

**Table S1 The sequences of qPCR primer pairs**

<b>Gene</b>	<b>Forward primer(5'-&gt;3')</b>	<b>Reverse primer(5'-&gt;3')</b>
FN1	AGTGCATCTGCACAGGCAACGG	TCAGCCACTGCATCCCCACAGA
ICAM-1	CACGCCTCCCTGAACCTATC	CAGGTACCATGGCCCCAAAT
TJP1	GCACAGTTTGGCACAGCCTCCT	AGCACGCCCCCATTGCTGTT
TJP2	ATGAGAGGGTTTTGCTGCGA	TCCACAGCTTTCGGAGTCAC
CDH1	AAGCCCCCATCTTTGTGCCTCCT	TCCAGCCAGTTGGCAGTGTCTCT
Vimentin	CCAAGAACCTGCAGGAGGCAGAAG	GCATCTGGCGTTCCAGGGACTCAT
JunB	CCATCAGCTACCTCCCACAC	GTCTGCGGTTCCCTCCTTGAA
c-Jun	GTGCCGAAAAAGGAAGCTGG	CTGCGTTAGCATGAGTTGGC
c-Fos	CCGAGCTGGTGCATTACAGA	CGCACAGATAAGGTCCTCCC
Zeb1	GCACACCAGAAGCCAGTGGTCA	GCAAAGGTGTAAGTGCACAGGGAGC
Snail	TACAAGGCCATGTCCGGACCCA	TGTGGAGCAGGGACATTCGGGA
Slug	TGCGGCAAGGCGTTTTCCAGA	CAGTGTGCTACACAGCAGCCAGA
Twist1	GCCGGAGACCTAGATGTCATT	TTTTAAAAGTGCGCCCCACG
MMP2	GCCCTGATGGCACCCATTTA	GATCTCAGGAGTGACAGGGC
MMP14	ATCTGCCTCTGCCTCACCTA	AAGCCCCATCCAAGGCTAAC
MMP19	GGGTGGGGGTAGTTTAAGCC	CAGCTTGCCTCACAGTGGTA
GAPDH	ATGGGGAAGGTGAAGGTCGGAGT	TGACAAGCTTCCCGTTCTCAGCC

**Table S2 Differentially expression genes (DEGs) in IL6/C918 cells versus C918 cells**

gene_id	Symbol	Entrez_id	C918 #1	C918 #2	IL6/C918 #1	IL6/C918 #2	log2FC	PValue	FDR	Regulation
NM_001085	SERPINA3	12	2.02776	2.25183	117.639	120.644	5.56519	0	0	Up-regulated
NM_001291825	GRAP2	9402	0.0003177	0.000302	6.28083	7.62044	5.25577	7.23E-62	8.17E-60	Up-regulated
NM_004833	AIM2	9447	0.250836	0.207759	20.3985	20.1423	4.88951	2.98E-67	3.87E-65	Up-regulated
NM_006169	NNMT	4837	0.60468	0.269653	22.9707	22.9399	4.73002	2.93E-74	4.48E-72	Up-regulated
NM_003955	SOCS3	9021	2.99	3.32664	60.0462	58.7474	4.14667	0	0	Up-regulated
NM_005195	CEBPD	1052	3.42622	4.74858	82.2204	81.4334	4.13664	3.02E-167	1.41E-164	Up-regulated
NM_014220	TM4SF1	4071	1.32586	1.16877	22.3916	25.0897	3.83361	3.07E-73	4.51E-71	Up-regulated
NM_152236	GAS2L1	10634	0.0035866	0.00136	3.99616	3.87222	3.7975	1.23E-27	5.46E-26	Up-regulated
NM_001184943	FAM219A	203259	0	0.061449	3.29529	3.09177	3.70087	1.43E-27	6.33E-26	Up-regulated
NM_001301128	MAGI2	9863	0.0004482	0.002866	1.26428	1.2644	3.66405	1.78E-25	7.10E-24	Up-regulated
NM_001301084	ARHGEF12	23365	0.0002805	0.000768	0.905141	1.7501	3.66094	7.46E-25	2.88E-23	Up-regulated
NM_001321856	JAK1	3716	0.0017069	0.006817	4.16485	1.98557	3.65614	7.09E-25	2.75E-23	Up-regulated
NM_001321713	NCOA2	10499	0	0.000778	1.41032	0.950743	3.6151	1.77E-24	6.70E-23	Up-regulated
NM_001195098	ANKRD28	23243	0	0	1.39838	1.26038	3.59897	1.87E-24	7.04E-23	Up-regulated
NM_006074	TRIM22	10346	0.813342	0.850567	11.6648	11.4821	3.49954	1.47E-72	2.12E-70	Up-regulated
NM_004525	LRP2	4036	0.143807	0.135027	2.18236	1.864	3.49568	7.68E-61	8.53E-59	Up-regulated
NM_001127223	CD59	966	0.302575	0.098339	5.08184	4.25502	3.48524	1.19E-30	5.80E-29	Up-regulated
NM_003378	VEGF	7425	300.201	301.621	3498.03	3247.66	3.47732	0	0	Up-regulated
NM_004976	KCNC1	3746	0.0902956	0.045823	2.05213	1.84896	3.46781	2.50E-28	1.14E-26	Up-regulated
NM_014826	CDC42BPA	8476	0.0005885	0.0005	0.703473	1.12304	3.45727	3.54E-22	1.16E-20	Up-regulated
NM_080657	RSAD2	91543	0.819206	0.724127	10.1714	9.64218	3.38774	1.17E-67	1.56E-65	Up-regulated
NM_001130845	BCL6	604	1.07057	1.18674	16.564	11.9337	3.31154	5.79E-55	5.82E-53	Up-regulated
NM_001260489	LSR	51599	0.0036489	0.000524	3.83682	3.30453	3.27246	6.70E-20	1.97E-18	Up-regulated
NM_001172436	PHKA1	5255	6.83E-05	0.000129	1.07323	1.63403	3.22797	2.99E-19	8.45E-18	Up-regulated
NM_001098213	HRH1	3269	0	0	1.60283	1.44875	3.1938	6.29E-19	1.72E-17	Up-regulated
NM_001322254	JMJD1C	221037	0.189546	0.181071	3.77787	2.15179	3.13746	1.52E-26	6.47E-25	Up-regulated
NM_002928	RGS16	6004	10.4975	12.3734	96.7656	99.3381	3.0636	5.10E-279	3.75E-276	Up-regulated
NM_001134473	GSE1	23199	0.000863	0.00027	1.00149	0.802273	3.04028	4.15E-17	1.01E-15	Up-regulated
NM_001292022	TAP1	6890	0.0551109	0.000881	4.09402	13.0896	3.0244	8.90E-17	2.12E-15	Up-regulated
NM_004120	GBP2	2634	1.63968	1.44719	13.4097	13.0795	2.98027	1.87E-94	3.73E-92	Up-regulated
NM_213646	WARS	7453	3.41546	3.66193	29.6732	27.467	2.92348	3.59E-118	9.39E-116	Up-regulated
NM_001323356	PTPRE	5791	0.12269	0.059812	1.67037	1.99931	2.88464	8.18E-18	2.09E-16	Up-regulated
NM_000170	GLDC	2731	8.16609	7.09583	57.2201	57.2043	2.87798	2.11E-286	1.61E-283	Up-regulated
NM_153215	LSMEM2	132228	0.0771271	0.0773	4.57326	5.94808	2.87447	8.55E-16	1.92E-14	Up-regulated
NM_001111309	PDE4A	5141	0.0088132	0.001092	1.39072	3.78028	2.82764	8.67E-15	1.81E-13	Up-regulated
NM_007021	C10orf10	11067	1.5579	1.62621	12.8252	14.903	2.82335	5.17E-40	3.43E-38	Up-regulated
NM_005178	BCL3	602	3.88387	4.53991	31.4696	31.9127	2.79908	6.38E-85	1.12E-82	Up-regulated
NM_001145057	IL18BP	10068	0.118597	0	5.38097	5.37257	2.7858	1.35E-14	2.79E-13	Up-regulated
NM_017745	BCOR	54880	0.0099283	0.001111	0.80041	1.07611	2.74627	4.16E-14	8.28E-13	Up-regulated
NM_001306129	FN1	2335	4.0994	4.29025	26.378	30.7179	2.72306	2.02E-179	1.14E-176	Up-regulated
NM_005978	S100A2	6273	5.60536	4.57416	38.2524	40.122	2.71058	1.47E-42	1.06E-40	Up-regulated
NM_003004	SECTM1	6398	0.120393	0.124576	3.37587	2.94341	2.69389	1.54E-14	3.15E-13	Up-regulated
NM_001347423	M_00134742	NA	92.411	94.4677	593.16	599.536	2.67522	0	0	Up-regulated
NM_018689	CEMIP	57214	48.9473	50.8838	320.655	309.952	2.65726	0	0	Up-regulated
NM_002053	GBP1	2633	1.21697	1.52872	9.87331	9.84956	2.628	1.79E-41	1.26E-39	Up-regulated
NM_000963	PTGS2	5743	2.06996	2.17338	13.3119	13.8773	2.59804	7.08E-94	1.39E-91	Up-regulated
NM_003999	OSMR	9180	2.76293	3.14836	17.3804	19.5131	2.57702	1.85E-107	4.30E-105	Up-regulated
NM_005746	NAMPT	10135	61.0779	58.5887	343.852	368.683	2.56799	0	0	Up-regulated
NM_001322117	PDP1	55066	0.0012197	0.002146	1.59839	0.525833	2.53895	3.57E-12	5.91E-11	Up-regulated
NM_030641	APOL6	80830	1.54187	1.4872	8.87647	9.00224	2.51929	1.10E-145	4.29E-143	Up-regulated
NM_198571	atative)(NAT	375607	2.26755	2.57102	15.4535	14.2771	2.49633	6.09E-56	6.23E-54	Up-regulated
NM_057166	COL6A3	1293	0.414233	0.462242	2.65957	3.05224	2.47787	7.57E-34	4.16E-32	Up-regulated
NM_016489	NTSC3A	51251	0.721417	0.228257	6.53656	7.64477	2.4722	9.41E-13	1.64E-11	Up-regulated
NM_024699	ZFAND1	79752	0.0275113	0.046938	2.99772	2.17326	2.43313	2.39E-11	3.71E-10	Up-regulated
NM_001712	CEACAM1	634	4.20947	4.1213	23.0233	23.0429	2.41989	1.63E-118	4.33E-116	Up-regulated
NM_057167	COL6A3	1293	0.133672	0.164997	1.41002	1.07519	2.41911	1.14E-16	2.70E-15	Up-regulated
NM_020223	FAM20C	56975	5.15429	4.86396	28.0967	27.1531	2.41068	2.95E-104	6.56E-102	Up-regulated
NM_002960	S100A3	6274	39.9551	37.596	211.696	209.049	2.40708	7.21E-146	2.87E-143	Up-regulated
NM_006931	SLC2A3	6515	19.2745	18.8067	102.01	99.8102	2.40006	0	0	Up-regulated
NM_000641	IL11	3589	0.516869	0.855699	5.91853	5.51637	2.39119	5.05E-16	1.14E-14	Up-regulated
NM_003661	APOL1	8542	1.63166	1.38115	9.63299	8.7542	2.38705	3.51E-32	1.84E-30	Up-regulated
NM_004184	WARS	7453	25.6161	25.8822	130.842	138.309	2.377	0	0	Up-regulated
NM_015444	udogene)(TM	25907	24.0267	25.3653	128.989	129.657	2.37615	1.66E-292	1.38E-289	Up-regulated
NM_002026	FN1	2335	41.7256	43.0937	227.748	210.595	2.36347	0	0	Up-regulated
NM_213645	WARS	7453	15.5483	13.8519	73.6654	77.6991	2.33905	1.15E-174	6.30E-172	Up-regulated
NM_002198	IRF1	3659	2.18709	2.2509	12.401	11.5728	2.33211	5.07E-55	5.13E-53	Up-regulated
NM_212482	FN1	2335	11.1476	11.0575	53.5803	57.3801	2.31316	0	0	Up-regulated
NM_001281988	SPOCD1	90853	2.69691	3.12034	15.6537	15.5502	2.30246	8.13E-47	6.67E-45	Up-regulated
NM_203418	RCAN1	1827	5.30026	4.4921	24.4511	26.7821	2.30232	6.29E-63	7.61E-61	Up-regulated
NM_000112	SLC26A2	1836	16.2903	15.8488	77.4381	79.6605	2.28688	0	0	Up-regulated
NM_001204285	MUC1	4582	1.92953	1.92483	11.6019	10.92	2.28226	1.46E-24	5.55E-23	Up-regulated
NM_001144886	CITED1	4435	14.6647	12.1821	69.6002	69.0605	2.27281	1.38E-52	1.34E-50	Up-regulated
NM_001256443	PRRT2	112476	0.462007	0.749278	4.47334	4.14888	2.26969	4.51E-15	9.64E-14	Up-regulated
NR_047671	BANCR	1E+08	0.774097	0.51448	14.4288	11.1948	2.25865	3.56E-10	4.98E-09	Up-regulated
NM_000014	A2M	2	37.9604	35.8948	173.823	176.769	2.24544	0	0	Up-regulated
NM_001276276	MAZ	4150	0	0	2.51113	4.73906	2.2335	8.77E-10	1.17E-08	Up-regulated
NM_138456	BATF2	116071	2.5276	2.76308	14.4768	13.2696	2.23283	2.32E-33	1.26E-31	Up-regulated
NM_000271	NPC1	4864	37.5219	38.4417	176.326	178.296	2.22292	0	0	Up-regulated
NM_002229	JUNB	3726	51.3687	46.6961	233.12	227.415	2.22217	2.39E-298	2.28E-295	Up-regulated
NM_001144887	CITED1	4435	5.05666	2.12142	27.0181	30.1843	2.22044	2.33E-12	3.93E-11	Up-regulated
NM_001324119	CYFIP1	23191	0	0	2.57254	0.873198	2.2204	1.03E-09	1.36E-08	Up-regulated
NM_022779	DDX31	64794	0.0009182	0.004006	0.787488	1.82631	2.20845	1.29E-09	1.69E-08	Up-regulated

NM_032206	NLRC5	84166	1.85611	1.57932	8.47589	8.19426	2.2069	7.38E-63	8.82E-61	Up-regulated
NM_213599	ANO5	203859	0.48519	0.320715	4.73327	2.11573	2.20278	1.88E-11	2.94E-10	Up-regulated
NM_001040058	SPP1	6696	22.2276	20.8174	98.9278	101.521	2.19992	5.03E-174	2.67E-171	Up-regulated
NM_001303236	ISG20	3669	0.668544	0.293295	3.89162	3.8726	2.19446	8.13E-12	1.31E-10	Up-regulated
NM_080388	S100A16	140576	2.78287	2.43632	13.6749	19.0617	2.19016	1.08E-15	2.41E-14	Up-regulated
NM_003380	VIM	7431	1576.09	1535.02	6687.84	7410.27	2.18	5.74E-06	4.75E-05	Up-regulated
NR_015421	LOC154761	154761	2.86825	2.72909	13.516	13.8337	2.17776	2.67E-41	1.86E-39	Up-regulated
NM_003641	IFITM1	8519	60.3464	55.4484	289.825	246.018	2.16171	7.47E-80	1.24E-77	Up-regulated
NM_001306131	FN1	2335	4.07787	4.07683	17.5549	19.0632	2.1437	5.22E-150	2.26E-147	Up-regulated
NM_004428	EFNA1	1942	2.34751	2.4107	11.6933	14.0912	2.14258	1.94E-19	5.56E-18	Up-regulated
NM_001142312	TMEM169	92691	0.000152	0.000123	1.05808	2.41593	2.13896	3.93E-09	4.89E-08	Up-regulated
NM_003733	OASL	8638	2.63906	3.62578	14.7917	16.7075	2.13098	5.98E-25	2.32E-23	Up-regulated
NM_001034850	FAM134B	54463	2.64459	1.92318	10.7727	11.4078	2.12319	1.22E-29	5.82E-28	Up-regulated
NM_020704	STRIP2	57464	4.28303	4.08453	19.4315	17.9114	2.12175	2.04E-99	4.19E-97	Up-regulated
NM_001077195	ZNF436	80818	1.1436	1.04191	5.62529	5.03935	2.10335	1.73E-26	7.36E-25	Up-regulated
NM_001080423	GRIP2	80852	0.0323111	0.060142	0.681174	0.64209	2.09411	5.94E-09	7.25E-08	Up-regulated
NM_001303496	SAMD9L	219285	0.489297	0.171546	2.36943	2.90552	2.09341	3.08E-10	4.34E-09	Up-regulated
NM_002982	CCL2	6347	2.35038	2.16808	15.55	16.502	2.09071	3.60E-11	5.50E-10	Up-regulated
NM_001323507	OSMR	9180	0.373611	0.242033	3.4773	2.72	2.08722	1.79E-09	2.29E-08	Up-regulated
NM_015719	COL5A3	50509	9.93398	10.0833	42.7703	42.1111	2.07751	0	0	Up-regulated
NM_001330552	NLRC5	84166	1.17102	2.09376	8.35109	8.02204	2.06508	3.69E-19	1.03E-17	Up-regulated
NM_001308366	PGPEP1	54858	0.0001334	0.012802	1.02646	0.503236	2.05881	1.55E-08	1.79E-07	Up-regulated
NM_000593	TAP1	6890	32.0442	28.8459	132.818	122.547	2.05301	4.47E-172	2.25E-169	Up-regulated
NM_003650	CST7	8530	10.9282	10.6119	47.1519	47.5739	2.03799	4.48E-38	2.78E-36	Up-regulated
NM_001161780	PDP1	54704	2.74122	1.84049	9.6814	11.4051	2.01704	1.12E-22	3.78E-21	Up-regulated
NM_005985	SNAI1	6615	10.2832	9.63665	39.576	41.0086	2.0163	1.21E-08	1.12E-07	Up-regulated
NM_005935	AFF1	4299	0.0002197	0.000157	1.52856	0.366197	2.00661	2.67E-08	3.01E-07	Up-regulated
NM_144489	RGS3	5998	21.7984	23.5864	94.67	88.8671	1.99449	3.64E-125	1.04E-122	Up-regulated
NM_153487	MDGA1	266727	3.84491	3.64162	16.1124	14.3166	1.99402	1.18E-97	2.39E-95	Up-regulated
NM_000598	IGFBP3	3486	3.45919	3.93147	14.8719	16.5008	1.98523	1.73E-36	1.02E-34	Up-regulated
NM_000064	C3	718	0.508103	0.574188	2.60094	2.71688	1.98475	1.29E-15	2.86E-14	Up-regulated
NM_201442	C1S	716	1.39315	1.82652	7.70581	7.13603	1.98259	7.53E-19	2.04E-17	Up-regulated
NM_001267047	FRMD6	122786	0.824643	1.91142	6.41521	11.881	1.9734	1.39E-09	1.81E-08	Up-regulated
NM_212474	FN1	2335	2.30853	1.32907	8.30985	8.03266	1.9556	3.52E-19	9.85E-18	Up-regulated
NM_001024465	SOD2	6648	17.0666	14.6138	64.7062	63.199	1.95306	4.48E-51	4.24E-49	Up-regulated
NM_030788	DCSTAMP	81501	1.05968	0.971723	5.04818	5.93495	1.94412	2.16E-11	3.36E-10	Up-regulated
NM_001272066	SHISA5	51246	2.02956	1.40815	8.54682	7.86306	1.94202	1.57E-14	3.20E-13	Up-regulated
NM_031950	FGFBP2	83888	59.0344	54.4947	211.211	225.664	1.93055	1.91E-147	8.11E-145	Up-regulated
NM_001099294	KIAA1644	85352	0.158153	0.146232	0.900416	1.12953	1.91694	6.38E-09	7.77E-08	Up-regulated
NM_033285	TP53INP1	94241	0.76631	0.375453	2.89281	3.3058	1.91196	2.26E-10	3.23E-09	Up-regulated
NM_002201	ISG20	3669	8.83146	11.4881	39.377	41.3401	1.91027	7.34E-38	4.51E-36	Up-regulated
NM_001321920	FAM219B	57184	0.465435	0.251135	2.61611	2.65784	1.90842	2.58E-08	2.92E-07	Up-regulated
NM_001080391	SP100	6672	1.4434	1.90094	7.39466	6.36992	1.90207	2.34E-24	8.74E-23	Up-regulated
NR_125994	OC10272431	1E+08	1.67486	2.39879	12.6541	9.68627	1.88679	5.24E-10	7.17E-09	Up-regulated
NM_001321691	BZW1	9689	1.49276	2.51851	8.70118	9.34681	1.88038	6.19E-14	1.21E-12	Up-regulated
NM_001322832	KCNMA1	3778	0.0049004	0.027405	0.351579	0.443453	1.87187	2.93E-07	2.92E-06	Up-regulated
NM_001171628	VEGFA	7422	16.126	17.5954	68.3228	57.6293	1.86775	2.53E-73	3.75E-71	Up-regulated
NM_014452	TNFRSF21	27242	2.93508	3.59874	12.8647	12.2384	1.8601	2.41E-35	1.37E-33	Up-regulated
NM_002429	MMP19	4327	0.224074	0.185409	1.49969	1.76651	1.8592	1.19E-07	1.25E-06	Up-regulated
NM_006759	UGP2	7360	15.2267	12.0145	50.578	51.4672	1.85585	3.04E-52	2.93E-50	Up-regulated
NM_001306130	FN1	2335	0.196696	0.116074	0.852292	1.06823	1.84509	2.33E-08	2.65E-07	Up-regulated
NM_001330397	MKS1	54903	0.147708	0.001889	3.31193	2.28969	1.84051	4.06E-07	3.97E-06	Up-regulated
NM_1173701	WARS	7453	69.8685	69.8727	252.493	245.944	1.83531	0	0	Up-regulated
NM_001303050	MAPRE3	22924	1.80443	1.56721	8.6704	6.62346	1.82447	1.00E-11	1.60E-10	Up-regulated
NM_000636	SOD2	6648	9.26816	7.38468	31.6211	28.9866	1.81714	5.17E-51	4.87E-49	Up-regulated
NM_002659	PLAUR	5329	35.0166	35.3857	124.298	124.372	1.81296	3.03E-173	1.56E-170	Up-regulated
NM_001547	IFIT2	3433	8.06702	8.48778	29.5279	29.4394	1.81263	6.63E-101	1.41E-98	Up-regulated
NM_001171626	VEGFA	7422	6.0167	7.33026	22.9277	25.6315	1.80775	2.07E-44	1.58E-42	Up-regulated
NM_001270929	IFIT1	3434	0.552489	0.63715	2.21509	4.04669	1.79619	1.20E-08	1.41E-07	Up-regulated
NM_001549	IFIT3	3437	26.1163	28.9625	96.8939	94.6444	1.7876	6.61E-147	2.74E-144	Up-regulated
NM_000582	SPP1	6696	9.45734	8.50311	31.6045	32.6397	1.78103	1.73E-40	1.17E-38	Up-regulated
NM_013447	ADGRE2	30817	1.74765	1.60905	6.19904	5.84736	1.77644	5.16E-36	2.99E-34	Up-regulated
NM_001282922	RGS3	5998	1.90089	1.18766	6.05322	7.51993	1.77325	1.03E-10	1.51E-09	Up-regulated
NM_138440	VASN	114990	4.88656	4.59671	17.5248	16.1945	1.7724	5.68E-40	3.76E-38	Up-regulated
NM_001709	BDNF	627	0.483052	0.353223	2.12169	2.06549	1.76927	9.41E-09	1.12E-07	Up-regulated
NM_199121	VWA1	64856	0.635986	0.382565	2.55733	2.39057	1.7638	6.01E-09	7.32E-08	Up-regulated
NM_181671	PITPNC1	26207	6.31688	6.14217	21.6822	20.8614	1.75884	6.21E-126	1.83E-123	Up-regulated
NM_001001890	RUNX1	861	4.24871	4.93778	15.6988	15.7894	1.75119	4.56E-75	7.14E-73	Up-regulated
NM_004430	EGR3	1960	9.64373	10.1718	33.6315	32.9654	1.73784	4.97E-128	1.48E-125	Up-regulated
NM_005252	FOS	2353	19.8658	17.96	63.9648	63.2723	1.73307	5.20E-100	1.08E-97	Up-regulated
NM_001130967	ZNF385A	25946	7.6613	11.1959	33.6555	32.8129	1.71472	3.94E-23	1.37E-21	Up-regulated
NM_001024660	KALRN	8997	0.332351	0.372838	1.45836	1.16473	1.7123	2.34E-15	5.12E-14	Up-regulated
NM_001142624	RAB34	83871	0.93941	1.01779	7.05785	4.8202	1.70861	6.32E-07	6.03E-06	Up-regulated
NM_001003943	BMF	90427	0.769599	1.03623	3.23823	3.83798	1.70554	7.56E-12	1.22E-10	Up-regulated
NM_001290060	SEMA3B	7869	10.0756	6.96575	28.9295	29.8885	1.69471	2.29E-24	8.56E-23	Up-regulated
NM_212476	FN1	2335	11.8319	11.19	37.4033	37.1973	1.69304	6.06E-238	3.86E-235	Up-regulated
NM_001042522	SPRED3	399473	0.600979	0.511548	2.50182	2.04313	1.69046	5.27E-10	7.20E-09	Up-regulated
NM_005516	HLA-E	3133	131.923	127.248	414.677	418.76	1.68734	0	0	Up-regulated
NM_003654	CHST1	8534	9.35254	9.50701	31.0337	30.1176	1.68318	7.03E-107	1.62E-104	Up-regulated
NM_001295	CCR1	1230	3.16689	3.30764	10.8175	11.1056	1.67237	7.69E-25	2.97E-23	Up-regulated
NM_016352	CPA4	51200	0.284705	0.35353	1.86542	1.92738	1.66603	1.55E-06	1.40E-05	Up-regulated
NM_001323506	OSMR	9180	2.14289	1.65185	6.16427	6.75642	1.65993	4.83E-21	1.51E-19	Up-regulated
NM_183415	UBE3B	89910	1.2948	0.961789	3.96476	4.04271	1.65712	4.85E-15	1.03E-13	Up-regulated
NM_005127	CLEC2B	9976	9.56774	8.80116	28.5045	31.1384	1.6548	2.25E-41	1.58E-39	Up-regulated

NM_002463	MX2	4600	3.61526	3.56812	13.0862	10.9813	1.65243	5.34E-23	1.85E-21	Up-regulated
NM_001347424	M_00134742	NA	0.670484	0.554795	2.28757	2.3449	1.65187	1.54E-10	2.23E-09	Up-regulated
NM_006022	TSC22D1	8848	30.6361	31.7923	93.6215	100.256	1.62913	1.34E-158	6.08E-156	Up-regulated
NM_001193397	PTPA	5524	17.0779	19.6811	59.8043	55.4419	1.6254	7.13E-64	8.79E-62	Up-regulated
NM_001161779	PDP1	54704	0.5125	0.655042	2.0932	2.71568	1.62082	3.40E-08	3.78E-07	Up-regulated
NM_001330396	GRAMD1B	57476	2.22127	2.30806	7.15841	7.0371	1.61218	5.53E-47	4.57E-45	Up-regulated
NM_001710	CFB	629	0.410567	0.446013	2.43512	2.06147	1.61181	1.90E-06	1.69E-05	Up-regulated
NM_005429	VEGFC	7424	1.1996	1.18622	4.56828	4.77138	1.61028	1.30E-08	1.52E-07	Up-regulated
NM_001130026	TCAF2	285966	2.2872	1.93015	6.98972	6.62434	1.60811	8.12E-24	2.92E-22	Up-regulated
NM_006576	AVIL	10677	0.532351	0.550718	2.46626	2.24697	1.59498	4.41E-07	4.29E-06	Up-regulated
NM_003937	KYNU	8942	11.6615	11.4231	34.3931	37.0564	1.59246	9.36E-41	6.39E-39	Up-regulated
NM_003897	IER3	8870	370.145	354.154	1088.41	1086.51	1.58907	0	0	Up-regulated
NM_002250	KCNN4	3783	89.4085	90.0218	273.494	265.474	1.5878	0	0	Up-regulated
NM_001346468	M_00134646	NA	0	0.00592	3.33793	0.908598	1.5845	6.61E-06	5.39E-05	Up-regulated
NM_001307939	ARID3B	10620	0.18481	0.221877	1.03449	1.2962	1.58224	6.64E-06	5.41E-05	Up-regulated
NM_001278162	HIPK3	10114	0.218903	0.154172	1.07579	0.755264	1.57859	2.81E-06	2.43E-05	Up-regulated
NM_017523	XAF1	54739	2.35528	2.31273	6.39701	9.56774	1.57736	8.34E-12	1.34E-10	Up-regulated
NM_022834	VWA1	64856	13.5121	14.5832	44.7531	40.0359	1.57719	2.04E-77	3.30E-75	Up-regulated
NM_002204	ITGA3	3675	41.5925	42.2807	128.875	121.255	1.57519	2.62E-238	1.73E-235	Up-regulated
NM_001320035	GRAMD1A	57655	2.46143	1.1958	6.82295	7.92223	1.56788	2.22E-07	2.25E-06	Up-regulated
NM_001243775	LIMA1	51474	0.314303	0.247175	1.47263	1.59318	1.555	7.49E-06	6.05E-05	Up-regulated
NM_004029	IRF7	3665	6.02735	6.70923	20.6484	18.62	1.55052	4.94E-23	1.72E-21	Up-regulated
NM_005115	MVP	9961	67.592	67.6541	202.601	192.998	1.54823	1.81E-261	1.24E-258	Up-regulated
NM_002526	NTSE	4907	7.78136	7.5243	21.9639	23.1839	1.5432	1.35E-67	1.79E-65	Up-regulated
NM_213662	STAT3	6774	0.52884	1.29416	4.28602	3.56194	1.54209	1.67E-06	1.49E-05	Up-regulated
NM_018004	TMEM45A	55076	27.5537	26.0243	76.1365	80.2935	1.53137	4.22E-74	6.30E-72	Up-regulated
NM_001178020	BEAN1	146227	0.337851	0.438431	2.06443	1.7825	1.53063	8.16E-06	6.53E-05	Up-regulated
NM_001204478	VP23C-CDR1	1E+08	1.07071	0.63515	3.10507	3.88466	1.52638	1.42E-06	1.29E-05	Up-regulated
NM_001171624	VEGFA	7422	4.48511	3.65579	12.4087	12.0616	1.52524	4.60E-25	1.79E-23	Up-regulated
NM_002203	ITGA2	3673	3.21488	2.96317	8.74883	9.32431	1.52362	3.16E-49	2.81E-47	Up-regulated
NM_006045	itative)(ATP9	10079	0.401099	0.50111	1.56097	1.52299	1.52175	2.33E-09	2.96E-08	Up-regulated
NM_212478	FN1	2335	4.72847	7.56091	20.4905	25.0453	1.52055	1.62E-07	1.68E-06	Up-regulated
NM_001197246	BTN3A2	11118	0.61262	0.515854	2.04101	2.96697	1.51225	5.64E-06	4.68E-05	Up-regulated
NM_024080	TRPM8	79054	6.83275	7.15241	19.9998	20.0574	1.50748	6.65E-87	1.21E-84	Up-regulated
NM_001190945	TRAF1	7185	11.3619	8.82792	29.2631	29.5589	1.50373	9.55E-35	5.30E-33	Up-regulated
NM_001251830	SPP1	6696	0.268839	0.603454	3.1127	2.90976	1.50255	3.44E-05	0.0002433	Up-regulated
NM_003186	TAGLN	6876	0.929064	1.24744	4.78379	6.73723	1.50109	1.84E-05	0.000137	Up-regulated
NM_006988	ADAMTS1	9510	40.891	41.4036	117.908	114.426	1.49809	1.66E-296	1.44E-293	Up-regulated
NM_001004356	FGFRL1	53834	4.36394	5.08817	13.1529	14.5733	1.49443	1.02E-24	3.93E-23	Up-regulated
NM_017890	VPS13B	157680	0.139652	0.163554	0.470246	0.806078	1.49421	4.89E-06	4.08E-05	Up-regulated
NM_001130713	LEF1	51176	13.0819	12.197	38.6009	33.7769	1.49416	3.77E-51	3.58E-49	Up-regulated
NM_021034	IFITM3	10410	455.769	424.847	1232.51	1244.82	1.49386	3.25E-201	1.88E-198	Up-regulated
NM_001621	AHR	196	4.5334	4.30896	12.5793	12.5921	1.48993	1.32E-60	1.46E-58	Up-regulated
NM_001134738	BCL6	604	0.747044	2.11028	4.82385	9.50206	1.48957	2.01E-05	0.0001492	Up-regulated
NM_014918	CHSY1	22856	21.2257	22.8881	61.6063	62.5786	1.4889	5.25E-146	2.14E-143	Up-regulated
NM_033023	PDGFA	5154	1.61688	1.63302	5.21315	5.11289	1.48817	9.90E-11	1.46E-09	Up-regulated
NM_001024213	SI00A13	6284	80.9802	105.364	259.571	281.49	1.48726	1.37E-25	5.50E-24	Up-regulated
NM_153046	TDRD9	122402	0.160937	0.188641	0.976821	0.866819	1.48641	2.61E-05	0.0001893	Up-regulated
NM_005110	GFPT2	9945	0.556365	0.460438	1.92798	2.27984	1.48593	4.85E-06	4.05E-05	Up-regulated
NM_001079520	DACT1	51339	0.515754	0.138057	2.03315	2.46587	1.48557	4.23E-05	0.0002931	Up-regulated
NM_206866	BACH1	571	5.32404	4.81404	13.7679	15.0555	1.48189	4.07E-46	3.30E-44	Up-regulated
NM_014903	NAV3	89795	0.310547	0.361652	1.12355	1.10158	1.48176	6.85E-09	8.30E-08	Up-regulated
NM_002535	OAS2	4939	3.67783	3.79527	10.8832	10.6314	1.47996	5.35E-29	2.49E-27	Up-regulated
NM_001114182	IRAK4	51135	0.449347	0.815038	2.29227	2.6082	1.47934	2.37E-06	2.07E-05	Up-regulated
NM_004603	STX1A	6804	6.87977	6.89646	19.9192	19.71	1.47773	1.33E-29	6.30E-28	Up-regulated
NM_004143	CITED1	4435	11.5874	13.0402	37.1716	34.21	1.47471	2.42E-23	8.53E-22	Up-regulated
NM_001145033	C11orf96	387763	10.4412	11.8997	30.4304	34.5359	1.47283	7.84E-21	2.43E-19	Up-regulated
NM_016612	SLC25A37	51312	0.814935	0.852791	2.8607	2.5	1.46775	1.33E-09	1.74E-08	Up-regulated
NM_001202523	DDR1	780	2.18835	2.45574	8.24715	6.04459	1.46756	8.75E-12	1.40E-10	Up-regulated
NM_016817	OAS2	4939	3.16928	2.94293	9.46561	8.33673	1.46694	2.18E-19	6.23E-18	Up-regulated
NM_001163258	FAM63A	55793	5.46474	3.93181	13.6642	14.5464	1.46672	1.02E-13	1.95E-12	Up-regulated
NM_153690	FAM43A	131583	8.19362	7.82402	22.1306	22.6956	1.46356	5.30E-50	4.78E-48	Up-regulated
NM_017617	NOTCH1	4851	1.42465	1.46489	4.3315	3.91949	1.4627	4.91E-26	2.02E-24	Up-regulated
NM_032420	PCDH1	5097	1.56071	1.75534	5.20958	4.59945	1.4616	4.69E-15	1.00E-13	Up-regulated
NM_001134336	STRIP2	57464	2.21382	1.89817	5.60997	7.32253	1.45678	7.44E-10	1.00E-08	Up-regulated
NM_001303237	ISG20	3669	1.1588	0.584884	4.14558	4.28588	1.45492	2.82E-05	0.0002029	Up-regulated
NR_026947	C1RL-AS1	283314	0.433609	0.398626	1.78913	1.294	1.45183	2.88E-06	2.49E-05	Up-regulated
NM_019032	ADAMTSL4	54507	0.181321	0.262655	1.21848	1.03108	1.44911	3.99E-05	0.0002787	Up-regulated
NM_001010938	TNK2	10188	0.589048	0.903774	2.47264	2.74641	1.44853	6.29E-07	6.00E-06	Up-regulated
NM_002010	SEMA4B	10509	6.69566	4.84238	18.8342	14.9334	1.44798	6.52E-15	1.37E-13	Up-regulated
NM_004031	IRF7	3665	15.6315	10.8721	41.063	35.8823	1.44764	2.49E-16	5.76E-15	Up-regulated
NM_021923	FGFRL1	53834	10.0615	9.44361	27.656	26.2329	1.44629	1.72E-52	1.66E-50	Up-regulated
NM_001080437	SNED1	25992	5.65848	5.82686	15.8366	15.6369	1.44462	1.91E-80	3.20E-78	Up-regulated
NM_015017	USP33	23032	0.378431	0.216175	1.2259	1.47519	1.44459	2.63E-05	0.0001906	Up-regulated
NM_018284	GBP3	2635	2.55808	3.04151	7.57981	8.97577	1.44421	2.60E-13	4.80E-12	Up-regulated
NM_000757	CSF1	1435	1.1654	1.85533	5.13405	4.44425	1.43604	1.48E-08	1.72E-07	Up-regulated
NM_001035534	FAM129B	64855	10.8915	16.1553	39.5866	60.5827	1.43475	4.37E-06	3.68E-05	Up-regulated
NM_000872	HTR7	3363	0.975106	0.929323	2.82116	3.56927	1.43299	3.03E-07	3.01E-06	Up-regulated
NM_002043	GABRR2	2570	0.782936	0.982864	2.88489	2.65278	1.43254	8.29E-09	9.90E-08	Up-regulated
NM_005737	ARL4C	10123	3.30796	2.69082	8.35715	8.62791	1.43207	6.88E-19	1.88E-17	Up-regulated
NM_005514	HLA-B	3106	77.5105	73.2803	214.147	193.676	1.42763	5.37E-89	1.01E-86	Up-regulated
NM_001197181	TUBB3	10381	3.77421	8.03935	20.2344	19.1424	1.42144	4.88E-07	4.73E-06	Up-regulated
NM_001320879	ANXA7	310	0.763778	0.609874	2.88701	2.54779	1.41965	1.31E-05	0.0001009	Up-regulated
NM_002458	MUC5B	727897	2.35001	2.42837	6.74216	6.16171	1.41923	2.58E-62	2.97E-60	Up-regulated

