.04
IPI00930562	SUB1	Activated RNA polymerase II transcription cofactor 4	2,592,120	2,601,995	2,365,755	3,097,165	353,465	488,255	321,110	245,737	1.2	0.03
IPI00239415	SYNE2	Nesprin-2	1,308,936	1,344,200	1,551,803	1,566,650	183,589	169,698	207,318	113,828	1.2	0.03
IPI00909626	TBCA	Tubulin-specific chaperone A	5,889,515	5,786,908	5,776,115	6,992,660	776,963	657,212	673,142	410,971	1.2	0.02
IPI00202873	TBL1Y	F-box-like/WD repeat-containing protein TBL1Y	247,891	271,242	231,548	294,587	29,454	70,012	44,551	33,354	1.2	0.05
IPI00549189	THOP1	Thimet oligopeptidase	5,711,960	6,490,720	5,884,190	7,028,870	688,883	900,223	1,088,840	297,534	1.2	0.004
IPI00908580	TM9SF4	Transmembrane 9 superfamily protein member 4	2,168,597	2,301,517	2,176,830	2,613,347	326,391	326,558	276,656	203,674	1.2	0.03
IPI00216134	TPM1	Tropomyosin alpha-1 chain, isoform 7	2,494,766	2,605,056	2,556,987	3,005,176	293,532	249,107	230,145	174,212	1.2	0.01
IPI00745267	TPM1	Tropomyosin alpha-1 chain, isoform 2	1,905,808	1,870,925	1,951,829	2,248,339	253,290	136,474	184,989	136,499	1.2	0.03
IPI00854592	TPM3	Tropomyosin 3	3,025,234	3,218,272	3,289,434	3,591,324	400,390	300,373	559,955	239,488	1.2	0.03
IPI00301503	TRA2B	Transformer-2 protein homolog beta, isoform 1	6,403,493	6,730,596	6,677,757	7,755,923	952,517	563,953	969,663	352,634	1.2	0.03
IPI00438230	TRIM28	Transcription intermediary factor 1-beta, isoform 2	38,143,790	39,384,506	37,022,863	44,842,228	3,983,353	2,932,109	4,944,604	4,218,147	1.2	0.03
IPI00018768	TSN	Translin	2,327,318	2,472,628	2,686,020	2,878,738	258,077	188,101	371,967	315,042	1.2	0.02
IPI00552768	TXN	Thioredoxin	31,985,990	35,131,210	34,580,476	37,897,828	4,513,361	3,086,704	4,983,447	2,355,343	1.2	0.03
IPI00797323	TXNDC17	Thioredoxin domain-containing protein 17	878,660	966,205	803,810	1,042,590	136,500	147,381	155,112	78,162	1.2	0.05
IPI00514154	UCHL3	Ubiquitin carboxyl-terminal hydrolase isozyme L	4,218,405	3,985,295	3,659,445	4,921,085	314,313	1,248,751	763,036	142,787	1.2	0.002
IPI00964927	UGDH	UDP-glucose 6-dehydrogenase, isoform 3	21,820,299	23,295,522	21,990,176	25,417,752	2,856,594	1,364,866	3,840,749	1,578,444	1.2	0.04
IPI00215861	USH1C	Harmonin, isoform 2	1,501,286	1,788,704	1,583,132	1,849,090	255,512	228,478	318,559	108,883	1.2	0.02
IPI00549343	VAMP3	Vesicle-associated membrane protein 3	8,914,590	9,474,870	9,449,800	10,673,910	1,488,003	1,162,722	1,370,449	601,104	1.2	0.04
IPI00006211	VAPB	Vesicle-associated membrane protein-associated protein B/C, isoform	2,316,372	2,620,341	2,422,747	2,790,004	307,525	297,565	397,304	341,096	1.2	0.05
IPI00184402	VAT1	Synaptic vesicle membrane protein VAT-1 homolog	1,061,185	1,197,800	1,137,005	1,286,358	200,595	158,218	191,905	96,671	1.2	0.05