NM_198213	OASL	8638	1.58138	0.570643	5.88337	4.8182	1.41496	6.59E-05	0.00044	Up-regulated
NM_001134367	SLC6A6	6533	0.512724	0.613999	3.14117	1.3815	1.41331	2.15E-05	0.0001585	Up-regulated
NR_135640	IFI44	10561	1.6739	3.20211	9.26661	11.0912	1.40385	3.55E-05	0.0002503	Up-regulated
NM_004530	MMP2	4313	21.7314	22.3734	57.6644	58.9881	1.40321	0.0033103	0.0143423	Up-regulated
NM_031857	PCDHA9	9752	0.247435	0.252852	0.936173	0.983311	1.40233	1.59E-05	0.0001204	Up-regulated
NM_001124758	SPNS2	124976	1.40743	1.24338	3.90103	4.05287	1.40163	1.62E-09	2.10E-08	Up-regulated
NM_001199155	KAT7	11143	1.50831	1.16233	4.81718	3.59756	1.39996	1.29E-07	1.34E-06	Up-regulated
NR_138072	ARRDC3	57561	0.196392	0.495183	1.3568	2.43583	1.39957	0.0001051	0.0006743	Up-regulated
NM_024496	IRF2BPL	64207	36.5381	35.3426	95.9976	93.4722	1.39841	8.84E-207	5.28E-204	Up-regulated
NM_001278642	EDIL3	10085	1.04775	0.513397	2.71822	2.87868	1.39752	6.99E-06	5.68E-05	Up-regulated
NM_006820	IFI44L	10964	5.12846	5.14642	13.6255	13.6068	1.39182	5.40E-58	5.67E-56	Up-regulated
NM_001198621	XIRP1	165904	0.0147545	0.241958	1.91231	1.5227	1.38854	0.0001177	0.0007465	Up-regulated
NM_017458	MVP	9961	17.0388	18.1784	44.6101	48.3338	1.38717	9.06E-63	1.07E-60	Up-regulated
NM_000328	RPGR	6103	3.30936	3.01104	9.06447	8.38734	1.38705	1.72E-16	4.02E-15	Up-regulated
NM_080424	SP110	3431	0.566362	0.902548	3.00587	2.68818	1.38571	2.39E-05	0.0001744	Up-regulated
NM_001323505	OSMR	9180	0.922764	1.80523	5.52181	3.68462	1.38101	4.01E-06	3.39E-05	Up-regulated
NM_014718	CLSTN3	9746	2.95773	3.43706	8.78291	8.5401	1.3799	4.60E-20	1.37E-18	Up-regulated
NM_001330616	AK4	205	0.380345	0.33119	1.50925	1.01378	1.37523	1.30E-05	9.99E-05	Up-regulated
NM_000186	CFH	3075	1.06026	0.67099	2.72096	2.86392	1.37374	1.55E-06	1.40E-05	Up-regulated
NM_024607	PPP1R3B	79660	0.568868	0.392669	1.40342	1.97909	1.37062	1.10E-05	8.62E-05	Up-regulated
NM_203330	CD59	966	0.974875	1.17876	2.61011	3.62265	1.37031	1.68E-09	2.17E-08	Up-regulated
NM_021727	FADS3	3995	33.4531	36.7461	91.6379	90.6767	1.36838	3.69E-75	5.82E-73	Up-regulated
NM_001647	APOD	347	256.601	252.988	656.365	655.807	1.36798	0	0	Up-regulated
NM_001136275	AKIRIN1	79647	0.373989	1.02064	2.60936	4.87809	1.36748	0.0001499	0.000931	Up-regulated
NM_001256264	FLII	2314	0.0014897	0.001984	0.453383	3.24785	1.3659	6.63E-05	0.0004428	Up-regulated
NM_001303533	RAPGEFL1	51195	0.876032	0.678548	2.40696	2.68867	1.36294	3.34E-06	2.86E-05	Up-regulated
NM_002318	LOXL2	4017	10.8225	11.4799	28.7163	29.0406	1.36269	2.34E-68	3.19E-66	Up-regulated
NM_152657	GGN	199720	0.804052	1.065	3.7308	3.03279	1.36175	2.57E-05	0.0001868	Up-regulated
NM_004688	NMI	9111	6.54909	6.21724	17.1507	17.5445	1.36034	9.31E-15	1.94E-13	Up-regulated
NM_022147	RTP4	64108	8.62687	8.38999	21.8092	25.9047	1.35985	7.44E-11	1.11E-09	Up-regulated
NM_002800	PSMB9	5698	51.2958	49.3908	133.417	126.125	1.35674	2.81E-62	3.21E-60	Up-regulated
NM_015886	PII5	51050	9.17529	8.8232	23.2031	22.9798	1.35423	1.24E-101	2.67E-99	Up-regulated
NM_001143677	SGK1	6446	11.2741	12.6985	33.2202	29.3386	1.35029	1.55E-29	7.34E-28	Up-regulated
NM_004335	BST2	684	229.969	217.178	583.662	554.164	1.34721	3.31E-145	1.26E-142	Up-regulated
NM_001572	IRF7	3665	32.7638	37.6049	90.9364	89.5766	1.34685	3.85E-58	4.06E-56	Up-regulated
NM_001272067	SHISA5	51246	7.16684	5.60724	15.565	19.0391	1.34607	3.31E-13	6.05E-12	Up-regulated
NM_139276	STAT3	6774	21.2131	22.3787	53.6413	57.425	1.34479	2.99E-102	6.50E-100	Up-regulated
NM_001193621	PINLYP	390940	0.71334	1.73626	8.53628	6.17198	1.34412	0.0002233	0.0013298	Up-regulated
NM_001284295	CHPF2	54480	2.3835	1.25071	5.59805	6.21297	1.34271	6.59E-06	5.38E-05	Up-regulated
NM_013994	DDR1	780	2.01691	2.09359	4.73324	7.27161	1.3417	7.33E-08	7.85E-07	Up-regulated
NM_001216	CA9	768	1.09009	0.824307	3.68137	3.84743	1.33628	8.82E-05	0.0005735	Up-regulated
NM_198183	UBE2L6	9246	3.63691	2.34625	9.11171	9.02058	1.33617	9.46E-07	8.81E-06	Up-regulated
NM_001548	IFIT1	3434	14.0075	12.4924	33.455	33.84	1.33468	5.05E-65	6.31E-63	Up-regulated
NM_033405	HELZ2	85441	14.0792	13.5123	35.0882	34.3038	1.32933	1.30E-143	4.77E-141	Up-regulated
NM_015675	GADD45B	4616	23.1815	23.1353	59.605	57.4197	1.31979	5.47E-43	4.03E-41	Up-regulated
NM_207660	ZC3H14	79882	0.371659	0.620561	1.61877	2.15638	1.31442	0.0001055	0.0006767	Up-regulated
NM_001184866	FCRLA	84824	1.67825	1.79991	4.90356	5.07989	1.31376	1.31E-07	1.37E-06	Up-regulated
NM_005384	NFIL3	4783	4.77557	5.27568	13.6796	12.5483	1.30679	1.70E-14	3.47E-13	Up-regulated
NM_144579	SFXN5	94097	0.535602	0.819324	2.24425	2.1007	1.3067	1.49E-05	0.0001135	Up-regulated
NM_001319096	ARID5A	10865	4.38173	3.44406	12.1745	9.40382	1.30573	1.37E-08	1.61E-07	Up-regulated
NM_173344	ST3GAL1	6482	6.22218	5.81346	14.3483	15.6414	1.30191	1.97E-47	1.64E-45	Up-regulated
NM_001306132	FN1	2335	0.394714	0.623025	1.30493	1.9123	1.30062	1.61E-05	0.0001214	Up-regulated
NM_032108	SEMA6B	10501	20.8305	22.4291	54.5075	52.3111	1.29879	2.27E-87	4.21E-85	Up-regulated
NM_001720	BMP8B	656	18.9463	19.4772	47.1123	47.1348	1.29317	4.53E-132	1.47E-129	Up-regulated
NM_005099	ADAMT54	9507	16.25	17.7363	45.498	38.8262	1.29175	1.22E-38	7.75E-37	Up-regulated
NM_033027	CSRN1P	64651	8.86294	7.74223	20.7907	20.5879	1.29164	1.41E-31	7.18E-30	Up-regulated
NM_002985	CCL5	6352	3.10114	3.23918	9.5395	8.88175	1.29161	1.66E-06	1.49E-05	Up-regulated
NM_001706	BCL6	604	8.09297	7.13072	18.5117	19.3601	1.28992	4.20E-32	2.20E-30	Up-regulated
NR_120431	OC10050706	1E+08	2.61272	2.06622	7.70097	9.92892	1.28645	0.0001525	0.0009456	Up-regulated
NM_001166349	SLC26A11	284129	0.60967	0.379879	1.69017	2.4451	1.28582	0.0002643	0.0015496	Up-regulated
NM_001258432	NDRG1	10397	0.455732	0.444432	1.55464	1.84374	1.28577	0.0001673	0.0010253	Up-regulated
NM_182763	MCL1	4170	2.00131	2.27396	5.07766	6.23829	1.28543	3.54E-10	4.95E-09	Up-regulated
NM_002223	ITPR2	3709	6.24048	6.2486	15.3656	15.1129	1.28516	7.30E-119	1.96E-116	Up-regulated
NM_022168	IFIH1	64135	8.35504	7.00382	19.2117	18.8989	1.28096	1.30E-27	5.75E-26	Up-regulated
NM_003335	UBA7	7318	1.54774	1.52714	4.06998	4.15896	1.27521	1.46E-08	1.70E-07	Up-regulated
NM_000201	ICAM1	3383	47.5241	50.9999	119.886	118.573	1.27449	5.74E-133	1.89E-130	Up-regulated
NM_014314	DDX58	23586	4.98455	5.85835	12.8759	13.7766	1.26653	1.82E-25	7.23E-24	Up-regulated
NM_001293304	CEMIP	57214	0.929145	2.5572	9.34008	8.92949	1.26593	0.0005049	0.0027722	Up-regulated
NR_026698	KPNA1	3836	0.117557	0.294672	1.02691	0.809491	1.26569	0.0004196	0.0023558	Up-regulated
NM_001193655	C17orf62	79415	1.88844	3.34535	9.18214	6.61577	1.26489	1.82E-05	0.0001358	Up-regulated
NM_001171625	VEGFA	7422	0.726138	0.196314	2.15831	2.51411	1.26028	0.0005199	0.0028456	Up-regulated
NM_001289403	MMS19	64210	0.639768	0.623122	1.99513	1.88146	1.26008	3.42E-05	0.0002424	Up-regulated
NR_027261	POLE3	54107	0.838553	1.09225	2.99162	3.06144	1.25689	5.53E-05	0.0003758	Up-regulated
NM_001220778	CDKN1A	1026	6.0324	6.53447	19.0915	13.4063	1.25674	9.25E-10	1.23E-08	Up-regulated
NM_001286624	MAP3K7CL	56911	0.73953	1.34753	4.5861	3.78693	1.25618	0.0003658	0.0020801	Up-regulated
NM_182565	UBALD2	283991	375.562	345.597	873.377	848.174	1.25574	3.16E-142	1.14E-139	Up-regulated
NM_001174087	NCOA3	8202	1.50225	1.68112	3.95924	3.90286	1.25466	9.69E-18	2.47E-16	Up-regulated
NM_000389	CDKN1A	1026	58.3428	51.3934	130.28	132.112	1.25125	1.54E-67	2.03E-65	Up-regulated
NM_207315	CMPK2	129607	0.858114	0.674197	2.40355	2.34593	1.25055	5.32E-05	0.0003629	Up-regulated
NM_003150	STAT3	6774	8.72832	7.47285	19.9177	19.1308	1.24919	5.29E-35	2.97E-33	Up-regulated
NM_000313	alpha)(PROS1	5627	28.8696	30.2987	72.9976	67.9867	1.24853	5.34E-84	9.28E-82	Up-regulated
NM_016733	LIMK2	3985	8.37054	7.44977	21.3956	17.3114	1.24812	3.31E-19	9.31E-18	Up-regulated
NM_002836	PTPRA	5786	0.292392	0.24084	1.32623	0.985301	1.24541	0.0004877	0.0026932	Up-regulated
NM_138494	ZNF655	79027	1.45317	1.10362	4.04203	2.96237	1.24433	1.22E-06	1.12E-05	Up-regulated

NM_001077427	LYPD1	116372	1.6558	2.12312	4.6814	5.15253	1.24373	2.17E-08	2.48E-07	Up-regulated
NM_198282	TMEM173	340061	7.47153	6.47159	17.4048	16.6555	1.24255	1.76E-17	4.39E-16	Up-regulated
NM_001733	C1R	715	9.31491	9.11738	22.9496	21.5122	1.2403	9.10E-26	3.68E-24	Up-regulated
NR_110492	otein coding)	55000	1.20645	0.625747	2.34077	2.99726	1.23939	2.10E-05	0.000155	Up-regulated
NM_001127695	CTSA	5476	1.25033	1.91724	7.93216	3.22415	1.23399	0.0002894	0.0016822	Up-regulated
NM_032648	FAM167B	84734	76.9347	81.7356	193.756	180.091	1.22906	1.92E-55	1.95E-53	Up-regulated
NM_144601	CMTM3	123920	5.68385	3.62208	12.7694	11.5943	1.22742	2.40E-07	2.42E-06	Up-regulated
NM_018444	PDP1	54704	7.88115	8.90163	19.6262	20.0866	1.22689	1.19E-36	7.08E-35	Up-regulated
NM_001288995	IFI27	3429	6.93253	3.92454	26.7527	14.8507	1.22657	0.0004755	0.0026347	Up-regulated
NM_139266	STAT1	6772	21.8277	19.158	47.8716	48.708	1.22528	9.57E-47	7.78E-45	Up-regulated
NR_028040	GATS	352954	1.95083	1.07776	4.94755	4.08721	1.22255	5.54E-05	0.0003764	Up-regulated
NM_203434	IERSL	389792	12.7872	12.6345	28.8138	31.075	1.22011	2.48E-38	1.55E-36	Up-regulated
NM_001040661	SLC29A4	222962	0.661538	1.19496	2.85511	3.11929	1.21997	0.0001824	0.001106	Up-regulated
NM_199051	BRINP3	339479	0.526674	0.692951	1.90235	1.97393	1.21877	0.0001799	0.0010931	Up-regulated
NM_001281445	catalytic) inhi	11142	33.4855	29.4356	72.9875	75.3952	1.21851	8.50E-31	4.19E-29	Up-regulated
NM_005101	ISG15	9636	384.515	388.221	885.138	905.895	1.21691	2.34E-167	1.12E-164	Up-regulated
NM_001065	TNFRSF1A	7132	23.0366	22.1185	52.8983	52.4123	1.21541	1.76E-60	1.93E-58	Up-regulated
NM_001318011	CARD19	84270	9.80526	10.7718	23.8863	27.8973	1.21373	1.00E-08	1.19E-07	Up-regulated
NM_005419	STAT2	6773	26.6268	27.02	61.0103	63.0412	1.20929	1.80E-131	5.64E-129	Up-regulated
NM_152486	SAMD11	148398	0.503249	0.350771	1.77728	1.64213	1.20915	0.0006871	0.0036589	Up-regulated
NR_126327	MESDC2	23184	5.11825	6.0334	13.9793	12.6279	1.20459	1.40E-15	3.10E-14	Up-regulated
NM_025193	HSD3B7	80270	9.79747	9.06503	22.2781	22.0356	1.20457	6.82E-24	2.47E-22	Up-regulated
NM_199002	ARHGEF1	9138	9.15089	13.6329	29.5506	25.875	1.20363	2.69E-11	4.15E-10	Up-regulated
NM_001321060	SIRT6	51548	1.76357	1.02971	5.34806	4.09847	1.2036	0.0003715	0.0021084	Up-regulated
NM_021153	CDH19	28513	11.921	12.1368	26.7799	28.8102	1.20311	5.19E-70	7.28E-68	Up-regulated
NM_001031683	IFIT3	3437	22.8574	18.8378	44.5978	53.7412	1.20109	1.28E-19	3.69E-18	Up-regulated
NM_001130142	VWA5A	4013	0.875388	0.895488	2.17879	2.78451	1.19877	3.32E-05	0.000236	Up-regulated
NM_001319087	ARID5A	10865	2.50895	2.51211	7.22967	5.66134	1.19444	5.39E-07	5.20E-06	Up-regulated
NM_001146187	PEG3	5178	4.72952	5.17231	11.4179	11.3998	1.19408	1.23E-45	9.69E-44	Up-regulated
NM_001013635	CCDC184	387856	0.613013	0.55576	2.1827	1.91165	1.1939	0.000531	0.0029022	Up-regulated
NM_018379	FAM63A	55793	1.87222	1.8306	4.42909	4.93938	1.19336	2.61E-07	2.62E-06	Up-regulated
NM_001128219	VGLL4	9686	14.1522	14.73	34.1302	32.1487	1.19131	3.62E-56	3.73E-54	Up-regulated
NM_001079818	ITGA6	3655	15.4603	16.38	35.6473	37.1958	1.19065	1.13E-82	1.92E-80	Up-regulated
NM_001242412	AHRR	57491	7.27852	7.90102	18.0593	16.8798	1.18948	2.41E-40	1.62E-38	Up-regulated
NM_001206	KLF9	687	10.7006	11.1246	24.9761	24.9802	1.18928	3.73E-69	5.17E-67	Up-regulated
NM_004776	B4GALT5	9334	52.2943	51.6598	118.973	116.85	1.18419	9.24E-231	5.70E-228	Up-regulated
NM_024019	NEUROG2	63973	0.960739	0.8947	2.67667	2.88363	1.18292	0.0001821	0.0011046	Up-regulated
NM_001031801	LIMK2	3985	1.8213	2.20135	4.62373	5.55545	1.18278	7.45E-07	7.04E-06	Up-regulated
NM_001166692	C11orf91	1E+08	3.11995	3.63893	9.91945	9.77817	1.18095	0.0001308	0.0008232	Up-regulated
NM_005996	TBX3	6926	1.30653	1.73375	3.73635	3.78195	1.18035	6.22E-08	6.73E-07	Up-regulated
NM_201382	PLEC	5339	4.02414	3.26929	7.71683	11.7209	1.18009	1.60E-05	0.0001207	Up-regulated
NM_0032873	UBASH3B	84959	4.40152	4.48973	10.0186	10.2974	1.17891	1.44E-38	9.09E-37	Up-regulated
NM_199139	XAF1	54739	1.04361	0.60151	2.51491	2.35234	1.17846	0.0001928	0.0011649	Up-regulated
NM_152347	EFCAB13	124989	0.496645	0.71257	1.71405	1.87959	1.17561	0.0001986	0.0011978	Up-regulated
NM_001323682	NRSN2	80023	1.19667	0.665506	3.38902	2.71922	1.17454	0.0005111	0.002803	Up-regulated
NM_018584	CAMK2N1	55450	7.38939	6.38158	14.9482	17.3752	1.17422	1.83E-13	3.42E-12	Up-regulated
NM_001005376	PLAUR	5329	5.15992	4.16966	11.3842	11.7999	1.17396	2.81E-07	2.81E-06	Up-regulated
NM_018948	ERRF1	54206	9.00034	8.72485	20.5542	19.8344	1.17107	4.59E-32	2.39E-30	Up-regulated
NM_005214	CTLA4	1493	2.59683	1.99026	5.70396	6.2839	1.17068	1.02E-05	8.05E-05	Up-regulated
NM_001012967	DDX60L	91351	1.61474	1.91755	4.12404	4.14301	1.16878	5.57E-13	9.98E-12	Up-regulated
NM_002081	GPC1	2817	42.9087	46.2946	103.261	97.3651	1.16669	2.42E-82	4.09E-80	Up-regulated
NM_172389	NFATC1	4772	0.588502	0.639985	1.53092	1.9226	1.16555	0.0001068	0.0006838	Up-regulated
NM_001260490	LSR	51599	0.301779	0	3.46158	2.80201	1.16528	0.0007389	0.0039153	Up-regulated
NM_017950	CCDC40	55036	0.326541	0.475227	1.32443	1.24815	1.16277	0.0005249	0.0028697	Up-regulated
NM_006850	IL24	11009	1.04756	0.553567	2.60131	3.23234	1.16268	0.0010062	0.0051377	Up-regulated
NM_000574	lood group)	1604	4.75579	5.65236	11.5628	12.604	1.16085	2.37E-13	4.40E-12	Up-regulated
NR_047495	LINC00565	1E+08	2.46651	2.58602	5.72706	6.60481	1.15929	1.68E-07	1.73E-06	Up-regulated
NM_201589	MAFA	389692	2.15889	2.28741	5.574	5.37878	1.15878	5.80E-07	5.55E-06	Up-regulated
NM_000327	ROM1	6094	1.01904	1.18748	3.47387	3.13027	1.15849	0.0003411	0.0019532	Up-regulated
NM_015086	DDN	23109	0.69475	0.876718	2.08083	2.18435	1.15775	7.01E-05	0.0004663	Up-regulated
NM_001242463	FBXO32	114907	0.259188	0.292709	1.08745	0.692868	1.15753	0.0006652	0.0035561	Up-regulated
NM_005711	EDIL3	10085	0.14054	0.76729	2.42005	2.36964	1.15741	0.001529	0.007385	Up-regulated
NM_002182	IL1RAP	3556	8.36552	8.31043	19.3126	18.1489	1.15682	4.45E-42	3.17E-40	Up-regulated
NR_030767	ANKRD13D	338692	0.657683	0.893478	2.64739	2.3759	1.15592	0.0006319	0.0033965	Up-regulated
NM_198590	lood group)(	682	1.75776	2.52842	5.03416	6.89594	1.15451	0.0001511	0.0009384	Up-regulated
NM_014962	BTBD3	22903	1.66334	1.93235	4.18124	4.26856	1.15305	3.81E-10	5.30E-09	Up-regulated
NM_015995	KLF13	51621	7.83359	7.77984	17.5393	17.2226	1.14953	5.28E-63	6.42E-61	Up-regulated
NM_002160	TNC	3371	69.8936	71.9498	157.662	156.049	1.14835	5.84E-289	4.65E-286	Up-regulated
NM_175884	CCDC71L	168455	15.0656	14.203	33.0268	31.8124	1.14537	7.69E-84	1.32E-81	Up-regulated
NM_017556	FBLIM1	54751	0.451001	0.526303	1.99226	1.26759	1.14374	0.0009747	0.0049954	Up-regulated
NM_001037335	HELZ2	85441	18.2627	20.0813	44.3979	40.596	1.14293	4.54E-59	4.93E-57	Up-regulated
NM_187841	TRIM54	57159	1.64061	1.4489	4.65832	3.75129	1.1429	0.0001497	0.0009303	Up-regulated
NR_125376	OC10041958	1E+08	11.2142	10.325	23.62	24.7446	1.14135	2.07E-21	6.54E-20	Up-regulated
NM_032189	ATP11A	23250	6.91937	6.52271	16.5285	13.5593	1.13971	3.47E-24	1.28E-22	Up-regulated
NM_020904	PLEKHA4	57664	61.8911	62.913	143.161	131.863	1.13847	4.33E-89	8.19E-87	Up-regulated
NM_001198993	NADK	65220	0.504919	0.662296	1.53581	2.13647	1.13489	0.0008168	0.0042758	Up-regulated
NM_017918	MCUB	55013	2.25119	1.81476	5.19395	6.69007	1.13347	0.0004418	0.0024654	Up-regulated
NM_024958	NRSN2	80023	13.9336	15.5954	34.8319	30.9492	1.13273	3.48E-23	1.22E-21	Up-regulated
NM_198593	C1QTNF1	114897	0.526704	0.653883	1.88156	1.79791	1.1306	0.0007896	0.0041535	Up-regulated
NM_020309	SLC17A7	57030	4.44362	3.6406	9.39603	9.10652	1.13008	5.03E-11	7.61E-10	Up-regulated
NM_001122772	AGAP2	116986	5.63851	5.73013	13.2134	11.9403	1.12843	2.72E-29	1.27E-27	Up-regulated
NM_001129899	KRBOX4	55634	0.887004	0.404593	2.54046	2.20998	1.12728	0.0015796	0.0075968	Up-regulated
NM_001300783	PRR16	51334	1.45922	1.61042	4.38293	4.05706	1.12632	0.000215	0.001286	Up-regulated
NM_002587	PCDH1	5097	4.11952	4.26372	10.1932	8.6946	1.12453	9.61E-14	1.85E-12	Up-regulated

NM_002228	JUN	3725	15.0111	13.9281	33.4952	30.0704	1.12147	3.72E-32	1.95E-30	Up-regulated
NM_213618	ST5	6764	29.9758	28.0159	63.866	62.3871	1.12143	3.94E-91	7.60E-89	Up-regulated
NR_028495	LYRM2	57226	0.27071	0.616784	1.42736	1.45037	1.12078	0.0011684	0.0058566	Up-regulated
NM_001560	IL13RA1	3597	12.7062	12.6112	28.1772	27.0874	1.12027	5.41E-52	5.19E-50	Up-regulated
NM_002290	LAMA4	3910	1.39911	0.994145	3.98236	2.22479	1.12024	8.99E-05	0.0005832	Up-regulated
NM_145901	HMGAI	3159	30.1546	30.373	63.1267	69.1267	1.12012	5.17E-46	4.15E-44	Up-regulated
NM_003877	SOCS2	8835	1.053	1.2882	2.78074	3.41205	1.11953	0.0001434	0.0008946	Up-regulated
NM_016816	OAS1	4938	27.1337	27.1606	61.0858	57.4093	1.11793	1.17E-42	8.50E-41	Up-regulated
NM_005415	SLC20A1	6574	129.416	131.378	282.404	281.909	1.11731	1.10E-296	9.96E-294	Up-regulated
NM_001032731	OAS2	4939	2.08873	2.31507	5.40067	5.33009	1.11539	9.37E-06	7.42E-05	Up-regulated
NM_001128127	GK	2710	3.22461	3.69084	8.46111	7.09529	1.11486	8.33E-12	1.34E-10	Up-regulated
NM_019112	ABCA7	10347	5.44251	5.83353	12.8448	11.7965	1.11411	1.27E-31	6.47E-30	Up-regulated
NM_001130723	AHCYL2	23382	1.93337	1.43499	4.90979	3.32453	1.11291	1.32E-05	0.0001009	Up-regulated
NM_001290062	SEMA3B	7869	0.77136	1.49837	3.50571	3.43345	1.11107	0.0010053	0.0051346	Up-regulated
NM_183079	PRNP	5621	18.4493	21.0713	40.0668	46.6178	1.11072	7.23E-23	2.48E-21	Up-regulated
NM_018169	KIAA1551	55196	3.86817	3.90206	8.3138	8.65411	1.10838	4.40E-26	1.82E-24	Up-regulated
NM_001113363	TBC1D14	57533	1.8988	2.4003	4.6492	5.28039	1.10837	6.31E-08	6.82E-07	Up-regulated
NM_001301738	TMEM173	340061	3.06262	3.50015	7.23474	8.39925	1.10671	4.26E-06	3.59E-05	Up-regulated
NM_194463	RNF128	79589	11.7362	12.6136	25.4973	27.5421	1.10664	2.85E-28	1.30E-26	Up-regulated
NM_001316677	PTPRE	5791	0.735605	0.242351	2.32142	1.78161	1.10462	0.0024037	0.0109041	Up-regulated
NM_001323916	FNIP2	57600	5.81788	6.7076	13.0432	14.2343	1.1043	3.00E-26	1.26E-24	Up-regulated
NM_001134296	AP3M2	10947	1.3526	0.369403	2.76453	3.69413	1.10406	0.0021634	0.0099482	Up-regulated
NM_001167929	ILIRAP	3556	7.83689	8.14591	16.1327	18.6863	1.10301	5.27E-24	1.92E-22	Up-regulated
NM_001199622	NCOA7	135112	0.386184	0.898318	1.93416	2.1502	1.10216	0.001366	0.0067251	Up-regulated
NM_000089	COL1A2	1278	0.410128	0.484743	1.15665	1.22819	1.10189	0.0003217	0.0018518	Up-regulated
NR_049759	IFITM3	10410	6.27263	8.73025	20.3011	19.1882	1.10173	0.0002223	0.0013243	Up-regulated
NM_0020896	OSBPL5	114879	15.0102	16.0043	34.3542	32.4859	1.10121	1.97E-47	1.64E-45	Up-regulated
NM_001170752	SRPX	8406	2.24507	3.68865	7.33118	7.74122	1.10095	0.0001129	0.0007193	Up-regulated
NM_005734	HIPK3	10114	1.46847	1.08495	3.35991	2.62449	1.10078	1.02E-06	9.42E-06	Up-regulated
NM_203355	MA2	4253	0.523109	0.806491	1.56205	2.52734	1.09951	0.0012458	0.0061989	Up-regulated
NM_0000474	TWIST1	7291	11.3217	12.9817	24.9417	27.0499	1.09712	1.22E-05	0.0005351	Up-regulated
NM_212481	ARID5A	10865	16.6753	15.2558	32.5355	36.7763	1.09649	1.10E-22	3.72E-21	Up-regulated
NM_001146104	nerase family	83666	3.92322	1.22597	11.7097	14.7415	1.09183	0.0027661	0.0122881	Up-regulated
NM_001193361	EXD2	55218	0.704541	0.851515	1.66927	2.26698	1.09123	0.0001384	0.0008669	Up-regulated
NM_0011111	ADAR	103	11.2948	13.0549	26.0052	26.1522	1.08972	1.61E-38	1.01E-36	Up-regulated
NM_001282857	XRN1	54464	2.94496	3.30354	6.27987	7.24844	1.08855	2.93E-19	8.30E-18	Up-regulated
NM_003254	TIMP1	7076	242.813	229.648	503.663	498.388	1.08725	1.96E-110	4.81E-108	Up-regulated
NR_103507	SLC6A6	6533	1.46212	1.77515	4.68838	2.98741	1.08605	1.16E-05	9.03E-05	Up-regulated
NM_001197222	PDE4D	5144	0.216452	0.30729	0.816537	0.679837	1.0859	0.0009265	0.004782	Up-regulated
NM_017661	ZNF280D	54816	1.69274	1.05616	3.13801	3.52564	1.08573	3.48E-05	0.0002461	Up-regulated
NM_001039477	THEMIS2	9473	2.94935	3.51301	6.60076	11.1238	1.08484	0.000676	0.0036039	Up-regulated
NM_018295	TMEM140	55281	16.1665	14.6774	31.8771	34.4271	1.08437	2.03E-23	7.20E-22	Up-regulated
NM_024625	ZC3HAV1	56829	3.87875	3.5222	8.44606	7.84685	1.08191	3.71E-11	5.67E-10	Up-regulated
NM_001135644	DCTN4	51164	0.251543	0.488007	1.62608	1.04125	1.07742	0.0027185	0.0121108	Up-regulated
NM_001130848	PITPNM1	9600	1.97475	2.39194	4.88159	4.87259	1.07735	1.27E-08	1.49E-07	Up-regulated
NM_001282667	MICAL2	9645	0.276617	0.645669	2.12036	1.03894	1.07713	0.0024752	0.0111989	Up-regulated
NM_001297654	DDR1	780	15.8271	21.5365	59.1837	37.7433	1.07711	0.0003669	0.0020853	Up-regulated
NM_001317783	TSTA3	7264	6.67522	5.8498	11.3151	20.0851	1.07684	0.0001748	0.0010665	Up-regulated
NM_001040217	FAM63A	55793	1.23466	1.73306	5.40069	3.13109	1.07643	0.0011389	0.0057238	Up-regulated
NR_134272	OC10192974	1E+08	2.65293	1.89145	5.41339	5.36711	1.0744	1.92E-05	0.0001424	Up-regulated
NM_001318134	GAK	2580	2.71087	3.29827	7.38986	5.96871	1.07372	1.85E-08	2.13E-07	Up-regulated
NM_001163149	ETV1	2115	0.203116	0.285768	0.840416	0.67549	1.07175	0.0019374	0.0090463	Up-regulated
NM_007286	SYNPO	11346	0.563807	0.643239	1.57516	1.41866	1.07163	0.000135	0.0008473	Up-regulated
NM_014293	NPTXR	23467	4.99631	5.21193	11.0124	10.6445	1.07093	1.28E-28	5.89E-27	Up-regulated
NM_005539	INPP5A	3632	6.75255	6.10826	13.8542	13.7015	1.07045	2.69E-17	6.61E-16	Up-regulated
NM_001162371	LOC728392	728392	4.13279	5.44385	11.7466	10.3872	1.06966	7.55E-06	6.09E-05	Up-regulated
NM_198833	SERPINB8	5271	4.37981	4.24807	11.249	8.03128	1.06884	1.00E-07	1.06E-06	Up-regulated
NM_005257	GATA6	2627	2.28886	2.43513	5.08011	5.35067	1.0688	3.72E-09	4.63E-08	Up-regulated
NM_002214	ITGB8	3696	1.70437	1.64394	3.5578	3.62623	1.06793	2.98E-15	6.45E-14	Up-regulated
NM_203331	CD59	966	20.8112	20.3419	42.4508	43.5915	1.06535	2.63E-125	7.60E-123	Up-regulated
NM_001104544	TMEM255A	55026	14.878	16.2482	30.81	34.9352	1.06398	8.05E-27	3.46E-25	Up-regulated
NM_003790	TNFRSF25	8718	1.23226	0.882765	3.20761	3.19339	1.06326	0.0020833	0.009645	Up-regulated
NM_001127222	CACNA1A	773	0.189772	0.749313	1.66538	1.6138	1.06239	0.003048	0.0133409	Up-regulated
NM_003512	HIST1H2AC	8334	61.2377	63.9289	134.13	131.775	1.06131	5.80E-17	1.40E-15	Up-regulated
NM_198332	STAT2	6773	7.08378	8.52483	18.6689	14.8949	1.0611	1.78E-12	3.04E-11	Up-regulated
NM_001105192	TLE3	7090	2.94023	2.03891	6.16017	5.00774	1.06081	7.24E-07	6.86E-06	Up-regulated
NM_001195803	LDLR	3949	2.07405	1.80093	3.4372	5.746	1.05873	5.71E-05	0.0003863	Up-regulated
NM_001282234	PSMA6	5687	3.50165	3.6736	11.6758	7.61703	1.05857	0.0009306	0.0047989	Up-regulated
NM_022748	TNS3	64759	10.0903	9.60083	20.5155	20.568	1.05832	2.18E-66	2.76E-64	Up-regulated
NM_001135776	ZBTB43	23099	0.336482	0.433333	1.49619	0.823041	1.05792	0.0021184	0.0097747	Up-regulated
NM_198463	C3orf67	200844	5.43699	5.44417	11.3642	11.8806	1.05501	6.71E-13	1.19E-11	Up-regulated
NM_001001479	SLC35E4	339665	2.71168	3.06065	6.88591	6.00345	1.05429	8.82E-07	8.26E-06	Up-regulated
NM_017457	CYTH2	9266	15.4042	13.6081	32.3901	28.4378	1.05307	1.26E-25	5.05E-24	Up-regulated
NM_001284382	UBE2Q2	92912	2.23593	1.78097	5.20579	4.08535	1.0494	3.15E-05	0.0002241	Up-regulated
NM_172211	CSF1	1435	0.810333	0.12806	2.93223	2.20016	1.04797	0.0039003	0.0165643	Up-regulated
NM_001042632	SNX21	90203	1.19335	1.43341	2.80115	3.48459	1.04581	0.0001426	0.0008905	Up-regulated
NM_145236	B3GNT7	93010	1.02532	1.28012	2.74121	2.67065	1.0452	8.63E-05	0.0005623	Up-regulated
NM_001282980	TLE3	7090	0.311743	0.679263	1.84371	1.17081	1.04449	0.0026934	0.0120156	Up-regulated
NM_001172712	SP3	6670	0.429706	0.45244	0.876292	1.5261	1.0432	0.0015207	0.0073525	Up-regulated
NM_004711	SYNGR1	9145	5.50156	5.18959	11.1245	11.185	1.04296	9.63E-22	3.12E-20	Up-regulated
NM_004419	DUSP5	1847	7.95785	8.29449	16.4123	17.6879	1.04154	9.07E-17	2.16E-15	Up-regulated
NM_021960	MCL1	4170	57.3511	59.1217	121.234	117.92	1.04018	1.66E-138	5.87E-136	Up-regulated
NM_001206796	PKM	5315	0.43544	0.308252	1.01588	1.67195	1.03936	0.0040515	0.0170989	Up-regulated
NM_001139498	FGF13	2258	0.0710238	0.102442	0.497393	4.79459	1.0379	0.0017504	0.008301	Up-regulated

NR_037149	NME1-NME2	654364	0	0.618016	6.75634	4.54868	1.03745	0.0021637	0.0099482	Up-regulated
NM_018935	PCDHB15	56121	5.5931	5.27933	11.7191	11.1409	1.03671	1.13E-13	2.15E-12	Up-regulated
NM_001127245	LRRC8A	56262	0.905611	0.88825	2.26677	1.93895	1.03663	0.0001288	0.0008113	Up-regulated
NM_134421	HPCAL1	3241	5.47305	5.16058	11.0626	11.7464	1.03609	7.50E-09	9.02E-08	Up-regulated
NM_201522	KLC4	89953	0.807013	0.826122	2.23603	1.99553	1.03452	0.001071	0.0054236	Up-regulated
NM_001122681	SH3BP2	6452	1.22971	0.701397	2.21472	2.27172	1.03452	8.34E-05	0.0005451	Up-regulated
NM_017554	erases family r	54625	10.8903	10.9837	21.9724	22.877	1.03424	1.50E-68	2.06E-66	Up-regulated
NM_001083585	RABEP1	9135	0.572923	0.474501	1.36176	1.1972	1.03373	0.0004022	0.0022669	Up-regulated
NM_001104545	TMEM255A	55026	2.01225	1.13401	3.80071	3.95012	1.03368	0.0004624	0.0025708	Up-regulated
NM_002117	HLA-C	3107	111.547	109.953	234.852	218.465	1.03324	1.72E-75	2.75E-73	Up-regulated
NM_001098785	FAM89B	23625	23.5304	23.7356	52.0689	45.9651	1.03257	5.04E-20	1.49E-18	Up-regulated
NM_001321877	HDAC9	9734	0.431734	0.261994	1.12152	0.735376	1.03248	0.0015167	0.0073381	Up-regulated
NM_130435	PTPRE	5791	1.1934	1.56282	3.16294	2.98129	1.0315	6.05E-06	4.99E-05	Up-regulated
NM_001321436	TMBIM1	64114	3.01344	1.80633	5.75564	5.63379	1.02957	0.0002104	0.0012623	Up-regulated
NM_003141	TRIM21	6737	18.9797	17.0463	38.1117	36.2693	1.02955	5.24E-23	1.82E-21	Up-regulated
NM_138720	HIST1H2BD	3017	9.33401	6.82042	16.603	21.7369	1.02847	0.0002808	0.0016375	Up-regulated
NR_138463	MTERF4	130916	1.84643	1.35551	3.48274	3.61386	1.0282	7.63E-06	6.15E-05	Up-regulated
NM_000665	nt blood group	43	1.24612	0.133723	3.62119	5.29478	1.02755	0.0042163	0.0176863	Up-regulated
NM_001954	DDR1	780	9.38068	16.7028	33.3604	32.537	1.02702	0.0009008	0.0046709	Up-regulated
NM_002149	HPCAL1	3241	226.987	213.325	457.209	438.629	1.02651	3.38E-105	7.68E-103	Up-regulated
NM_001145160	TPM4	7171	1.73907	2.09739	3.8795	5.03346	1.02504	0.0001284	0.0008091	Up-regulated
NR_027635	SPATA5L1	79029	0.515323	0.592614	2.59954	1.26424	1.02443	0.0045519	0.0188868	Up-regulated
NR_110697	SEMA3B	7869	0.865214	0.156829	4.53384	2.44136	1.02317	0.0042314	0.0177261	Up-regulated
NM_152588	TMTC2	160335	7.87494	7.66905	15.4882	16.2606	1.02224	3.69E-35	2.08E-33	Up-regulated
NM_014037	SLC6A16	28968	0.363083	0.582204	1.41383	1.56553	1.02173	0.0038561	0.016406	Up-regulated
NM_001267046	FRMD6	122786	8.20772	9.43557	17.6507	18.4789	1.01911	3.34E-24	1.24E-22	Up-regulated
NM_001252406	ZBTB7B	51043	0.445358	0.686669	1.19438	2.24792	1.018	0.0037346	0.0159598	Up-regulated
NM_001190947	TRAF1	7185	5.18779	5.05356	14.4576	8.30973	1.01474	2.33E-05	0.0001709	Up-regulated
NM_001276290	PRKAR1A	5573	7.0075	6.9086	14.7725	15.0704	1.0138	7.25E-07	6.87E-06	Up-regulated
NM_001199241	KYNU	8942	1.51216	0.415081	4.03989	3.80249	1.01373	0.0054906	0.0222311	Up-regulated
NR_135641	IFI4	10561	1.31391	0.761876	3.11266	3.21047	1.01243	0.0039912	0.0169055	Up-regulated
NM_017654	SAMD9	54809	4.81754	4.12474	9.38069	8.90672	1.01104	1.29E-18	3.46E-17	Up-regulated
NM_001105556	THEMIS2	9473	15.4869	14.4182	29.3352	31.38	1.01082	2.62E-27	1.15E-25	Up-regulated
NM_001005377	PLAUR	5329	2.35757	1.96744	4.54391	6.6561	1.0095	0.0017782	0.0083996	Up-regulated
NM_203403	LURAP1L	286343	2.69866	2.54382	5.84428	5.41137	1.00938	1.67E-06	1.50E-05	Up-regulated
NM_020437	ASPHD2	57168	4.04793	4.51572	9.14795	8.61251	1.00935	3.62E-11	5.52E-10	Up-regulated
NR_028502	MIR22HG	84981	11.9055	12.6657	24.4621	25.4695	1.00915	1.09E-24	4.18E-23	Up-regulated
NM_152529	GPR155	151556	0.140311	0.214832	0.386861	1.0654	1.0086	0.0057444	0.0230727	Up-regulated
NM_001908	CTSB	1508	533.937	518.569	1054.75	1056.28	1.00816	1.57E-267	1.11E-264	Up-regulated
NM_006517	SLC16A2	6567	0.389488	0.65745	1.58272	1.30626	1.00718	0.0030198	0.013237	Up-regulated
NM_015063	SLC8A2	6543	0.485421	0.669371	1.51487	1.3263	1.00563	0.000957	0.0049155	Up-regulated
NM_018309	TBC1D23	55773	0.700797	0.591864	1.25298	2.39804	1.00311	0.0035714	0.0153451	Up-regulated
NM_001009813	MEIS3	56917	6.56398	11.2067	18.4873	20.5398	1.00246	2.56E-05	0.000186	Up-regulated
NM_001166168	NEK6	10783	2.00232	1.23939	4.57359	3.45449	1.00176	0.0011512	0.0057762	Up-regulated
NM_001307952	HAPLN3	145864	3.31629	2.48674	9.04691	5.12407	1.0014	0.0009983	0.0051042	Up-regulated
NM_175840	SMOX	54498	2.01312	1.39387	4.47568	3.8314	1.00137	0.0010119	0.0051627	Up-regulated
NM_058172	ANTXR2	118429	1.73097	1.73797	3.65277	3.4752	1.0003	2.10E-12	3.56E-11	Up-regulated
NM_012420	IFIT5	24138	10.1915	9.77225	19.2587	20.979	1.00007	5.81E-27	2.51E-25	Up-regulated
NR_073481	ZNF689	115509	5.27009	3.93301	9.07655	10.2806	0.99996	1.47E-07	1.53E-06	Up-regulated
NM_001242640	BRCC3	79184	0.808437	1.23242	3.22475	2.17312	0.9986	0.0024766	0.0112001	Up-regulated
NM_001195001	PTPRU	10076	1.20717	0.801668	2.30061	2.24709	0.99813	0.0001671	0.0010247	Up-regulated
NR_003189	lidate)(SYS1-	767557	1.88956	1.99566	6.56203	3.97189	0.99725	0.0032663	0.0141741	Up-regulated
NM_006307	SRPX	8406	47.3676	47.8037	94.3549	95.3288	0.99482	1.93E-66	2.47E-64	Up-regulated
NM_017631	DDX60	55601	3.38297	3.72601	6.80203	7.65917	0.99423	4.80E-14	9.49E-13	Up-regulated
NR_037148	member C25(T	548645	1.88805	1.8905	4.19355	4.1106	0.9938	6.84E-05	0.0004558	Up-regulated
NM_001184813	CEACAM1	634	0.96398	1.56412	2.87434	3.21021	0.99345	0.0009145	0.004733	Up-regulated
NM_001987	ETV6	2120	3.47109	3.46527	6.97626	7.01291	0.99338	5.00E-18	1.29E-16	Up-regulated
NM_001800	CDKN2D	1032	17.7597	18.4948	37.0359	36.0157	0.99184	8.59E-18	2.19E-16	Up-regulated
NM_198315	VWA5A	4013	4.26677	4.25471	9.62227	8.45695	0.99005	2.25E-06	1.98E-05	Up-regulated
NM_001317895	erases family r	84875	1.70865	2.67735	6.49658	3.88136	0.9896	0.0007965	0.0041788	Up-regulated
NM_001322988	KALRN	8997	0.209472	0.378035	0.680079	0.920225	0.98905	0.0036495	0.0156523	Up-regulated
NM_004753	DHRS3	9249	16.7621	16.6571	34.38	32.6046	0.98734	2.27E-20	6.88E-19	Up-regulated
NM_017633	FAM46A	55603	1.56731	1.32469	3.00396	3.06294	0.98726	6.07E-07	5.80E-06	Up-regulated
NM_001300751	LMBR1L	55716	0.927551	2.11069	3.52993	4.98583	0.98588	0.0042514	0.0178022	Up-regulated
NM_001128221	VGLL4	9686	7.80258	7.91502	14.9891	16.5583	0.98529	2.47E-18	6.51E-17	Up-regulated
NM_032738	FCRLA	84824	10.4522	11.4948	22.6271	21.4505	0.98469	3.76E-17	9.17E-16	Up-regulated
NM_001042422	SLC16A3	9123	1.1784	1.26995	2.72947	3.32655	0.98419	0.0019672	0.0091697	Up-regulated
NM_001287000	T6GALNAC	30815	6.98641	7.35048	14.3188	14.6334	0.98373	2.45E-13	4.54E-12	Up-regulated
NM_004759	MAPKAPK2	9261	2.33216	1.90146	4.74174	4.2492	0.98366	6.77E-06	5.50E-05	Up-regulated
NM_001130834	LDB2	9079	2.25423	2.36049	4.89507	4.92764	0.98294	8.59E-06	6.85E-05	Up-regulated
NM_019885	CYP26B1	56603	1.56113	1.67559	3.46409	3.29222	0.98257	1.19E-06	1.10E-05	Up-regulated
NM_078626	CDKN2C	1031	1.76034	1.72841	4.38195	4.71767	0.98223	0.0029794	0.0130869	Up-regulated
NM_016009	SH3GLB1	51100	11.094	10.8463	21.1554	22.2321	0.9806	3.49E-49	3.09E-47	Up-regulated
NM_001291879	TACC2	10579	1.44128	1.73797	3.51367	3.32343	0.97984	3.14E-05	0.0002237	Up-regulated
NR_125367	MYHAS	1E+08	1.01908	0.897657	2.04791	2.29686	0.97935	0.00035	0.0019993	Up-regulated
NM_001144063	OSBPL5	114879	0.613364	1.46848	2.45485	3.24259	0.97782	0.0042872	0.0179324	Up-regulated
NM_001005744	NUMB	8650	6.64598	7.01865	13.6302	13.5622	0.97513	1.90E-18	5.04E-17	Up-regulated
NM_001005745	NUMB	8650	8.50816	7.55848	15.4988	16.52	0.97506	2.69E-17	6.61E-16	Up-regulated
NM_020160	MEIS3	56917	3.27322	3.9028	7.5222	7.54376	0.97331	4.66E-06	3.91E-05	Up-regulated
NR_045072	CSRNP2	81566	2.25986	1.48439	4.20612	3.84273	0.97186	5.44E-05	0.0003707	Up-regulated
NM_030756	TCF7L2	6934	0.748619	0.865569	1.89785	1.81632	0.9705	0.0007219	0.0038291	Up-regulated
NM_001142281	ARCN1	372	1.47678	0.861183	3.04049	2.50673	0.96958	0.0015449	0.0074504	Up-regulated
NM_001145313	FSD1L	83856	0.216206	0.442854	0.740237	1.1267	0.96949	0.0055322	0.022371	Up-regulated
NM_001851	COL9A1	1297	4.26056	3.83834	8.59486	7.68214	0.96833	2.53E-10	3.60E-09	Up-regulated



NM_001282959	CCAR1	55749	0.518168	0.169926	1.19932	1.18734	0.96822	0.0077218	0.0297759	Up-regulated
NM_001033044	GLUL	2752	23.284	19.6916	41.2177	43.2333	0.96709	1.13E-30	5.55E-29	Up-regulated
NM_001143837	NOX4	50507	0.303849	0.755313	1.39662	1.68608	0.96557	0.0062986	0.0249631	Up-regulated
NM_001033053	NLRP1	22861	0.792552	1.01464	2.33993	1.74757	0.96477	0.0005686	0.0030871	Up-regulated
NM_001321732	DDX41	51428	4.17378	2.78162	7.50407	7.2544	0.96458	4.10E-05	0.0002855	Up-regulated
NM_001243194	INPP5F	22876	0.278438	0.000486	2.03747	2.70256	0.96449	0.0039254	0.0166451	Up-regulated
NM_015559	SETBP1	26040	3.04265	2.87091	6.00132	5.64687	0.96392	3.85E-21	1.21E-19	Up-regulated
NM_002534	OAS1	4938	17.9655	17.6158	32.466	38.2794	0.96386	1.63E-13	3.07E-12	Up-regulated
NM_181501	ITGA1	3672	5.69936	6.05976	11.1792	12.0028	0.96373	3.53E-19	9.88E-18	Up-regulated
NM_014770	AGAP2	116986	1.12541	1.38704	2.98549	2.42178	0.96292	9.08E-05	0.0005885	Up-regulated
NM_004223	UBE2L6	9246	68.8853	65.1377	130.109	131.314	0.96246	1.89E-47	1.59E-45	Up-regulated
NM_145902	HMGA1	3159	12.4752	13.5435	25.531	25.7027	0.96157	2.04E-18	5.39E-17	Up-regulated
NM_021214	ABHD17C	58489	16.2498	15.6089	31.849	30.5781	0.96122	9.01E-26	3.66E-24	Up-regulated
NM_001278500	ADORA2A	135	0.677457	0.375473	1.77609	1.58016	0.96116	0.0076119	0.0294473	Up-regulated
NM_000094	COL7A1	1294	5.69187	6.66573	12.4371	11.8335	0.96081	1.84E-22	6.12E-21	Up-regulated
NR_135504	MAN2A2	4122	0.381669	1.55648	3.72605	2.31436	0.96072	0.0075114	0.0290881	Up-regulated
NM_178232	HAPLN3	145864	19.0712	21.1403	38.9209	40.0193	0.96052	6.07E-23	2.09E-21	Up-regulated
NM_031286	SH3BGRL3	83442	304.043	287.518	573.224	575.222	0.96045	5.92E-109	1.41E-106	Up-regulated
NM_001329429	TP53INP2	58476	5.28138	3.71695	10.6062	8.07446	0.95954	6.81E-06	5.53E-05	Up-regulated
NM_024847	TMC7	79905	0.958039	1.2264	2.11216	2.76739	0.95937	0.0004953	0.0027283	Up-regulated
NM_020729	ODF2L	57489	2.0458	1.27944	3.41767	3.84453	0.95672	0.0002911	0.0016914	Up-regulated
NM_052840	CELF6	60677	2.43909	2.89628	5.36453	5.51271	0.9557	9.52E-07	8.85E-06	Up-regulated
NR_023360	CHRAC1	54108	0.791968	0.726801	1.99714	1.95587	0.95414	0.00466	0.0192683	Up-regulated
NM_001134492	HS2ST1	9653	4.761	3.7471	9.70981	8.40861	0.95323	0.0001048	0.0006727	Up-regulated
NM_001427	EN2	2020	8.05612	7.99365	15.9984	15.3872	0.95302	4.97E-20	1.48E-18	Up-regulated
NM_058175	COL6A2	1292	1.58195	1.30365	3.17637	3.00099	0.95259	0.0001579	0.0009745	Up-regulated
NM_001674	ATF3	467	5.46859	6.39645	14.5452	10.1944	0.9525	2.55E-05	0.0001856	Up-regulated
NM_001288764	DMPK	1760	0.773266	0.898107	2.01238	1.9726	0.95102	0.0025729	0.0115592	Up-regulated
NM_001297775	METTL15	196074	0.308987	0.280359	0.688644	1.21806	0.94989	0.0084568	0.0321688	Up-regulated
NM_001202476	UBE2E1	7324	2.07124	0.781168	3.28614	6.68747	0.94688	0.0093686	0.0350236	Up-regulated
NM_015283	DPY19L1	23333	12.0925	12.7507	24.0827	23.9189	0.94665	5.29E-41	3.65E-39	Up-regulated
NM_001039550	member B2(I	3300	55.7888	50.1978	104.242	100.504	0.94655	4.08E-39	2.62E-37	Up-regulated
NM_001300973	ANKRD42	338699	0.522285	0.728372	1.58612	1.83205	0.9464	0.0063389	0.0251126	Up-regulated
NM_001204459	TNFRSF19	55504	0.521736	0.762138	1.41639	1.65763	0.94618	0.0029549	0.0130001	Up-regulated
NM_004995	MMP14	4323	363.496	367.384	726.514	678.93	0.94558	5.05E-105	1.13E-102	Up-regulated
NM_001256423	ARHGAP19	84986	0.82576	0.301126	2.24963	1.2162	0.9451	0.0086421	0.0327196	Up-regulated
NM_015260	SIN3B	23309	2.77482	2.39103	5.3964	4.89237	0.94509	1.03E-08	1.21E-07	Up-regulated
NM_080730	IFFO1	25900	0.494698	0.871729	2.13444	1.68671	0.94362	0.0071926	0.0280125	Up-regulated
NM_001204817	ZNF587	84914	1.24606	0.564149	1.65464	2.96268	0.94347	0.0049466	0.0202996	Up-regulated
NM_021194	SLC30A1	7779	5.37683	5.02586	9.67788	11.2969	0.94288	8.17E-07	7.68E-06	Up-regulated
NR_138466	MTERFA	130916	0.283061	0.521686	0.749365	1.97713	0.94265	0.009554	0.0355913	Up-regulated
NM_001171629	VEGFA	7422	0.637858	0.808261	1.31869	2.63338	0.94257	0.0068119	0.0267041	Up-regulated
NM_001031804	MAF	4094	0.960252	1.01449	2.10849	1.93455	0.94251	8.08E-06	6.47E-05	Up-regulated
NM_001261412	DCTN2	10540	3.86518	3.27166	7.09594	7.53022	0.94211	1.38E-05	0.0001051	Up-regulated
NM_019891	ERO1B	56605	2.02788	2.51151	4.34549	4.76356	0.94193	3.95E-07	3.87E-06	Up-regulated
NM_001167595	AMACR	23600	0.518954	0.921457	2.06782	1.91135	0.94138	0.0070265	0.0274549	Up-regulated
NM_001286115	THEMIS2	9473	1.77458	0.53041	4.86294	2.98132	0.94087	0.0097588	0.0362271	Up-regulated
NM_001005498	RHBDP2	79651	15.8925	17.6991	33.7454	31.1265	0.93965	1.82E-24	6.83E-23	Up-regulated
NM_001316321	CCDC57	284001	1.95308	2.21061	4.16076	4.02777	0.93852	6.05E-10	8.19E-09	Up-regulated
NM_002842	PTPRH	5794	6.79417	6.45428	13.0071	12.659	0.93832	1.97E-18	5.24E-17	Up-regulated
NM_181303	NLGN3	54413	0.638437	0.939088	3.0992	1.32115	0.9382	0.0077754	0.0299406	Up-regulated
NM_153347	TMEM86A	144110	7.55011	7.51792	14.4212	14.6998	0.93696	4.27E-20	1.28E-18	Up-regulated
NM_148919	PSMB8	5696	72.9808	69.695	136.005	137.451	0.9367	1.55E-42	1.12E-40	Up-regulated
NM_080679	COL11A2	1302	5.54795	6.39673	11.4911	11.5967	0.93619	5.74E-19	1.58E-17	Up-regulated
NM_020307	CCNL1	57018	17.8172	19.9231	34.0874	38.7547	0.93431	3.93E-19	1.09E-17	Up-regulated
NM_003530	HIST1H3D	8351	3.2208	2.95972	8.41065	6.70334	0.9335	0.0045553	0.0188965	Up-regulated
NM_001286971	CENPP	401541	0.487281	0.823121	1.80026	1.82271	0.9329	0.0080988	0.0310106	Up-regulated
NM_006238	PPARD	5467	13.86	14.6743	28.4169	26.3101	0.93256	4.01E-28	1.81E-26	Up-regulated
NM_000611	CD59	966	34.5575	34.6817	65.5103	66.3109	0.93212	3.01E-153	1.34E-150	Up-regulated
NM_001282100	YAP1	10413	2.01006	2.91609	4.49992	5.61128	0.93193	3.04E-05	0.0002174	Up-regulated
NM_012417	PITPNC1	26207	0.527209	0.385023	1.22451	0.928453	0.93156	0.0032655	0.014174	Up-regulated
NM_183004	EIF5	1983	0.105711	0.381127	0.817295	0.9843	0.93111	0.0107867	0.0394983	Up-regulated
NM_001130144	LTBP3	4054	8.46784	9.82359	17.8308	17.3564	0.93021	9.44E-20	2.75E-18	Up-regulated
NM_001001342	BLOC1S2	282991	0.537057	0.626187	1.5771	1.5392	0.93016	0.007085	0.0276495	Up-regulated
NM_014143	CD27A	29126	0.581786	0.351074	1.14042	1.42431	0.92935	0.0079997	0.0306745	Up-regulated
NM_004843	IL27RA	9466	20.4792	20.952	39.9647	39.1481	0.92931	1.03E-36	6.14E-35	Up-regulated
NM_018177	N4BP2	55728	0.392604	0.566864	0.855765	1.35857	0.92923	0.0025253	0.0113774	Up-regulated
NM_004099	STOM	2040	76.3602	74.8688	144.252	143.026	0.92889	2.97E-133	9.94E-131	Up-regulated
NM_016639	TNFRSF12A	51330	90.9302	94.1591	178.056	174.399	0.92839	1.70E-48	1.47E-46	Up-regulated
NM_015474	SAMHD1	25939	11.9593	13.1847	23.56	24.6645	0.92822	3.80E-22	1.25E-20	Up-regulated
NM_004979	KCND1	3750	0.812674	0.78447	1.75237	1.66803	0.92483	0.0006353	0.0034128	Up-regulated
NM_001195192	EFCAB13	124989	0.790623	0.635302	1.98563	1.46675	0.92347	0.0043985	0.0183295	Up-regulated
NM_001243374	CLCN3	1182	3.18588	3.43437	6.59036	6.1855	0.92345	6.93E-13	1.23E-11	Up-regulated
NM_182931	KMT2E	55904	7.8472	10.0935	17.5651	16.9903	0.922	1.21E-13	2.30E-12	Up-regulated
NM_001174120	ZFYVE27	118813	0.0267506	0.611547	2.97692	3.26257	0.92148	0.006967	0.0272373	Up-regulated
NM_001253846	GMD5	2762	4.96916	4.11035	7.86583	11.8502	0.9211	0.0010291	0.0052352	Up-regulated
NM_012183	FOXO3	27022	29.4672	28.6378	57.4703	52.9566	0.92014	1.92E-29	9.02E-28	Up-regulated
NM_030912	TRIM8	81603	21.0722	20.1454	40.345	37.9141	0.9192	5.00E-31	2.49E-29	Up-regulated
NM_001317894	TOR1B	27348	1.56261	0.535934	3.72587	3.27976	0.91918	0.0116332	0.0420497	Up-regulated
NM_002801	PSMB10	5699	29.8194	29.085	54.9831	57.7068	0.91797	1.84E-15	4.06E-14	Up-regulated
NM_174919	ARHGAP27	201176	1.24096	1.00101	3.65377	2.74144	0.91705	0.0099952	0.0369897	Up-regulated
NM_139157	ST5	6764	2.61921	6.50966	12.1163	16.6325	0.9167	0.0115156	0.0417057	Up-regulated
NM_014831	TRANK1	9881	2.93198	1.57204	4.84249	4.44355	0.91666	0.0001621	0.0009967	Up-regulated
NM_138717	PPT2	9374	13.1856	11.8682	23.8385	24.2359	0.91596	3.06E-13	5.60E-12	Up-regulated

NM_198281	GPRIN3	285513	2.17796	2.25231	4.06989	4.50519	0.91423	1.53E-09	1.99E-08	Up-regulated
NM_001318199	SNX10	29887	10.0463	5.70904	13.3589	19.8443	0.9138	0.0005639	0.0030647	Up-regulated
NM_012259	HEY2	23493	0.956696	1.41696	2.70288	2.79205	0.9138	0.0032435	0.0140818	Up-regulated
NM_001322991	KALRN	8997	0.643521	0.504226	1.12332	1.3996	0.91375	0.0016239	0.0077764	Up-regulated
NM_001145909	TANC1	85461	0.207401	0.733434	1.19983	1.61334	0.91261	0.0113719	0.041293	Up-regulated
NM_001329226	LRP10	26020	0.43363	1.18694	1.78306	2.64353	0.91199	0.0097747	0.036272	Up-regulated
NM_005194	CEBPB	1051	78.3807	76.2715	147.978	142.57	0.91147	4.98E-76	8.00E-74	Up-regulated
NM_013993	DDR1	780	25.2894	18.7649	38.1532	46.8479	0.91086	1.75E-09	2.25E-08	Up-regulated
NM_018984	SSH1	54434	23.5595	24.9686	46.3994	44.7563	0.91047	1.07E-72	1.56E-70	Up-regulated
NM_078474	TM2D3	80213	3.79482	5.74147	9.39325	10.8324	0.90928	0.0008946	0.0046435	Up-regulated
NM_001040429	PCDH17	27253	0.116632	0.225131	0.558815	0.461848	0.90865	0.0117687	0.0424434	Up-regulated
NM_007315	STAT1	6772	62.1816	62.6301	113.994	119.835	0.90801	2.09E-97	4.20E-95	Up-regulated
NM_005726	TSMF	10102	22.799	22.1827	42.011	42.7076	0.9076	2.11E-28	9.69E-27	Up-regulated
NM_001145265	SLC35C1	55343	3.05564	5.14864	9.44373	7.56079	0.90701	0.0003656	0.00208	Up-regulated
NM_004389	CTNNA2	1496	0.639397	0.630884	1.42141	1.46332	0.90676	0.0033664	0.014559	Up-regulated
NM_001387	DPYSL3	1809	1.15976	1.51234	2.77862	2.64253	0.90622	9.72E-05	0.0006276	Up-regulated
NM_145040	PRKCDDBP	112464	195.221	180.355	361.647	342.145	0.90604	3.58E-48	3.08E-46	Up-regulated
NM_006417	IFI44	10561	30.3445	26.901	53.2203	54.7837	0.90599	1.00E-21	3.24E-20	Up-regulated
NM_030911	CDADC1	81602	0.493777	1.17887	1.81997	2.83672	0.90589	0.0107441	0.0393799	Up-regulated
NM_014001	GGA3	23163	1.3872	1.06942	2.51718	2.6252	0.9056	0.0006106	0.0032904	Up-regulated
NM_015548	DST	667	3.93233	5.41515	9.53659	8.39826	0.90532	8.27E-10	1.11E-08	Up-regulated
NM_001858	COL19A1	1310	6.59621	7.07542	12.5666	13.0901	0.90356	8.93E-33	4.73E-31	Up-regulated
NM_016546	C1RL	51279	8.52936	10.2177	18.838	16.8344	0.90308	9.83E-12	1.57E-10	Up-regulated
NM_001284245	SIPAIL1	26037	1.9018	1.96276	3.97782	3.446	0.90252	4.66E-09	5.76E-08	Up-regulated
NM_004416	DTX1	1840	0.700284	0.579519	1.47664	1.5726	0.9015	0.0060871	0.0242356	Up-regulated
NM_003528	HIST2H2BE	8349	6.29619	5.80259	11.0311	12.2948	0.90032	5.13E-08	5.61E-07	Up-regulated
NM_001135732	TOM1	10043	4.1368	4.38488	8.08564	8.46782	0.90011	5.64E-07	5.42E-06	Up-regulated
NM_000396	CTSK	1513	2.20794	2.64436	4.99002	5.2319	0.89931	0.0010296	0.0052361	Up-regulated
NM_014746	RNF144A	9781	11.1341	10.7697	20.5061	20.4122	0.89918	5.73E-41	3.94E-39	Up-regulated
NM_005929	MELTF	4241	0.424798	0.432621	0.942306	1.23751	0.8989	0.0091912	0.0344618	Up-regulated
NM_032098	PCDHGB4	8641	1.51073	2.43252	4.79456	3.89841	0.8986	0.0026891	0.0120019	Up-regulated
NM_023072	ZSWIM4	65249	7.54246	8.12902	15.3091	14.1457	0.8976	5.49E-18	1.42E-16	Up-regulated
NM_004126	GNG11	2791	94.1833	75.2616	159.082	160.054	0.89659	8.61E-15	1.80E-13	Up-regulated
NM_181711	GRASP	160622	20.6229	21.499	38.7176	39.9719	0.89449	1.62E-23	5.78E-22	Up-regulated
NM_020748	INTS2	57508	0.130303	0.000183	0.767284	1.2746	0.89446	0.0065537	0.025851	Up-regulated
NM_001330488	PHC2	1912	17.3612	18.1251	33.6289	32.407	0.89296	1.70E-37	1.04E-35	Up-regulated
NM_014475	DHDH	27294	1.8909	1.37924	4.57174	4.2232	0.89263	0.0115902	0.041926	Up-regulated
NM_181866	ACOT7	11332	7.19592	7.87347	12.2706	18.1678	0.8926	0.0002509	0.001478	Up-regulated
NM_001135806	SYT1	6857	1.06723	0.651225	2.69308	1.49346	0.89254	0.0079875	0.0306336	Up-regulated
NM_020972	ZFYVE28	57732	2.90629	3.25891	5.77062	6.01377	0.88961	3.84E-08	4.26E-07	Up-regulated
NM_001033568	RHOT1	55288	0.724509	0.743849	1.47468	1.93097	0.88914	0.005969	0.0238399	Up-regulated
NM_002206	ITGA7	3679	2.38789	2.39003	4.19289	5.09142	0.888	6.01E-06	4.96E-05	Up-regulated
NM_004048	B2M	567	1264.28	1204.88	2237.56	2317.79	0.88786	3.48E-108	8.20E-106	Up-regulated
NM_001318728	ZNF532	55205	4.456	5.56859	11.1752	8.14355	0.88745	1.23E-06	1.13E-05	Up-regulated
NM_138821	PAM	5066	3.53237	2.67452	5.1684	7.01762	0.88685	3.67E-05	0.0002578	Up-regulated
NR_119376	FER1L4	80307	0.962396	1.26771	2.24742	2.17096	0.88601	8.08E-05	0.0005299	Up-regulated
NM_032199	ARID5B	84159	0.574197	0.658116	1.27991	1.20856	0.88541	0.0003591	0.0020461	Up-regulated
NM_031448	C19orf12	83636	6.20925	5.37323	11.2427	10.4689	0.88525	8.60E-13	1.51E-11	Up-regulated
NM_014806	RUSC2	9853	6.50482	6.89939	12.6211	12.2781	0.8852	2.80E-22	9.27E-21	Up-regulated
NR_027406	OC10012903	1E+08	7.7585	6.88589	14.0429	13.215	0.88513	4.71E-19	1.31E-17	Up-regulated
NM_001005914	SEMA3B	7869	11.4243	14.4491	25.9141	22.9025	0.88508	4.00E-10	5.56E-09	Up-regulated
NM_001122	PLIN2	123	32.3347	33.8534	61.5305	60.8188	0.88357	4.58E-36	2.66E-34	Up-regulated
NM_030963	RNF146	81847	1.02011	0.667719	2.59729	1.78337	0.88305	0.0118063	0.0425628	Up-regulated
NR_073130	CDH19	28513	1.02805	1.23252	2.1126	2.34612	0.88286	6.89E-05	0.0004584	Up-regulated
NM_175839	SMOX	54498	10.7496	11.2768	19.7821	21.3391	0.8806	2.23E-13	4.14E-12	Up-regulated
NM_003006	SELPLG	6404	2.7689	3.36134	6.34481	5.68767	0.88026	6.34E-05	0.0004249	Up-regulated
NM_144778	MBNL2	10150	0.799411	0.766582	1.99541	1.39971	0.87944	0.0033154	0.0143614	Up-regulated
NM_001282958	EIF4E2	9470	1.39055	0.737287	1.87091	3.44843	0.87943	0.0106143	0.0389565	Up-regulated
NM_001322033	ACTN4	81	2.97966	2.53738	5.04381	5.50951	0.87912	1.71E-06	1.53E-05	Up-regulated
NM_001251825	SP1	6667	0.251763	0.215755	0.647902	0.499452	0.8791	0.0103153	0.0380343	Up-regulated
NM_006818	MLLT11	10962	91.8511	85.2303	157.651	168.072	0.87898	9.33E-47	7.62E-45	Up-regulated
NM_001009933	DNASE1L1	1774	1.12717	1.35188	2.90748	2.44235	0.8776	0.0031163	0.0135845	Up-regulated
NM_018934	PCDHB14	56122	2.10708	2.31119	4.1641	4.32247	0.87715	4.88E-06	4.07E-05	Up-regulated
NM_014656	KIAA0040	9674	1.06191	0.891406	2.50967	1.66804	0.87671	0.0030113	0.0132085	Up-regulated
NR_038190	AGER	177	1.56321	1.09779	4.12344	2.66164	0.87648	0.0119163	0.042911	Up-regulated
NM_001306188	MOSPD1	56180	6.44283	7.28244	12.0205	13.9687	0.87638	1.53E-07	1.59E-06	Up-regulated
NM_001321968	ATAD1	84896	0.393069	0.301359	1.10912	0.754479	0.87579	0.0137901	0.0485536	Up-regulated
NR_028504	MIR22HG	84981	2.36257	3.45902	5.93946	6.65307	0.87573	0.0038266	0.0162983	Up-regulated
NM_002468	MYD88	4615	18.5122	18.2046	32.5184	35.1713	0.87559	1.33E-25	5.36E-24	Up-regulated
NM_001347425	M_00134742	NA	0.182985	0.916231	6.98726	3.55918	0.87559	0.0095067	0.0354499	Up-regulated
NM_000785	CYP27B1	1594	1.58302	1.8525	3.84602	3.26507	0.87508	0.0016267	0.0077858	Up-regulated
NM_001271561	PRNP	5621	34.2226	29.9011	60.2504	57.7991	0.87477	1.63E-25	6.48E-24	Up-regulated
NM_001136562	AKAP2	11217	3.42827	3.55804	6.91061	6.08611	0.87394	3.81E-12	6.29E-11	Up-regulated
NM_001559	IL12RB2	3595	3.79124	4.18031	7.31109	7.60492	0.87275	1.22E-09	1.60E-08	Up-regulated
NM_003873	NRP1	8829	0.540458	0.263459	0.844552	1.25408	0.87243	0.013284	0.0470438	Up-regulated
NM_001256647	NR1H2	7376	2.30266	3.02391	4.00974	8.7831	0.87168	0.0101263	0.0374387	Up-regulated
NR_002771	DLEU2L	79469	4.12014	3.95642	7.48114	8.45588	0.87158	0.0001699	0.0010394	Up-regulated
NR_134470	ILIRAP	3556	2.8221	2.62828	5.62974	5.19	0.87148	0.00032	0.001844	Up-regulated
NM_005817	PLIN3	10226	57.3336	53.8635	103.745	99.5844	0.87065	4.98E-49	4.36E-47	Up-regulated
NM_001314077	alpha)(PROS1	5627	12.4653	13.6115	21.8268	26.5088	0.86996	1.31E-12	2.27E-11	Up-regulated
NM_001329672	ARRDC3	57561	0.487395	0.464241	0.846498	1.67372	0.86989	0.0141841	0.0497759	Up-regulated
NM_001734	C1S	716	1.39906	0.703771	2.42334	2.70819	0.86907	0.0110038	0.0401599	Up-regulated
NM_017414	USP18	11274	22.3974	20.5618	36.7869	42.5888	0.86846	2.52E-14	5.10E-13	Up-regulated
NM_015490	SEC31B	25956	0.819086	1.05678	1.79614	2.06131	0.8675	0.0016395	0.0078353	Up-regulated

NM_002291	LAMB1	3912	49.8032	51.212	91.3135	92.2851	0.86528	4.86E-122	1.35E-119	Up-regulated
NM_003246	THBS1	7057	22.7963	25.2071	43.1773	44.228	0.86326	3.95E-43	2.93E-41	Up-regulated
NM_152891	PRSS33	260429	1.40839	1.13093	2.65997	3.46484	0.86229	0.0115211	0.0417157	Up-regulated
NM_000544	TAP2	6891	12.2565	15.6502	24.934	26.4833	0.86203	7.22E-13	1.28E-11	Up-regulated
NM_181809	BMP8A	353500	0.25866	0.465216	0.905293	0.884058	0.86185	0.0129386	0.0460089	Up-regulated
NR_024012	TEX264	51368	6.78036	5.94091	10.2306	16.316	0.86167	0.0029469	0.012971	Up-regulated
NM_000435	NOTCH3	4854	0.246832	0.255242	0.613496	0.532286	0.86122	0.0088296	0.0332952	Up-regulated
NM_013376	SERTAD1	29950	22.528	16.2255	35.4305	37.8871	0.86121	2.86E-06	2.47E-05	Up-regulated
NM_001320114	NUMB	8650	1.82207	2.23429	3.90838	3.97199	0.86094	0.0001208	0.0007652	Up-regulated
NM_001277732	AOC3	8639	1.75975	1.99482	3.94101	3.68443	0.85974	0.0011998	0.0059889	Up-regulated
NM_198595	AFAP1	60312	6.14453	6.81422	12.1097	11.5395	0.85952	1.65E-21	5.25E-20	Up-regulated
NM_001267056	CASP7	840	5.78185	5.69905	11.3581	10.0846	0.8595	8.64E-08	9.19E-07	Up-regulated
NM_001282500	TTC1	7265	2.37407	4.10869	8.12058	6.19807	0.85927	0.0065265	0.0257541	Up-regulated
NM_001287601	THAP5	168451	0.86263	0.559277	2.05364	1.38656	0.85807	0.0128406	0.0457307	Up-regulated
NM_002114	HIVEP1	3096	1.76203	2.27319	3.83922	3.70743	0.85773	2.24E-07	2.27E-06	Up-regulated
NM_004998	MYO1E	4643	27.3511	26.7083	49.2138	48.5941	0.85723	1.75E-72	2.52E-70	Up-regulated
NM_002516	NOVA2	4858	0.554059	0.579684	1.08529	1.17434	0.85684	0.000926	0.0047809	Up-regulated
NM_006933	SLC5A3	6526	27.2	30.3193	51.5617	52.5061	0.85486	4.56E-46	3.67E-44	Up-regulated
NM_024119	DHX58	79132	13.3492	13.7792	25.1722	24.1912	0.85446	2.38E-19	6.79E-18	Up-regulated
NM_025194	ITPKC	80271	6.55098	5.96649	11.4988	11.4761	0.85412	8.09E-12	1.30E-10	Up-regulated
NM_001025160	ADGRE5	976	15.0948	18.405	30.6111	30.5408	0.85386	1.36E-14	2.80E-13	Up-regulated
NM_004913	VPS9D1	9605	8.56046	8.31641	15.5929	15.2276	0.85303	2.02E-13	3.76E-12	Up-regulated
NM_001024455	RGAG4	340526	2.49007	2.01129	4.74445	3.87065	0.85257	7.46E-05	0.0004926	Up-regulated
NR_024470	LCO4A1-AS1	1E+08	5.44472	4.81655	10.5448	9.41197	0.85251	0.0002186	0.001305	Up-regulated
NM_001130140	ERAP2	64167	7.30548	7.1754	12.2713	14.1205	0.85219	4.00E-15	8.59E-14	Up-regulated
NM_001199179	ATP2C1	27032	1.05207	0.972367	2.13828	1.86362	0.85163	0.000636	0.0034153	Up-regulated
NM_001319943	PAM	5066	2.22437	2.55883	4.72675	4.16047	0.84984	3.21E-07	3.17E-06	Up-regulated
NM_012262	HS2ST1	9653	8.76503	8.51081	14.9762	16.2654	0.84931	2.56E-26	1.08E-24	Up-regulated
NM_005418	ST5	6764	5.04563	4.19247	11.1061	6.77819	0.84897	0.0002582	0.0015167	Up-regulated
NM_015433	METTL21B	25895	1.54673	1.51942	3.20146	2.9809	0.84881	0.0016929	0.0080634	Up-regulated
NM_001330183	SLFN5	162394	9.00546	8.28617	15.1255	16.0442	0.8472	1.04E-31	5.33E-30	Up-regulated
NM_018936	PCDHB2	56133	9.72986	8.89217	17.1255	16.7401	0.84612	1.92E-13	3.58E-12	Up-regulated
NM_001320570	ADAM10	102	1.6349	0.757478	2.00803	3.59961	0.84603	0.0123885	0.0444105	Up-regulated
NM_001142616	EHBP1	23301	13.5153	14.8647	26.1449	25.0171	0.84599	4.41E-27	1.92E-25	Up-regulated
NM_020860	STIM2	57620	7.03987	7.03667	13.8726	11.7423	0.84577	8.09E-13	1.43E-11	Up-regulated
NM_001101802	PHF21A	51317	3.51967	3.39496	5.62516	7.08401	0.84519	1.49E-08	1.73E-07	Up-regulated
NM_002184	IL6ST	3572	7.21652	8.58269	14.4365	14.161	0.84517	4.36E-18	1.14E-16	Up-regulated
NM_001288999	GMIP	51291	1.16947	1.86854	3.82695	2.63363	0.84514	0.0056331	0.0227215	Up-regulated
NM_005560	LAMA5	3911	1.69177	1.62227	3.02532	3.01214	0.84391	8.68E-12	1.39E-10	Up-regulated
NM_006244	PPP2R5B	5526	9.72717	10.3308	18.0636	18.287	0.84289	6.68E-15	1.41E-13	Up-regulated
NM_203386	RNH1	6050	1.99993	1.47018	2.92407	5.20184	0.84264	0.0128179	0.0456756	Up-regulated
NM_020898	CALCOCO1	57658	22.5031	21.923	40.6725	39.0414	0.84115	9.19E-34	5.03E-32	Up-regulated
NM_032947	SMIM3	85027	25.931	22.8247	42.3208	45.617	0.84087	4.96E-18	1.28E-16	Up-regulated
NM_019624	ABC9A	23457	1.14981	1.00082	3.00883	1.73487	0.84011	0.0094976	0.0354295	Up-regulated
NM_001849	COL6A2	1292	84.2212	89.3771	157.34	152.967	0.8401	4.65E-72	6.63E-70	Up-regulated
NM_001304547	MVB12A	93343	4.01875	3.28786	5.85384	9.82983	0.83919	0.0073792	0.02864	Up-regulated
NM_001320663	SHROOM2	357	5.99335	6.0073	11.0721	10.5641	0.83898	7.78E-16	1.75E-14	Up-regulated
NM_014624	S100A6	6277	22.14.83	2059.87	3727.93	3887.98	0.83771	2.66E-64	3.30E-62	Up-regulated
NM_014570	ARFGAP3	26286	12.0514	11.4576	21.6113	20.6625	0.83711	4.41E-17	1.07E-15	Up-regulated
NM_032263	IQC6	84223	6.84781	6.49601	12.014	12.4126	0.83695	1.98E-08	2.26E-07	Up-regulated
NM_001860	SLC31A2	1318	4.07859	4.38035	7.4728	8.74279	0.83675	0.0002164	0.0012924	Up-regulated
NM_182765	HECTD2	143279	1.03404	1.08688	1.89154	2.25939	0.83652	0.000835	0.0043626	Up-regulated
NM_145298	APOBEC3F	200316	2.63129	2.22614	4.03427	5.08579	0.83652	3.76E-05	0.0002636	Up-regulated
NM_212502	CDK18	5129	9.07358	9.43053	16.9368	16.3942	0.83613	1.45E-15	3.21E-14	Up-regulated
NM_002249	KCNN3	3782	0.301672	0.242226	0.501444	0.621321	0.83592	0.0044612	0.0185588	Up-regulated
NM_001323970	TIAL1	7073	0.547402	0.969415	1.82141	1.60566	0.83585	0.0114734	0.0416138	Up-regulated
NM_015508	se) polymerase	25976	4.34883	2.98644	7.63167	6.26157	0.83452	0.0001385	0.0008673	Up-regulated
NM_017586	CACFD1	11094	4.51149	5.82511	9.60136	9.53643	0.83402	4.86E-06	4.06E-05	Up-regulated
NM_014807	C2CD2L	9854	2.46847	2.5699	5.16346	4.30564	0.8329	7.23E-05	0.0004789	Up-regulated
NR_134466	CARD19	84270	63.7864	58.8942	115.193	104.568	0.83167	1.53E-17	3.83E-16	Up-regulated
NM_019594	LRRC8A	56262	21.8655	21.9657	39.3953	38.5077	0.83033	3.78E-49	3.32E-47	Up-regulated
NR_047521	LINC01128	643837	0.961587	1.25354	1.96042	2.28902	0.82972	0.000443	0.0024698	Up-regulated
NM_006873	STON1	11037	2.15782	1.28618	3.51704	3.22994	0.82919	0.0013469	0.0066381	Up-regulated
NM_001142478	NREP	9315	9.12677	9.22737	16.909	16.2052	0.82908	4.72E-10	6.49E-09	Up-regulated
NM_001165967	HES7	84667	4.43274	4.38446	8.83789	7.81594	0.82869	0.0002115	0.0012674	Up-regulated
NM_016332	MSRB1	51734	37.2024	36.1162	66.8208	63.813	0.82849	1.10E-22	3.74E-21	Up-regulated
NM_001098784	FAM89B	23625	6.65892	7.08198	12.6819	12.78	0.82828	1.61E-05	0.0001214	Up-regulated
NM_020733	HEG1	57493	3.68957	4.16099	6.9607	7.10224	0.82808	5.15E-16	1.16E-14	Up-regulated
NM_003407	ZFP36	7538	6.68114	7.22935	13.1659	12.3449	0.82791	2.05E-06	1.82E-05	Up-regulated
NM_005533	IFI35	3430	54.1138	62.0983	110.486	97.5437	0.82787	8.62E-15	1.80E-13	Up-regulated
NM_001142614	EHBP1	23301	12.9621	13.0006	23.9185	22.2551	0.8278	6.15E-28	2.77E-26	Up-regulated
NM_006521	TFE3	7030	13.9685	13.5381	26.4908	22.7331	0.82715	1.09E-14	2.26E-13	Up-regulated
NM_003374	VDAC1	7416	2.17466	3.9203	7.65372	5.34561	0.82673	0.0083047	0.0316785	Up-regulated
NM_000935	PLOD2	5352	8.13141	9.43695	16.3953	15.1471	0.82635	1.88E-12	3.21E-11	Up-regulated
NM_203394	E2F7	144455	6.19802	6.5487	11.1091	11.6159	0.82546	1.13E-18	3.03E-17	Up-regulated
NM_006096	NDRG1	10397	134.326	131.751	237.227	232.839	0.82499	2.53E-133	8.62E-131	Up-regulated
NM_021105	PLSCR1	5359	53.0207	51.4135	90.1929	94.7696	0.82485	1.67E-44	1.28E-42	Up-regulated
NM_025144	ALPK1	80216	1.41146	1.18492	2.63907	2.27773	0.8247	0.0002958	0.0017161	Up-regulated
NM_002566	P2RY11	5032	6.90672	6.61976	11.6872	13.0049	0.82461	8.12E-07	7.65E-06	Up-regulated
NM_177401	MIDN	90007	20.4998	21.6256	38.6218	36.0915	0.82427	8.53E-30	4.09E-28	Up-regulated
NM_005261	GEM	2669	1.24029	0.943826	2.61052	2.29715	0.82309	0.0127759	0.0455598	Up-regulated
NM_001164469	MEK7-TICAM1	1E+08	3.17544	2.53891	5.09093	5.46324	0.82038	2.72E-05	0.0001963	Up-regulated
NR_033403	BMP1	649	1.89013	1.90285	2.77872	4.83758	0.81984	0.0041051	0.0172918	Up-regulated
NM_001127183	CFLAR	8837	1.34382	1.21209	2.21706	2.4089	0.81879	2.00E-07	2.04E-06	Up-regulated