IPI00295400	WARS	Tryptophanyl-tRNA synthetase, cytoplasmic, isoform 1	12,387,775	13,506,125	12,830,140	15,136,420	1,628,908	1,373,244	1,901,293	1,246,457	1.2	0.02
IPI00412737	WARS	Tryptophanyl-tRNA synthetase, cytoplasmic isoform b	8,370,595	8,878,215	8,769,360	10,020,990	1,096,716	1,291,881	1,451,227	1,037,380	1.2	0.04
IPI00903228	WDR20	WD repeat-containing protein 20	6,801,620	7,788,100	8,939,070	8,007,110	798,107	868,157	1,669,082	785,849	1.2	0.04
IPI00165434	YLPM1	YLP motif-containing protein 1, isoform 4	645,754	645,829	653,594	762,957	50,950	56,669	110,373	47,255	1.2	0.005
IPI00175079	-	Uncharacterized protein	6,792,530	6,510,730	6,945,210	7,778,730	852,627	441,199	664,162	480,501	1.1	0.05
IPI00169280	AKR7L	Aflatoxin B1 aldehyde reductase member 4, isoform 1	1,877,543	1,944,651	1,934,573	2,146,611	171,779	237,372	276,590	147,271	1.1	0.03
IPI00982009	AP2A2	Adapter-related protein complex 2 alpha-2 subunit	1,886,873	1,768,682	2,035,215	2,167,422	177,917	247,202	300,283	176,297	1.1	0.04
IPI00186946	COL25A1	Collagen alpha-1(XXV) chain, isoform 1	677,404	728,006	780,400	766,508	41,628	46,263	158,823	77,724	1.1	0.05
IPI00604566	DFFA	DNA fragmentation factor subunit alpha, isoform DFF35	3,902,936	4,042,120	4,327,095	4,213,555	145,277	259,962	431,633	153,265	1.1	0.01
IPI00038378	ENOPH1	Enolase-phosphatase E1, isoform 1	1,159,793	1,246,913	1,497,390	1,328,037	100,797	336,035	206,150	100,536	1.1	0.03
IPI00022143	ESYT1	Extended synaptotagmin-1, isoform 1	5,335,292	6,126,168	5,439,788	6,124,905	490,856	505,894	842,811	506,160	1.1	0.04
IPI00794573	GSR	Glutathione reductase, mitochondrial, splice variant or isoform	1,832,165	1,835,943	1,928,809	2,099,860	137,576	146,490	190,422	198,328	1.1	0.04
IPI00953696	GSR	Glutathione reductase, mitochondrial, isoform 4	9,515,285	9,496,659	9,276,141	10,865,942	1,071,779	862,239	944,426	775,108	1.1	0.05
IPI00008475	HMGCS1	Hydroxymethylglutaryl-CoA synthase, cytoplasmic	19,145,045	20,508,617	19,692,580	21,854,415	1,880,930	1,036,908	2,427,723	1,838,669	1.1	0.05
IPI01010895	HSPA4	Heat shock 70 kDa protein 4	15,388,345	16,360,790	16,120,340	17,505,325	1,537,059	474,620	2,360,972	1,201,494	1.1	0.04
IPI00909299	KIF5B	Kinesin heavy chain	8,031,952	7,652,637	8,518,890	8,917,633	624,029	616,642	426,989	502,723	1.1	0.04
IPI00827967	PARF	GTP-binding protein Parf, isoform 2	3,124,062	3,404,615	3,544,560	3,581,181	298,712	279,679	382,893	286,675	1.1	0.04
IPI01009353	PGD	6-phosphogluconate dehydrogenase, decarboxylating	8,648,019	9,043,201	9,198,225	9,910,266	1,090,197	1,094,837	1,314,120	559,201	1.1	0.05
IPI00984629	PKP3	Plakophilin-3, splice variant or isoform	9,776,407	10,685,250	9,714,470	11,112,183	1,092,797	1,031,322	1,223,831	621,460	1.1	0.04
IPI00868717	PRRC1	Protein PRRC1, isoform 4	2,466,762	2,449,355	2,451,777	2,827,940	313,457	302,985	373,670	133,493	1.1	0.05