NM_001699	AXL	558	0.913509	0.871527	1.7639	1.72404	0.81879	0.0019624	0.0091496	Up-regulated
NM_138287	DTX3L	151636	19.7549	19.8339	34.8702	34.8641	0.81816	5.95E-59	6.43E-57	Up-regulated
NM_007350	PHLDA1	22822	88.0894	86.6175	150.925	156.346	0.81813	2.49E-122	7.00E-120	Up-regulated
NM_152280	SYT11	23208	5.55573	6.20838	10.0377	10.9446	0.81771	1.09E-12	1.90E-11	Up-regulated
NM_001032395	ADGRG6	57211	0.471698	0.534791	0.966587	1.05276	0.81713	0.0044332	0.0184545	Up-regulated
NR_126032	MEMO1	51072	2.72378	2.06544	4.78397	4.92176	0.81646	0.0057271	0.0230278	Up-regulated
NM_001317137	PFKFB4	5210	0.911766	1.0816	2.10782	1.94115	0.81645	0.0049177	0.0202042	Up-regulated
NR_027487	LOC146880	146880	3.33698	4.3555	8.17709	6.27159	0.8162	0.0003474	0.001986	Up-regulated
NM_033034	TRIM5	85363	8.1682	7.89095	13.3366	15.3016	0.81572	5.33E-11	8.04E-10	Up-regulated
NM_004510	SP110	3431	8.31289	7.79921	13.9663	14.9736	0.81511	2.60E-08	2.94E-07	Up-regulated
NM_032824	TMEM87B	84910	11.9077	12.2352	20.6161	21.9306	0.81452	4.52E-28	2.04E-26	Up-regulated
NM_001423	EMP1	2012	93.8726	94.0409	162.216	167.448	0.81426	2.31E-93	4.51E-91	Up-regulated
NM_001271028	CDH19	28513	0.402224	0.509052	1.07442	0.874669	0.81397	0.0106087	0.0389435	Up-regulated
NM_001077242	DEPDC7	91614	6.54477	5.55487	10.3935	11.8197	0.81281	5.59E-05	0.0003794	Up-regulated
NM_133471	PPP1R18	170954	17.469	16.612	29.4193	30.4663	0.81221	6.45E-35	3.61E-33	Up-regulated
NR_033659	STAT6	6778	3.02302	3.60691	7.7579	4.86332	0.81199	0.0010166	0.0051839	Up-regulated
NM_001225	CASP4	837	16.3512	14.2213	25.5202	29.5555	0.81194	4.93E-07	4.78E-06	Up-regulated
NM_001243076	E2F3	1871	3.84444	4.04269	6.65492	7.47099	0.81193	1.86E-08	2.14E-07	Up-regulated
NM_005668	ST8SIA4	7903	0.562183	0.666706	1.13456	1.29484	0.81178	0.0037056	0.0158501	Up-regulated
NM_001174166	SLC16A6	9120	9.35806	10.9002	16.0951	20.2149	0.81144	2.48E-08	2.81E-07	Up-regulated
NM_001321193	TBL1XR1	79718	0.425863	0.977522	1.48998	1.55876	0.81126	0.0126362	0.0451541	Up-regulated
NM_020959	AN08	57719	20.1957	22.5982	39.2468	36.0913	0.81036	1.86E-21	5.90E-20	Up-regulated
NM_004586	RPS6KA3	6197	12.3675	12.2788	20.8503	22.4045	0.81026	5.57E-36	3.22E-34	Up-regulated
NM_201574	SLC4A3	6508	3.08657	2.08362	4.79218	4.8573	0.80998	0.0003352	0.0019232	Up-regulated
NM_032242	PLXNA1	5361	37.3355	38.2346	68.3152	63.8704	0.80852	7.08E-63	8.51E-61	Up-regulated
NM_181358	HIPK1	204851	2.16652	1.66497	3.38385	3.59284	0.80821	1.43E-05	0.0001088	Up-regulated
NM_001285444	PDXDC1	23042	1.75432	1.84894	3.29174	3.30497	0.80809	3.83E-05	0.0002683	Up-regulated
NM_197939	RNF135	84282	1.77226	2.07746	4.30869	3.43164	0.80802	0.0065601	0.025859	Up-regulated
NM_006910	RBBP6	5930	2.84186	3.01281	5.90177	4.63592	0.80714	9.70E-07	9.01E-06	Up-regulated
NM_003936	CDK5R2	8941	1.74162	2.06253	3.67287	3.64989	0.80646	0.0021803	0.0100093	Up-regulated
NM_203384	RNH1	6050	3.51863	3.59487	6.1838	7.27151	0.80632	0.0008448	0.0044065	Up-regulated
NM_001122630	CDKN1C	1028	2.51824	5.80486	9.72949	8.09445	0.80624	0.0127849	0.0455834	Up-regulated
NM_001424	EMP2	2013	17.2038	16.633	30.2884	28.9035	0.80574	1.97E-37	1.20E-35	Up-regulated
NM_001042724	NECTIN2	5819	6.56784	7.03303	11.5768	12.6092	0.8056	3.71E-09	4.62E-08	Up-regulated
NM_031500	PCDHA4	56144	1.43152	1.22794	2.44502	2.9546	0.8055	0.0070506	0.0275324	Up-regulated
NR_131012	stein coding)(	283131	2.9292	5.21471	9.3703	7.79599	0.80533	0.0113377	0.0411843	Up-regulated
NM_203349	SHC4	399694	4.58517	4.70152	7.6293	8.90618	0.8053	8.10E-09	9.69E-08	Up-regulated
NR_033440	PAM	5066	1.02923	1.03563	1.64482	2.41094	0.80507	0.0035703	0.0153437	Up-regulated
NM_006663	PPP1R13L	10848	7.83842	7.87638	14.8907	12.9931	0.80473	5.33E-10	7.27E-09	Up-regulated
NM_001001665	CYP27C1	339761	1.77481	2.39474	4.09525	3.62494	0.80421	0.000266	0.0015583	Up-regulated
NM_001331011	ITSN1	6453	0.492831	0.898278	1.61305	1.37144	0.80415	0.0131499	0.0466496	Up-regulated
NM_021127	PMALP1	5366	15.0756	14.2303	24.8925	26.7687	0.80371	2.93E-12	4.88E-11	Up-regulated
NM_001195798	LDLR	3949	0.697636	1.40043	2.55806	1.87754	0.80331	0.0126075	0.0450684	Up-regulated
NM_198040	PHC2	1912	12.7598	13.6354	24.5612	21.7981	0.80274	4.27E-16	9.71E-15	Up-regulated
NM_031449	ZMIZ2	83637	3.00932	2.97487	5.47192	5.1628	0.80262	2.16E-08	2.47E-07	Up-regulated
NM_001300988	PTBP2	58155	0.593943	0.766894	1.49491	1.43188	0.80261	0.0138361	0.0486863	Up-regulated
NM_001290	LDB2	9079	3.72261	2.08136	6.28813	5.25903	0.80232	0.0057455	0.0230727	Up-regulated
NM_001130158	MYO1B	4430	4.46969	3.81869	7.52071	7.18263	0.80216	3.55E-09	4.43E-08	Up-regulated
NM_001164189	PLIN3	10226	2.94398	3.02283	4.79098	6.52157	0.80047	0.0014761	0.0071658	Up-regulated
NM_001322272	CPSF2	53981	0.605602	1.28421	2.00895	2.01381	0.79965	0.0134461	0.0475502	Up-regulated
NM_001308824	SF3B1	23451	4.67824	4.85668	8.68197	8.51394	0.79867	1.34E-05	0.0001026	Up-regulated
NM_001195278	TMEM178B	1E+08	0.795098	0.783455	1.3501	1.52187	0.79792	5.55E-05	0.000377	Up-regulated
NM_001272095	STX4	6810	5.91396	5.3401	8.86557	12.1147	0.79737	0.0008822	0.0045867	Up-regulated
NM_001321783	FAM208B	54906	2.13788	1.46204	4.99782	2.27808	0.7967	0.0083139	0.0317072	Up-regulated
NM_001282551	BTBD3	22903	2.47938	2.12085	3.65899	4.76333	0.79571	0.0002084	0.0012507	Up-regulated
NM_005863	NET1	10276	2.91873	2.76595	4.91894	5.2523	0.79407	4.59E-06	3.85E-05	Up-regulated
NM_003107	SOX4	6659	62.4756	63.3346	108.842	108.735	0.79389	3.77E-117	9.62E-115	Up-regulated
NM_001319842	CAPRN2	65981	2.80916	3.76144	5.54268	6.37555	0.79374	5.71E-05	0.0003863	Up-regulated
NM_001346890	M_00134689	NA	0.803161	1.47872	2.52328	2.29817	0.79354	0.0142498	0.0499853	Up-regulated
NM_022872	IFI6	2537	167.394	157.802	292.427	270.482	0.79182	4.40E-29	2.05E-27	Up-regulated
NM_201383	PLEC	5339	15.5667	21.3454	35.3009	32.1529	0.79167	0.0002193	0.0013089	Up-regulated
NM_182914	SYNE2	23224	0.87427	0.965914	1.41824	1.86861	0.79119	6.26E-06	5.14E-05	Up-regulated
NM_001903	CTNNA1	1495	143.034	146.23	247.009	251.921	0.79048	6.81E-131	2.10E-128	Up-regulated
NM_001191060	SLC25A22	79751	4.02579	4.42092	8.95614	6.46065	0.79043	0.0002479	0.001461	Up-regulated
NM_007046	EMILIN1	11117	58.5776	59.4845	104.688	99.1975	0.79041	1.43E-62	1.68E-60	Up-regulated
NM_003033	ST3GAL1	6482	2.20419	3.00598	5.71418	3.9006	0.79003	0.0005549	0.0030191	Up-regulated
NM_001193349	MEF2C	4208	2.3374	2.24182	3.77174	4.37238	0.78963	2.93E-06	2.52E-05	Up-regulated
NM_005606	LGMN	5641	36.4934	39.3066	65.0229	66.1228	0.78956	2.74E-28	1.25E-26	Up-regulated
NM_000282	PCCA	5095	2.04589	2.45625	4.17695	4.25082	0.78936	0.0013958	0.0068488	Up-regulated
NM_014330	PPP1R15A	23645	64.1712	62.1055	110.811	107.113	0.78923	1.39E-53	1.37E-51	Up-regulated
NM_152832	FAM89B	23625	4.1327	4.62187	7.8748	8.51533	0.78914	0.0014077	0.0069006	Up-regulated
NM_004052	BNIP3	664	66.4286	62.1055	104.723	117.96	0.7879	9.09E-21	2.81E-19	Up-regulated
NM_000700	ANXA1	301	150.533	139.686	240.436	260.651	0.78782	5.92E-34	3.27E-32	Up-regulated
NM_001130714	LEF1	51176	2.19394	3.15964	4.90635	5.00227	0.78768	0.0007008	0.0037245	Up-regulated
NM_033182	FBXO44	93611	1.10301	1.73455	3.25942	2.53725	0.78695	0.0111376	0.0405885	Up-regulated
NM_018051	WDR60	55112	4.13501	4.59072	7.39774	7.99008	0.78674	1.27E-07	1.33E-06	Up-regulated
NM_144633	KCNH8	131096	0.993172	1.02975	1.78311	1.99846	0.78519	0.0016353	0.0078171	Up-regulated
NR_033389	OC10013221	1E+08	1.50213	1.55464	3.02442	3.21296	0.78515	0.0120527	0.0433937	Up-regulated
NM_015193	ARC	23237	1.5344	1.34459	3.028	2.52226	0.78486	0.0051651	0.0211055	Up-regulated
NM_001142421	MORF4L2	9643	3.74868	4.30174	6.3659	8.73262	0.78486	0.0018763	0.0087976	Up-regulated
NR_040093	STAR4-AS1	1E+08	0.607543	0.559543	1.09851	1.19146	0.7842	0.0076622	0.0296048	Up-regulated
NM_031477	YPEL3	83719	11.6681	12.7566	22.4736	20.3945	0.78333	9.77E-08	1.04E-06	Up-regulated
NM_153704	TMEM67	91147	1.45334	1.5411	2.64276	2.80162	0.7832	0.0002455	0.0014482	Up-regulated
NM_006497	HIC1	3090	1.84104	1.71405	3.5894	3.03274	0.7829	0.001685	0.0080309	Up-regulated

NR_026717	STK19	8859	4.73119	5.2357	8.65522	9.35996	0.78247	0.0001378	0.0008635	Up-regulated
NM_001080421	UNC13A	23025	27.2517	29.4752	50.3955	47.1435	0.78202	3.43E-39	2.21E-37	Up-regulated
NM_001915	CYB561	1534	6.69123	6.87661	13.3074	10.6433	0.78185	1.40E-06	1.27E-05	Up-regulated
NR_125739	CEBPB-AS1	1E+08	4.9851	5.49476	9.44938	8.96051	0.78098	2.47E-07	2.49E-06	Up-regulated
NM_017709	FAM46C	54855	0.873066	0.923471	1.53566	1.8051	0.78086	0.0020562	0.0095312	Up-regulated
NM_001142541	SLC35B3	51000	2.17336	3.2328	5.54187	5.00352	0.7791	0.0074194	0.0287786	Up-regulated
NR_104041	SERGEF	26297	9.25679	8.45974	15.4507	15.853	0.77746	1.19E-05	9.19E-05	Up-regulated
NM_001553	IGFBP7	3490	114.046	107.708	192.879	186.737	0.77645	1.44E-36	8.47E-35	Up-regulated
NM_001201397	EDNRB	1910	1.1361	1.25362	2.17558	2.25654	0.77635	0.0014513	0.0070814	Up-regulated
NM_001698	AUH	549	5.20725	5.75767	10.5771	9.15064	0.77361	0.0003915	0.0022114	Up-regulated
NM_016274	PLEKHO1	51177	21.3551	22.8508	38.1367	37.6769	0.77255	5.88E-19	1.62E-17	Up-regulated
NM_006813	PNRC1	10957	22.1841	22.6197	39.479	37.2617	0.77249	3.51E-19	9.85E-18	Up-regulated
NM_002937	RNASE4	6038	3.64095	3.50384	6.46228	6.58084	0.7724	0.0009746	0.0049954	Up-regulated
NM_138334	JOSD2	126119	14.9951	14.4413	21.9883	31.968	0.77187	0.0016309	0.0078002	Up-regulated
NM_005531	IFI16	3428	59.7449	59.1576	97.544	105.336	0.77162	7.32E-40	4.80E-38	Up-regulated
NM_004207	SLC16A3	9123	198.553	197.298	342.496	331.36	0.77147	2.09E-100	4.38E-98	Up-regulated
NM_024420	PLA2G4A	5321	11.0943	11.0822	18.7674	19.312	0.77138	4.34E-15	9.33E-14	Up-regulated
NM_001229	CASP9	842	3.91441	4.05481	7.41167	6.56974	0.77057	9.84E-06	7.76E-05	Up-regulated
NM_032482	DOTIL	84444	23.1551	25.2351	42.7599	39.8356	0.77016	4.35E-31	2.18E-29	Up-regulated
NM_001666	ARHGAP4	393	2.30862	2.06579	3.9854	3.92616	0.77007	0.0004108	0.0023109	Up-regulated
NM_001256166	BIRC2	329	5.38477	3.51313	7.15913	9.39083	0.76945	0.0027966	0.0124121	Up-regulated
NM_001329444	PPP1R16A	84988	3.92871	3.75832	5.84755	7.97408	0.76927	0.0003909	0.0022084	Up-regulated
NR_024019	FAM193B	54540	6.23439	6.33315	11.0458	10.5199	0.7687	1.35E-13	2.56E-12	Up-regulated
NM_001206797	PKM	5315	17.0018	16.368	26.6336	30.6748	0.768	2.69E-12	4.50E-11	Up-regulated
NM_003113	SP100	6672	8.134	8.03281	14.0561	13.6722	0.76797	5.50E-14	1.08E-12	Up-regulated
NM_001270546	AKAP13	11214	9.92408	9.93306	17.1134	16.6683	0.76728	2.02E-40	1.36E-38	Up-regulated
NM_019015	CHPF2	54480	23.8575	24.3497	42.8469	39.2922	0.76709	1.23E-27	5.46E-26	Up-regulated
NM_001330230	IFI35	3430	31.1388	22.4686	40.8624	54.2388	0.76614	0.0001269	0.0008003	Up-regulated
NM_000527	LDLR	3949	70.3313	71.5229	123.668	117.08	0.76599	6.05E-70	8.43E-68	Up-regulated
NM_001280791	SURF4	6836	1.22528	1.16263	2.16729	2.42353	0.76539	0.0070083	0.0273897	Up-regulated
NM_014971	EFR3B	22979	2.14338	2.14703	3.86296	3.56111	0.76504	8.32E-08	8.86E-07	Up-regulated
NM_003388	CLIP2	7461	1.62263	1.67064	3.77654	2.34747	0.76494	0.0032778	0.0142171	Up-regulated
NR_144567	NR_144567	NA	19.4119	20.3982	33.8997	33.6424	0.76453	3.75E-56	3.85E-54	Up-regulated
NM_018930	PCDHB10	56126	2.68434	2.38846	4.25585	4.79427	0.76397	0.0002977	0.0017263	Up-regulated
NM_198082	CCDC57	284001	2.18696	2.00394	3.66323	3.9181	0.7639	0.0010052	0.0051346	Up-regulated
NM_002205	ITGA5	3678	77.4671	81.9759	137.102	132.949	0.7626	1.27E-62	1.50E-60	Up-regulated
NM_001330599	TRPS1	7227	1.40172	1.99475	2.82415	3.19634	0.76221	0.0001461	0.0009093	Up-regulated
NM_001256847	ABR	29	23.2332	19.505	37.5427	35.3914	0.76165	3.00E-14	6.03E-13	Up-regulated
NM_001139500	FGF13	2258	6.11925	6.41267	11.9214	9.98883	0.76149	1.19E-05	9.23E-05	Up-regulated
NM_002116	HLA-A	3105	253.712	255.335	431.513	427.457	0.75956	8.47E-120	2.31E-117	Up-regulated
NM_001444	FABP5	2171	1177.65	1127.54	1912.65	1974.35	0.75954	6.04E-79	9.95E-77	Up-regulated
NM_001195044	YAP1	10413	9.65036	9.14731	16.4174	15.5095	0.75881	1.12E-19	3.25E-18	Up-regulated
NM_001199135	TANK	10010	8.67333	9.30702	15.2392	15.6684	0.75866	5.59E-08	6.08E-07	Up-regulated
NM_001186	BACH1	571	4.0694	4.88156	8.23834	7.2031	0.75855	2.22E-07	2.25E-06	Up-regulated
NM_001042529	COASY	80347	5.90625	4.46407	9.5389	8.87065	0.75814	0.0002823	0.0016457	Up-regulated
NM_001244992	PPP1R12A	4659	1.71215	1.95178	3.78217	2.80148	0.75792	0.0007925	0.0041624	Up-regulated
NM_001330358	MTHFR	4524	3.7103	1.94299	5.86975	4.60544	0.75787	0.0040029	0.0169437	Up-regulated
NM_003713	PLPP3	8613	12.6608	12.6485	21.4695	21.4541	0.75778	4.16E-19	1.15E-17	Up-regulated
NM_020177	FEM1C	56929	4.31359	4.33287	7.1742	7.57343	0.75731	1.23E-11	1.95E-10	Up-regulated
NM_198490	RAB43	339122	16.2982	13.639	27.0107	24.0348	0.75703	1.78E-11	2.79E-10	Up-regulated
NM_199282	ARHGAP27	201176	2.15155	1.81606	4.42821	2.95306	0.75505	0.0049771	0.0204071	Up-regulated
NM_001206567	IFI16	3428	5.576	6.52266	11.0998	9.85989	0.75439	4.58E-06	3.85E-05	Up-regulated
NM_002038	IFI6	2537	975.839	931.376	1641.59	1562.94	0.75346	1.79E-67	2.34E-65	Up-regulated
NM_001173982	CHST11	50515	16.8826	19.3928	31.9914	29.4227	0.75319	4.24E-17	1.03E-15	Up-regulated
NM_152737	RNF182	221687	2.72341	2.64557	5.65552	4.02583	0.7523	0.0014586	0.0071003	Up-regulated
NM_001134870	PPP1R18	170954	21.7671	22.1096	37.6593	36.3064	0.75141	3.31E-26	1.38E-24	Up-regulated
NM_000210	ITGA6	3655	17.7001	18.3003	29.6132	30.967	0.75122	5.32E-37	3.21E-35	Up-regulated
NM_001190992	SLC33A1	9197	2.8521	2.87382	5.4445	4.78027	0.75092	0.0009509	0.0048918	Up-regulated
NM_033238	PML	5371	7.13404	7.21455	12.4107	11.8171	0.75046	2.48E-17	6.12E-16	Up-regulated
NM_001169109	SCO2	9997	4.8076	4.64362	8.61377	9.13337	0.75036	0.0067546	0.0265282	Up-regulated
NM_006852	TLK2	11011	4.09488	3.46027	6.24765	6.68591	0.74884	1.93E-07	1.98E-06	Up-regulated
NM_001244638	ARID5B	84159	3.17055	3.38067	5.58235	5.52345	0.74848	1.75E-10	2.53E-09	Up-regulated
NM_001198793	RPC4-TTLL	1E+08	3.37026	5.01017	7.54291	7.22246	0.74828	0.0003576	0.0020389	Up-regulated
NM_016269	LEF1	51176	10.0015	10.8052	17.93	17.2171	0.74809	2.05E-14	4.16E-13	Up-regulated
NM_018976	SLC38A2	54407	55.099	55.9275	91.9033	94.1068	0.748	3.83E-85	6.77E-83	Up-regulated
NM_001161354	PLEKHA4	57664	10.4242	7.69486	15.7238	15.517	0.74755	8.61E-06	6.86E-05	Up-regulated
NM_001033046	C17orf62	79415	8.80451	9.57179	17.0706	14.4179	0.74546	1.90E-06	1.69E-05	Up-regulated
NM_144949	SOC5	9655	5.47398	5.68214	9.41296	9.44602	0.7451	2.08E-11	3.25E-10	Up-regulated
NM_001161476	WDR25	79446	2.51798	2.84653	5.13037	4.63185	0.74397	0.004102	0.0172827	Up-regulated
NR_134605	OC10192780	1E+08	15.4144	20.2189	34.0136	30.4495	0.74333	0.0038954	0.0165508	Up-regulated
NM_001174157	ZFAT	57623	1.49263	1.03065	2.09603	2.63592	0.74324	0.0081941	0.0313193	Up-regulated
NM_001098536	USP5	8078	2.58254	1.97659	3.2655	5.36005	0.74283	0.0101573	0.0375459	Up-regulated
NM_138288	SPTSSA	171546	23.7296	22.2955	38.4493	38.7349	0.74265	5.48E-22	1.78E-20	Up-regulated
NM_000189	HK2	3099	27.9479	28.1931	46.5131	47.1599	0.74159	4.22E-74	6.30E-72	Up-regulated
NM_001453	FOXC1	2296	2.39265	2.18426	4.07686	3.93038	0.74037	0.0003672	0.0020865	Up-regulated
NM_004694	SLC16A6	9120	59.9984	58.2617	99.9324	97.1498	0.7399	1.95E-66	2.48E-64	Up-regulated
NM_001165036	OGDH	4967	3.51933	2.19241	4.81857	5.40327	0.73778	0.0023705	0.0107608	Up-regulated
NM_003762	VAMP4	8674	0.869732	1.02481	1.61971	1.82688	0.73738	0.0049519	0.0203169	Up-regulated
NR_033302	DHX9	1660	2.84287	2.17286	4.57139	4.15723	0.73686	0.0002421	0.00143	Up-regulated
NM_001318054	HRAS	3265	6.3094	4.9998	11.0415	9.56072	0.73604	0.005484	0.0222137	Up-regulated
NM_014297	ETHE1	23474	54.8711	53.1195	87.357	92.8846	0.73486	2.40E-15	5.24E-14	Up-regulated
NM_018299	UBE2	55284	2.19404	2.55371	3.907	4.12279	0.73342	1.82E-07	1.87E-06	Up-regulated
NM_025106	SPSB1	80176	28.4946	28.6034	49.7835	45.2658	0.73291	7.08E-23	2.43E-21	Up-regulated
NM_001193511	MAP3K12	7786	8.21252	8.50991	14.246	13.7459	0.73262	1.21E-12	2.10E-11	Up-regulated

NM_006042	HS3T3A1	9955	3.49946	3.68299	5.8398	6.36746	0.73231	1.51E-06	1.36E-05	Up-regulated
NM_001195150	OC10013070	1E+08	1.45157	1.4979	2.92972	2.37142	0.73166	0.0040423	0.0170768	Up-regulated
NM_198156	VHL	7428	1.43916	0.915378	2.03691	2.38392	0.73108	0.0122025	0.0438258	Up-regulated
NM_001145301	RARA	5914	11.8571	16.4035	25.1071	22.8564	0.73073	3.79E-06	3.22E-05	Up-regulated
NM_001256007	PNPLA8	50640	4.25999	4.9104	7.99688	7.4566	0.73059	1.19E-07	1.24E-06	Up-regulated
NM_031924	RSPH3	83861	0.967469	1.39234	1.83669	2.44626	0.73035	0.0057414	0.0230659	Up-regulated
NM_001081491	NXF1	10482	7.9684	8.92796	14.8793	13.4254	0.73034	2.85E-10	4.03E-09	Up-regulated
NM_007112	THBS3	7059	13.0603	11.4985	20.4453	20.5387	0.73029	1.22E-12	2.11E-11	Up-regulated
NM_000164	GIPR	2696	1.31381	1.23844	2.5645	2.15232	0.72958	0.0089048	0.0335393	Up-regulated
NM_001271168	PCED1A	64773	12.9666	11.8258	21.4528	20.2882	0.72944	6.16E-08	6.66E-07	Up-regulated
NM_024613	PLEKHF2	79666	4.4843	4.06381	7.04912	7.49918	0.72897	1.67E-05	0.0001254	Up-regulated
NM_001144936	C11orf95	65998	12.5075	12.4213	21.0056	20.3042	0.72774	1.23E-27	5.47E-26	Up-regulated
NM_004715	CTDP1	9150	10.7745	14.1643	23.9536	18.4859	0.72667	2.17E-05	0.0001593	Up-regulated
NM_014034	ASF1A	25842	8.48912	7.78743	13.4762	13.8575	0.72659	4.34E-08	4.78E-07	Up-regulated
NM_001170820	IFITM10	402778	27.4075	28.4147	46.4147	45.712	0.72339	1.13E-36	6.75E-35	Up-regulated
NM_025181	SLC35F5	80255	5.3651	5.64798	8.9721	9.2285	0.72268	4.52E-22	1.48E-20	Up-regulated
NR_026850	MTMR9LP	339483	5.18808	4.14816	8.50574	7.59296	0.72165	0.0004616	0.0025669	Up-regulated
NM_015574	ANKRD17	26057	0.893433	0.724081	1.64925	1.21651	0.72154	0.003103	0.0135455	Up-regulated
NM_000887	ITGAX	3687	1.69959	1.60873	2.95792	2.74322	0.72152	0.0005326	0.0029099	Up-regulated
NM_001323069	PFKP	5214	1.45283	1.38628	2.7187	2.54751	0.72073	0.0117199	0.0422754	Up-regulated
NM_005907	MAN1A1	4121	4.04086	4.20272	6.82244	6.91497	0.72071	5.38E-09	6.61E-08	Up-regulated
NM_152910	DGKH	160851	0.836598	0.462382	1.32322	1.04068	0.72053	0.0090045	0.0338614	Up-regulated
NM_198055	MZF1	7593	3.4679	2.76971	5.59593	5.20617	0.72024	0.0007838	0.0041301	Up-regulated
NM_016061	YPEL5	51646	22.0242	19.3009	32.3293	36.2975	0.71991	2.23E-10	3.19E-09	Up-regulated
NM_001297549	UPF1	5976	2.24958	2.88737	3.98293	4.82393	0.71913	0.0003234	0.00186	Up-regulated
NM_001284236	ZFYVE16	9765	2.91164	3.06743	4.53238	5.49848	0.71801	1.45E-06	1.32E-05	Up-regulated
NM_001242855	ARFIP2	23647	1.34101	1.22772	2.2607	2.32806	0.7179	0.006351	0.0251449	Up-regulated
NR_026899	LOC146880	146880	4.669	5.52457	9.28584	7.99404	0.71779	6.86E-05	0.0004571	Up-regulated
NM_178537	B4GALNT4	338707	2.57847	2.68287	4.81546	4.20566	0.71751	0.0003682	0.0020909	Up-regulated
NR_109790	RAB24	53917	5.52317	8.74681	12.4793	12.529	0.71718	0.0027919	0.0123999	Up-regulated
NM_001769	CD9	928	73.5004	73.5847	122.822	118.746	0.71769	3.29E-30	1.58E-28	Up-regulated
NM_020730	DLG3	1741	2.42659	2.52856	4.57784	3.82801	0.71659	7.16E-05	0.0004747	Up-regulated
NM_005708	GPC6	10082	3.97235	4.11508	6.96472	6.43295	0.71638	6.52E-11	9.78E-10	Up-regulated
NM_001040197	AGTRAP	57085	8.754	7.02344	13.2626	13.9132	0.71614	0.0009178	0.0047471	Up-regulated
NM_001793	CDH3	1001	1.00201	1.30311	2.12388	2.08895	0.71587	0.011551	0.0417924	Up-regulated
NM_003596	TPST1	8460	9.97379	11.498	17.9491	17.8321	0.71584	2.11E-07	2.15E-06	Up-regulated
NM_005730	CTDSP2	10106	30.9793	32.2545	51.2075	52.4321	0.71492	3.79E-47	3.15E-45	Up-regulated
NM_018381	C19orf66	55337	28.4765	28.3604	48.5625	44.8844	0.71466	2.63E-18	6.90E-17	Up-regulated
NR_135527	DLG4	1742	2.25777	2.25569	4.45309	3.34976	0.71439	0.0013028	0.006449	Up-regulated
NM_001008213	OPTN	10133	2.40397	2.35848	3.39935	5.02496	0.71428	0.0045026	0.0187145	Up-regulated
NM_001271933	CEP164	22897	1.82609	1.53032	2.56769	3.24237	0.71419	0.0012682	0.006299	Up-regulated
NM_013443	T6GALNAC	30815	7.58613	7.64339	12.0801	13.3194	0.71402	4.66E-07	4.52E-06	Up-regulated
NM_005319	HIST1H1C	3006	113.383	111.177	174.24	194.922	0.71328	1.84E-14	3.75E-13	Up-regulated
NM_005255	GAK	2580	31.1493	31.8256	52.3665	50.6683	0.71243	6.44E-45	4.98E-43	Up-regulated
NM_001318537	SPRY2	10253	3.42773	3.42228	6.10139	5.55094	0.71149	0.000302	0.0017493	Up-regulated
NM_025132	WDR19	57728	5.84601	5.84122	9.27177	10.0349	0.711	5.04E-10	6.91E-09	Up-regulated
NM_004458	ACSL4	2182	3.17843	4.5854	7.41693	5.8934	0.70947	0.0008779	0.0045669	Up-regulated
NM_052839	PANX2	56666	20.1519	19.909	32.9891	32.5787	0.70941	2.01E-23	7.14E-22	Up-regulated
NM_003489	NRIP1	8204	2.41193	2.64447	4.10803	4.27856	0.70935	1.09E-07	1.15E-06	Up-regulated
NM_001267611	GPR161	23432	1.016	0.737689	1.87697	1.28781	0.70841	0.01091	0.0398656	Up-regulated
NM_001127398	ERLEC1	27248	8.14593	5.67426	10.711	12.9807	0.70762	0.001065	0.0053963	Up-regulated
NM_005318	H1FO	3005	198.096	186.313	318.887	307.446	0.70744	5.46E-54	5.40E-52	Up-regulated
NM_016642	SPTBN5	51332	0.46727	0.677504	0.975981	1.04568	0.7073	0.0060035	0.0239677	Up-regulated
NM_015247	CYLD	1540	0.768974	0.808347	1.20726	1.53382	0.70666	0.0029928	0.0131365	Up-regulated
NM_019119	PCDHB9	56127	5.11038	5.28854	8.55344	8.55801	0.70654	1.83E-09	2.34E-08	Up-regulated
NM_001261439	ETV4	2118	5.02078	6.36626	10.7343	8.9977	0.70476	0.0027959	0.0124121	Up-regulated
NM_152245	CPT1B	1375	3.17432	5.20467	7.68373	6.98769	0.70412	0.0048085	0.019801	Up-regulated
NM_031419	NFKBIZ	64332	12.2077	12.0802	19.7349	19.868	0.70217	1.16E-18	3.12E-17	Up-regulated
NM_153693	HOXC6	3223	5.60731	6.28358	10.3652	9.5593	0.70102	9.60E-05	0.0006209	Up-regulated
NM_006472	TXNIP	10628	8.35698	6.97192	12.3697	12.9328	0.7007	9.89E-07	9.17E-06	Up-regulated
NM_001343	DAB2	1601	10.5347	11.6127	19.4611	16.8096	0.70036	2.70E-10	3.83E-09	Up-regulated
NM_018317	TBC1D19	55296	2.24902	2.14972	4.01211	3.54961	0.69958	0.0021961	0.0100746	Up-regulated
NM_003068	SNAI2	6591	38.3943	38.6605	63.6645	61.4354	0.69912	1.46E-47	1.54E-45	Up-regulated
NM_052841	TSSK3	81629	3.32971	3.38769	6.10712	5.96466	0.69908	0.0139467	0.0490123	Up-regulated
NM_004427	PHC2	1912	57.0516	59.1933	93.6742	94.6314	0.6985	4.54E-44	3.42E-42	Up-regulated
NM_033360	KRAS	3845	1.16139	1.58312	2.32144	2.42145	0.69829	0.0027633	0.0122844	Up-regulated
NM_002373	MAP1A	4130	1.51487	1.77028	2.86285	2.57831	0.69803	9.33E-06	7.39E-05	Up-regulated
NM_012068	ATF5	22809	9.93713	13.6779	19.7724	19.5603	0.69795	5.23E-05	0.0003572	Up-regulated
NM_001257101	PCGF5	84333	2.67169	2.8837	4.25541	4.91802	0.69781	1.72E-06	1.54E-05	Up-regulated
NM_003265	TLR3	7098	2.28928	2.68852	4.38855	4.11263	0.69689	0.001736	0.0082388	Up-regulated
NM_078481	ADGRE5	976	6.56769	7.19114	10.9475	11.6147	0.69668	2.30E-08	2.61E-07	Up-regulated
NM_003670	BHLHE40	8553	58.5367	57.4893	95.8305	91.8345	0.69628	6.59E-46	5.22E-44	Up-regulated
NR_028323	SLC5A6	8884	2.72854	2.44708	4.74918	4.04698	0.69608	0.0011467	0.0057557	Up-regulated
NM_001001928	PPARA	5465	1.8297	1.34737	2.24787	3.19783	0.69573	0.0023435	0.0106537	Up-regulated
NM_182764	ELMO2	63916	1.33863	2.08125	2.93226	3.13391	0.69432	0.0100858	0.0373034	Up-regulated
NM_006902	PRRX1	5396	17.8697	16.527	27.5611	28.1478	0.69361	4.86E-21	1.51E-19	Up-regulated
NM_014786	ARHGEF17	9828	5.76008	6.73186	10.2901	10.028	0.69331	2.24E-11	3.47E-10	Up-regulated
NM_003564	TAGLN2	8407	216.669	203.737	338.381	339.725	0.69314	1.32E-50	1.20E-48	Up-regulated
NM_012408	ZMYND8	23613	2.1606	3.05668	5.08174	3.83313	0.69202	0.0029683	0.0130477	Up-regulated
NM_005534	nma transduc	3460	49.2431	44.426	74.5457	76.8161	0.69143	2.23E-21	7.02E-20	Up-regulated
NM_138766	PAM	5066	2.97666	3.57111	6.01989	4.88264	0.69068	0.0001526	0.0009456	Up-regulated
NM_032789	erase family r	84875	69.1279	68.5697	110.808	110.866	0.6905	2.86E-74	4.44E-72	Up-regulated
NM_002507	NGFR	4804	113.553	113.856	186.499	179.408	0.69003	3.56E-74	5.40E-72	Up-regulated
NM_012121	CDC42EP4	23580	19.7588	19.0538	32.0893	30.6345	0.68981	1.62E-19	4.66E-18	Up-regulated

NM_018325	C9orf72	203228	1.85365	1.88954	3.59931	2.89676	0.68922	0.0059744	0.0238565	Up-regulated
NM_014950	ZBTB1	22890	1.86021	2.38596	3.58619	3.62622	0.6889	0.0016328	0.0078071	Up-regulated
NM_001146255	PODNL1	79883	1.52674	1.43729	2.91082	2.38003	0.68864	0.0132725	0.0470236	Up-regulated
NM_080430	SELENOM	140606	73.5991	65.0854	111.559	112.836	0.68452	2.63E-09	3.33E-08	Up-regulated
NM_001256486	GOLGB1	2804	2.08629	1.08159	3.08323	2.46922	0.68431	0.0108116	0.0395667	Up-regulated
NM_002856	NECTIN2	5819	37.2391	37.7731	65.5721	55.5281	0.68427	5.54E-12	9.06E-11	Up-regulated
NM_001184940	FAM219A	203259	8.56465	8.18992	17.1483	10.8719	0.68268	0.0009329	0.0048087	Up-regulated
NM_001136528	SERPINE2	5270	795.707	816.797	1280.28	1298.56	0.68215	1.35E-115	3.40E-113	Up-regulated
NM_001243726	TEX264	51368	33.9217	47.9858	69.6021	64.7034	0.68182	2.96E-05	0.0002118	Up-regulated
NM_006729	DIAPH2	1730	3.77687	3.41221	6.19255	5.53697	0.68138	4.93E-06	4.11E-05	Up-regulated
NM_002421	MMP1	4312	16.5864	19.0074	27.707	29.8902	0.68081	7.25E-09	8.77E-08	Up-regulated
NM_001144875	DOK3	79930	1.8803	2.17709	3.39534	3.68588	0.68026	0.0124254	0.0445014	Up-regulated
NR_111983	CASP8	841	2.10014	2.65614	3.78296	4.36113	0.68008	0.0046739	0.019309	Up-regulated
NM_032875	FBXL20	84961	2.01633	2.34613	3.29437	3.82421	0.68006	5.32E-06	4.42E-05	Up-regulated
NM_017664	ANKRD10	55608	19.621	19.6501	30.844	32.208	0.67988	1.80E-16	4.21E-15	Up-regulated
NM_024599	RHBDF2	79651	12.0463	12.3066	21.0629	18.2011	0.67867	4.56E-10	6.29E-09	Up-regulated
NM_001111036	ACP5	54	31.5644	29.4364	49.2863	48.6195	0.67832	4.12E-14	8.21E-13	Up-regulated
NM_001300826	RNF19B	127544	11.1545	12.6193	18.6445	19.7187	0.67793	7.36E-09	8.90E-08	Up-regulated
NM_014397	NEK6	10783	14.7576	15.4926	23.753	24.8342	0.67792	7.63E-13	1.35E-11	Up-regulated
NM_001282142	TFE3	7030	7.50391	7.06037	10.8305	12.8432	0.67778	1.62E-06	1.46E-05	Up-regulated
NM_001145524	YPEL3	83719	66.6988	60.5794	103.911	100.255	0.67734	4.91E-13	8.87E-12	Up-regulated
NM_001012279	SOGA3	387104	0.63525	0.603006	1.02781	1.04161	0.67515	0.0012588	0.0062554	Up-regulated
NM_198291	SRC	6714	32.5429	32.822	53.5262	50.707	0.67492	1.87E-33	1.02E-31	Up-regulated
NM_001003795	GTF2IRD2B	389524	1.80241	1.80789	3.3154	2.81433	0.67478	0.0045301	0.0188086	Up-regulated
NM_001164755	ASPH	444	3.67022	3.19526	6.1155	5.20077	0.67379	0.0003462	0.0019811	Up-regulated
NM_014819	PIA2	9867	19.3679	19.3207	29.1729	32.5393	0.67163	2.00E-18	5.30E-17	Up-regulated
NM_183048	ZMYND8	23613	2.45166	2.83549	4.38693	4.22919	0.67116	5.89E-05	0.0003971	Up-regulated
NM_005233	EPHA3	2042	20.3419	19.6865	30.8861	32.7885	0.67053	9.10E-29	4.21E-27	Up-regulated
NM_018933	PCDHB13	56123	2.27779	2.11666	3.70417	3.61982	0.67019	0.0015728	0.0075678	Up-regulated
NM_001113547	LIMA1	51474	15.1339	15.6532	25.239	23.8263	0.66985	9.31E-17	2.21E-15	Up-regulated
NM_001308155	GOLIM4	27333	5.18621	4.94243	7.10125	9.44398	0.66978	0.0001375	0.000862	Up-regulated
NM_183376	ARRDC4	91947	3.38341	2.86532	5.05426	5.13308	0.66862	0.0001393	0.0008723	Up-regulated
NM_144666	DNHD1	144132	3.58715	4.06108	6.01858	6.17795	0.66811	1.57E-13	2.96E-12	Up-regulated
NM_058229	FBXO32	114907	11.3063	10.8362	17.1059	18.0951	0.66787	2.01E-21	6.37E-20	Up-regulated
NM_001114635	PLAG1	5324	1.19722	0.904906	1.64894	1.9176	0.66616	0.0062894	0.0249327	Up-regulated
NM_001139457	BCAP31	10134	30.4013	34.3216	54.1548	49.0344	0.66545	9.77E-11	1.44E-09	Up-regulated
NM_145296	CADM4	199731	103.468	104.706	169.312	160.199	0.6654	3.90E-42	2.79E-40	Up-regulated
NM_015227	POFUT2	23275	1.39478	1.85305	2.49949	2.97278	0.66516	0.0062792	0.0249067	Up-regulated
NM_001039481	ETNK1	55500	8.786	10.4178	17.2526	15.1585	0.66477	0.006056	0.0241452	Up-regulated
NM_015326	SRGAP2	23380	11.1802	11.6402	18.6292	17.5497	0.66368	4.02E-19	1.12E-17	Up-regulated
NM_002145	HOXB2	3212	11.4162	11.7992	19.88	17.5389	0.66328	1.47E-05	0.0001118	Up-regulated
NR_045697	RICKLE2-AS1	1E+08	1.53534	1.48588	2.39664	2.5219	0.66298	0.0003164	0.0018247	Up-regulated
NM_001098833	ATXN7L3	56970	20.8305	20.04	31.8732	32.8325	0.66271	1.69E-22	5.66E-21	Up-regulated
NM_005904	SMAD7	4092	5.13302	6.97099	9.43388	10.3559	0.66259	0.0004318	0.0024145	Up-regulated
NM_001317008	S100A16	140576	19.3658	20.2978	34.3738	29.4548	0.66142	1.18E-05	9.14E-05	Up-regulated
NM_001318119	SEC31A	22872	3.87353	5.82353	9.12292	6.99911	0.66106	0.003116	0.0135845	Up-regulated
NM_001242488	ZSWIM8	23053	2.46388	2.30154	3.90089	3.78333	0.66069	1.71E-05	0.0001281	Up-regulated
NM_020795	NLGN2	57555	47.7149	51.7312	81.199	75.8181	0.65943	8.96E-26	3.64E-24	Up-regulated
NM_000202	IDS	3423	9.11615	11.1799	15.9164	16.3528	0.65914	9.68E-10	1.28E-08	Up-regulated
NM_014339	IL17RA	23765	2.5417	2.62846	3.98304	4.27279	0.65889	8.20E-08	8.75E-07	Up-regulated
NM_152594	SPRED1	161742	7.60005	8.13365	12.6336	12.2385	0.65862	1.08E-16	2.56E-15	Up-regulated
NM_004732	KCNAB3	9196	2.3786	3.43403	4.85189	5.04752	0.65851	0.0113913	0.0413553	Up-regulated
NR_024586	head)(KMT2	1E+08	2.57357	2.81953	4.67265	4.13116	0.65848	0.000924	0.0047716	Up-regulated
NM_033529	CDK11A	728642	2.88492	2.63589	4.64916	4.41252	0.65834	0.0011901	0.0059466	Up-regulated
NM_016588	NRN1	51299	10.2448	10.6199	15.7055	17.6772	0.65813	2.65E-06	2.30E-05	Up-regulated
NM_016621	PHF21A	51317	2.24763	3.07487	4.94959	3.79462	0.65788	0.0016938	0.0080647	Up-regulated
NM_206833	CTXN1	404217	38.5786	40.6814	64.0341	61.2645	0.65737	6.19E-13	1.11E-11	Up-regulated
NM_001276289	PRKARIA	5573	15.1816	13.3187	20.0451	25.4627	0.65653	1.03E-06	9.55E-06	Up-regulated
NM_014035	SNX24	28966	3.05102	3.14378	4.72972	5.6962	0.65565	0.007454	0.0289022	Up-regulated
NM_130853	PTPRS	5802	8.5025	6.07589	12.2539	11.1681	0.65446	5.61E-05	0.0003804	Up-regulated
NM_005619	RTN2	6253	3.63984	3.26936	6.21853	5.19305	0.65019	0.0047053	0.0194347	Up-regulated
NR_036518	C17orf62	79415	8.47942	6.41638	12.8233	11.4026	0.6495	0.0013059	0.006461	Up-regulated
NM_001330323	HOXB3	3213	2.84904	4.21744	6.37063	5.45128	0.64934	0.009395	0.0351019	Up-regulated
NM_181718	ASPHD1	253982	23.0419	24.9734	39.6006	36.2187	0.64928	1.63E-08	1.89E-07	Up-regulated
NM_001330245	SLC39A13	91252	12.834	15.6643	21.0583	24.2987	0.6485	7.90E-06	6.35E-05	Up-regulated
NM_001297553	CHD4	1108	8.50451	11.0546	16.2036	14.8508	0.64847	1.42E-06	1.29E-05	Up-regulated
NM_001128226	DIS3	22894	1.34229	1.09741	2.00029	1.97817	0.64723	0.0016231	0.0077746	Up-regulated
NM_017947	MOCOS	55034	4.40495	4.19573	7.24169	6.55423	0.64526	0.0003315	0.0019041	Up-regulated
NM_014647	KIAA0430	9665	2.10138	3.5644	4.23585	5.14062	0.64422	0.0067822	0.0266313	Up-regulated
NR_120434	OC10050706	1E+08	4.10021	4.04372	6.65282	6.87663	0.64345	0.009035	0.0339492	Up-regulated
NM_001271466	ARMC9	80210	7.19153	6.95081	10.9832	11.1423	0.6434	7.63E-16	1.72E-14	Up-regulated
NM_001040455	SIDT2	51092	5.42244	6.06004	8.98369	9.13948	0.64262	6.72E-07	6.38E-06	Up-regulated
NM_017912	HERC6	55008	6.45898	6.49013	9.77919	10.5986	0.64171	7.21E-08	7.74E-07	Up-regulated
NM_006702	PNPLA6	10908	13.7998	14.654	22.5391	21.9039	0.64161	1.55E-17	3.90E-16	Up-regulated
NM_001118890	GLRX	2745	33.2305	33.6459	51.1423	53.7947	0.6411	3.59E-09	4.48E-08	Up-regulated
NM_001033056	GLUL	2752	4.45526	6.9327	10.0767	8.32722	0.64093	0.0012991	0.0064323	Up-regulated
NR_018932	PCDHB12	56124	2.88581	3.64583	4.94178	5.64536	0.64089	0.0020356	0.0094516	Up-regulated
NR_028038	GATS	352954	2.14632	2.18428	3.59491	3.4077	0.64028	0.0012297	0.0061235	Up-regulated
NM_004172	SLC1A3	6507	2.24011	2.37487	3.80978	3.61568	0.64027	0.000774	0.0040842	Up-regulated
NM_001627	ALCAM	214	8.41868	6.8528	11.5844	12.4624	0.64018	8.33E-07	7.82E-06	Up-regulated
NM_182648	BAZ1A	11177	1.32307	1.61035	2.18856	2.59503	0.64	0.0040159	0.0169947	Up-regulated
NM_024809	TCTN2	79867	3.23324	2.88909	5.33081	4.62204	0.63924	0.0026773	0.011966	Up-regulated
NM_004228	CYTH2	9266	6.65798	7.93693	10.7481	12.2498	0.63818	2.65E-06	2.30E-05	Up-regulated
NR_004858	POFUT2	23275	2.81584	3.76526	4.56513	6.38158	0.63783	0.0113682	0.0412874	Up-regulated