IPI00171199	PSMA3	Proteasome subunit alpha type-3, isoform 2	5,300,015	5,763,315	5,135,095	6,026,710	399,081	357,663	809,896	342,157	1.1	0.01
IPI00788942	RUVBL1	RuvB-like 1, isoform 2	1,017,675,425	1,094,301,655	1,062,111,405	1,097,480,705	37,107,235	21,401,489	53,743,973	55,453,314	1.1	0.03
IPI00021187	RUVBL1	RuvB-like 1, isoform 1	1,037,672,235	1,112,875,465	1,084,131,090	1,119,546,130	34,313,921	24,055,727	58,424,329	55,788,786	1.1	0.02
IPI00910487	SERPINH1	Serpin H1 (collagen-binding protein 2)	14,490,395	14,402,974	15,530,133	15,949,060	473,044	851,289	1,168,213	1,010,741	1.1	0.02
IPI00917386	SSB	Lupus La protein	2,461,690	2,509,816	2,503,488	2,729,986	159,240	170,461	438,116	178,693	1.1	0.04
IPI00026328	TXNDC12	Thioredoxin domain-containing protein 12	21,870,370	23,528,120	21,841,990	24,231,220	2,035,529	1,371,493	2,932,049	1,120,051	1.1	0.05
IPI00646689	TXNDC17	Thioredoxin domain-containing protein 17, splice variant or isoform	4,535,439	4,807,255	4,671,208	5,083,942	449,344	348,352	712,545	224,830	1.1	0.04
IPI00029019	UBAP2L	Ubiquitin-associated protein 2-like, isoform 2	8,151,325	8,699,354	8,153,764	9,257,556	756,580	457,241	1,193,772	378,685	1.1	0.02
IPI00893487	VARS	Valyl-tRNA synthetase	450,027	474,799	467,707	515,303	48,449	40,280	47,948	35,365	1.1	0.04
IPI00879792	CYBSR3	Cytochrome b5 reductase 3	1,747,740	1,657,068	1,775,358	1,549,320	153,448	108,063	212,601	101,856	-1.1	0.04
IPI00910220	ASNA1	Arsenical pump-driving ATPase	1,633,570	1,414,535	1,710,910	1,318,595	177,518	220,548	316,839	163,962	-1.2	0.02
IPI00290085	CDH2	Cadherin-2	2,913,540	2,698,565	2,997,730	2,522,150	273,293	424,997	238,360	228,705	-1.2	0.04

IPI00103146	PDLIM5	PDZ and LIM domain protein 5, isoform 3	2,382,375	2,114,013	2,346,475	1,948,700	203,858	398,889	328,070	205,183	-1.2	0.01
IPI00007935	PDLIM5	PDZ and LIM domain protein 5, isoform 1	4,846,642	4,458,863	4,764,475	4,156,000	265,702	331,580	404,064	249,623	-1.2	0.003
IPI00181265	CCDC120	Coiled-coil domain-containing protein 120	1,284,453	975,378	1,262,598	998,423	176,919	163,713	147,041	160,019	-1.3	0.03
IPI00410110	DHX40	ATP-dependent RNA helicase DHX40, isoform 1	316,200	260,572	316,003	245,278	33,552	55,160	95,354	54,564	-1.3	0.04
IPI00550364	PGM2	Phosphoglucomutase-2	2,690,850	1,973,080	2,752,345	2,022,460	409,120	472,895	875,150	346,758	-1.3	0.02
IPI00014958	PON2	Serum paraoxonase/arylesterase 2, isoform 1	922,972	754,042	886,480	699,460	139,554	107,819	50,099	110,104	-1.3	0.02
IPI00789296	SRP14	Signal recognition particle 14 kDa protein	31,569,700	24,049,300	32,100,400	23,331,100	3,358,725	5,044,425	6,060,319	2,690,227	-1.4	0.003
IPI00872250	PDZK1P1	Putative PDZ domain-containing protein 1P	1,002,830	689,265	1,161,155	667,728	237,202	198,304	429,933	175,589	-1.5	0.03