NM_001136017	CCND3	896	9.04976	7.75865	13.2093	13.4181	0.63644	4.63E-05	0.0003185	Up-regulated
NM_001017974	P4HA2	8974	27.4272	25.0183	39.1482	42.6379	0.63569	3.51E-11	5.37E-10	Up-regulated
NM_032437	EFCAB7	84455	8.26163	8.36608	13.5261	12.6181	0.63486	2.81E-06	2.43E-05	Up-regulated
NM_002178	IGFBP6	3489	25.9157	25.4493	41.5916	39.0373	0.63408	2.90E-06	2.51E-05	Up-regulated
NM_030882	APOL2	23780	20.5293	19.5235	32.5519	29.7872	0.63362	7.36E-12	1.19E-10	Up-regulated
NR_037941	STX16	8675	4.03063	6.10089	7.84206	8.44535	0.63155	0.0018289	0.0086069	Up-regulated
NM_032421	CLIP2	7461	16.2028	16.2984	24.9113	25.3735	0.63098	1.70E-26	7.24E-25	Up-regulated
NM_001346590	M_00134659	NA	9.8273	9.58229	15.0776	15.1069	0.6306	1.79E-09	2.29E-08	Up-regulated
NM_001356	DDX3X	1654	2.86691	4.53869	5.85848	6.12252	0.63031	0.0037354	0.0159598	Up-regulated
NM_203344	SERTAD3	29946	13.0289	12.0779	19.9498	19.5076	0.62998	3.42E-05	0.000242	Up-regulated
NM_002648	PIMI1	5292	3.04936	2.70852	4.91914	4.41638	0.62966	0.0048238	0.0198467	Up-regulated
NM_001330332	CD70	970	2.58395	2.50579	4.1107	4.2317	0.62955	0.0085047	0.0323124	Up-regulated
NM_022750	erace family r	64761	31.4668	32.5139	49.2589	49.5579	0.62917	5.50E-32	2.85E-30	Up-regulated
NM_002772	TMPRSS15	5651	1.59263	1.49446	2.61216	2.43775	0.62914	0.0081315	0.0311172	Up-regulated
NM_018931	PCDHB11	56125	2.03233	2.11482	3.35584	3.39156	0.62911	0.0053507	0.0217663	Up-regulated
NM_001024845	SLC6A9	6536	10.983	10.6906	16.1143	17.5611	0.62872	1.76E-09	2.26E-08	Up-regulated
NM_198859	PRICKLE2	166336	2.54814	2.47267	4.00276	3.83155	0.62785	4.85E-07	4.70E-06	Up-regulated
NM_182691	SRPK2	6733	5.18844	6.7294	9.77482	9.01264	0.6272	0.000172	0.0010505	Up-regulated
NM_006216	SERPINE2	5270	245.018	227.505	367.668	360.254	0.62668	5.08E-41	3.52E-39	Up-regulated
NM_144975	SLFN5	162394	10.9459	12.0373	17.5917	17.9795	0.62665	5.43E-13	9.76E-12	Up-regulated
NM_017550	MIER2	54531	23.133	17.3431	35.9674	27.9033	0.62605	0.000214	0.0012812	Up-regulated
NM_152346	SLC43A2	124935	2.86293	3.60935	5.09567	5.0384	0.62565	1.95E-05	0.0001447	Up-regulated
NM_001330542	HEXDC	284004	6.07285	5.30662	9.45783	8.59028	0.62541	0.0007681	0.0040555	Up-regulated
NM_021035	ZNFX1	57169	10.9368	10.7521	17.053	16.396	0.62527	2.86E-22	9.42E-21	Up-regulated
NM_183047	ZMYND8	23613	7.17173	7.17403	11.7927	10.4718	0.62516	3.99E-09	4.95E-08	Up-regulated
NM_004644	AP3B2	8120	2.5779	3.96836	5.53864	5.12563	0.62499	0.0083706	0.0318981	Up-regulated
NM_003687	PDLIM4	8572	64.7473	62.3838	98.756	96.9171	0.62494	1.32E-33	7.21E-32	Up-regulated
NM_004907	IER2	9592	69.025	69.0713	108.819	103.72	0.62443	4.19E-30	2.01E-28	Up-regulated
NM_021163	RBAK	57786	3.03832	3.46528	5.35479	4.82566	0.6243	1.31E-05	0.0001009	Up-regulated
NM_001278478	RUNX2	860	1.63703	1.88851	2.7025	2.92967	0.62403	0.0020113	0.0093482	Up-regulated
NM_021202	TP53INP2	58476	4.31645	5.46437	7.73146	7.62164	0.6233	0.0001177	0.0007465	Up-regulated
NM_017752	TBC1D8B	54885	1.46224	1.69431	2.38633	2.6596	0.62267	0.0025855	0.0116129	Up-regulated
NM_001964	EGR1	1958	44.6593	45.4879	69.6521	68.8725	0.62266	2.17E-36	1.27E-34	Up-regulated
NM_032430	BRSK1	84446	16.5907	16.8249	26.2837	25.2235	0.6222	1.85E-14	3.78E-13	Up-regulated
NM_014607	UBXN4	23190	24.0207	23.7286	36.161	37.2444	0.62199	4.77E-26	1.96E-24	Up-regulated
NM_024827	HDAC11	79885	6.14852	6.92147	10.0368	10.3766	0.62187	1.51E-05	0.0001144	Up-regulated
NM_001256488	GOLGB1	2804	1.73245	3.06364	3.7916	3.98659	0.6213	0.0077986	0.0300113	Up-regulated
NM_001317812	SLC25A37	51312	7.23521	7.43913	10.758	11.9309	0.62121	1.19E-09	1.56E-08	Up-regulated
NM_001129	AEBP1	165	54.5908	59.1252	88.6735	86.0254	0.62113	1.01E-28	4.64E-27	Up-regulated
NM_015348	TMEM131	23505	11.281	12.256	18.298	17.9083	0.62045	1.66E-17	4.15E-16	Up-regulated
NM_001006616	TSPAN17	26262	5.32769	4.15587	7.24367	7.84459	0.6202	0.0021075	0.0097336	Up-regulated
NM_025092	PGGHG	80162	9.20505	10.2347	14.9427	15.1278	0.61989	2.52E-08	2.86E-07	Up-regulated
NM_001288814	MROH1	727957	3.44855	4.83435	5.87535	7.3159	0.61982	0.0022562	0.0103134	Up-regulated
NM_205847	GMPPA	29926	8.44285	8.93146	13.2045	13.913	0.61857	7.42E-05	0.0004908	Up-regulated
NM_006526	ZNF217	7764	12.9561	13.4778	20.4316	20.1422	0.61836	1.56E-20	4.78E-19	Up-regulated
NM_021904	GABBR1	2550	1.50867	1.85118	2.6514	2.75886	0.6182	0.0077338	0.0298098	Up-regulated
NM_001321728	HTRA2	27429	2.4907	2.99298	4.67739	4.23798	0.61803	0.0115968	0.0419392	Up-regulated
NM_019120	PCDHB8	56128	5.54873	6.76571	9.75893	9.5393	0.61763	0.0002263	0.001344	Up-regulated
NM_020529	NFKBIA	4792	13.3704	12.2	19.2994	20.4752	0.61754	2.11E-05	0.0001559	Up-regulated
NM_016315	GULP1	51454	3.99106	5.28087	6.75869	7.96237	0.61688	0.0017751	0.0083891	Up-regulated
NM_147782	CTS5	1508	30.9422	32.6308	51.6123	45.9093	0.61553	5.58E-15	1.18E-13	Up-regulated
NM_001122670	PHKA1	5255	4.03494	3.19394	6.09407	5.22429	0.61548	0.0002589	0.0015199	Up-regulated
NM_001286566	KIAA0513	9764	1.16325	1.4955	2.04882	2.17586	0.61534	0.0036988	0.0158326	Up-regulated
NM_032960	MAPKAPK2	9261	29.622	29.5686	45.1336	45.4507	0.6153	1.79E-24	6.76E-23	Up-regulated
NM_004872	TMEM59	9528	13.4182	14.0966	20.0385	22.1382	0.61491	2.10E-15	4.62E-14	Up-regulated
NM_001288616	TTC23	64927	2.88426	2.30979	3.98031	4.30712	0.61311	0.005713	0.022976	Up-regulated
NM_001300958	BSDC1	55108	1.32625	1.41243	2.51066	1.92872	0.61289	0.0123559	0.0443103	Up-regulated
NM_002971	SATB1	6304	1.17336	1.2231	1.80141	1.98247	0.61238	0.0015645	0.0075337	Up-regulated
NM_024698	SLC25A22	79751	13.4529	12.1411	22.0182	17.634	0.61201	2.31E-05	0.0001694	Up-regulated
NM_001271870	SRGAP2B	647135	6.67409	7.36111	11.0623	10.4818	0.61164	7.99E-10	1.07E-08	Up-regulated
NM_020957	PCDHB16	57717	7.2561	8.41464	12.2136	11.8967	0.61069	1.01E-07	1.07E-06	Up-regulated
NM_006315	PCGF3	10336	7.76611	7.91954	11.8031	12.1696	0.60954	8.88E-14	1.71E-12	Up-regulated
NM_005013	NUCB2	4925	29.087	27.4204	41.8676	44.6507	0.60912	3.30E-10	4.62E-09	Up-regulated
NM_001243925	MAPKAPK3	7867	11.3039	11.9023	22.3999	14.2988	0.60875	0.0034154	0.0147509	Up-regulated
NM_001042412	CYLD	1540	3.27739	1.99373	4.48238	3.93894	0.60815	0.006932	0.0271205	Up-regulated
NM_024552	CERS4	79603	5.69454	5.07283	8.84885	8.15993	0.6075	0.0031327	0.013638	Up-regulated
NM_080680	COL11A2	1302	5.02847	6.00826	10.2735	7.05432	0.60705	0.001463	0.0071146	Up-regulated
NM_001304815	CIC	23152	6.92744	8.3282	12.6165	10.8232	0.60634	1.06E-06	9.83E-06	Up-regulated
NM_006332	IFI30	10437	88.9897	87.0092	132.592	135.04	0.60622	4.05E-19	1.13E-17	Up-regulated
NM_017412	FZD3	7976	0.606073	0.592458	0.939935	0.946528	0.60541	0.0023553	0.0106985	Up-regulated
NM_001217	CA11	770	17.7782	17.5042	26.9872	26.9852	0.60539	6.70E-09	8.14E-08	Up-regulated
NM_002941	ROBO1	6091	2.72352	3.15669	5.58575	3.72464	0.60473	0.0049308	0.0202436	Up-regulated
NM_022767	AEN	64782	30.1178	29.4039	44.9797	45.393	0.60452	3.91E-24	1.44E-22	Up-regulated
NM_015054	UHRF1BP1L	23074	3.90622	3.36633	5.76528	5.45283	0.60423	4.43E-05	0.0003058	Up-regulated
NM_006516	SLC2A1	6513	38.0177	39.1849	60.4907	56.6709	0.60324	3.48E-24	1.28E-22	Up-regulated
NM_021999	ITM2B	9445	66.5039	67.4225	98.5409	104.652	0.60306	1.76E-23	6.25E-22	Up-regulated
NM_001308002	MEF2C	4208	6.69886	6.79911	8.72485	12.1697	0.60302	0.0002558	0.0015044	Up-regulated
NM_001017962	P4HA1	5033	11.3047	14.9725	20.9875	19.5642	0.60274	9.03E-05	0.0005857	Up-regulated
NM_001318338	FRMD4A	55691	17.3191	17.0308	26.8835	25.2488	0.60272	2.11E-21	6.66E-20	Up-regulated
NM_018833	TAP2	6891	21.7793	22.8782	37.0608	31.1876	0.60268	7.19E-08	7.72E-07	Up-regulated
NM_001317138	PFKFB4	5210	7.1608	6.43607	9.79479	11.088	0.60249	7.98E-06	6.41E-05	Up-regulated
NM_006570	RRAGA	10670	53.881	46.8456	76.6323	76.5705	0.60192	1.32E-11	2.09E-10	Up-regulated
NM_182923	KLC1	3831	13.3428	14.5951	20.0936	22.6538	0.60133	8.25E-07	7.76E-06	Up-regulated
NM_001008390	CGGBP1	8545	5.73824	4.491	7.11475	8.80431	0.60126	0.0008654	0.0045066	Up-regulated



NM_032268	ZNRF1	84937	9.74009	8.63052	13.9687	14.0216	0.60121	1.83E-09	2.34E-08	Up-regulated
NM_001272013	ITPRIP	85450	3.03191	3.05257	4.59938	4.71431	0.6008	2.09E-06	1.85E-05	Up-regulated
NM_001297599	MIER3	166968	1.87574	1.78858	2.84196	2.8692	0.60061	0.0015396	0.0074284	Up-regulated
NM_173872	CLCN3	1182	2.64751	3.71826	5.36296	4.59186	0.59928	0.0025403	0.0114343	Up-regulated
NM_004409	DMPK	1760	6.46413	5.54079	8.08995	10.6786	0.59915	0.0022737	0.0103734	Up-regulated
NM_001320836	N4BP2L2	10443	4.08565	4.03564	6.31951	6.14232	0.59904	1.85E-05	0.0001379	Up-regulated
NM_130807	MOB3A	126308	11.4408	11.1164	16.9021	17.3471	0.59865	2.04E-10	2.93E-09	Up-regulated
NR_026981	RPL23AP82	284942	10.1799	10.3808	15.9356	15.7391	0.59821	0.0001542	0.0009543	Up-regulated
NM_006732	FOSB	2354	2.547	2.60602	4.13042	3.89276	0.5972	0.0017743	0.0083874	Up-regulated
NM_001143679	GSTK1	373156	30.1745	30.1035	47.2943	44.1855	0.59614	3.16E-08	3.54E-07	Up-regulated
NM_001136126	CCND3	896	11.0986	10.482	16.6175	16.3197	0.59527	1.43E-05	0.0001093	Up-regulated
NM_001308047	PRUNE2	158471	4.1218	5.32858	7.70162	6.7542	0.59522	2.07E-05	0.0001527	Up-regulated
NM_001177639	DAG1	1605	5.33661	6.26881	8.09587	9.68761	0.595	4.80E-05	0.0003302	Up-regulated
NM_014899	RHOBTB3	22836	14.8429	14.1152	21.8323	21.8658	0.59477	5.01E-20	1.49E-18	Up-regulated
NM_178006	STARD13	90627	4.89169	4.73461	6.90814	7.7502	0.59475	5.68E-07	5.44E-06	Up-regulated
NR_125361	MORN1	79906	1.27931	1.5738	2.27507	2.26243	0.59473	0.0112183	0.0408126	Up-regulated
NM_015726	DCAF8	50717	4.8568	5.34353	8.26453	7.33121	0.59368	5.72E-05	0.0003869	Up-regulated
NM_080927	DCBLD2	131566	30.3005	30.039	44.1996	46.682	0.59362	2.27E-32	1.20E-30	Up-regulated
NM_001142599	P4HA2	8974	11.078	16.052	21.7733	20.2254	0.59346	0.0014491	0.0070743	Up-regulated
NM_020651	PELI1	57162	7.97133	7.32429	11.4433	11.7537	0.59216	1.54E-07	1.60E-06	Up-regulated
NM_001289823	FURIN	5045	37.1248	40.0673	54.9625	61.4918	0.59198	1.24E-14	2.56E-13	Up-regulated
NM_001162498	LPAR6	10161	2.96743	3.4347	4.87315	5.23107	0.59196	0.0083223	0.0317331	Up-regulated
NM_032667	BSC12	26580	10.5828	11.7838	16.9316	17.3512	0.59169	0.000181	0.0010987	Up-regulated
NM_001017995	SH3PXD2B	285590	27.2073	27.7996	41.987	40.711	0.59151	2.96E-41	2.06E-39	Up-regulated
NM_006079	CITED2	10370	40.2744	36.4501	59.2463	56.4622	0.5909	1.49E-12	2.56E-11	Up-regulated
NM_145731	SYNGR1	9145	55.6852	46.8772	77.0971	78.0965	0.59086	1.63E-08	1.88E-07	Up-regulated
NM_001171132	FAM3A	60343	5.05247	4.10233	7.49932	7.04462	0.59083	0.0124255	0.0445014	Up-regulated
NM_001257207	FGF1	2246	3.22361	3.23618	5.12724	4.79428	0.59073	0.0005245	0.0028685	Up-regulated
NM_170707	LMNA	4000	148.718	148.195	225.298	220.416	0.59057	2.88E-74	4.44E-72	Up-regulated
NM_022835	PLEKHG2	64857	6.52096	6.23601	9.83302	9.40027	0.59016	1.93E-12	3.29E-11	Up-regulated
NM_152857	WTAP	9589	5.6906	4.61672	7.92854	8.297	0.58994	0.0088606	0.0334058	Up-regulated
NM_014870	ZBTB40	9923	3.89393	2.60016	5.24435	4.81516	0.58976	0.0022665	0.0103454	Up-regulated
NM_182943	PLOD2	5352	15.7066	16.1287	22.2169	25.8683	0.58864	3.33E-09	4.17E-08	Up-regulated
NM_000029	AGT	183	2.8269	2.77312	4.26542	4.54843	0.58827	0.0090194	0.0339104	Up-regulated
NM_018982	YIPF1	54432	7.24	6.68565	10.2696	11.1942	0.58822	0.0009922	0.005077	Up-regulated
NM_001291717	PRAME	23532	3.17582	2.98376	5.22511	4.53523	0.58807	0.0124846	0.0446794	Up-regulated
NM_021070	LTBP3	4054	8.27952	6.35635	11.8975	10.4721	0.58797	0.0001831	0.0011098	Up-regulated
NM_005456	MAPK8IP1	9479	10.2063	9.43405	15.9558	13.855	0.58768	3.18E-06	2.73E-05	Up-regulated
NM_004049	BCL2A1	597	178.473	169.16	251.934	269.547	0.58739	3.52E-18	9.22E-17	Up-regulated
NM_001012426	FOXP4	116113	3.53586	3.78189	5.1972	5.92706	0.5866	2.63E-05	0.0001904	Up-regulated
NR_028406	FXYD5	53827	19.5838	18.9437	29.1758	29.0036	0.58659	1.17E-07	1.23E-06	Up-regulated
NM_145057	CDC42EP5	148170	90.1885	96.6629	140.874	139.523	0.58621	4.21E-14	8.37E-13	Up-regulated
NM_033292	CASP1	834	7.58398	7.62224	11.0179	12.5629	0.586	0.0043356	0.0181031	Up-regulated
NM_001130968	ZNF385A	25946	3.49449	3.73854	5.39482	5.96859	0.58575	0.0097504	0.0362102	Up-regulated
NM_001256071	RNF213	57674	11.2348	12.5345	17.8439	17.8055	0.58554	9.27E-21	2.86E-19	Up-regulated
NM_002923	RGS2	5997	14.0666	12.9166	19.2886	22.0384	0.58526	0.000376	0.0021306	Up-regulated
NM_032476	MRPS6	64968	163.133	156.735	238.842	239.698	0.58494	7.69E-27	3.32E-25	Up-regulated
NM_001128227	ase/N-acetylIn	10020	1.41681	1.37203	2.26554	2.07541	0.5849	0.007475	0.0289705	Up-regulated
NM_201413	APP	351	118.935	134.385	192.302	187.381	0.58472	1.37E-19	3.94E-18	Up-regulated
NM_001304332	PPFIA4	8497	1.94813	1.7376	2.82836	2.82477	0.58472	0.0007925	0.0041624	Up-regulated
NM_001324403	PI15	51050	3.04304	3.62538	4.07838	6.35739	0.58355	0.0084153	0.0320301	Up-regulated
NM_078471	MYO18A	399687	15.2898	16.163	23.8758	23.2088	0.58348	3.55E-23	1.24E-21	Up-regulated
NM_001334	CTSO	1519	2.95005	3.00492	4.48076	4.75604	0.58328	0.0043236	0.018073	Up-regulated
NM_030816	ANKRD13C	81573	5.58017	5.01373	8.26733	7.71068	0.58241	6.32E-07	6.02E-06	Up-regulated
NM_013943	CLIC4	25932	106.462	105.927	155.73	161.283	0.58204	1.21E-61	1.36E-59	Up-regulated
NM_015713	RRM2B	50484	2.10925	2.19483	3.24222	3.37286	0.58177	0.0013119	0.0064854	Up-regulated
NM_001097620	TMEM184A	202915	1.1429	1.29389	1.90225	1.88274	0.58099	0.0071669	0.0279238	Up-regulated
NM_001128636	ELFN1	392617	3.51052	2.63168	4.69706	4.82656	0.58077	0.0054064	0.0219556	Up-regulated
NR_024348	head)(FBXL	283932	5.40786	5.28841	8.52826	7.64276	0.58072	1.91E-05	0.0001423	Up-regulated
NM_001029884	PLEKHG1	57480	1.07836	1.22929	1.92747	1.67623	0.58072	0.0072937	0.0283682	Up-regulated
NM_002892	ARID4A	5926	2.90179	3.06639	4.60526	4.43588	0.58026	4.08E-05	0.0002839	Up-regulated
NM_001010917	GOLGA7B	401647	6.54901	7.1676	10.9547	9.6787	0.58004	1.10E-07	1.16E-06	Up-regulated
NM_001131005	MEF2C	4208	3.92535	2.88419	5.8757	4.63144	0.57985	0.0039047	0.0165794	Up-regulated
NM_021954	GJA3	2700	5.09107	5.11116	7.62846	7.69911	0.57957	1.40E-07	1.46E-06	Up-regulated
NM_005493	RANBP9	10048	15.0855	16.1419	23.2571	23.4721	0.57935	2.50E-11	3.88E-10	Up-regulated
NM_001624	AIM1	202	6.97663	6.23712	9.69115	10.0989	0.5783	5.94E-10	8.06E-09	Up-regulated
NM_002673	PLXNB1	5364	12.0373	13.5156	19.2441	18.9381	0.57797	1.16E-13	2.20E-12	Up-regulated
NM_006700	TRAFD1	10906	11.708	11.0216	16.4624	17.6787	0.57735	4.26E-07	4.16E-06	Up-regulated
NR_130944	WDR73	84942	2.55063	2.40635	3.64924	3.99038	0.57645	0.0045215	0.0187807	Up-regulated
NM_032427	MAML2	84441	4.06499	4.09807	6.05385	6.17918	0.57601	3.56E-08	3.96E-07	Up-regulated
NM_031426	AIF1L	83543	1.92925	1.82979	2.95708	2.92357	0.57591	0.0136679	0.0482276	Up-regulated
NM_001040715	KIAA0895L	653319	5.76717	5.45887	8.54094	8.37188	0.57567	2.20E-05	0.0001615	Up-regulated
NM_002514	NOV	4856	26.5456	25.0858	37.5096	39.4719	0.57537	1.33E-13	2.52E-12	Up-regulated
NM_024617	ZCCHC6	79670	4.07665	4.08858	5.81067	6.48021	0.57532	7.71E-06	6.21E-05	Up-regulated
NM_005393	PLXNB3	5365	14.1198	14.7078	22.048	20.885	0.57521	9.36E-18	2.39E-16	Up-regulated
NR_040724	RBM39	9584	7.1983	7.10535	10.0751	11.4929	0.57419	5.48E-05	0.000373	Up-regulated
NM_001284240	CCSER2	54462	3.4437	2.52994	4.18547	4.94723	0.57391	0.002065	0.0095674	Up-regulated
NM_003358	UGCG	7357	19.3751	20.5403	29.3213	30.0565	0.57323	8.27E-17	1.97E-15	Up-regulated
NM_206900	RTN2	6253	10.9273	11.5674	17.5356	16.2496	0.57292	1.34E-05	0.0001029	Up-regulated
NM_015266	SLC9A8	23315	4.93292	7.04052	8.68624	9.52293	0.57263	0.0010303	0.0052385	Up-regulated
NM_006989	RASA4	10156	1.35855	1.67323	2.21669	2.48467	0.57237	0.0099971	0.0369897	Up-regulated
NM_015036	ENDOD1	23052	9.74372	9.87727	14.8885	14.3306	0.57188	1.56E-11	2.45E-10	Up-regulated
NM_031904	FRMD8	83786	17.5942	16.8486	25.1652	26.0234	0.57183	9.40E-15	1.95E-13	Up-regulated
NM_018349	MCTP2	55784	1.01781	1.14396	1.68702	1.64824	0.57179	0.0060566	0.0241452	Up-regulated

NM_001330261	NFE2L1	4779	13.0499	9.99224	18.4881	16.1981	0.57175	6.82E-05	0.0004551	Up-regulated
NM_001127173	CADM3	57863	3.65395	4.1005	5.81764	5.91311	0.57173	0.0003918	0.0022124	Up-regulated
NM_001042576	RRBP1	6238	22.3547	23.4306	33.2711	34.7416	0.5717	1.85E-17	4.59E-16	Up-regulated
NM_001293215	TUBB	203068	14.4232	12.2361	19.7609	20.1244	0.57092	2.20E-06	1.94E-05	Up-regulated
NM_001010854	TTC7B	145567	10.122	10.3598	15.5729	14.9624	0.57077	7.44E-09	8.97E-08	Up-regulated
NM_006086	TUBB3	10381	178.616	168.833	263.251	251.532	0.57054	1.71E-30	8.32E-29	Up-regulated
NM_001040457	RHBDD2	57414	5.88341	7.08228	9.27644	10.552	0.57004	0.0046432	0.0192236	Up-regulated
NM_017707	ASAP3	55616	20.176	20.1249	30.0307	29.7283	0.56998	2.59E-20	7.81E-19	Up-regulated
NR_036750	LOC440434	440434	4.70713	5.28244	7.63512	7.7956	0.56969	0.0106426	0.0390528	Up-regulated
NM_001042728	RARG	5916	11.3005	11.2113	16.7516	16.7958	0.56951	4.87E-08	5.34E-07	Up-regulated
NM_001024649	CANX	821	3.42287	4.26475	5.52825	6.12008	0.56934	0.000725	0.0038438	Up-regulated
NM_021724	NR1D1	9572	14.1907	12.6238	20.4961	19.4942	0.56894	2.14E-07	2.17E-06	Up-regulated
NM_138783	ZNF653	115950	6.30288	5.2939	8.48867	9.12744	0.56839	0.0022808	0.0104008	Up-regulated
NM_002360	MAFK	7975	13.2713	13.9512	22.1332	18.5235	0.56786	1.97E-06	1.75E-05	Up-regulated
NM_005402	RALA	5898	18.1349	17.0183	24.7284	27.5577	0.56786	1.25E-08	1.47E-07	Up-regulated
NM_001278438	FNDC3A	22862	1.54864	1.54349	2.05525	2.73081	0.56761	0.0107302	0.0393515	Up-regulated
NM_012244	SLC7A8	23428	73.7279	80.2258	116.073	111.707	0.56729	2.52E-24	9.36E-23	Up-regulated
NR_030717	SNAPC2	6618	15.5798	15.8286	23.1504	23.7859	0.56681	1.69E-05	0.0001271	Up-regulated
NM_001113348	ECE1	1889	26.1187	30.0464	41.7025	41.5359	0.56622	6.43E-13	1.15E-11	Up-regulated
NM_016133	INSIG2	51141	5.53077	5.34296	7.5653	8.87486	0.56605	0.001142	0.0057374	Up-regulated
NM_199444	COPE	11316	11.5277	13.2754	17.4718	20.6373	0.56602	0.0087035	0.0329042	Up-regulated
NM_133373	PLCD3	113026	8.72065	8.90351	14.2199	12.1164	0.56596	1.03E-05	8.10E-05	Up-regulated
NM_001278710	NRN1	51299	18.1961	18.7314	27.2192	27.7536	0.56574	9.37E-07	8.73E-06	Up-regulated
NM_033240	PML	5371	2.95427	3.6304	5.60857	4.51898	0.56544	0.0072689	0.0282807	Up-regulated
NM_014045	LRP10	26020	16.3892	16.3346	25.0446	23.3428	0.56528	2.55E-19	7.26E-18	Up-regulated
NM_001130066	SYNGAP1	8831	4.15305	4.55821	6.36929	6.60778	0.56507	2.22E-06	1.95E-05	Up-regulated
NM_001166110	PALLD	23022	7.97676	7.34413	11.2862	11.4753	0.56507	4.71E-08	5.18E-07	Up-regulated
NM_00101074	UGT2B7	7364	10.8509	8.98716	14.2853	15.629	0.56475	0.0007121	0.0037817	Up-regulated
NM_033550	TP53RK	112858	12.1411	11.1583	17.2873	17.281	0.56428	7.78E-09	9.35E-08	Up-regulated
NM_032310	CARD19	84270	71.7941	71.9367	111.253	101.561	0.56393	1.91E-10	2.76E-09	Up-regulated
NM_003805	CRADD	8738	19.4323	18.6821	27.1731	29.8254	0.563	8.14E-05	0.0005338	Up-regulated
NM_016479	SHISA5	51246	26.6452	27.2079	41.3856	38.2245	0.56262	3.98E-11	6.06E-10	Up-regulated
NM_007034	member B4(T	11080	4.0918	3.96692	5.38915	6.871	0.56246	0.0054706	0.0221736	Up-regulated
NM_005566	LDHA	3939	1306.23	1249.42	1835.4	1927.77	0.56226	3.28E-40	2.19E-38	Up-regulated
NM_002518	NPAS2	4862	14.8938	15.4384	22.1235	22.6579	0.56178	5.46E-14	1.08E-12	Up-regulated
NM_002305	LGALS1	3956	4991.13	4690.98	7182.92	7020.61	0.56068	7.12E-40	4.69E-38	Up-regulated
NM_014272	ADAMT57	11173	1.3534	1.37594	2.04441	2.12381	0.56037	0.0089972	0.0338406	Up-regulated
NM_138423	CASC4	113201	4.1496	5.11389	6.16207	7.89972	0.56001	0.0037952	0.0161827	Up-regulated
NM_201384	PLEC	5339	31.9042	37.5396	58.8703	46.3425	0.55888	0.0038205	0.0162763	Up-regulated
NM_203388	RNH1	6050	15.8029	17.9401	23.576	26.5988	0.55743	4.29E-05	0.0002973	Up-regulated
NM_022873	IFI6	2537	13.0641	11.5098	18.7603	18.7703	0.55687	0.0116922	0.0421991	Up-regulated
NM_001318827	TSC2	7249	2.03414	1.73641	2.95039	2.77811	0.5567	0.0044943	0.018684	Up-regulated
NM_001171166	CAMTA2	23125	21.2123	22.637	33.598	30.9052	0.55623	2.55E-13	4.71E-12	Up-regulated
NM_001164579	C16orf52	730094	5.52022	6.01431	8.14338	8.94855	0.55609	1.23E-05	9.50E-05	Up-regulated
NM_017877	SLC35F6	54978	16.7625	16.9406	26.3523	23.3196	0.55597	7.96E-10	1.07E-08	Up-regulated
NM_001303007	DDAH2	23564	7.6835	9.73453	13.71	12.4425	0.5558	0.0015944	0.0076505	Up-regulated
NM_004977	KCNC3	3748	4.74602	4.76441	7.5301	6.69754	0.55515	0.0006002	0.003243	Up-regulated
NM_001077701	MIER1	57708	1.90521	1.99855	2.69495	3.21768	0.55505	0.0050661	0.0207365	Up-regulated
NM_207380	C15orf52	388115	12.354	12.7543	18.5865	18.2825	0.55466	2.41E-15	5.25E-14	Up-regulated
NM_012401	PLXNB2	23654	54.066	57.3859	82.9776	80.3242	0.55428	5.01E-32	2.60E-30	Up-regulated
NM_006534	NCOA3	8202	2.10492	2.70392	3.92039	3.30936	0.55417	0.0025122	0.0113395	Up-regulated
NM_198793	CD47	961	16.3701	16.7474	24.8555	23.6919	0.5532	1.97E-17	4.86E-16	Up-regulated
NM_001122659	EDNRR	1910	5.04862	4.78168	7.40793	7.13298	0.55302	1.81E-05	0.0001351	Up-regulated
NM_138457	FOXP4	116113	4.78189	4.17832	7.20717	6.10071	0.55255	0.0001583	0.0009767	Up-regulated
NM_001040458	ERAP1	51752	4.27461	4.45022	6.37002	6.5316	0.55243	7.87E-06	6.33E-05	Up-regulated
NM_001165415	LDHA	3939	14.1957	10.1611	17.0048	19.6763	0.55225	0.0043015	0.0179845	Up-regulated
NM_002818	PSME2	5721	113.142	107.576	161.707	161.544	0.55215	5.86E-14	1.15E-12	Up-regulated
NM_004933	CDH15	1013	4.62243	5.13952	6.86985	7.76737	0.55187	0.0016493	0.0078765	Up-regulated
NM_000169	GLA	2717	63.077	62.9365	93.4388	91.0136	0.55179	3.24E-17	7.91E-16	Up-regulated
NM_001261403	NFKB2	4791	5.12562	4.80406	7.96732	6.84951	0.55119	0.0008951	0.0046449	Up-regulated
NM_033513	TPGS1	91978	48.6534	46.4029	72.1055	67.4754	0.55117	5.54E-09	6.78E-08	Up-regulated
NM_033445	HIST3H2A	92815	47.4197	45.5379	70.3056	68.9371	0.55096	0.0028562	0.01263	Up-regulated
NM_001201483	ENO1	2023	6.36482	7.15564	11.268	9.02262	0.5508	0.0025168	0.0113519	Up-regulated
NM_015213	DENND5A	23258	31.0928	31.4053	45.9495	45.3809	0.55044	7.59E-32	3.91E-30	Up-regulated
NM_002718	PPP2R3A	5523	2.65625	2.88295	3.99798	4.19923	0.55043	7.06E-05	0.000469	Up-regulated
NM_000919	PAM	5066	6.11265	6.04612	10.3728	7.73607	0.55029	0.0006838	0.0036435	Up-regulated
NM_001080477	TENM3	55714	7.25684	7.54813	11.1465	10.4927	0.54792	7.06E-15	1.48E-13	Up-regulated
NM_001006613	TCEAL9	51186	18.4426	17.5735	26.8636	26.6328	0.54738	0.0005597	0.0030441	Up-regulated
NM_153373	PHYKPL	85007	9.15083	9.49026	13.7652	13.7302	0.54635	7.37E-05	0.0004879	Up-regulated
NM_006395	ATG7	10533	18.6026	16.6369	28.47	23.2998	0.54617	2.22E-06	1.95E-05	Up-regulated
NM_006939	SOS2	6655	4.6394	5.1488	6.99736	7.38831	0.54492	6.03E-06	4.97E-05	Up-regulated
NM_005347	) member 5(F	3309	184.044	184.044	268.887	266.288	0.54477	2.37E-87	4.36E-85	Up-regulated
NM_005581	blood group	4059	6.3518	5.97357	9.27683	8.97873	0.54329	0.0005791	0.0031392	Up-regulated
NM_001281777	ZMYND8	23613	8.24523	6.77091	10.3794	11.709	0.54285	5.11E-05	0.0003497	Up-regulated
NM_022495	osiphila)(PCN	64430	4.81115	5.03578	6.5844	7.98623	0.54172	0.0007514	0.0039746	Up-regulated
NM_152222	RELT	84957	7.23382	5.84955	10.4499	8.93408	0.54169	0.0012345	0.0061456	Up-regulated
NM_173475	DCUN1D3	123879	2.20707	2.22511	3.25616	3.2907	0.54164	0.0006069	0.0032728	Up-regulated
NM_001328682	APLP2	334	4.9898	4.97342	6.93268	7.74037	0.54153	0.0002323	0.0013773	Up-regulated
NM_006800	osiphila)(MS	10943	4.65369	4.03379	6.11756	6.94057	0.54114	0.0096634	0.035929	Up-regulated
NM_004269	MED27	9442	15.8484	15.6408	23.4792	22.7837	0.54103	5.83E-05	0.0003935	Up-regulated
NM_001042663	PLEKHG5	57449	2.70607	2.45091	4.34794	3.39999	0.541	0.0080342	0.0308003	Up-regulated
NM_174921	SMIM14	201895	3.36621	3.48131	4.58127	5.54351	0.54071	0.0007571	0.0040007	Up-regulated
NM_001193489	SECISBP2L	9728	8.55283	9.15472	13.1427	12.6159	0.54011	5.59E-12	9.14E-11	Up-regulated
NM_003632	CNTNAP1	8506	4.4971	4.71094	6.63712	6.85111	0.53973	3.78E-06	3.21E-05	Up-regulated

NM_006734	HIVEP2	3097	3.29571	3.53155	4.98095	4.97415	0.53945	1.09E-07	1.15E-06	Up-regulated
NM_003622	PPFIBP1	8496	82.8216	85.8782	121.165	123.288	0.53924	1.50E-50	1.36E-48	Up-regulated
NM_001077351	RBM23	55147	6.67553	6.12296	9.14008	9.70035	0.53874	0.0004688	0.0026024	Up-regulated
NM_032403	PCDHGC3	5098	35.3693	35.9129	52.5831	50.8332	0.5386	3.98E-16	9.05E-15	Up-regulated
NM_001199163	PSMC5	5705	25.3781	23.4534	36.1073	35.1706	0.53858	5.65E-07	5.43E-06	Up-regulated
NM_016270	KLF2	10365	3.37305	3.88063	5.38864	5.43145	0.53844	0.0068064	0.0266933	Up-regulated
NM_018293	ZNF654	55279	8.12573	8.73359	12.0628	12.4875	0.53841	1.05E-08	1.24E-07	Up-regulated
NM_020379	MAN1C1	57134	3.41995	3.55997	5.29966	4.95034	0.53819	0.0003297	0.0018948	Up-regulated
NM_014755	SERTAD2	9792	10.9335	11.8218	16.4603	16.5875	0.53726	6.73E-12	1.09E-10	Up-regulated
NM_032870	PNISR	25957	2.88048	2.36765	4.23716	3.5871	0.53726	0.0053324	0.021701	Up-regulated
NM_017514	PLXNA3	55558	13.7545	13.9068	20.1047	19.9724	0.53664	2.79E-20	8.41E-19	Up-regulated
NM_033394	TANC1	85461	13.4232	12.6219	18.6462	19.0862	0.53623	1.91E-17	4.73E-16	Up-regulated
NM_033215	PPP1R3F	89801	4.47036	3.93648	6.37272	6.02557	0.53554	0.0013896	0.0068236	Up-regulated
NM_017944	USP47	55031	2.75433	2.49849	4.27746	3.46446	0.53528	0.001088	0.0054982	Up-regulated
NM_001098537	PNPLA7	375775	2.11235	2.40932	3.66155	3.08418	0.53493	0.0081441	0.031153	Up-regulated
NM_024015	HOXB4	3214	6.94702	7.43125	10.9795	10.209	0.53455	0.0013503	0.0066532	Up-regulated
NM_201540	NDRG2	57447	7.64222	6.29151	10.4991	10.1148	0.53433	0.0029773	0.0130804	Up-regulated
NM_021137	TNFAIP1	7126	16.0424	15.5601	22.875	22.8847	0.53376	4.98E-13	8.98E-12	Up-regulated
NM_001317136	PFKFB4	5210	31.6186	32.5595	49.6812	43.3429	0.53354	2.59E-10	3.69E-09	Up-regulated
NM_001040439	MAPK8IP3	23162	16.6001	16.7946	24.2172	24.0574	0.53351	6.31E-20	1.86E-18	Up-regulated
NM_001002914	KCTD11	147040	6.52942	6.39106	9.73071	9.13085	0.53344	9.61E-05	0.0006213	Up-regulated
NM_001975	ENO2	2026	31.0349	28.5976	44.8411	41.5325	0.53297	3.14E-10	4.42E-09	Up-regulated
NM_133493	CD109	135228	99.2752	103.978	145.43	147.767	0.5326	1.37E-47	1.17E-45	Up-regulated
NM_001301365	LYST	1130	4.33198	5.32746	6.81038	7.24552	0.53249	3.55E-06	3.03E-05	Up-regulated
NM_198507	FAM174A	345757	9.44625	10.0147	14.2369	14.5254	0.53166	0.0030821	0.0134664	Up-regulated
NM_003179	SYP	6855	5.14838	4.86369	7.34926	7.40291	0.53149	0.0025656	0.0115342	Up-regulated
NR_045058	UBTF	7343	2.39813	3.11684	3.95669	4.23531	0.53139	0.0063466	0.0251324	Up-regulated
NM_003316	TTC3	7267	1.2683	1.72928	2.44106	2.05053	0.53116	0.0131879	0.0467498	Up-regulated
NM_031895	CACNG8	59283	3.12127	3.98456	5.70318	4.74655	0.53035	0.0012723	0.0063144	Up-regulated
NM_006460	HEXIM1	10614	29.2606	30.3067	43.3039	42.5324	0.52996	1.09E-24	4.17E-23	Up-regulated
NM_201414	APP	351	7.10367	6.96728	10.0915	10.3506	0.52987	1.03E-05	8.09E-05	Up-regulated
NR_027692	PHF1	5252	10.8152	10.2186	16.0297	14.6455	0.52983	5.67E-05	0.000384	Up-regulated
NM_022833	FAM129B	64855	104.988	103.587	165.163	136.364	0.52961	1.21E-09	1.58E-08	Up-regulated
NM_014734	SUSD6	9766	4.40972	3.98891	5.79236	6.43993	0.52948	0.0001156	0.0007347	Up-regulated
NM_003190	TAPBP	6892	58.0256	58.4651	88.7371	79.2799	0.52934	2.13E-15	4.68E-14	Up-regulated
NM_144653	NACC2	138151	6.88324	6.80628	9.76357	10.0101	0.52932	1.12E-10	1.64E-09	Up-regulated
NM_024310	PLEKHF1	79156	20.347	19.6223	29.1848	28.7375	0.52909	3.71E-07	3.65E-06	Up-regulated
NM_006887	ZFP36L2	678	36.1215	36.1193	52.2254	51.7618	0.52881	5.95E-26	2.44E-24	Up-regulated
NM_139156	AMPD2	271	20.6874	20.9771	30.8126	29.2645	0.52881	1.95E-14	3.97E-13	Up-regulated
NM_001466	FZD2	2535	8.02397	7.87756	11.7798	11.2689	0.52872	7.57E-07	7.15E-06	Up-regulated
NM_001166247	GRIK2	2898	4.03031	3.87822	5.2595	6.33627	0.52847	0.0009791	0.0050167	Up-regulated
NM_001199383	RNF145	153830	59.1789	58.7691	85.6823	83.9725	0.52838	3.66E-36	2.14E-34	Up-regulated
NM_006736	member B2(I	3300	41.503	42.4005	60.1544	60.5823	0.52812	2.14E-24	8.03E-23	Up-regulated
NM_002395	ME1	4199	21.8426	22.3363	33.0861	30.6027	0.52793	2.16E-12	3.65E-11	Up-regulated
NM_002484	NUBP1	4682	28.4401	28.0582	38.3073	43.6913	0.52763	1.45E-05	0.0001106	Up-regulated
NM_005851	CDK2AP2	10263	16.7188	19.2185	28.8119	23.7646	0.52705	0.0010284	0.0052328	Up-regulated
NM_003804	RIPK1	8737	5.46996	5.37943	7.80587	7.93013	0.52678	2.07E-05	0.0001529	Up-regulated
NM_020205	OTUD7B	56957	8.68106	9.14354	13.286	12.4181	0.52668	3.29E-10	4.61E-09	Up-regulated
NM_182924	MICALL2	79778	14.9684	14.8793	22.0221	20.9969	0.5257	1.87E-09	2.39E-08	Up-regulated
NM_001170718	BCAR1	9564	38.5843	40.2439	57.6821	55.6046	0.52559	6.13E-20	1.81E-18	Up-regulated
NM_145056	DACT3	147906	9.23377	8.26041	13.1967	12.2118	0.52471	7.95E-05	0.0005223	Up-regulated
NM_001018078	FPGS	2356	5.77317	5.20202	8.02164	8.08375	0.52433	0.0030243	0.0132476	Up-regulated
NM_001042486	DLGAP4	22839	14.5339	14.9645	20.3216	22.2065	0.52322	6.16E-08	6.66E-07	Up-regulated
NM_020133	AGPAT4	56895	1.471	1.84498	2.36448	2.52148	0.52309	0.0055533	0.0224469	Up-regulated
NM_001271629	MEF2D	4209	6.09771	6.38895	8.9714	9.01952	0.52226	7.75E-08	8.27E-07	Up-regulated
NM_012424	RPS6KC1	26750	4.99199	4.93003	7.75775	6.64642	0.5218	0.0003745	0.0021235	Up-regulated
NM_015898	ZBTB7A	51341	9.35397	9.71004	14.0183	13.3507	0.52176	1.02E-11	1.62E-10	Up-regulated
NM_003565	ULK1	8408	10.2079	11.2239	15.5075	15.292	0.52174	1.54E-09	2.00E-08	Up-regulated
NM_020453	tative)(ATP1I	57205	4.12234	3.95767	5.82452	5.84496	0.52161	3.16E-06	2.72E-05	Up-regulated
NM_013437	LRP12	29967	6.95107	7.83649	11.1461	10.2048	0.52062	2.55E-05	0.0001852	Up-regulated
NM_001319303	KAZALD1	81621	5.02995	5.16468	7.1743	7.7101	0.51987	0.0014089	0.0069042	Up-regulated
NM_001081562	DMPK	1760	4.29055	5.17318	7.86936	6.15198	0.51967	0.0132844	0.0470438	Up-regulated
NM_001346445	M_00134644	NA	23.6344	30.0589	38.5847	39.7152	0.51964	0.0016783	0.0080009	Up-regulated
NM_018413	CHST11	50515	13.9791	12.1186	18.4235	19.0644	0.51962	1.07E-08	1.27E-07	Up-regulated
NM_021982	SEC24A	10802	7.54763	8.41465	11.3711	11.5616	0.51961	1.79E-08	2.06E-07	Up-regulated
NM_001318100	LZTS2	84445	26.6848	28.2045	41.1273	37.5684	0.51892	2.19E-10	3.14E-09	Up-regulated
NM_001242854	ARFIP2	23647	3.79887	3.5925	5.8235	4.96894	0.51877	0.0030738	0.0134394	Up-regulated
NM_015691	WWC3	55841	2.74557	3.35076	4.37576	4.49022	0.51826	0.0009197	0.0047522	Up-regulated
NM_198219	ING1	3621	10.9883	11.0069	16.3607	15.2741	0.51784	2.17E-06	1.92E-05	Up-regulated
NM_018174	MAP1S	55201	98.8221	100.432	143.756	140.444	0.51664	2.96E-43	2.20E-41	Up-regulated
NM_001320153	CCNL2	81669	29.5914	31.8271	43.1871	44.5607	0.51622	9.47E-16	2.12E-14	Up-regulated
NM_153029	N4BP1	9683	6.55102	6.25724	9.23088	9.10636	0.51564	1.41E-09	1.84E-08	Up-regulated
NM_031361	COL4A3BP	10087	8.46293	9.60797	13.2842	12.6397	0.51533	4.16E-07	4.07E-06	Up-regulated
NM_001286585	CDIPT	10423	20.845	17.8286	28.8714	26.8704	0.51531	5.66E-05	0.0003839	Up-regulated
NM_206926	SELENON	57190	58.1225	64.0517	90.8957	83.6376	0.51525	1.42E-13	2.69E-12	Up-regulated
NM_001286561	NUMA1	4926	6.00102	8.7118	11.7159	9.74655	0.51481	0.0039229	0.0166381	Up-regulated
NM_182540	INTS6L	203522	2.64725	3.11139	4.20167	4.24114	0.51477	0.0073037	0.028393	Up-regulated
NM_079423	MYL6	4637	301.721	283.395	439.576	394.955	0.51462	2.66E-12	4.47E-11	Up-regulated
NM_002730	PRKACA	5566	14.8167	22.3458	26.3495	27.82	0.51379	0.0047136	0.0194602	Up-regulated
NM_138368	AP5B1	91056	13.3829	13.2766	18.4435	19.5715	0.51339	6.88E-15	1.44E-13	Up-regulated
NM_130445	COL18A1	80781	2.60497	2.99605	3.83931	4.2955	0.51322	0.0025198	0.0113578	Up-regulated
NM_021173	POLD4	57804	19.0303	18.2947	26.3678	27.1388	0.51318	2.28E-06	2.01E-05	Up-regulated
NM_024596	MCPH1	79648	1.05246	1.16985	1.60066	1.66286	0.51259	0.0110829	0.04042	Up-regulated
NM_198484	ZNF621	285268	5.28621	7.14939	9.53775	8.44397	0.5122	0.0008916	0.0046304	Up-regulated

NM_001145135	CPT1B	1375	5.8847	7.26066	9.35242	9.71758	0.51214	0.0025055	0.0113149	Up-regulated
NM_003598	TEAD2	8463	15.5213	16.5361	24.899	21.1548	0.512	7.64E-05	0.0005035	Up-regulated
NM_015448	nouse)(DPCI	25911	27.6776	29.0319	39.7443	41.9548	0.51194	0.000429	0.002401	Up-regulated
NM_001256277	RAB34	83871	15.3243	19.6751	27.4627	23.4242	0.5119	0.0040245	0.0170276	Up-regulated
NM_006263	PSME1	5720	79.9658	82.0733	111.951	118.923	0.51187	6.08E-11	9.15E-10	Up-regulated
NM_001105079	FBR5	64319	38.1695	38.1365	56.6718	52.0016	0.51181	2.27E-16	5.26E-15	Up-regulated
NR_037916	XIAP	331	2.557	2.58082	3.99342	3.41602	0.51116	0.0006418	0.0034415	Up-regulated
NM_001256455	ZBTB7B	51043	7.47301	7.59863	9.29532	12.5698	0.51096	0.0026826	0.0119786	Up-regulated
NM_001307936	SLC38A2	54407	5.27296	4.19915	6.65065	7.04362	0.5108	0.0012138	0.006052	Up-regulated
NM_001130965	SUN1	23353	6.26169	5.57475	9.60555	7.56116	0.51076	0.0023714	0.0107626	Up-regulated
NM_030647	KDM7A	80853	2.51215	2.82671	3.74676	3.91692	0.51037	6.59E-05	0.00044	Up-regulated
NM_001346768	M_00134676	NA	7.3021	8.19088	11.6349	10.5211	0.50998	1.24E-06	1.13E-05	Up-regulated
NM_005721	ACTR3	10096	40.2131	40.076	55.9657	58.0661	0.50988	2.84E-32	1.49E-30	Up-regulated
NM_001001701	C4orf3	401152	25.8109	25.9576	36.1747	37.4768	0.50926	1.97E-13	3.67E-12	Up-regulated
NM_003214	TEAD3	7005	7.79427	6.06462	10.4932	9.59899	0.50906	0.0031073	0.013559	Up-regulated
NM_006423	RABAC1	10567	401.032	381.768	553.937	555.652	0.50889	6.49E-28	2.91E-26	Up-regulated
NM_173582	PGM2L1	283209	3.62762	4.09988	5.25271	5.81473	0.50847	2.94E-05	0.0002108	Up-regulated
NM_006084	IRF9	10379	29.8733	29.2067	41.2696	42.8474	0.50847	7.49E-09	9.02E-08	Up-regulated
NM_001142551	WDR47	22911	4.08377	4.8781	6.71547	6.20586	0.50842	0.0012728	0.0063151	Up-regulated
NM_201403	MOB3C	148932	4.57147	4.50886	6.76528	6.39143	0.50841	0.0030234	0.0132467	Up-regulated
NM_052951	DNTT1P1	116092	45.8023	45.6359	66.6152	63.431	0.50824	1.55E-09	2.01E-08	Up-regulated
NM_006341	east)(MAD2L	10459	110.292	100.861	149.824	149.999	0.50823	5.87E-13	1.05E-11	Up-regulated
NM_145271	ZNF688	146542	8.24367	9.10125	12.4924	12.5139	0.50778	0.0017588	0.0083327	Up-regulated
NM_001318852	MAPK8IP3	23162	3.03986	4.43151	5.22598	5.69611	0.50715	0.0115015	0.0416843	Up-regulated
NM_006053	TCIRG1	10312	4.46154	4.66111	6.75753	6.51235	0.50689	0.0060826	0.0242328	Up-regulated
NM_025268	TMEM121	80757	9.13893	11.19	15.2635	14.2693	0.50679	0.0062884	0.0249327	Up-regulated
NM_001102426	TBC1D8	11138	5.49473	5.28318	7.77467	7.6459	0.50652	4.14E-05	0.0002876	Up-regulated
NM_001166139	LCORL	254251	1.74552	1.81143	2.46456	2.73043	0.50651	0.0131553	0.04666	Up-regulated
NM_005157	ABL1	25	7.86817	7.63339	11.6821	10.4099	0.50565	8.12E-07	7.65E-06	Up-regulated
NM_015144	ZCCHC14	23174	16.1345	17.7122	24.0086	24.0061	0.50565	7.41E-14	1.44E-12	Up-regulated
NM_020239	CDC42SE1	56882	41.5508	42.9411	61.3943	58.3797	0.50564	1.09E-17	2.75E-16	Up-regulated
NM_001190991	CNPY2	10330	15.9176	16.2557	22.2484	24.1214	0.5056	0.0015948	0.0076505	Up-regulated
NM_015473	HEATR5A	25938	6.27755	6.44218	8.871	9.19	0.50476	5.99E-10	8.12E-09	Up-regulated
NM_025224	ZBTB46	140685	3.47195	3.35466	4.80477	4.96231	0.50391	0.0003088	0.001785	Up-regulated
NM_182838	SLC35E2	9906	6.81804	6.67004	9.55501	9.59501	0.50358	6.85E-09	8.30E-08	Up-regulated
NM_032892	FRMD5	84978	4.20148	4.60335	6.84553	5.79892	0.50351	0.0008228	0.0043036	Up-regulated
NM_007346	OGFR	11054	94.4463	93.4865	135.063	130.574	0.50337	3.28E-30	1.58E-28	Up-regulated
NM_001142395	PRRG1	5638	3.67155	3.84708	5.01373	5.81154	0.50298	0.0016551	0.0078963	Up-regulated
NM_032732	IL17RC	84818	18.3121	17.0987	24.7867	25.4106	0.50143	1.62E-07	1.67E-06	Up-regulated
NM_005245	FAT1	2195	8.52282	9.66394	12.677	13.0644	0.50088	5.08E-11	7.68E-10	Up-regulated
NM_001002857	ANXA2	302	112.667	116.666	164.806	158.897	0.50085	1.79E-22	5.96E-21	Up-regulated
NM_001007228	SPOP	8405	14.5647	13.9818	20.7217	19.7559	0.50062	1.15E-07	1.21E-06	Up-regulated
NM_024298	MBOAT7	79143	48.4497	49.594	70.7961	67.6945	0.5006	3.42E-18	8.96E-17	Up-regulated
NM_020650	RCN3	57333	279.891	277.879	405.361	381.414	0.50059	6.88E-31	3.41E-29	Up-regulated
NM_017432	PTOV1	53635	15.263	13.1624	21.9293	18.8149	0.50012	0.0014596	0.0071003	Up-regulated
NM_0033161	SURF4	6836	86.7051	91.0973	127.132	123.488	0.49876	1.28E-26	5.49E-25	Up-regulated
NM_001308051	PRUNE2	158471	10.155	8.45789	13.0778	13.3687	0.49865	2.65E-05	0.0001918	Up-regulated
NM_019895	CLDND1	56650	16.0102	12.7332	22.3537	18.8913	0.49861	0.0019237	0.008991	Up-regulated
NM_030913	SEMA6C	10500	5.48555	6.70649	8.91896	8.5303	0.49845	0.0008592	0.0044795	Up-regulated
NM_020451	SELENON	57190	5.15293	3.91261	6.36995	6.66858	0.49836	0.0048444	0.019927	Up-regulated
NM_001142602	SPHK1	8877	10.4598	10.154	15.9964	13.5453	0.4979	0.0019786	0.0092094	Up-regulated
NM_001322263	OC10050750	1E+08	10.6806	11.3	16.3674	15.4154	0.4973	0.0081072	0.0310305	Up-regulated
NM_020199	C5orf15	56951	28.6078	27.6198	38.6254	40.7289	0.49674	2.75E-10	3.90E-09	Up-regulated
NM_005324	H3F3B	3021	309.859	300.081	428.909	428.808	0.49672	8.24E-59	8.84E-57	Up-regulated
NM_024663	NPEPL1	79716	7.45184	8.34845	11.2713	11.3205	0.49605	0.0014121	0.0069165	Up-regulated
NM_003943	STBD1	8987	9.24111	8.54346	12.5736	12.6732	0.496	3.55E-05	0.0002503	Up-regulated
NM_012336	NARF	26502	41.7151	40.1077	59.8024	55.58	0.49586	2.76E-09	3.48E-08	Up-regulated
NM_170692	RASAL2	9462	2.36406	2.36351	3.09374	3.63442	0.4958	0.0002323	0.0013773	Up-regulated
NM_203341	SELENOF	9403	8.73765	11.8676	15.2752	14.4954	0.49542	0.0116546	0.0421169	Up-regulated
NM_015075	IQSEC2	23096	3.25269	3.4583	4.76242	4.79166	0.495	0.0004881	0.0026948	Up-regulated
NM_024876	COQ8B	79934	20.2171	20.7648	30.528	27.3649	0.49479	4.78E-07	4.64E-06	Up-regulated
NM_004230	S1PR2	9294	6.50158	6.43502	9.46048	8.92271	0.49472	7.77E-05	0.0005115	Up-regulated
NM_005740	DNAL4	10126	16.5638	15.5429	24.1386	21.4461	0.49444	0.0005383	0.0029363	Up-regulated
NM_006482	DYRK2	8445	13.3691	13.8312	19.1439	19.0993	0.49346	6.74E-15	1.42E-13	Up-regulated
NM_001137601	ZBTB42	1E+08	3.42421	3.1246	4.59467	4.80094	0.49302	0.0066699	0.0262308	Up-regulated
NM_006155	2-Sep	4735	3.19007	3.86858	5.33665	4.83675	0.49226	0.0101787	0.0376108	Up-regulated
NM_007368	RASA3	22821	50.1234	51.2617	72.3127	69.875	0.49167	5.33E-27	2.31E-25	Up-regulated
NM_006777	ZBTB33	10009	10.8966	10.759	14.7857	15.6802	0.49138	8.73E-10	1.17E-08	Up-regulated
NM_000543	SMPD1	6609	73.0657	75.1757	107.428	100.527	0.49121	4.71E-18	1.22E-16	Up-regulated
NM_003612	agen blood gr	8482	9.06592	10.4748	12.775	14.9446	0.49097	0.0004164	0.0023396	Up-regulated
NM_014504	RABGEF1	27342	3.68328	3.47202	5.34014	4.8777	0.49095	0.0036838	0.0157747	Up-regulated
NM_003222	TFAP2C	7022	18.4001	18.0235	25.7634	25.4242	0.49029	1.38E-09	1.80E-08	Up-regulated
NM_207352	CYP4V2	285440	3.52075	3.91407	5.36735	5.18844	0.49018	0.00101	0.0051542	Up-regulated
NM_054027	ANKH	56172	12.3192	13.2767	17.9943	17.9128	0.49007	3.58E-14	7.17E-13	Up-regulated
NM_001112732	MCF2L	23263	12.2882	13.0087	17.022	18.4831	0.48915	3.28E-10	4.61E-09	Up-regulated
NM_001018070	CORO1B	57175	22.6491	35.743	42.0163	41.861	0.48914	0.0103918	0.0382468	Up-regulated
NM_001320596	DDX5	1655	89.0012	82.0949	115.387	124.382	0.48902	9.38E-16	2.10E-14	Up-regulated
NM_002958	RYK	6259	9.12951	8.51804	12.372	12.5189	0.48877	4.82E-05	0.0003306	Up-regulated
NM_014822	SEC24D	9871	14.3763	14.3445	20.6137	19.6654	0.48836	3.18E-10	4.47E-09	Up-regulated
NM_001304762	EVA1B	55194	24.7479	25.6557	34.578	36.7353	0.48799	0.0004818	0.0026662	Up-regulated
NM_001530	HIF1A	3091	32.9737	30.645	43.7176	45.3781	0.48797	6.70E-15	1.41E-13	Up-regulated
NM_013392	NRBP1	29959	17.6915	21.1172	27.0681	27.6441	0.48793	4.14E-05	0.0002876	Up-regulated
NR_120317	LINC01314	1E+08	3.19335	2.806	4.00236	4.48344	0.48627	0.0009802	0.0050209	Up-regulated
NM_006186	NR4A2	4929	7.21861	6.12667	9.24256	9.63422	0.48579	0.0006062	0.0032713	Up-regulated

NM_0033452	TRIM47	91107	71.9887	73.9303	101.114	102.656	0.48538	4.67E-23	1.63E-21	Up-regulated
NM_015117	ZC3H3	23144	11.3863	11.9488	16.8995	15.854	0.4844	1.68E-06	1.50E-05	Up-regulated
NM_016374	ARID4B	51742	3.42356	4.2529	5.43682	5.43682	0.48438	0.0014687	0.0071336	Up-regulated
NM_007122	USF1	7391	9.56902	12.7109	17.3072	14.583	0.48435	0.0135769	0.0479244	Up-regulated
NM_006888	CALM1	801	106.214	104.696	145.159	148.907	0.48402	6.40E-46	5.09E-44	Up-regulated
NM_001099409	EHBPI1L1	254102	20.3088	20.1126	29.8819	26.6451	0.48368	5.10E-10	6.98E-09	Up-regulated
NM_015254	KIF13B	23303	8.34878	8.54082	12.0376	11.5547	0.48316	2.06E-12	3.49E-11	Up-regulated
NM_002131	HMGA1	3159	87.4379	91.0973	128.646	120.34	0.48254	5.04E-16	1.14E-14	Up-regulated
NM_014844	TECPR2	9895	2.33163	2.37256	3.46084	3.16298	0.48223	0.0003344	0.0019192	Up-regulated
NM_153213	ARHGEF19	128272	7.72672	7.9073	10.7412	11.1949	0.48112	4.07E-05	0.0002831	Up-regulated
NM_001284215	TRIP12	9320	8.74828	9.11249	11.485	13.4896	0.48057	5.26E-07	5.07E-06	Up-regulated
NM_014840	NUAK1	9891	1.62649	2.00697	2.64175	2.54444	0.48044	0.0115294	0.0417321	Up-regulated
NM_001320845	SAT2	112483	39.1329	40.1259	59.2948	51.7734	0.48009	0.0001091	0.0006966	Up-regulated
NM_000484	APP	351	159.459	162.891	219.798	228.457	0.48009	8.19E-39	5.20E-37	Up-regulated
NM_181892	UBE2D3	7323	10.1377	8.89827	13.3711	13.2678	0.47994	6.72E-06	5.47E-05	Up-regulated
NM_024830	LPCAT1	79888	31.254	30.5881	43.6092	42.434	0.47967	1.54E-18	4.09E-17	Up-regulated
NM_006832	FERMT2	10979	8.80703	8.34266	11.3552	12.6793	0.47959	0.0001024	0.0006583	Up-regulated
NM_001684	ATP2B4	493	12.8387	13.4299	18.1113	18.4625	0.47958	6.95E-17	1.67E-15	Up-regulated
NM_003099	SNX1	6642	22.4042	21.0801	29.3412	31.1561	0.47881	2.09E-16	4.86E-15	Up-regulated
NM_024585	ARMC7	79637	8.43717	8.84256	13.0012	11.3748	0.47867	0.0021993	0.0100845	Up-regulated
NM_001079673	FNDC3A	22862	4.97745	5.75095	7.31521	7.71508	0.47847	6.71E-05	0.0004477	Up-regulated
NM_000308	CTSA	5476	128.055	125.044	174.734	176.682	0.47806	8.52E-43	6.24E-41	Up-regulated
NR_003659	WASH3P	374666	5.4033	5.04234	7.69308	7.07733	0.47788	0.0061719	0.0245322	Up-regulated
NM_002406	2-N-acetylgl	4245	18.7171	18.9443	28.0031	24.5503	0.47781	1.66E-06	1.49E-05	Up-regulated
NM_030666	SERPINB1	1992	11.2565	10.0192	14.012	15.842	0.47758	0.0004144	0.002329	Up-regulated
NM_007066	atalytic) inhi	11142	16.7482	16.1204	22.5929	23.6814	0.4774	0.0015727	0.0075678	Up-regulated
NM_006509	RELB	5971	10.5111	11.0013	15.4331	14.6897	0.47738	0.0001525	0.0009456	Up-regulated
NM_003274	ADAM19	8728	13.6399	14.2367	19.9843	18.7786	0.47659	6.30E-12	1.03E-10	Up-regulated
NM_001257323	APBB1	322	16.8275	13.9678	23.0643	20.2209	0.47642	0.0012601	0.0062604	Up-regulated
NM_0030808	NDEL1	81565	13.471	12.4062	17.1852	18.9525	0.47461	9.94E-05	0.0006404	Up-regulated
NM_001035005	C18orf32	497661	10.1833	8.99635	12.4323	14.8075	0.47436	0.0104163	0.0383107	Up-regulated
NM_004491	ARHGAP35	2909	11.3787	11.1165	15.9674	15.2324	0.47387	1.23E-14	2.53E-13	Up-regulated
NM_138373	MYADM	91663	13.4807	13.9529	21.7494	16.7267	0.47373	0.0012556	0.0062412	Up-regulated
NM_015907	LAP3	51056	119.961	116.284	161.269	165.841	0.4736	8.18E-27	3.51E-25	Up-regulated
NM_133491	SAT2	112483	34.7782	29.1738	42.3251	47.4387	0.47356	0.0018947	0.0088707	Up-regulated
NM_198317	KLHL17	339451	16.9035	18.531	24.3428	24.9613	0.47326	1.05E-06	9.71E-06	Up-regulated
NM_001007561	IRGQ	126298	7.51799	7.96274	11.3415	10.1548	0.47215	5.86E-08	6.37E-07	Up-regulated
NM_006184	NUCB1	4924	136.124	145.477	196.682	192.87	0.47191	5.60E-23	1.93E-21	Up-regulated
NM_004368	CNN2	1265	29.2575	27.6641	39.7438	39.1278	0.47174	1.51E-10	2.20E-09	Up-regulated
NM_001136472	LITAF	9516	95.5392	95.5118	135.102	129.109	0.47155	1.11E-24	4.24E-23	Up-regulated
NM_001013703	EIF2AK4	440275	13.709	12.7243	18.7523	17.8912	0.47144	7.52E-10	1.01E-08	Up-regulated
NM_012416	RANBP6	26953	4.5353	5.01947	6.84464	6.50636	0.47061	0.000491	0.0027073	Up-regulated
NM_013306	SNX15	29907	13.618	13.5121	18.8697	18.8953	0.47052	8.28E-05	0.0005414	Up-regulated
NM_018370	DRAM1	55332	4.77623	5.03586	6.52194	7.23125	0.4701	0.0021053	0.0097257	Up-regulated
NM_001204302	APP	351	8.65664	8.00751	12.8726	10.4414	0.47004	0.0014643	0.0071191	Up-regulated
NM_002446	MAP3K10	4294	22.4045	23.9683	33.6634	30.5737	0.46964	2.82E-08	3.17E-07	Up-regulated
NM_004883	NRG2	9542	3.0246	3.1122	4.39238	4.23884	0.46925	0.0072989	0.02838	Up-regulated
NM_000930	PLAT	5327	21.2979	22.5794	30.691	29.9576	0.46785	3.13E-10	4.41E-09	Up-regulated
NM_052937	isferase doma	115294	3.43157	4.08769	5.18164	5.38376	0.46678	0.0056619	0.0228104	Up-regulated
NM_006355	TRIM38	10475	5.87838	6.17459	8.52003	8.16803	0.4667	5.84E-06	4.82E-05	Up-regulated
NM_004414	RCAN1	1827	15.8978	16.0907	21.9345	22.3425	0.46647	5.93E-07	5.67E-06	Up-regulated
NR_040722	RBM39	9584	4.44501	5.19426	7.13477	6.44748	0.46645	0.0096489	0.0358845	Up-regulated
NM_0021237	SELENOK	58515	162.767	161.34	226.422	220.011	0.46638	2.10E-14	4.25E-13	Up-regulated
NM_133171	ELMO2	63916	10.7137	9.58478	13.4176	14.7242	0.46627	2.31E-05	0.0001697	Up-regulated
NM_020717	SHROOM4	57477	1.67431	1.97103	2.43942	2.66963	0.46622	0.0038788	0.0164912	Up-regulated
NR_136715	PANK2	80025	2.1948	1.98292	2.68144	3.16953	0.46612	0.0047386	0.0195497	Up-regulated
NM_001305066	TMEM59	9528	107.642	90.4377	137.212	136.924	0.46602	1.27E-05	9.76E-05	Up-regulated
NM_001185080	CLDN15	24146	12.9257	14.2357	20.3547	17.4478	0.46558	0.0008912	0.0046297	Up-regulated
NM_175061	JAZF1	221895	8.06228	7.71297	10.9885	10.8944	0.46542	9.83E-05	0.0006348	Up-regulated
NM_0048368	CTDP1	9150	9.61217	7.94104	13.5633	11.0038	0.46528	0.003688	0.0157857	Up-regulated
NM_001099856	IKBKG	8517	9.50393	11.5617	13.2557	16.3516	0.46508	0.0103307	0.0380764	Up-regulated
NM_139245	PPM1L	151742	1.8319	1.66204	2.51435	2.35859	0.46487	0.0010194	0.005194	Up-regulated
NM_005572	LMNA	4000	322.938	325.325	449.73	441.612	0.46458	1.75E-53	1.72E-51	Up-regulated
NM_015894	STMN3	50861	11.0933	10.4578	15.1592	14.7478	0.46454	0.0001208	0.0007652	Up-regulated
NM_001164748	RASSF8	11228	33.1232	34.1412	43.9932	48.6593	0.46358	1.51E-12	2.59E-11	Up-regulated
NR_024368	LINC01000	402483	6.3075	8.19991	10.9173	9.27415	0.4631	0.0011585	0.0058098	Up-regulated
NM_020840	FNIP2	57600	7.55771	7.41446	10.351	10.2533	0.46172	3.20E-09	4.01E-08	Up-regulated
NM_032802	SPPL2A	84888	28.099	28.5939	38.614	39.472	0.46139	9.13E-09	1.09E-07	Up-regulated
NM_001276294	NISCH	11188	4.3466	4.62854	6.6137	5.98583	0.46056	0.0124247	0.0445014	Up-regulated
NM_213589	ckstrin homol	65059	3.04897	2.85362	3.97881	4.17746	0.46049	4.12E-05	0.0002863	Up-regulated
NM_181443	BTBD3	22903	17.8655	17.7034	24.3362	24.5305	0.4601	2.02E-13	3.77E-12	Up-regulated
NM_001039671	YIF1B	90522	5.29332	5.38182	7.87519	7.01479	0.45959	0.0062071	0.0246566	Up-regulated
NM_001330731	SLC44A1	23446	11.6138	10.947	15.2832	15.8697	0.45858	0.000109	0.0006963	Up-regulated
NM_024536	CHPF	79586	148.557	150.966	211.33	199.12	0.45851	3.89E-25	1.52E-23	Up-regulated
NM_007223	GPR176	11245	5.05899	5.24109	7.18444	7.05497	0.45816	0.0001912	0.001156	Up-regulated
NM_000966	RARG	5916	9.76393	10.8298	14.0183	14.4111	0.45814	9.30E-05	0.0006021	Up-regulated
NM_015917	GSTK1	373156	109.577	110.09	149.123	151.65	0.45687	5.50E-14	1.08E-12	Up-regulated
NM_145754	KIFC2	90990	32.5719	34.0106	46.056	45.1675	0.45671	2.57E-14	5.19E-13	Up-regulated
NM_001271788	DYNC1I2	1781	9.26541	8.42911	12.5917	11.7734	0.45644	1.82E-05	0.000136	Up-regulated
NM_003038	SLC1A4	6509	20.1224	21.1385	28.9754	27.5625	0.45623	1.28E-11	2.02E-10	Up-regulated
NM_005116	SLC23A2	9962	42.1824	40.8551	57.4745	56.1255	0.45616	1.81E-29	8.52E-28	Up-regulated
NM_016291	IP6K2	51447	18.2954	16.0623	23.2333	24.1564	0.45605	0.0002846	0.0016565	Up-regulated
NR_046084	SH3BP5-AS1	1E+08	34.3247	35.0493	46.8437	48.0705	0.45587	9.18E-24	3.30E-22	Up-regulated
NM_152334	TARSL2	123283	9.12546	8.31189	11.7895	12.2244	0.45526	0.0001198	0.0007591	Up-regulated

NM_203458	NOTCH2NL	388677	7.18461	7.53398	10.3278	9.8925	0.45472	2.37E-06	2.07E-05	Up-regulated
NM_015206	KIAA1024	23251	1.665	1.83916	2.36211	2.52682	0.4544	0.0117194	0.0422754	Up-regulated
NM_004055	CAPN5	726	7.75602	7.80997	11.0376	10.3401	0.45379	1.24E-05	9.53E-05	Up-regulated
NR_024389	FLJ16779	1E+08	12.1538	15.0952	19.3639	18.0863	0.45307	5.08E-05	0.0003482	Up-regulated
NM_032048	EMILIN2	84034	9.45339	9.33067	13.9458	11.8914	0.45279	0.000167	0.0010243	Up-regulated
NM_052925	LENG8	114823	60.5678	63.4872	89.0328	80.4589	0.45200	7.21E-12	1.17E-10	Up-regulated
NM_001161576	SAMD4A	23034	13.7591	12.0367	16.2921	19.1187	0.45172	3.62E-05	0.0002545	Up-regulated
NM_015125	CIC	23152	23.8886	23.8244	33.1802	31.906	0.45102	7.47E-17	1.79E-15	Up-regulated
NM_152649	MLKL	197259	4.3894	4.47589	6.1506	6.18658	0.45062	0.0104204	0.0383185	Up-regulated
NM_198562	C3orf62	375341	3.89022	4.18193	5.62764	5.54077	0.45024	0.0054241	0.0220086	Up-regulated
NM_001040454	SLC26A6	65010	11.1059	12.8327	18.4022	14.6912	0.44993	0.0040603	0.0171257	Up-regulated
NM_001300952	SRGAP2	23380	6.86067	8.72509	11.0995	10.4272	0.44986	0.0025265	0.0113797	Up-regulated
NM_002901	RCN1	5954	207.56	209.862	280.874	287.329	0.4497	1.12E-42	8.17E-41	Up-regulated
NM_005831	CALCOCO2	10241	16.0942	15.9099	22.3919	21.3001	0.44952	1.13E-08	1.33E-07	Up-regulated
NM_001520	GTF3C1	2975	11.6902	9.18586	13.8396	14.8188	0.44914	0.0002763	0.0016153	Up-regulated
NR_134455	FAM214B	80256	6.65356	5.91989	8.28707	9.10217	0.44863	0.0057392	0.023062	Up-regulated
NM_001947	DUSP7	1849	19.4645	19.6332	28.0918	25.293	0.44839	3.71E-07	3.65E-06	Up-regulated
NM_001946	DUSP6	1848	24.578	23.3926	32.6345	32.7695	0.44835	2.61E-11	4.03E-10	Up-regulated
NM_001012761	RGMB	285704	5.62249	5.83246	7.84132	7.8425	0.4482	0.0001019	0.0006556	Up-regulated
NM_194318	B3GLCT	145173	4.54226	4.15073	5.81897	6.15775	0.44807	0.0022019	0.010094	Up-regulated
NM_005876	SPEG	10290	1.20885	1.43767	1.91257	1.76315	0.44797	0.0116751	0.0421534	Up-regulated
NM_033046	RTKN	6242	7.52503	6.77861	10.1693	9.53833	0.44746	0.0029176	0.0128628	Up-regulated
NM_0022450	RHBDP1	64285	39.5563	40.177	55.766	52.7652	0.44733	1.49E-13	2.82E-12	Up-regulated
NM_001110781	SLC35E2B	728661	6.39981	5.74569	8.08585	8.53688	0.44714	3.77E-05	0.0002638	Up-regulated
NM_001779	CD58	965	25.3744	28.3215	36.9287	36.687	0.44699	0.0004265	0.0023904	Up-regulated
NM_003498	SNN	8303	10.4269	9.78586	13.5165	14.1124	0.44691	3.11E-05	0.0002216	Up-regulated
NM_001128164	ATXN1	6310	3.7833	3.8267	5.18915	5.18876	0.44638	5.58E-07	5.36E-06	Up-regulated
NM_0022737	PLPPR2	64748	15.0155	17.4863	21.8271	22.6211	0.44626	7.29E-05	0.0004829	Up-regulated
NM_020119	ZC3HAV1	56829	9.69876	9.44366	12.4964	13.5822	0.44625	1.74E-08	2.00E-07	Up-regulated
NM_016217	HECA	51696	3.25315	3.41789	4.54149	4.61124	0.44591	0.0012141	0.006052	Up-regulated
NM_014423	AFF4	27125	17.4252	17.0709	22.7895	24.0991	0.44585	4.21E-17	1.02E-15	Up-regulated
NM_021019	MYL6	4637	521.909	515.952	695.844	711.179	0.44539	1.24E-30	6.06E-29	Up-regulated
NM_145899	HMGA1	3159	185.554	175.173	246.528	243.093	0.44515	7.33E-24	2.64E-22	Up-regulated
NM_005627	SGK1	6446	96.135	91.9409	126.093	129.219	0.44491	3.37E-21	1.06E-19	Up-regulated
NM_006532	ELL	8178	5.85987	6.89456	9.01652	8.48302	0.44444	0.0014131	0.0069191	Up-regulated
NM_001199867	MARK4	57787	11.4293	11.9813	16.386	15.4721	0.44418	4.23E-08	4.67E-07	Up-regulated
NM_004187	KDM5C	8242	18.727	18.7712	26.3698	24.5642	0.4441	4.20E-13	7.63E-12	Up-regulated
NM_001102421	ZFAND5	7763	18.9032	15.8248	24.4992	22.8424	0.44384	9.67E-06	7.64E-05	Up-regulated
NM_003338	UBE2D1	7321	5.64844	6.02943	7.67429	8.43458	0.44382	0.0067882	0.0266383	Up-regulated
NM_178863	KCTD13	253980	40.4703	40.867	54.9204	55.6223	0.44379	1.04E-09	1.38E-08	Up-regulated
NM_018207	TRIM62	55223	5.74419	5.56402	7.69125	7.77597	0.44368	0.0005338	0.0029141	Up-regulated
NM_001682	ATP2B1	490	14.6221	15.5399	20.6061	20.3498	0.44303	2.21E-12	3.73E-11	Up-regulated
NM_002294	LAMP2	3920	6.4402	6.84419	9.02085	9.06415	0.443	9.00E-07	8.41E-06	Up-regulated
NM_001136537	BTBD19	149478	13.4118	13.5457	19.5827	17.4178	0.44209	0.0028871	0.0127433	Up-regulated
NM_001839	CNN3	1266	72.2942	73.0807	98.6285	98.3398	0.44193	3.19E-19	8.97E-18	Up-regulated
NM_003344	UBE2H	7328	29.7345	30.1151	40.5935	40.4968	0.44176	1.23E-20	3.79E-19	Up-regulated
NM_001037495	DYNLL1	8655	29.9766	30.3332	44.0519	38.7507	0.44171	0.0085281	0.0323885	Up-regulated
NR_110912	KCNC3	3748	8.15598	8.16784	11.1527	11.0873	0.44163	9.84E-05	0.000635	Up-regulated
NM_016516	VPS54	51542	4.36135	3.63911	5.73356	5.3112	0.44134	0.010251	0.0378557	Up-regulated
NM_014687	RUBCN	9711	3.45371	3.1617	4.35427	4.66332	0.44122	0.0001122	0.0007153	Up-regulated
NM_004073	PLK3	1263	11.3842	10.8623	15.5228	14.8043	0.44078	0.0001923	0.0011621	Up-regulated
NM_005587	MEF2A	4205	5.12912	6.03496	6.80656	8.51362	0.43994	0.0056455	0.0227619	Up-regulated
NM_144779	FXYD5	53827	27.1113	23.8265	33.7027	36.1855	0.43987	0.0056318	0.0227208	Up-regulated
NM_001007025	GOSR1	9527	3.94404	4.7425	5.71319	6.18356	0.4396	0.0036875	0.0157857	Up-regulated
NM_004566	PFKFB3	5209	21.1935	21.561	27.8709	30.0423	0.43957	1.51E-10	2.20E-09	Up-regulated
NM_001270448	ACADVL	37	24.1973	24.3084	34.0551	31.7186	0.43946	2.46E-07	2.48E-06	Up-regulated
NM_017988	SCYL2	55681	10.1045	9.41832	12.7521	13.7408	0.43854	7.38E-07	6.98E-06	Up-regulated
NM_001099666	PTAR1	375743	4.90098	5.52428	6.6938	7.47189	0.43786	4.34E-05	0.0003	Up-regulated
NM_001330692	PSMD4	5710	13.8878	12.1795	16.768	19.0747	0.43777	0.0123406	0.0442635	Up-regulated
NM_001848	COL6A1	1291	91.4678	93.586	129.965	120.103	0.43774	2.94E-17	7.21E-16	Up-regulated
NM_001320973	BLZF1	8548	10.0299	10.9768	13.0942	15.6211	0.43734	0.0020069	0.0093301	Up-regulated
NM_019556	MOSPD1	56180	8.17511	6.55658	9.83447	10.4004	0.43701	0.0122427	0.0439536	Up-regulated
NM_031431	COG3	83548	4.23605	4.06986	5.75565	5.5862	0.437	0.0014538	0.0070891	Up-regulated
NM_001001852	PIM3	415116	112.801	109.433	153.808	146.189	0.43671	7.68E-20	2.25E-18	Up-regulated
NR_027409	GOLGA8A	23015	6.25844	8.20617	11.015	8.83447	0.43638	0.0083853	0.0319433	Up-regulated
NM_015695	BRPF3	27154	6.84585	8.10588	9.94091	10.3774	0.43623	0.0001459	0.0009089	Up-regulated
NM_199424	WWP2	11060	13.8099	13.1194	18.5906	17.8886	0.43609	5.23E-07	5.05E-06	Up-regulated
NM_152735	ZBTB9	221504	12.5837	13.2034	17.5471	17.413	0.43604	2.28E-05	0.0001672	Up-regulated
NM_144671	FAM109A	144717	8.39801	8.34683	12.8953	10.0286	0.43563	0.0069268	0.02711	Up-regulated
NM_001440	EXTL3	2137	18.8479	20.176	26.7061	25.9939	0.43546	2.23E-12	3.76E-11	Up-regulated
NM_001135944	MADD	8567	3.77203	3.56733	4.84954	5.14785	0.43531	0.0010934	0.0055214	Up-regulated
NM_014784	ARHGEF11	9826	7.28856	6.00575	8.87052	9.18415	0.43504	0.0002941	0.0017073	Up-regulated
NM_021260	ZFYVE1	53349	11.5828	10.804	15.369	14.9027	0.4346	6.63E-07	6.31E-06	Up-regulated
NM_005953	MT2A	4502	4638.28	4228.08	5858.15	6032.36	0.43423	1.54E-13	2.90E-12	Up-regulated
NM_006804	STARD3	10948	32.4153	34.4642	44.5557	45.6555	0.43394	1.10E-10	1.62E-09	Up-regulated
NM_005166	APLP1	333	10.8033	10.9762	12.9847	16.8258	0.43371	0.0078691	0.0302402	Up-regulated
NM_134269	SMTN	6525	13.0181	11.9042	16.6713	17.0225	0.43338	1.24E-05	9.59E-05	Up-regulated
NM_001080482	C9orf172	389813	4.72365	4.54839	6.68269	6.02887	0.43326	0.012506	0.0447475	Up-regulated
NM_007049	BTN2A1	11120	12.2044	10.8597	15.8361	15.4258	0.43318	0.0001456	0.0009071	Up-regulated
NM_001308248	EV15	7813	2.31057	2.39613	3.36702	3.04912	0.43315	0.0036653	0.0157058	Up-regulated
NM_022173	TIA1	7072	8.37185	7.76697	10.4519	11.3943	0.4331	5.48E-05	0.0003729	Up-regulated
NM_007200	AKAP13	11214	2.40964	3.01153	3.87141	3.50613	0.43308	0.0023636	0.0107321	Up-regulated
NM_001145064	GATSL2	729438	2.62539	2.70125	3.85186	3.39651	0.43272	0.0019961	0.009282	Up-regulated
NM_005007	NFKBIL1	4795	16.1257	14.9215	22.1363	20.1666	0.43271	0.0026322	0.0117894	Up-regulated

NM_0006005	WFS1	7466	10.6459	11.4512	15.6771	14.2436	0.43244	5.87E-05	0.0003961	Up-regulated
NM_001080424	KDM6B	23135	6.77429	7.35376	9.45958	9.62772	0.43241	1.97E-06	1.75E-05	Up-regulated
NM_001099272	BTBD9	114781	1.66224	1.84427	2.29672	2.48579	0.43235	0.0073826	0.0286471	Up-regulated
NM_001283	AP1S1	1174	294.194	277.086	383.516	384.644	0.43212	1.27E-21	4.10E-20	Up-regulated
NM_001003931	nerase family	10039	12.3121	16.2951	18.2704	20.831	0.43153	0.0095377	0.0355503	Up-regulated
NM_004844	SH3BP5	9467	34.7702	34.0323	46.687	45.9	0.43152	1.36E-14	2.79E-13	Up-regulated
NM_022739	SMURF2	64750	4.49615	4.24796	5.99745	5.9048	0.43106	0.0035933	0.0154285	Up-regulated
NM_015374	SUN2	25777	90.3918	89.1062	123.052	118.161	0.43064	5.11E-27	2.22E-25	Up-regulated
NM_006769	LMO4	8543	11.7411	11.9169	15.748	16.1153	0.43012	2.74E-09	3.45E-08	Up-regulated
NM_183235	RAB27A	5873	9.54718	11.2568	13.2017	15.0033	0.43002	0.0014365	0.007018	Up-regulated
NM_001322439	HNRNP3	3189	17.1617	12.7094	19.9072	20.8511	0.4297	0.0080399	0.0308162	Up-regulated
NR_037162	TTL3	26140	5.10891	5.68965	7.26235	7.39489	0.42954	0.0013467	0.0066381	Up-regulated
NM_032167	SNX29	92017	3.68412	3.84111	5.44865	4.74072	0.42939	0.0005201	0.0028458	Up-regulated
NM_015622	CCZ1	51622	14.885	15.5597	19.1788	22.0332	0.42819	0.0016283	0.0077918	Up-regulated
NM_001033057	MAG1	9223	5.23093	4.98808	7.29436	6.50309	0.42804	0.0001267	0.0007997	Up-regulated
NM_004800	TM9SF2	9375	39.3969	40.2979	53.6445	53.2995	0.42791	5.39E-17	1.30E-15	Up-regulated
NM_032246	MEX3B	84206	9.70184	9.34605	12.901	12.7903	0.42744	3.16E-05	0.0002249	Up-regulated
NM_016127	SARAF	51669	91.4297	88.3698	120.21	120.763	0.42673	5.86E-20	1.73E-18	Up-regulated
NM_002755	MAP2K1	5604	46.0985	43.214	61.038	58.8185	0.42668	3.56E-11	5.45E-10	Up-regulated
NM_015603	CCDC9	26093	15.456	15.3491	21.1175	20.4029	0.42607	9.18E-05	0.0005946	Up-regulated
NM_003111	SP3	6670	6.1876	4.94066	7.33994	7.72757	0.42601	0.0020866	0.0096559	Up-regulated
NM_000158	GBE1	2632	35.5527	33.9113	45.088	48.0915	0.42591	2.53E-10	3.61E-09	Up-regulated
NM_016410	CHMP5	51510	41.3844	38.5198	52.7892	54.356	0.42489	8.90E-09	1.06E-07	Up-regulated
NM_001297595	SIN3B	23309	38.6866	37.4551	50.2652	51.604	0.42384	1.09E-19	3.18E-18	Up-regulated
NM_001252	CD70	970	82.0039	76.5385	99.622	113.287	0.42362	4.81E-05	0.0003305	Up-regulated
NM_001281775	ZMYND8	23613	3.88346	3.74985	5.18257	5.1139	0.4234	0.0011192	0.0056335	Up-regulated
NM_030939	C6orf62	81688	52.9831	54.3191	71.8639	71.6765	0.42331	1.99E-15	4.39E-14	Up-regulated
NM_020820	PREX1	57580	17.778	18.1049	23.9091	24.1071	0.42327	2.54E-15	5.53E-14	Up-regulated
NM_012223	MYO1B	4430	6.70027	6.1182	8.21787	9.03763	0.42319	0.0003465	0.0019825	Up-regulated
NM_006558	KHDRB3	10656	17.0033	18.1291	23.5964	23.6085	0.42296	8.76E-05	0.0005699	Up-regulated
NM_001136265	IFFO2	126917	8.18172	8.34484	11.1283	11.0221	0.42243	3.61E-07	3.56E-06	Up-regulated
NM_003811	TNFSF9	8744	40.0906	39.9116	54.5708	52.4951	0.42232	4.13E-08	4.56E-07	Up-regulated
NM_001289808	CRYAB	1410	70.1982	63.1114	92.26	86.5453	0.4222	2.11E-05	0.0001559	Up-regulated
NM_002654	PKM	5315	1216.28	1192.1	1625.81	1589.21	0.42181	1.26E-44	9.70E-43	Up-regulated
NM_001193350	MEF2C	4208	7.29038	7.52835	10.062	9.79387	0.42178	6.93E-07	6.58E-06	Up-regulated
NM_032800	C1orf198	84886	11.6493	11.8335	15.7356	15.7307	0.4215	1.60E-06	1.44E-05	Up-regulated
NM_000660	TGFB1	7040	94.4965	95.4647	132.796	121.085	0.4214	8.73E-13	1.53E-11	Up-regulated
NM_152546	SRFBP1	153443	5.48862	6.04376	8.01568	7.61115	0.42087	0.0080982	0.0310106	Up-regulated
NM_005567	LGALS3BP	3959	481.922	495.122	656.507	646.716	0.42069	3.12E-42	2.24E-40	Up-regulated
NM_005198	CHKB	1120	11.7581	12.7161	17.3357	15.7735	0.42032	0.0060337	0.0240729	Up-regulated
NM_002579	PALM	5064	8.60302	8.91199	12.6842	10.9318	0.42029	0.0025611	0.0115168	Up-regulated
NR_135154	CCNL2	81669	12.5952	13.3791	17.4222	17.3199	0.42025	1.53E-08	1.78E-07	Up-regulated
NM_015571	SENP6	26054	3.72756	3.744	4.57461	5.48472	0.41907	0.0028385	0.0125689	Up-regulated
NM_001024736	CD276	80381	155.521	152.31	212.484	197.947	0.41901	6.03E-19	1.65E-17	Up-regulated
NM_001291986	BRD2	6046	11.3785	8.90072	14.0205	13.2651	0.41832	0.0018683	0.0087665	Up-regulated
NM_003311	PHLDA2	7262	451.056	425.539	591.809	575.259	0.4183	8.25E-19	2.24E-17	Up-regulated
NM_030645	SH3BP5L	80851	18.6274	18.1571	26.1645	23.0803	0.41829	1.57E-05	0.0001191	Up-regulated
NM_024295	DERL1	79139	22.1598	22.1638	28.2926	30.9133	0.41828	1.32E-07	1.38E-06	Up-regulated
NM_017452	STAU1	6780	26.0996	23.9446	31.3758	35.4996	0.41732	6.49E-06	5.31E-05	Up-regulated
NM_000487	ARSA	410	10.0745	12.0232	14.1862	15.4586	0.41696	0.0005463	0.0029773	Up-regulated
NM_020960	GPR107	57720	6.99076	6.60175	10.0111	8.22427	0.41679	0.0007852	0.0041353	Up-regulated
NM_207354	ANKRD13D	338692	14.0248	12.8821	17.924	18.1719	0.41678	0.0005044	0.0027711	Up-regulated
NM_003043	SLC6A6	6533	36.3759	36.4957	47.4512	49.5062	0.41579	4.43E-21	1.39E-19	Up-regulated
NM_015255	UBR2	23304	4.45779	4.34761	6.03035	5.73328	0.41534	3.76E-05	0.0002637	Up-regulated
NM_001330420	LUC7L	55692	5.96748	6.7453	8.84454	8.32272	0.41532	0.0108079	0.0395608	Up-regulated
NM_153365	TAPT1	202018	4.53709	4.96685	6.40855	6.34037	0.41372	0.0018757	0.0087968	Up-regulated
NM_015060	AVL9	23080	5.84654	6.01662	7.91154	7.89245	0.41291	3.85E-06	3.26E-05	Up-regulated
NM_001261420	OS9	10956	48.1848	54.0305	71.3076	64.7486	0.41252	1.13E-06	1.04E-05	Up-regulated
NM_178507	OAF	220323	89.9382	90.3139	123.187	116.13	0.41244	1.26E-13	2.38E-12	Up-regulated
NM_003183	ADAMI7	6868	13.8009	14.368	18.8768	18.5992	0.41229	5.46E-08	5.95E-07	Up-regulated
NR_033327	EFHC1	114327	1.89238	1.86328	2.51661	2.53516	0.41219	0.013522	0.0477747	Up-regulated
NM_012429	SEC14L2	23541	4.8233	4.39768	6.31716	6.03842	0.41219	0.0035731	0.0153486	Up-regulated
NM_005229	ELK1	2002	15.8924	12.2495	20.5929	17.2818	0.4116	0.0111074	0.0404941	Up-regulated
NM_001078171	FAM127A	8933	144.917	141.674	197.633	182.592	0.41145	3.57E-11	5.46E-10	Up-regulated
NM_001080412	ZBTB38	253461	7.72677	9.03587	11.1134	11.1994	0.41018	2.38E-05	0.0001739	Up-regulated
NM_004425	ECM1	1893	147.806	149.973	200.286	194.075	0.40996	1.80E-24	6.79E-23	Up-regulated
NM_033113	ZNF628	89887	7.69099	8.93207	11.6387	10.5616	0.40971	0.0018152	0.0085512	Up-regulated
NM_000291	PGK1	5230	427.489	413.327	550.031	562.407	0.40886	4.49E-35	2.53E-33	Up-regulated
NM_005637	SS18	6760	14.326	15.416	19.7332	19.7498	0.40874	4.52E-06	3.80E-05	Up-regulated
NM_014399	TSPAN13	27075	10.5594	10.9901	14.4374	14.3476	0.40867	0.0034286	0.0148046	Up-regulated
NM_014688	USP6NL	9712	3.15495	2.93946	3.88966	4.29123	0.40821	0.0136715	0.0482314	Up-regulated
NM_018310	BRF2	55290	12.9699	11.5505	16.3666	16.3429	0.4082	0.0024983	0.0112848	Up-regulated
NM_017983	WIPI1	55062	62.197	57.4295	77.0979	81.4224	0.4082	1.09E-08	1.29E-07	Up-regulated
NM_001305043	TMEM59	9528	6.67214	6.88058	8.47442	9.51548	0.407	6.23E-05	0.000418	Up-regulated
NM_006618	KDM5B	10765	7.94366	7.56741	10.4067	10.1369	0.40688	4.69E-09	5.79E-08	Up-regulated
NM_006380	APPBP2	10513	5.06579	5.94927	7.36359	7.31362	0.40679	0.000713	0.0037853	Up-regulated
NM_003205	TCF12	6938	10.6404	12.5076	14.5575	16.2348	0.40652	0.0004824	0.0026685	Up-regulated
NM_013451	MYOF	26509	15.3938	15.9713	20.5192	20.9672	0.4062	4.64E-12	7.62E-11	Up-regulated
NM_004148	NINJ1	4814	35.1008	31.2839	43.3447	44.8666	0.40617	0.0002774	0.0016211	Up-regulated
NM_001308191	CPEB4	80315	4.15859	5.66408	6.51385	6.64348	0.40613	0.0098979	0.0366865	Up-regulated
NM_015264	KIAA0930	23313	16.3451	18.374	25.0813	21.0334	0.40575	0.0001601	0.0009866	Up-regulated
NM_201575	SEZ6L2	26470	17.4158	16.8409	24.2	21.2279	0.40565	3.35E-05	0.000238	Up-regulated
NM_000212	ITGB3	3690	134.918	144.453	188.376	180.733	0.40556	5.56E-17	1.34E-15	Up-regulated
NR_015380	A1BG-AS1	503538	7.39588	7.17458	9.71404	9.78578	0.4054	0.0111847	0.0407214	Up-regulated

NM_006134	TMEM50B	757	9.5285	8.12028	12.2292	11.395	0.40535	0.008627	0.0326732	Up-regulated
NM_138396	9-Mar	92979	12.641	14.4033	18.3454	17.5887	0.40512	0.0002858	0.0016623	Up-regulated
NM_030961	TRIM56	81844	9.59661	10.6504	13.6852	13.1697	0.40502	3.26E-05	0.000232	Up-regulated
NM_031212	SLC25A28	81894	16.6225	16.3162	21.2988	22.529	0.40452	0.0016607	0.0079208	Up-regulated
NM_015203	RPRD2	23248	2.86088	2.84352	4.11025	3.50105	0.40386	0.0044004	0.0183295	Up-regulated
NM_001130040	SHC1	6464	71.2486	71.8476	95.2742	93.4618	0.40386	1.70E-23	6.06E-22	Up-regulated
NM_014713	LAPTM4A	9741	183.761	176.652	236.146	239.124	0.40377	1.51E-22	5.08E-21	Up-regulated
NM_016003	WIPI2	26100	4.69476	4.61511	6.14767	6.24048	0.40375	0.0021206	0.00978	Up-regulated
NM_022060	ABHD4	63874	22.2672	22.9491	29.1422	30.6522	0.40339	1.30E-06	1.19E-05	Up-regulated
NM_015061	KDM4C	23081	5.49882	5.41567	7.59607	6.9023	0.40313	0.0013058	0.006461	Up-regulated
NM_001039570	KREMEN1	83999	6.51281	6.50303	8.77282	8.44352	0.40287	1.47E-05	0.0001117	Up-regulated
NM_000027	AGA	175	15.2306	15.3387	19.6342	20.8925	0.40281	0.0003226	0.0018567	Up-regulated
NM_022152	TMBIM1	64114	65.0723	67.2857	94.1323	80.816	0.40266	2.62E-06	2.28E-05	Up-regulated
NM_019006	ZFAND6	54469	9.93272	9.48891	12.1504	13.7698	0.40196	0.0136948	0.0483049	Up-regulated
NM_024715	TXNDC15	79770	13.043	14.1083	17.5925	18.3121	0.40189	1.12E-05	8.75E-05	Up-regulated
NM_001347	DGKQ	1609	10.655	12.0664	14.967	15.097	0.40178	3.61E-05	0.0002539	Up-regulated
NM_002070	GNAI2	2771	215.863	205.204	278.598	275.833	0.40167	5.69E-24	2.07E-22	Up-regulated
NM_139273	CARS	833	13.0797	13.28	15.8321	19.2247	0.40154	0.0034765	0.0149867	Up-regulated
NM_177441	TMUB2	79089	12.0538	15.0451	16.6056	19.5315	0.40066	0.0118833	0.0428161	Up-regulated
NM_017784	OSBPL10	114884	10.9287	10.3123	13.7134	14.3418	0.40031	1.54E-05	0.0001165	Up-regulated
NM_015914	TXNDC11	51061	11.7397	9.68907	13.3715	15.1371	0.40016	0.0051612	0.0210939	Up-regulated
NM_014888	FAM3C	10447	66.1433	68.1476	88.801	87.8909	0.40005	2.63E-16	6.07E-15	Up-regulated
NM_201266	NRP2	8828	4.60766	5.04434	6.82988	5.96019	0.39993	0.0016684	0.0079558	Up-regulated
NM_014889	PITRM1	10531	22.8706	22.4525	30.7863	28.9491	0.39989	2.87E-08	3.22E-07	Up-regulated
NM_005072	SLC12A4	6560	6.89185	8.07413	10.472	9.37807	0.3992	0.002216	0.0101475	Up-regulated
NM_018067	MAP7D1	55700	25.7009	30.3388	38.5712	35.4492	0.39902	7.45E-05	0.0004922	Up-regulated
NM_001193417	DDX3X	1654	24.0954	23.4137	32.6146	29.9344	0.39891	1.25E-08	1.47E-07	Up-regulated
NM_018045	BSDC1	55108	22.6945	24.8	31.4383	31.0933	0.3986	2.35E-07	2.37E-06	Up-regulated
NM_004943	DMWD	1762	27.1899	25.297	36.3857	32.7713	0.39819	3.23E-06	2.77E-05	Up-regulated
NM_015292	ESYT1	23344	76.8631	81.9522	107.198	101.547	0.39781	8.42E-14	1.63E-12	Up-regulated
NM_001278216	CDK5RAP3	80279	18.3337	25.6911	28.2389	30.3516	0.39726	0.0118092	0.0425651	Up-regulated
NM_014302	SEC61G	23480	337.986	291.908	415.515	411.711	0.39698	7.98E-05	0.0005242	Up-regulated
NM_002332	LRP1	4035	19.0433	21.3032	27.5421	25.519	0.39665	2.46E-08	2.79E-07	Up-regulated
NM_178815	ARL5B	221079	5.41887	5.79328	7.65103	7.22582	0.39641	0.0047226	0.0194935	Up-regulated
NM_004292	RINI	9610	9.86977	10.0764	13.4227	12.9279	0.3963	0.0008572	0.00447	Up-regulated
NM_004486	GOLGA2	2801	24.8002	24.5096	33.6751	31.111	0.39604	6.73E-09	8.18E-08	Up-regulated
NM_001145667	GLG1	2734	22.1601	23.7916	30.6706	29.6686	0.39597	9.08E-13	1.59E-11	Up-regulated
NM_018426	TMEM63B	55362	28.81	30.2247	40.0059	37.5382	0.3957	1.85E-08	2.13E-07	Up-regulated
NM_001136157	OTUD5	55593	19.8045	21.1216	30.5633	23.6047	0.39511	0.0042301	0.0177261	Up-regulated
NM_033396	TNKS1BP1	85456	13.8251	14.4007	19.1659	17.9049	0.39487	8.31E-08	8.85E-07	Up-regulated
NM_001243332	SEZ6L2	26470	22.628	22.5347	31.9576	27.4541	0.39383	3.69E-05	0.0002589	Up-regulated
NM_016021	UBE2J1	51465	12.5121	11.48	15.1985	16.3467	0.39379	3.28E-05	0.0002337	Up-regulated
NM_080840	PTPRA	5786	22.4867	24.2187	31.7386	29.592	0.39365	1.34E-06	1.22E-05	Up-regulated
NM_004429	EFNB1	1947	7.28108	6.74389	10.0614	8.52995	0.39346	0.0086214	0.0326584	Up-regulated
NM_006187	OAS3	4940	21.287	20.2461	27.1746	27.2384	0.39296	3.30E-13	6.04E-12	Up-regulated
NM_005763	AASS	10157	5.46232	5.96918	7.33667	7.7014	0.39245	0.0003658	0.0020801	Up-regulated
NM_015015	KDM4B	23030	11.995	11.4284	16.0302	14.6994	0.39224	3.24E-06	2.78E-05	Up-regulated
NM_004261	SELENOF	9403	92.2344	87.5455	117.112	118.201	0.39224	5.75E-13	1.03E-11	Up-regulated
NM_012257	HBP1	26959	27.4408	20.4101	31.6828	31.5385	0.39188	0.0055929	0.0225941	Up-regulated
NM_032595	PPP1R9B	84687	46.6119	48.5348	63.9973	60.5352	0.39168	8.60E-13	1.51E-11	Up-regulated
NM_001098534	BAG6	7917	25.267	29.2679	34.8696	36.7015	0.39164	1.73E-05	0.0001295	Up-regulated
NM_177968	PPM1B	5495	5.6088	5.99879	7.93138	7.39777	0.39157	0.0033441	0.0144792	Up-regulated
NM_020825	CRAMP1	57585	4.2353	4.54609	5.81904	5.72326	0.39155	0.0001879	0.0011374	Up-regulated
NM_000314	PTEN	5728	5.43162	5.59553	6.80299	7.68541	0.3914	0.0001055	0.0006768	Up-regulated
NM_002292	LAMB2	3913	56.8779	59.2035	77.3098	74.53	0.39136	4.93E-19	1.36E-17	Up-regulated
NM_012308	KDM2A	22992	4.08798	3.98143	5.36793	5.22686	0.39119	0.0002836	0.001651	Up-regulated
NM_001308068	FLYWCH1	84256	12.579	13.4148	16.6585	17.4252	0.39115	9.64E-07	8.96E-06	Up-regulated
NM_00114394	ase D4, non-c	167153	7.23036	7.15526	9.80904	9.14841	0.39055	0.0015386	0.0074255	Up-regulated
NM_006285	TESK1	7016	9.81728	8.79946	12.7564	11.8083	0.39052	0.0052469	0.0213984	Up-regulated
NM_012328	member B9(C	4189	16.2985	14.4177	19.5868	20.8005	0.39052	0.0005915	0.0031994	Up-regulated
NM_006270	ogene homol	6237	55.8468	56.9182	74.945	72.6959	0.39044	1.81E-05	0.0001355	Up-regulated
NM_001040456	RHBDD2	57414	35.2559	35.0586	47.3835	44.6665	0.38963	2.27E-06	1.99E-05	Up-regulated
NR_027064	TINCR	257000	7.50983	7.29567	9.53556	9.90658	0.389	0.0007387	0.0039153	Up-regulated
NM_015226	CLEC16A	23274	6.31325	6.12857	8.36152	7.9446	0.38898	2.23E-05	0.0001635	Up-regulated
NM_152637	METTL7B	196410	18.439	20.1313	26.9492	23.7974	0.3889	0.0046498	0.0192385	Up-regulated
NM_014705	DOCK4	9732	3.46869	3.34464	4.44613	4.50255	0.38889	0.0004085	0.0022993	Up-regulated
NM_183006	DLGAP4	22839	30.4541	29.1987	40.7763	37.2293	0.38881	8.21E-08	8.76E-07	Up-regulated
NM_001100878	MROH6	642475	5.67412	5.70186	6.97292	8.06999	0.38861	0.0132856	0.0470438	Up-regulated
NM_004039	ANXA2	302	455.551	433.651	573.006	586.458	0.38803	6.57E-23	2.26E-21	Up-regulated
NM_022370	ROBO3	64221	5.17832	5.61187	7.32271	6.8579	0.38712	0.0025932	0.0116391	Up-regulated
NM_016306	member B11(C	51726	115.222	115.283	148.744	151.733	0.38693	6.24E-17	1.50E-15	Up-regulated
NM_033018	CDK16	5127	9.27148	8.85149	12.809	10.9856	0.38674	0.003527	0.0151782	Up-regulated
NM_201566	SLC16A13	201232	13.9743	15.6214	20.1379	18.8012	0.38662	0.004881	0.0200609	Up-regulated
NM_015050	CMTR1	23070	17.589	18.2442	24.4758	22.3321	0.38592	2.62E-06	2.28E-05	Up-regulated
NM_007247	SYNRG	11276	3.36376	2.92036	3.8884	4.37871	0.38557	0.006122	0.024354	Up-regulated
NM_032270	LRRC8C	84230	5.84804	5.69214	7.35838	7.73052	0.38512	3.20E-05	0.0002277	Up-regulated
NM_181864	ACOT7	11332	149.754	131.97	179.956	187.291	0.38498	1.24E-07	1.30E-06	Up-regulated
NM_015599	PGM3	5238	4.01667	3.41769	4.79721	4.96663	0.38407	0.0073445	0.0285341	Up-regulated
NM_014603	CDR2L	30850	14.0214	13.4857	18.261	17.6572	0.38404	1.03E-05	8.07E-05	Up-regulated
NR_123722	CDIP6-NPIPI	1.1E+08	7.38589	6.95026	8.78349	10.0648	0.384	0.0103879	0.038243	Up-regulated
NM_022763	FNDC3B	64778	12.3253	10.4779	15.7815	14.035	0.38356	0.0003826	0.0021653	Up-regulated
NM_198941	SERINC3	10955	22.8034	28.4091	33.1034	34.0502	0.3833	0.004167	0.0174883	Up-regulated
NM_015270	ADCY6	112	14.9512	15.5643	19.7304	19.9949	0.38321	9.12E-10	1.21E-08	Up-regulated
NM_001113496	9-Sep	10801	13.5142	11.7602	17.9279	15.2046	0.38318	0.0040569	0.0171154	Up-regulated



NM_001288	CLIC1	1192	415.072	398.132	532.776	523.624	0.38298	3.31E-23	1.16E-21	Up-regulated
NM_020376	PNPLA2	57104	63.5532	66.5176	85.157	84.0123	0.38286	6.99E-13	1.24E-11	Up-regulated
NM_017721	CC2D1A	54862	29.7265	30.1704	39.9215	38.0195	0.38286	4.11E-10	5.70E-09	Up-regulated
NM_001330740	RUSC2	9853	6.74704	6.65206	8.38653	9.16736	0.38265	0.0040432	0.0170768	Up-regulated
NM_032717	GPAT3	84803	8.5343	10.4498	12.9002	12.067	0.38205	0.0121637	0.0437112	Up-regulated
NM_003651	YBX3	8531	77.94	73.6316	100.649	96.3869	0.38176	1.89E-10	2.74E-09	Up-regulated
NM_174858	AK5	26289	9.50668	9.41674	12.5216	12.173	0.38141	0.0003791	0.002146	Up-regulated
NM_002510	GPNMB	10457	261.037	259.626	335.009	340.636	0.38101	4.07E-39	2.62E-37	Up-regulated
NM_001253845	ADM2	79924	6.01237	6.22203	7.83666	8.14963	0.38094	0.0019078	0.0089254	Up-regulated
NR_144568	NR_144568	NA	3.63506	4.58531	5.00885	5.79432	0.38053	0.0135249	0.0477759	Up-regulated
NM_000476	AK1	203	21.3302	20.0432	27.5397	26.2809	0.37998	5.89E-05	0.0003969	Up-regulated
NM_203304	MEX3D	399664	17.3226	19.8298	24.6948	23.7354	0.37992	0.0002358	0.0013961	Up-regulated
NM_016211	SEC31A	22872	12.6002	15.899	18.972	18.2859	0.37974	0.0025198	0.0113578	Up-regulated
NM_182919	TICAM1	148022	12.5762	11.4089	15.9077	15.3533	0.37898	0.0009617	0.0049368	Up-regulated
NM_017636	TRPM4	54795	10.2667	9.7509	14.3116	11.8439	0.37874	0.0029697	0.0130504	Up-regulated
NM_173079	RUNDC1	146923	8.19536	8.18271	11.4457	9.93961	0.37866	0.0024	0.0108899	Up-regulated
NM_002586	PBX2	5089	27.5597	29.4475	37.0955	36.8995	0.37852	3.19E-08	3.56E-07	Up-regulated
NM_001029896	WDR45	11152	45.685	46.7935	61.1173	58.8963	0.37823	3.14E-07	3.11E-06	Up-regulated
NM_001195605	ZNF865	1E+08	8.745	8.92974	12.4168	10.6191	0.37804	0.0009473	0.0048785	Up-regulated
NM_001130991	HYOU1	10525	43.7061	43.0197	58.6204	53.8269	0.37783	2.72E-10	3.87E-09	Up-regulated
NM_004954	MARK2	2011	5.20369	4.91779	7.09125	6.15451	0.37781	0.0080965	0.0310106	Up-regulated
NM_015329	MAU2	23383	12.1112	13.4043	16.6729	16.4817	0.37776	1.30E-05	9.99E-05	Up-regulated
NM_002397	MEF2C	4208	8.99771	8.08823	11.0237	11.1771	0.37743	2.86E-05	0.0002056	Up-regulated
NM_020728	ESYT2	57488	16.9114	17.5132	22.3357	22.2913	0.37735	1.93E-10	2.78E-09	Up-regulated
NM_181453	GCC2	9648	5.39333	5.53446	7.18673	7.02463	0.37724	7.11E-05	0.0004722	Up-regulated
NM_002633	PGM1	5236	59.3917	56.79	74.5263	75.9814	0.37712	6.40E-12	1.04E-10	Up-regulated
NM_019050	USP53	54532	12.5929	13.2608	16.2361	17.2934	0.37706	2.11E-07	2.14E-06	Up-regulated
NM_153252	BRWD3	254065	2.04523	2.35897	2.76481	2.98608	0.37697	0.0041212	0.0173447	Up-regulated
NM_152600	ZNF579	163033	37.8922	37.1295	49.9754	47.2717	0.3769	1.69E-07	1.74E-06	Up-regulated
NM_014909	VASH1	22846	6.96296	7.33484	9.73843	8.85801	0.37686	0.0002042	0.0012275	Up-regulated
NM_012129	CLDN12	9069	15.3709	18.4494	20.9809	23.0654	0.37677	0.0013335	0.0065802	Up-regulated
NM_001322250	MSI2	124540	10.9717	11.9051	14.4665	15.2253	0.37676	3.02E-06	2.60E-05	Up-regulated
NM_022075	CERS2	29956	82.8394	81.5523	109.214	103.526	0.37605	1.35E-13	2.56E-12	Up-regulated
NM_001194	HCN2	610	19.7967	20.3148	26.0919	25.8746	0.376	1.67E-07	1.73E-06	Up-regulated
NM_138455	CTHRC1	115908	67.1417	68.5663	87.8444	87.8542	0.37595	4.77E-08	5.24E-07	Up-regulated
NM_001042442	CAST	831	7.70262	9.76792	11.327	11.491	0.37582	0.0067857	0.026634	Up-regulated
NM_001129995	KCTD15	79047	14.4402	13.3188	16.0851	20.0922	0.37523	0.003994	0.0169135	Up-regulated
NM_000836	GRIN2D	2906	11.0941	11.9181	15.5407	14.3166	0.37512	3.59E-05	0.0002526	Up-regulated
NM_001853	COL9A3	1299	281.133	290.384	380.29	358.625	0.37505	1.60E-17	3.99E-16	Up-regulated
NM_004860	FXR2	9513	67.6949	68.3373	87.1186	88.7522	0.37491	1.82E-17	4.54E-16	Up-regulated
NM_016354	SLCO4A1	28231	16.6216	16.0929	21.3203	21.1085	0.37484	2.81E-05	0.0002023	Up-regulated
NM_006116	binding prote	10454	16.7965	16.9581	22.23	21.4681	0.37418	4.54E-06	3.82E-05	Up-regulated
NM_003972	BTA1F1	9044	6.36798	7.45338	8.86364	9.08931	0.3741	0.0005863	0.0031743	Up-regulated
NM_019052	CCHCR1	54535	12.6488	12.3912	17.2883	15.2856	0.37402	0.0018751	0.0087966	Up-regulated
NM_022818	MAP1LC3B	81631	66.678	62.1257	82.8489	83.662	0.37377	3.02E-10	4.26E-09	Up-regulated
NM_001077415	CRELD1	78987	22.5228	20.359	28.9863	26.6939	0.37372	0.0004176	0.0023454	Up-regulated
NM_001924	GADD45A	1647	61.7936	60.9051	80.7806	77.8475	0.37356	1.30E-07	1.35E-06	Up-regulated
NM_199072	MDFIC	29969	15.4282	15.6245	19.6308	20.5344	0.37343	2.53E-08	2.86E-07	Up-regulated
NM_004945	DNM2	1785	13.5887	12.7141	15.3362	18.8857	0.37323	0.0038163	0.016262	Up-regulated
NM_014666	CLINT1	9685	12.0587	12.1169	16.7335	14.6324	0.37303	0.0003841	0.0021726	Up-regulated
NM_001101662	NRDC	4898	47.6418	46.6037	59.1133	62.6066	0.37269	2.81E-12	4.68E-11	Up-regulated
NM_016357	LIMA1	51474	7.66239	7.43069	9.82206	9.7505	0.3724	0.0009976	0.005102	Up-regulated
NM_001166271	SPATA13	221178	6.50896	8.04396	9.26469	9.63917	0.37227	0.0017574	0.0083278	Up-regulated
NM_001040125	PQLC2	54896	17.8585	20.2571	26.1307	23.3718	0.37224	0.0018804	0.0088083	Up-regulated
NM_006696	BRD8	10902	10.9791	10.7853	14.6146	13.5928	0.37205	0.0004666	0.0025919	Up-regulated
NM_003660	PPF1A3	8541	14.0033	14.4075	18.6384	18.0812	0.37171	3.67E-07	3.62E-06	Up-regulated
NM_005981	TSPAN31	6302	18.8001	20.9125	25.8915	25.6441	0.37169	0.0013815	0.0067946	Up-regulated
NM_025158	RUFY1	80230	9.68702	9.34212	12.0232	12.6828	0.37067	0.0030916	0.0135052	Up-regulated
NM_014584	ERO1A	30001	22.5002	24.0252	29.3042	30.7438	0.37067	7.38E-09	8.91E-08	Up-regulated
NM_130443	DPP3	10072	10.522	10.6493	13.4572	13.928	0.36999	0.0004997	0.00275	Up-regulated
NM_030791	SGPP1	81537	5.73522	6.03757	7.36669	7.95596	0.36946	0.0098896	0.0366629	Up-regulated
NM_182965	SPHK1	8877	24.6768	23.5145	30.7646	31.4419	0.36945	1.89E-05	0.0001406	Up-regulated
NM_001042610	DBNDD1	79007	69.314	70.8512	90.4972	89.9854	0.36895	4.36E-13	7.89E-12	Up-regulated
NM_005994	TBX2	6909	19.9565	20.1454	25.6583	26.0409	0.3688	2.64E-07	2.64E-06	Up-regulated
NM_018638	ETNK1	55500	31.6853	33.7418	41.3375	42.9383	0.36874	3.52E-12	5.82E-11	Up-regulated
NM_002668	PLP2	5355	222.15	213.852	285.614	275.313	0.36869	5.27E-13	9.48E-12	Up-regulated
NM_0022749	FAM160B2	64760	11.6427	13.0812	16.2536	15.709	0.36856	0.0003187	0.0018369	Up-regulated
NM_031412	GABARAPL1	23710	59.0596	54.9418	72.5486	74.3549	0.36845	6.40E-08	6.91E-07	Up-regulated
NM_153607	CREBRF	153222	3.2925	3.5694	4.45193	4.44507	0.36818	0.0019684	0.0091709	Up-regulated
NM_001319661	TMEM263	90488	15.2497	14.238	18.0776	20.0328	0.368	0.0002689	0.0015738	Up-regulated
NM_014365	member 8(H	26353	54.7602	51.7716	64.4502	72.7846	0.36637	1.64E-05	0.0001234	Up-regulated
NM_004890	SPAG7	9552	84.1435	79.1334	104.475	105.631	0.36629	2.18E-06	1.93E-05	Up-regulated
NM_017684	VPS13C	54832	4.1089	4.56345	5.64037	5.54458	0.36627	3.93E-05	0.0002747	Up-regulated
NM_001320034	GRAMD1A	57655	34.2443	33.9548	43.9942	43.7146	0.36597	5.13E-09	6.31E-08	Up-regulated
NM_017455	NPTN	27020	69.4137	66.6435	84.5571	90.3897	0.36568	6.00E-09	7.32E-08	Up-regulated
NM_003443	ZBTB17	7709	12.8924	12.7883	17.0992	16.0317	0.36523	0.0005682	0.0030861	Up-regulated
NM_016121	KCTD3	51133	17.3115	18.2852	22.1676	23.63	0.36507	4.54E-06	3.82E-05	Up-regulated
NM_001303620	DNASE1L1	1774	7.26341	7.02324	9.65136	8.88479	0.36495	0.0140547	0.0493647	Up-regulated
NM_001080419	UNK	85451	14.6415	15.061	18.9247	19.2837	0.36471	3.55E-06	3.03E-05	Up-regulated
NM_000512	)-6-sulfatase(	2588	21.4577	20.3715	27.2247	26.5928	0.36439	4.37E-05	0.000302	Up-regulated
NM_014997	KLHDC10	23008	8.87311	9.21433	11.4683	11.8004	0.36438	3.24E-06	2.78E-05	Up-regulated
NM_001004431	METRNL	284207	21.2098	21.2056	26.7699	27.8902	0.36434	0.0009074	0.0046998	Up-regulated
NM_015669	PCDHB5	26167	15.0169	14.0313	18.1071	19.3224	0.3642	0.0002998	0.0017368	Up-regulated
NM_181887	UBE2D3	7323	6.589	6.42279	8.68659	8.12739	0.36413	0.0030453	0.0133332	Up-regulated

NM_019107	MYDGF	56005	189.914	189.553	244.743	241.729	0.36397	3.26E-14	6.54E-13	Up-regulated
NM_012255	XRN2	22803	20.2449	19.3472	25.9044	24.9729	0.36336	1.38E-06	1.26E-05	Up-regulated
NM_014991	WDFY3	23001	2.35372	2.43899	3.07135	3.10287	0.36326	0.0002663	0.0015599	Up-regulated
NM_018445	SELENOS	55829	78.0489	77.8965	102.953	97.1567	0.3632	1.89E-07	1.94E-06	Up-regulated
NM_139062	CSNK1D	1453	32.7673	33.6841	43.5484	41.7297	0.36313	4.27E-10	5.89E-09	Up-regulated
NM_002270	TNPO1	3842	11.3537	13.4743	16.8552	15.1269	0.36281	0.0005332	0.0029125	Up-regulated
NM_018368	LMBRD1	55788	19.2825	16.6995	22.9566	23.4002	0.36248	0.0013861	0.0068118	Up-regulated
NM_014345	ZNF318	24149	5.34381	5.6948	7.27488	6.92362	0.36247	0.0001216	0.0007698	Up-regulated
NM_022365	member C1(I	64215	14.0797	13.2544	17.838	17.3788	0.3619	0.0024657	0.0111614	Up-regulated
NM_004519	KCNQ3	3786	1.90078	2.05717	2.52466	2.5887	0.36127	0.0053312	0.0217008	Up-regulated
NM_001172	ARG2	384	14.0453	13.1847	18.0563	17.0003	0.36073	0.0043744	0.0182372	Up-regulated
NM_021005	NR2F2	7026	6.17406	6.76252	8.39663	8.24382	0.36028	0.0010935	0.0055214	Up-regulated
NM_001318734	KLC2	64837	20.3955	17.3964	25.1718	23.4341	0.36022	0.0011004	0.0055534	Up-regulated
NM_002319	LRCH4	4034	22.2157	24.0615	29.3681	29.9571	0.35974	3.57E-06	3.04E-05	Up-regulated
NR_104023	ARFGAP1	55738	33.165	37.7314	43.2543	47.7115	0.35946	8.93E-05	0.0005802	Up-regulated
NM_004838	HOMER3	9454	78.8465	81.0178	103.973	100.537	0.3594	1.28E-09	1.67E-08	Up-regulated
NM_018000	MREG	55686	27.4366	27.0529	33.2798	36.5052	0.35873	2.88E-06	2.49E-05	Up-regulated
NM_002231	CD82	3732	23.395	24.1546	32.234	28.8607	0.35856	0.0013934	0.0068404	Up-regulated
NM_001320214	SRSF5	6430	67.9782	61.6322	80.1901	85.7752	0.35849	1.26E-05	9.72E-05	Up-regulated
NM_001111067	ACVR1	90	10.161	9.62272	12.306	13.1272	0.35829	0.0028356	0.012565	Up-regulated
NM_183001	SHC1	6464	35.974	33.1945	47.9653	40.6843	0.35677	0.0002523	0.0014857	Up-regulated
NM_015132	SNX13	23161	3.5528	3.2087	4.19904	4.50837	0.35651	0.0102638	0.0378958	Up-regulated
NM_001080495	TNRC18	84629	19.4319	20.5131	27.0518	24.0234	0.35632	1.06E-06	9.80E-06	Up-regulated
NM_001270733	BCL2L13	23786	8.92491	9.20972	10.7054	12.5825	0.35628	0.0031215	0.0136013	Up-regulated
NM_020663	RHOJ	57381	11.1006	10.9453	13.6789	14.5262	0.35589	0.0002806	0.0016366	Up-regulated
NM_013318	PRRC2B	84726	16.0471	16.7415	21.2571	20.5958	0.35584	2.71E-12	4.53E-11	Up-regulated
NM_005899	NBR1	4077	29.2859	28.1829	37.1658	36.1968	0.35578	4.56E-11	6.92E-10	Up-regulated
NM_007059	KPTN	11133	12.8422	11.8507	15.7118	16.0659	0.35574	0.0139307	0.0489828	Up-regulated
NM_015404	WHRN	25861	8.17596	8.17903	10.6322	10.3044	0.35572	0.0006342	0.0034078	Up-regulated
NM_138400	NOM1	64434	4.428	5.1476	6.28057	6.01441	0.35509	0.0062896	0.0249327	Up-regulated
NM_002035	KDSR	2531	13.5466	13.1198	17.1533	16.9045	0.355	5.67E-07	5.44E-06	Up-regulated
NM_015284	mouse)(SZT2	23334	3.7186	4.37814	5.46238	4.92242	0.35491	0.0020238	0.0094018	Up-regulated
NM_001431	EPB41L2	2037	14.7932	14.0861	17.9982	18.8748	0.3545	6.13E-06	5.04E-05	Up-regulated
NM_001199839	BCL2L2	599	10.2807	10.8174	14.0069	12.9955	0.35433	0.0008002	0.0041947	Up-regulated
NM_003826	NAPG	8774	6.51584	6.65278	8.34338	8.56652	0.35425	0.0039166	0.0166189	Up-regulated
NM_015946	osophila)(PEI	53918	20.5165	20.6587	26.3516	26.1977	0.35383	3.82E-06	3.24E-05	Up-regulated
NM_006164	NFE2L2	4780	23.5489	23.7526	29.5517	30.8015	0.3537	2.20E-06	1.94E-05	Up-regulated
NM_024038	C19orf43	79002	297.112	277.733	355.466	376.58	0.3537	2.69E-09	3.40E-08	Up-regulated
NM_022572	PNKD	25953	10.3188	10.0307	13.2159	12.837	0.35365	0.0014591	0.0071003	Up-regulated
NM_015000	STK38L	23012	6.70473	6.80757	8.22019	9.08406	0.35301	0.0014555	0.0070906	Up-regulated
NM_001958	EEF1A2	1917	63.6779	61.448	81.4664	77.9376	0.35296	5.50E-09	6.75E-08	Up-regulated
NM_006026	HIFX	8971	109.32	108.604	138.065	139.285	0.3525	1.62E-12	2.78E-11	Up-regulated
NM_022481	ARAP3	64411	13.9396	14.4987	18.7832	17.4777	0.35217	5.26E-06	4.37E-05	Up-regulated
NM_002869	RAB6A	5870	22.996	24.0781	31.2499	28.7702	0.35185	9.17E-06	7.28E-05	Up-regulated
NM_012090	MACF1	23499	17.096	17.4858	22.1764	21.8156	0.35147	3.35E-20	1.01E-18	Up-regulated
NM_0033103	RHPN2	85415	10.6428	10.3847	12.9857	13.8371	0.35054	0.000623	0.0033532	Up-regulated
NM_000365	TPII	7167	425.989	415.536	541.597	527.068	0.35024	8.80E-23	3.00E-21	Up-regulated
NM_020137	GRIPAP1	56850	15.6448	16.6546	21.3414	19.8638	0.35022	0.0002578	0.0015149	Up-regulated
NM_001042678	RHOC	389	136.931	131.875	166.524	175.052	0.34996	7.77E-10	1.04E-08	Up-regulated
NM_001204301	APP	351	12.4116	10.3446	15.5706	13.584	0.3499	0.0104021	0.038266	Up-regulated
NM_001199456	BRD2	6046	18.2781	16.9501	21.127	23.8221	0.34981	0.0005782	0.0031349	Up-regulated
NM_199054	MKNK2	2872	20.545	20.426	25.5397	26.5789	0.34941	3.96E-07	3.88E-06	Up-regulated
NM_002196	rotein coding	283120	37.7415	35.8036	47.2125	46.2886	0.34911	4.29E-07	4.19E-06	Up-regulated
NM_004204	PIGQ	9091	16.107	19.5275	22.7679	22.7372	0.3487	0.0031366	0.0136517	Up-regulated
NM_144607	CYB5D1	124637	4.98816	5.08483	6.46762	6.42115	0.34817	0.0129753	0.046116	Up-regulated
NM_005354	JUND	3727	106.516	102.87	132.795	132.877	0.34791	6.99E-14	1.35E-12	Up-regulated
NM_001408	CELSR2	1952	6.02583	6.67041	8.13647	8.01587	0.34781	3.58E-05	0.0002524	Up-regulated
NM_020235	BBX	56987	6.31153	5.18246	7.36236	7.30168	0.34754	0.0029967	0.0131505	Up-regulated
NM_005542	INSIG1	3638	40.5651	38.6039	49.7446	50.7459	0.34736	4.97E-09	6.12E-08	Up-regulated
NM_001348	DAPK3	1613	36.6273	36.2161	48.0303	44.4993	0.34726	3.51E-06	3.00E-05	Up-regulated
NM_002593	PCOLCE	5118	28.4253	30.9643	39.1793	36.4527	0.34723	0.0008	0.0041947	Up-regulated
NM_003789	TRADD	8717	20.5024	21.2686	27.936	25.416	0.34717	0.0053875	0.0219018	Up-regulated
NM_013390	TMEM2	23670	21.9517	25.6143	29.1052	31.4086	0.34709	0.0001058	0.0006778	Up-regulated
NM_004381	ATF6B	1388	30.8886	34.3667	42.3062	40.6052	0.3468	2.97E-05	0.0002127	Up-regulated
NM_025147	COQ10B	80219	16.4365	15.7941	20.6022	20.4073	0.34615	0.0008178	0.0042801	Up-regulated
NM_138774	R3HDM4	91300	44.1483	40.3122	55.418	51.8712	0.34599	6.29E-05	0.000422	Up-regulated
NM_024050	DDA1	79016	44.3593	42.7353	56.1941	54.1426	0.34512	1.78E-11	2.79E-10	Up-regulated
NM_005688	ABCC5	10057	22.6705	24.3394	29.7212	29.87	0.34497	9.67E-09	1.15E-07	Up-regulated
NM_015335	MED13L	23389	3.96932	4.49097	5.30978	5.4519	0.34492	0.0013822	0.0067959	Up-regulated
NM_018688	BIN3	55909	38.1458	38.341	50.2288	46.811	0.34483	1.63E-05	0.0001232	Up-regulated
NM_0024735	FBXO31	79791	10.9139	11.5031	14.4582	13.9717	0.34478	6.08E-06	5.01E-05	Up-regulated
NM_033083	EAF1	85403	8.20395	8.82212	10.7252	10.8978	0.34421	0.0006602	0.0035307	Up-regulated
NM_003250	PML	5371	14.6728	13.969	18.7989	17.5889	0.34398	0.0005843	0.0031644	Up-regulated
NM_006986	MAGED1	9500	113.5	120.304	148.115	147.73	0.34396	6.04E-14	1.18E-12	Up-regulated
NM_015219	EXOC7	23265	22.9413	22.9465	29.0769	29.0297	0.34394	9.62E-10	1.28E-08	Up-regulated
NM_016118	NUB1	51667	11.5224	10.8653	13.6525	14.794	0.34357	0.0019262	0.0090008	Up-regulated
NM_001100590	KIAA0232	9778	3.59299	3.47223	4.5603	4.42754	0.34337	0.0025481	0.0114664	Up-regulated
NM_005474	HDAC5	10014	14.3952	15.5429	17.8313	20.165	0.34334	0.0002141	0.0012814	Up-regulated
NM_022356	P3H1	64175	50.739	53.9442	66.0222	66.4551	0.34321	4.42E-09	5.48E-08	Up-regulated
NM_015104	ATG2A	23130	11.967	13.0346	16.5732	15.1407	0.34306	7.40E-05	0.0004895	Up-regulated
NM_014567	BCAR1	9564	13.4254	13.3873	17.7976	16.231	0.34292	0.0006257	0.0033669	Up-regulated
NM_014855	AP5Z1	9907	12.7614	11.8588	15.7158	15.4666	0.34236	9.27E-06	7.35E-05	Up-regulated
NM_005749	TOB1	10140	14.4629	15.9798	19.1429	19.5712	0.34229	0.0028754	0.0127073	Up-regulated
NM_005883	APC2	10297	3.52434	4.18428	5.30191	4.52489	0.34227	0.0134818	0.04765	Up-regulated

NM_001124	ADM	133	33.3197	36.7544	43.2199	45.6185	0.34222	0.0004848	0.0026793	Up-regulated
NM_001014839	NCDN	23154	23.903	24.7472	30.8864	30.6446	0.34187	2.63E-07	2.64E-06	Up-regulated
NM_018180	titative)(DHX	55760	7.87506	7.44579	9.80232	9.72227	0.34174	0.0076349	0.0295065	Up-regulated
NM_002709	PPP1CB	5500	26.2984	21.9782	30.71	30.4396	0.34065	0.0003058	0.0017695	Up-regulated
NM_001145056	SLC44A2	57153	32.2776	31.8278	41.8019	39.2095	0.3404	1.51E-07	1.57E-06	Up-regulated
NM_001199417	ARHGAP23	57636	9.80941	10.9357	13.947	12.3575	0.34021	0.0011555	0.0057964	Up-regulated
NM_001256405	KDM2A	22992	6.56046	6.81942	8.42955	8.52809	0.33999	0.0006503	0.0034834	Up-regulated
NM_0011659	ARF3	377	113.382	112.675	143.553	141.584	0.33992	5.21E-24	1.91E-22	Up-regulated
NM_001302632	CAPNS1	826	153.849	162.051	205.291	193.277	0.33964	2.57E-09	3.26E-08	Up-regulated
NM_182557	BCL9L	283149	20.6372	23.4787	29.4205	26.3606	0.33896	0.0001175	0.0007459	Up-regulated
NM_000597	IGFBP2	3485	44.2526	51.8468	61.6681	59.9729	0.33888	0.0012108	0.0060389	Up-regulated
NM_014798	PLEKHM1	9842	6.42199	6.38257	8.85061	7.41893	0.33883	0.0089904	0.0338283	Up-regulated
NM_004318	ASPH	444	12.8188	12.6314	15.6951	16.4428	0.33882	4.18E-06	3.53E-05	Up-regulated
NM_003663	CGGBP1	8545	53.0517	51.3779	64.2849	67.3946	0.33853	2.50E-12	4.20E-11	Up-regulated
NM_014983	HMGXB3	22993	24.6083	25.0954	31.3162	31.3598	0.33853	5.71E-11	8.60E-10	Up-regulated
NM_001257181	SLC20A2	6575	10.2172	8.95708	12.2137	12.0854	0.33809	0.0037125	0.0158762	Up-regulated
NM_032287	LDQC1L	84247	8.15352	7.8899	10.5097	9.77659	0.33802	0.0004761	0.0026368	Up-regulated
NM_019004	ANKIB1	54467	10.1867	10.9482	13.4959	13.1882	0.33741	2.42E-05	0.0001768	Up-regulated
NM_005686	SOX13	9580	35.7628	36.4946	46.2978	44.7532	0.33727	1.68E-10	2.44E-09	Up-regulated
NM_001198916	PPFIBP1	8496	66.7932	70.6424	88.2753	84.8475	0.33697	7.63E-13	1.35E-11	Up-regulated
NM_001270520	DAAM1	23002	4.52808	4.55213	5.48816	6.01211	0.33692	0.0058268	0.0233402	Up-regulated
NM_006010	MANF	7873	242.717	232.421	300.791	296.79	0.33633	2.05E-11	3.19E-10	Up-regulated
NM_181336	LEMD2	221496	40.4674	41.3022	53.9594	49.0754	0.33606	2.61E-06	2.27E-05	Up-regulated
NM_004672	MAP3K6	9064	11.8048	11.3083	15.6753	13.5508	0.33579	0.0019506	0.0091015	Up-regulated
NM_006949	STXBP2	6813	62.4939	55.2232	74.7791	73.6069	0.33569	2.94E-05	0.0002108	Up-regulated
NM_001493	GDII	2664	56.4605	56.0443	70.9918	70.5701	0.3356	8.00E-11	1.19E-09	Up-regulated
NM_020412	CHMP1B	57132	26.1356	24.0308	30.5923	32.6189	0.33518	4.84E-05	0.000332	Up-regulated
NM_020755	SERINC1	57515	59.2205	61.4356	74.6488	77.1354	0.33499	2.01E-11	3.14E-10	Up-regulated
NM_024580	EFLI	79631	10.6537	9.42825	12.438	12.9453	0.33453	0.0030507	0.0133478	Up-regulated
NM_004888	ATP6V1G1	9550	102.637	97.1311	124.687	126.452	0.33442	2.39E-09	3.03E-08	Up-regulated
NM_152988	SPPL2B	56928	8.20152	8.36912	10.4174	10.5018	0.33435	0.0019447	0.0090783	Up-regulated
NM_001146688	KDM3A	55818	6.82915	6.54144	8.25313	8.6447	0.33412	0.002478	0.0112039	Up-regulated
NM_020928	ZSWIM6	57688	5.43331	6.14285	7.62275	7.00796	0.33325	0.0074543	0.0289022	Up-regulated
NM_021975	RELA	5970	27.4672	26.9505	34.6833	33.7344	0.33293	5.05E-06	4.20E-05	Up-regulated
NM_000046	ARSB	411	6.24713	5.58861	7.43616	7.49437	0.33235	0.0023504	0.0106799	Up-regulated
NM_152264	SLC39A13	91252	24.1249	22.5917	31.6266	27.261	0.3323	0.0023001	0.0104789	Up-regulated
NM_183422	TSC22D1	8848	4.43808	3.99537	5.24681	5.39806	0.33201	0.0080899	0.0309953	Up-regulated
NM_014923	FNDC3A	22862	6.5227	5.78402	7.87443	7.64704	0.33149	0.0029037	0.0128073	Up-regulated
NM_001693	ATP6V1B2	526	126.035	122.077	152.806	158.297	0.3311	3.79E-16	8.64E-15	Up-regulated
NM_001655	ARCNI	372	46.6884	46.4444	58.7958	58.0026	0.33103	1.48E-13	2.79E-12	Up-regulated
NM_014335	EID1	23741	129.613	123.367	153.841	163.384	0.33068	8.18E-10	1.10E-08	Up-regulated
NM_001755	CBFB	865	18.4872	21.0859	24.5201	25.2125	0.33005	0.0006416	0.0034415	Up-regulated
NM_006827	TMED10	10972	60.5728	60.5672	73.345	78.4778	0.3296	9.00E-11	1.33E-09	Up-regulated
NM_004354	CCNG2	901	6.45919	5.94736	7.49898	8.11886	0.32939	0.0037039	0.0158463	Up-regulated
NM_001478	B4GALNT1	2583	23.1281	24.578	29.6614	30.1752	0.32883	1.86E-05	0.0001383	Up-regulated
NM_012434	SLC17A5	26503	38.2443	38.1165	48.0061	47.6044	0.32843	7.07E-10	9.53E-09	Up-regulated
NM_198475	FAM171A2	284069	13.9432	14.2298	18.2947	17.0905	0.32754	0.0018073	0.0085223	Up-regulated
NM_002596	CDK18	5129	11.0043	9.83394	13.8638	12.3539	0.32716	0.0102042	0.0376901	Up-regulated
NM_001142277	APLP2	334	23.1476	29.2712	32.6765	33.1845	0.32642	0.0054739	0.0221823	Up-regulated
NM_173542	PLBD2	196463	38.8597	39.5283	51.7618	46.4163	0.32636	2.24E-05	0.0001643	Up-regulated
NM_017811	UBE2R2	54926	14.4709	14.2847	17.8841	18.1094	0.32634	8.56E-06	6.83E-05	Up-regulated
NM_001007	RPS4X	6191	1374.77	1296.75	1666.27	1668.82	0.32623	1.89E-16	4.41E-15	Up-regulated
NM_016578	RSF1	51773	6.13188	6.02649	7.45531	7.80105	0.32559	0.0026362	0.0118046	Up-regulated
NM_024927	PLEKHH3	79990	19.472	18.8522	22.8969	25.1258	0.32535	0.0002986	0.0017307	Up-regulated
NM_001005340	GPNMB	10457	47.4121	49.7228	56.1014	65.4858	0.32466	0.0002951	0.0017126	Up-regulated
NM_018090	NECAP2	55707	35.1529	34.5945	43.455	43.7202	0.3245	6.15E-06	5.05E-05	Up-regulated
NM_145728	SYNM	23336	11.5321	11.5054	14.4441	14.3414	0.32437	2.36E-07	2.38E-06	Up-regulated
NM_007184	NISCH	11188	17.4106	18.1003	21.8126	22.545	0.32411	5.64E-07	5.42E-06	Up-regulated
NM_001188	BAK1	578	27.5029	25.6885	34.8226	31.7982	0.32408	0.0006489	0.0034767	Up-regulated
NM_002827	PTPN1	5770	63.371	61.8781	80.1581	76.1118	0.32351	6.54E-11	9.81E-10	Up-regulated
NM_153186	KANK1	23189	37.3032	43.6813	49.2983	51.9612	0.32343	0.0001214	0.0007685	Up-regulated
NM_172341	PSENE1	55851	59.9634	55.1714	71.2198	72.6743	0.3234	0.0002042	0.0012275	Up-regulated
NM_014827	ZC3H11A	9877	9.76556	11.9048	14.449	12.7761	0.32311	0.0130557	0.0463499	Up-regulated
NM_006644	member 1()	10808	28.5337	27.6325	34.6602	35.418	0.32304	2.72E-10	3.86E-09	Up-regulated
NM_017759	INO80D	54891	1.5781	1.6066	1.99817	1.99967	0.32294	0.0094689	0.0353503	Up-regulated
NM_015251	ATMIN	23300	7.2382	7.73245	8.63017	10.1473	0.32209	0.0108762	0.0397651	Up-regulated
NM_021818	SAV1	60485	8.12095	8.51403	10.0827	10.8033	0.32171	0.0102772	0.0379232	Up-regulated
NM_005779	LHFPL2	10184	18.2728	17.9375	22.603	22.5402	0.32157	1.66E-07	1.71E-06	Up-regulated
NM_006494	ERF	2077	67.7389	66.2931	84.0178	82.91	0.32138	7.36E-12	1.19E-10	Up-regulated
NM_003827	NAPA	8775	88.3154	80.6275	102.835	107.679	0.32099	2.44E-06	2.14E-05	Up-regulated
NM_017526	LEPROT	54741	16.0036	16.1327	19.1722	20.9171	0.32075	4.04E-05	0.0002814	Up-regulated
NM_004924	ACTN4	81	448.294	442.048	563.273	544.73	0.32053	3.79E-24	1.40E-22	Up-regulated
NM_005979	S100A13	6284	212.171	214.064	267.529	262.39	0.32048	2.17E-07	2.20E-06	Up-regulated
NM_006454	MXD4	10608	24.8546	22.947	30.5564	29.0178	0.3199	2.06E-05	0.0001521	Up-regulated
NM_005909	MAP1B	4131	12.1217	14.3712	15.8467	17.2362	0.31989	0.0007483	0.0039616	Up-regulated
NM_015388	YIPF3	25844	92.0074	88.1979	113.781	110.486	0.31979	3.37E-08	3.75E-07	Up-regulated
NM_032141	NSRP1	84081	19.1	18.6985	22.1776	25.0631	0.3197	0.0023188	0.010549	Up-regulated
NM_002342	LTBR	4055	61.4103	60.6458	77.7291	74.2109	0.3196	1.87E-08	2.14E-07	Up-regulated
NM_178568	RTN4RL1	146760	10.7748	10.5238	13.5681	13.0233	0.31941	0.0011718	0.0058687	Up-regulated
NM_018337	ZNF444	55311	23.9355	25.837	32.1048	29.979	0.31926	0.0010792	0.0054597	Up-regulated
NM_007318	PSEN1	5663	6.62608	6.38559	8.41679	7.83583	0.31888	0.0014781	0.0071734	Up-regulated
NR_046235	RNA45S5	1E+08	895.26	1004.35	1142.19	1224.53	0.31878	3.55E-05	0.0002502	Up-regulated
NM_024706	ZNF668	79759	10.2526	10.8422	13.5918	12.7685	0.31871	0.007772	0.0299395	Up-regulated
NM_004761	RGL2	5863	19.4272	19.893	24.5388	24.4145	0.31843	1.62E-05	0.0001223	Up-regulated

NM_001031732	YTHDC1	91746	6.11492	6.28351	7.38494	8.08549	0.31829	0.0021761	0.0099957	Up-regulated
NM_001080452	GPR108	56927	30.3759	26.8424	35.1388	36.1918	0.31741	0.0010811	0.0054664	Up-regulated
NM_014164	FXYS5	53827	191.736	174.557	224.653	230.443	0.31726	6.27E-06	5.14E-05	Up-regulated
NM_003715	USO1	8615	31.1018	29.7221	35.9678	39.681	0.31689	1.50E-05	0.000114	Up-regulated
NM_017727	TMEM214	54867	37.3015	35.3894	46.9955	43.3363	0.31623	1.24E-05	9.55E-05	Up-regulated
NM_005620	S100A11	6282	808.779	762.068	948.117	996.921	0.31576	1.23E-08	1.44E-07	Up-regulated
NM_020680	SCYL1	57410	26.3677	22.8894	31.4621	29.8606	0.31573	0.0015456	0.0074517	Up-regulated
NM_004343	CALR	811	1196.25	1190.99	1482.64	1476.56	0.31557	3.32E-40	2.21E-38	Up-regulated
NM_018275	C7orf43	55262	12.3055	13.1861	15.8292	15.9444	0.31552	0.004811	0.0198071	Up-regulated
NM_016323	HERC5	51191	13.8449	14.0712	16.8318	17.869	0.3154	0.0004284	0.0024004	Up-regulated
NM_001567	INPPL1	3636	32.7471	34.1742	42.7022	40.3622	0.3152	7.60E-08	8.13E-07	Up-regulated
NM_005724	TSPAN3	10099	100.286	97.7499	124.564	121.005	0.31513	2.06E-16	4.80E-15	Up-regulated
NM_001321324	MOV10	4343	13.1531	13.907	16.6592	16.9778	0.3147	0.0006535	0.0034973	Up-regulated
NM_000629	IFNAR1	3454	11.7355	12.1555	14.7439	14.8927	0.31414	7.14E-06	5.79E-05	Up-regulated
NM_001035254	FAM102A	399665	8.23775	8.56665	10.5537	10.3682	0.31411	0.0022416	0.0102539	Up-regulated
NM_003763	STX16	8675	19.4581	19.5586	25.49	22.9505	0.31371	5.42E-05	0.0003691	Up-regulated
NM_003893	LDB1	8861	16.8876	18.0541	23.1303	20.377	0.31324	0.0075772	0.029337	Up-regulated
NM_001135651	EIF2AK2	5610	16.9403	19.5869	22.4349	22.9597	0.31319	0.0009557	0.0049102	Up-regulated
NM_002835	PTPN12	5782	24.9786	24.337	30.1749	30.9476	0.31245	4.71E-06	3.95E-05	Up-regulated
NM_006289	TLN1	7094	36.0532	37.1958	46.7936	43.8853	0.31189	5.15E-10	7.05E-09	Up-regulated
NM_175744	RHOC	389	48.6218	48.9021	60.7476	60.0775	0.31186	5.47E-05	0.0003724	Up-regulated
NM_001319078	HMGAI	3159	23.3218	22.4623	26.3427	30.5505	0.31071	0.0085998	0.0326025	Up-regulated
NM_033158	HYAL2	8692	42.3662	42.7784	55.5809	49.8673	0.31063	7.59E-05	0.0005009	Up-regulated
NM_003299	HSP90B1	7184	361.809	372.76	453.798	453.913	0.3105	6.47E-24	2.35E-22	Up-regulated
NM_174916	UBR1	197131	3.01096	3.09692	3.7339	3.85369	0.31002	0.0123054	0.044162	Up-regulated
NM_001322374	CEBPZOS	1E+08	9.40198	9.23124	11.3887	11.7385	0.30975	0.0059496	0.0237674	Up-regulated
NM_004886	APBA3	9546	15.822	15.622	20.3986	18.6342	0.30947	0.0069679	0.0272373	Up-regulated
NM_000018	ACADVL	37	220.378	218.741	268.988	273.189	0.30947	4.94E-22	1.61E-20	Up-regulated
NM_018992	KCTD5	54442	35.597	34.9237	43.8047	43.3475	0.30891	2.26E-06	1.98E-05	Up-regulated
NM_004756	NUMBL	9253	15.8577	16.4106	20.4652	19.4462	0.30863	0.0002069	0.001243	Up-regulated
NM_198576	AGRN	375790	165.303	179.146	222.7	202.8	0.30802	8.03E-07	7.57E-06	Up-regulated
NM_002822	TWF1	5756	37.8349	38.3987	45.1642	48.9914	0.30784	5.85E-06	4.83E-05	Up-regulated
NM_001429	EP300	2033	12.5129	13.2467	15.779	16.0363	0.3078	5.17E-07	5.00E-06	Up-regulated
NM_001159773	CANT1	124583	23.5034	24.3954	30.8404	28.3638	0.3077	0.000101	0.0006499	Up-regulated
NM_000240	MAOA	4128	5.40467	5.15051	6.41247	6.67561	0.30768	0.007959	0.0305489	Up-regulated
NM_005642	TAF7	6879	64.6812	61.1663	75.3932	79.9762	0.30739	1.25E-06	1.15E-05	Up-regulated
NM_014795	ZEB2	9839	7.6349	6.94808	9.59566	8.45662	0.30708	0.0021247	0.0097942	Up-regulated
NM_006634	VAMP5	10791	292.884	274.115	360.523	338.063	0.30685	9.72E-06	7.68E-05	Up-regulated
NM_000918	P4HB	5034	394.319	388.615	487.397	477.432	0.30668	8.06E-26	3.30E-24	Up-regulated
NR_137295	NR_137295	NA	1666.08	1671.36	1993.41	2118.46	0.30635	4.72E-14	9.35E-13	Up-regulated
NM_177925	H2AFJ	55766	8.97105	8.40662	10.3373	11.2015	0.3063	0.008411	0.03202	Up-regulated
NM_014970	KIFAP3	22920	14.5746	17.4237	19.3819	20.2609	0.30593	0.0103613	0.0381598	Up-regulated
NM_006389	HYOU1	10525	44.7157	49.9556	58.3747	58.3592	0.30509	3.77E-06	3.20E-05	Up-regulated
NM_022900	CASD1	64921	6.83682	6.69467	8.44293	8.30689	0.30493	0.0102688	0.0379052	Up-regulated
NM_001129994	KCTD15	79047	18.9174	18.5949	24.2776	21.969	0.30405	0.0002624	0.0015387	Up-regulated
NM_019554	S100A4	6275	327.152	315.054	388.753	399.598	0.30324	3.25E-06	2.79E-05	Up-regulated
NM_001009552	PPP2CB	5516	42.8858	39.5826	51.1046	50.4627	0.30301	8.06E-05	0.0005286	Up-regulated
NM_080593	HIST1H2BK	85236	170.173	158.611	197.419	206.966	0.30286	2.38E-05	0.0001739	Up-regulated
NM_004604	STX4	6810	46.4754	45.0853	56.5256	56.185	0.30235	0.0001061	0.0006795	Up-regulated
NM_181672	cc) transferase	8473	83.4691	92.1853	105.67	110.426	0.30233	3.53E-07	3.48E-06	Up-regulated
NM_001083617	RB1CC1	9821	6.00696	6.48704	7.50946	7.9032	0.30222	0.0024965	0.0112794	Up-regulated
NM_031229	RBCK1	10616	13.5241	12.3286	15.247	16.6456	0.3022	0.0027345	0.0121707	Up-regulated
NM_016605	FAM53C	51307	17.2192	16.4264	20.6944	20.7015	0.3019	2.14E-05	0.0001574	Up-regulated
NM_031288	INO80B	83444	68.314	66.256	84.2632	81.266	0.30183	3.71E-05	0.0002607	Up-regulated
NM_007047	BTN3A2	11118	10.5604	10.3827	12.4088	13.4134	0.30178	0.0028491	0.0126072	Up-regulated
NM_001286365	MAP7D1	55700	49.3624	46.3749	61.4602	56.2978	0.30147	1.13E-05	8.83E-05	Up-regulated
NM_001146213	TBC1D15	64786	8.30101	7.29679	10.0446	9.20095	0.30119	0.0070541	0.0275405	Up-regulated
NM_005895	GOLGA3	2802	20.2013	21.3656	26.1958	24.8935	0.30113	1.07E-07	1.13E-06	Up-regulated
NM_004176	SREBF1	6720	35.7937	38.026	48.0591	42.748	0.30102	6.93E-05	0.0004609	Up-regulated
NM_002896	RBM4	5936	40.471	42.5422	50.211	51.896	0.3009	0.0001433	0.0008946	Up-regulated
NM_006241	PPP1R2	5504	15.3004	14.6797	17.663	19.2514	0.30088	0.0012496	0.0062162	Up-regulated
NM_001145426	YBX3	8531	20.9484	21.179	26.9439	25.0189	0.30072	0.0059156	0.0236514	Up-regulated
NM_004047	ATP6V0B	533	171.126	157.972	203.968	200.084	0.30068	3.19E-07	3.16E-06	Up-regulated
NM_015306	USP24	23358	9.13614	9.5933	11.6051	11.4125	0.30045	1.49E-06	1.34E-05	Up-regulated
NM_018950	HLA-F	3134	71.155	66.9406	83.4913	86.1209	0.30042	6.14E-05	0.0004121	Up-regulated
NM_016255	FAM8A1	51439	10.9904	11.4002	13.5402	13.9988	0.30023	0.0003376	0.0019357	Up-regulated
NM_006029	PNMA1	9240	25.5626	23.7312	28.803	31.8694	0.30008	0.0014053	0.006892	Up-regulated
NM_212471	PRKAR1A	5573	65.5658	68.7461	80.2343	84.6196	0.29967	2.39E-09	3.03E-08	Up-regulated
NM_030938	VMP1	81671	34.1335	35.6662	43.5368	42.1351	0.29919	2.17E-07	2.20E-06	Up-regulated
NM_006148	LASP1	3927	84.174	85.1059	104.19	103.398	0.29911	2.28E-17	5.62E-16	Up-regulated
NM_021103	TMSB10	9168	6790.88	6346.78	7981.49	8064.5	0.29886	5.60E-11	8.44E-10	Up-regulated
NM_004281	BAG3	9531	37.6534	37.6994	45.6783	46.7803	0.29885	1.61E-06	1.45E-05	Up-regulated
NM_006369	LRRC41	10489	17.8262	17.9092	21.4339	22.4836	0.2986	0.0004887	0.0026963	Up-regulated
NM_001001521	UGP2	7360	32.3435	29.373	37.1676	38.6232	0.29832	0.0007639	0.0040355	Up-regulated
NM_001304525	MAD1L1	8379	78.4059	79.7976	100.06	94.0221	0.29802	2.12E-05	0.0001561	Up-regulated
NM_001195479	TFG	10342	21.2038	21.9432	28.154	24.9512	0.29785	0.006642	0.02614	Up-regulated
NM_003164	STX5	6811	21.1616	20.4824	25.6808	25.4816	0.2968	0.0038701	0.0164617	Up-regulated
NM_020440	PTGFRN	5738	12.8655	13.6118	17.4095	15.1025	0.29639	0.0017915	0.0084559	Up-regulated
NM_020673	RAB22A	57403	6.913	6.81141	8.19274	8.63464	0.29633	0.0001761	0.0010731	Up-regulated
NM_003334	UBA1	7317	92.3529	90.0911	113.779	109.463	0.29583	1.73E-12	2.97E-11	Up-regulated
NM_015358	MORC3	23515	8.10268	8.64277	9.8256	10.7424	0.29568	0.0084866	0.0322631	Up-regulated
NM_015395	TECPR1	25851	12.893	14.2528	16.3932	16.8921	0.29561	0.0002875	0.0016718	Up-regulated
NM_001317007	S100A16	140576	34.9025	34.0794	41.4787	43.0987	0.29503	0.001517	0.0073381	Up-regulated
NM_007024	TMEM115	11070	31.8169	31.9765	39.2587	38.8854	0.29489	8.48E-05	0.000553	Up-regulated

NM_004448	ERBB2	2064	17.0818	17.866	21.2551	21.5259	0.2946	1.66E-05	0.0001249	Up-regulated
NM_001042498	SLC35A2	7355	13.5445	14.9447	17.5931	17.3738	0.29445	0.0072556	0.0282405	Up-regulated
NM_001017956	OS9	10956	55.0773	51.8765	62.4757	68.441	0.29425	3.77E-05	0.0002638	Up-regulated
NM_006503	PSMC4	5704	142.427	132.989	166.026	170.569	0.29396	2.15E-08	2.46E-07	Up-regulated
NM_003927	MBD2	8932	9.53139	9.69006	11.4221	12.1204	0.29341	0.0008433	0.0044001	Up-regulated
NM_001166	BIRC2	329	9.72774	9.77212	11.9758	11.908	0.29289	0.0029928	0.0131365	Up-regulated
NM_001206799	PKM	5315	74.7227	73.3178	91.4912	89.2759	0.2926	1.81E-09	2.31E-08	Up-regulated
NM_014858	TMCC2	9911	42.8836	42.8092	54.1721	50.4794	0.29214	3.86E-07	3.78E-06	Up-regulated
NM_006812	OS9	10956	44.577	46.5881	59.8596	51.6679	0.29194	0.0008933	0.0046382	Up-regulated
NM_006037	HDAC4	9759	6.92392	7.56837	8.81989	8.89721	0.29129	0.0004124	0.002319	Up-regulated
NM_033109	PNPT1	87178	14.1156	14.2861	16.8665	17.8202	0.29113	0.0001584	0.0009771	Up-regulated
NM_001011713	e 30, NatC ca	122830	7.78498	8.4106	10.1677	9.65441	0.2903	0.0072593	0.0282492	Up-regulated
NM_002086	GRB2	2885	55.3658	52.4905	66.1492	65.3512	0.29026	2.33E-08	2.65E-07	Up-regulated
NM_025015	member 12A(F	259217	6.02082	6.08716	7.16729	7.65195	0.28977	0.005873	0.0235054	Up-regulated
NM_006747	SIPA1	6494	17.3369	17.3149	21.8987	20.404	0.28969	0.0005012	0.0027575	Up-regulated
NM_006868	RAB31	11031	26.1101	25.3846	30.4262	32.3668	0.28959	1.19E-05	9.20E-05	Up-regulated
NM_015711	GLTSCR1	29998	4.83468	5.04772	6.06846	6.0313	0.28921	0.0111124	0.0405046	Up-regulated
NM_139012	MAPK14	1432	10.5536	9.74153	12.0638	12.7271	0.28913	0.0034352	0.0148299	Up-regulated
NM_001127213	LY6E	4061	364.707	371.964	456.874	439.495	0.28889	9.40E-13	1.64E-11	Up-regulated
NM_020831	location) 1(M	57591	9.07038	9.66364	11.6235	11.2629	0.28868	0.0028174	0.012496	Up-regulated
NM_002791	PSMA6	5687	238.712	225.28	275.341	289.359	0.28852	3.71E-07	3.65E-06	Up-regulated
NM_016626	MEX3C	51320	18.2545	18.2234	21.391	23.0849	0.28848	0.0001611	0.0009921	Up-regulated
NM_020350	AGTRAP	57085	75.2622	75.9772	92.0855	92.0622	0.28818	3.13E-05	0.0002229	Up-regulated
NM_001142601	SPHK1	8877	34.4182	36.574	45.5469	40.9948	0.28674	0.0027362	0.0121752	Up-regulated
NM_030799	YIPF5	81555	19.1771	19.8052	23.5106	23.9733	0.28674	0.0002155	0.0012882	Up-regulated
NM_005827	SLC35B1	10237	30.0284	26.6409	35.1865	33.9852	0.28663	0.0085803	0.0325349	Up-regulated
NM_002663	PLD2	5338	13.1896	12.6437	16.6124	14.9196	0.28661	0.0057927	0.0232258	Up-regulated
NM_014911	AAK1	22848	1.9176	2.12352	2.47088	2.45777	0.2866	0.0040437	0.0170768	Up-regulated
NM_033630	SCAND1	51282	84.8477	76.9094	97.0953	99.9627	0.28644	0.002117	0.0097702	Up-regulated
NM_002103	GYS1	2997	26.4258	25.9798	32.9519	30.84	0.28621	3.29E-05	0.0002341	Up-regulated
NM_013260	SAP30BP	29115	21.3915	20.2799	24.5703	26.2009	0.28563	0.0012524	0.0062268	Up-regulated
NM_001127178	PIGG	54872	9.83689	10.3227	12.3436	12.2374	0.28532	0.0051425	0.0210222	Up-regulated
NM_005113	GOLGA5	9950	13.6669	12.6459	16.6433	15.4372	0.28492	0.0089748	0.0337761	Up-regulated
NM_024490	tative)(ATP1I	57194	9.47917	10.5841	12.6783	11.7672	0.28442	0.0050824	0.0207944	Up-regulated
NM_001846	COL4A2	1284	116.595	122.663	149.658	140.871	0.28436	3.12E-09	3.91E-08	Up-regulated
NM_001042679	RHOC	389	135.923	120.893	162.193	149.863	0.28411	0.0004704	0.0026104	Up-regulated
NM_021160	ABHD16A	7920	19.4505	18.1383	23.428	22.3481	0.28377	0.0086739	0.0328119	Up-regulated
NM_001724	BPGM	669	26.4002	23.4371	30.7857	29.8897	0.28308	0.0091446	0.0343207	Up-regulated
NM_024736	GSDMD	79792	40.6817	41.6014	51.7992	48.093	0.28264	0.0005334	0.0029125	Up-regulated
NM_013255	MKLN1	4289	4.632	5.13716	5.84395	6.02396	0.28202	0.0022586	0.0103192	Up-regulated
NM_001007237	IGSF3	3321	11.4113	10.8759	13.0763	13.9744	0.28168	0.0001479	0.0009205	Up-regulated
NM_017607	PPP1R12C	54776	26.398	28.7466	32.2545	34.6934	0.28162	0.0007823	0.0041248	Up-regulated
NM_001127358	PHTF2	57157	6.74821	7.25768	8.4493	8.5816	0.2816	0.0075954	0.0293953	Up-regulated
NM_014613	FAF2	23197	18.1209	19.4703	23.001	22.6116	0.28136	0.0001004	0.0006466	Up-regulated
NM_130847	AMOTL1	154810	13.2052	11.9458	15.0867	15.42	0.28125	7.87E-05	0.0005179	Up-regulated
NM_013271	PCSK1N	27344	100.69	95.0381	120.78	116.283	0.28043	0.0001088	0.0006954	Up-regulated
NM_016480	in interacting	51247	68.5612	63.0789	76.9819	82.5908	0.28039	0.0005495	0.0029921	Up-regulated
NM_014371	AKAP8L	26993	41.4023	39.0121	49.2831	48.1788	0.28033	7.09E-05	0.0004708	Up-regulated
NM_004716	PCSK7	9159	7.82818	8.1757	9.80254	9.641	0.28013	0.0108473	0.0396745	Up-regulated
NM_001145409	NONO	4841	34.5909	33.232	41.8396	40.2828	0.27976	1.23E-05	9.48E-05	Up-regulated
NM_002790	PSMA5	5686	46.5768	42.0502	54.3902	52.9679	0.27974	2.71E-05	0.000196	Up-regulated
NM_003461	ZYX	7791	108.909	101.355	128.723	125.725	0.27956	1.92E-07	1.96E-06	Up-regulated
NM_006319	CDIPT	10423	118.991	126.213	149.53	147.176	0.27951	4.82E-08	5.29E-07	Up-regulated
NM_025185	TANC2	26115	4.5686	4.61124	5.67795	5.44627	0.27947	0.0005893	0.0031886	Up-regulated
NM_001010972	ZYX	7791	88.8905	93.3491	110.235	110.256	0.27943	1.55E-08	1.80E-07	Up-regulated
NM_002032	FTH1	2495	999.857	962.117	1181.8	1188.53	0.27881	2.65E-17	6.52E-16	Up-regulated
NR_028272	tein coding)(C	283131	90.0404	98.5388	117.777	110.424	0.27859	7.88E-06	6.33E-05	Up-regulated
NM_001098790	MID1IP1	58526	51.5699	57.1753	65.5797	66.0778	0.27849	0.0002352	0.0013933	Up-regulated
NM_014726	TBKBP1	9755	23.3494	23.3497	28.7352	27.754	0.27837	8.37E-06	6.69E-05	Up-regulated
NM_007269	STXBP3	6814	17.2062	17.0454	19.7665	21.7677	0.2783	0.0073771	0.0286376	Up-regulated
NM_153828	RTN4	57142	385.515	373.95	468.061	449.64	0.27814	6.62E-14	1.29E-12	Up-regulated
NM_024334	TMEM43	79188	36.5769	35.2296	43.0637	43.7696	0.27776	1.41E-06	1.28E-05	Up-regulated
NM_005230	ELK3	2004	27.2479	26.274	31.4014	33.3278	0.27757	1.65E-05	0.000124	Up-regulated
NM_033025	SYDE1	85360	41.3141	40.051	50.2493	48.0743	0.27717	1.62E-06	1.46E-05	Up-regulated
NM_183352	SEC13	6396	136.659	131.469	158.216	165.561	0.27666	4.52E-07	4.39E-06	Up-regulated
NM_001009998	SSBP4	170463	28.7181	30.2595	36.7481	34.6257	0.27643	0.003789	0.0161597	Up-regulated
NM_145173	DIRAS1	148252	37.1151	37.3582	46.5799	43.3865	0.27629	1.37E-05	0.0001045	Up-regulated
NM_198240	CLIP1	6249	11.258	10.7043	12.6117	13.9679	0.27627	0.0021418	0.0098659	Up-regulated
NM_001015053	HDAC5	10014	17.8268	16.6972	22.0696	19.6896	0.27564	0.0013276	0.0065562	Up-regulated
NM_015483	KBTBD2	25948	13.1209	13.2815	15.5343	16.3921	0.27539	0.001968	0.0091709	Up-regulated
NM_005829	AP3S2	10239	7.44279	7.10755	9.23048	8.37121	0.27516	0.0073749	0.028635	Up-regulated
NM_031407	HUWE1	10075	28.222	28.5466	34.8793	33.5949	0.27513	4.59E-13	8.30E-12	Up-regulated
NM_002778	PSAP	5660	346.337	350.236	421.826	417.921	0.27499	6.87E-24	2.48E-22	Up-regulated
NM_021267	CERS1	10715	21.0551	21.7465	25.0932	26.6224	0.27481	0.0017535	0.0083136	Up-regulated
NM_018202	TMEM57	55219	10.17	9.81974	11.7148	12.4553	0.27468	0.0061159	0.0243348	Up-regulated
NM_021943	ZFAND3	60685	28.11	28.9065	34.7455	34.0173	0.27413	1.55E-05	0.0001177	Up-regulated
NM_001336	CTSZ	1522	192.823	189.761	238.607	222.232	0.27334	2.08E-07	2.12E-06	Up-regulated
NM_014246	CELSR1	9620	7.35512	7.85126	9.06366	9.28319	0.27325	9.27E-05	0.0006007	Up-regulated
NM_004766	COPB2	9276	70.2353	68.5649	82.9016	84.2936	0.27301	6.44E-10	8.70E-09	Up-regulated
NM_001109662	HECTD4	283450	3.08858	3.58324	4.13944	3.92605	0.27255	0.0112664	0.0409643	Up-regulated
NM_006224	PITPNA	5306	38.6866	39.909	47.9738	46.6855	0.2723	5.36E-07	5.17E-06	Up-regulated
NM_181715	CRTC2	200186	20.2913	21.4297	26.1665	24.1444	0.27205	0.0033843	0.0146266	Up-regulated
NM_175875	SIX5	147912	26.2151	26.3953	33.9176	29.5608	0.27196	0.0025173	0.0113519	Up-regulated
NM_005885	6-Mar	10299	11.4244	12.161	13.7457	14.6707	0.27162	8.27E-05	0.0005412	Up-regulated

NM_020452	ATP8B2	57198	20.8907	21.841	25.364	26.0705	0.27099	3.31E-06	2.83E-05	Up-regulated
NM_138425	C12orf57	113246	99.7921	99.3998	122.182	117.537	0.27091	0.0013666	0.0067262	Up-regulated
NM_198488	FAM83H	286077	33.8659	35.1754	43.5288	39.5751	0.27087	3.47E-05	0.0002454	Up-regulated
NM_153634	CPNE8	144402	10.4235	11.1461	13.2541	12.7709	0.27047	0.0101606	0.0375509	Up-regulated
NM_006811	SERINC3	10955	36.7198	36.3928	42.2176	45.7315	0.27036	8.36E-06	6.68E-05	Up-regulated
NM_053056	CCND1	595	80.3879	79.1034	96.195	95.461	0.26997	3.92E-14	7.83E-13	Up-regulated
NM_005858	AKAP8	10270	22.8853	22.6919	28.5269	26.316	0.26982	0.0004219	0.0023669	Up-regulated
NM_014631	SH3PXD2A	9644	14.5612	14.6915	18.0472	17.1128	0.26956	4.34E-07	4.23E-06	Up-regulated
NM_002460	IRF4	3662	9.36272	10.6843	11.5837	12.5719	0.26853	0.0120829	0.0434862	Up-regulated
NM_001146156	GSK3B	2932	12.1884	12.1414	14.2246	14.9905	0.26701	7.17E-05	0.0004753	Up-regulated
NM_005346	member 1B(F	3304	21.4583	20.1206	25.5961	24.3258	0.266	0.0037622	0.01606	Up-regulated
NM_015308	FBNP4	23360	10.3137	9.58901	11.6105	12.3027	0.26587	0.008923	0.0335945	Up-regulated
NM_001748	CAPN2	824	80.5108	82.8397	98.1163	97.5917	0.26559	4.73E-11	7.18E-10	Up-regulated
NM_003746	DYNLL1	8655	484.925	475.739	565.925	583.199	0.26551	5.27E-09	6.48E-08	Up-regulated
NM_080822	OVCA2	124641	67.3078	69.3599	80.6838	83.1109	0.26522	0.0009664	0.0049572	Up-regulated
NM_020824	ARHGAP21	57584	14.4084	14.5622	17.0018	17.7235	0.26488	1.32E-05	0.0001015	Up-regulated
NM_000391	TPP1	1200	101.757	108.054	125.894	125.345	0.26458	5.29E-09	6.49E-08	Up-regulated
NM_001030006	AP2B1	163	19.3378	21.1932	23.9969	24.5898	0.26453	0.0001676	0.0010265	Up-regulated
NM_015472	WWTR1	25937	120.644	116.999	143.327	141.127	0.26438	2.41E-15	5.25E-14	Up-regulated
NM_014117	C16orf72	29035	10.1157	10.4696	12.5784	12.13	0.26437	0.0061465	0.0244366	Up-regulated
NM_012479	YWHAG	7532	114.482	110.629	132.941	136.494	0.26418	6.15E-12	1.00E-10	Up-regulated
NM_002961	S100A4	6275	1581.54	1487.97	1786.61	1875.76	0.26415	8.50E-07	7.97E-06	Up-regulated
NM_012448	STAT5B	6777	9.09324	9.21833	10.7733	11.1934	0.26352	0.0029526	0.0129929	Up-regulated
NM_025191	EDEM3	80267	10.6587	10.8467	12.7045	13.0432	0.26267	0.0002005	0.0012081	Up-regulated
NM_017921	NPLOC4	55666	49.1144	49.5248	59.8806	57.9922	0.26173	5.51E-09	6.75E-08	Up-regulated
NM_000398	CYBSR3	1727	91.8896	90.5216	108.842	109.088	0.2617	3.17E-11	4.87E-10	Up-regulated
NM_002570	PCSK6	5046	61.2733	65.2141	72.9529	78.2691	0.26159	6.64E-06	5.41E-05	Up-regulated
NM_017789	SEMA4C	54910	43.2905	42.8694	53.2831	49.7405	0.26154	1.05E-05	8.20E-05	Up-regulated
NM_004811	LPXN	9404	28.451	27.1196	32.3429	34.1791	0.26146	0.0046443	0.0192241	Up-regulated
NM_004712	HGS	9146	98.5986	100.497	119.48	118.327	0.2613	1.90E-11	2.96E-10	Up-regulated
NM_000157	GBA	2629	52.6593	53.0113	62.0378	64.2428	0.26126	6.66E-06	5.42E-05	Up-regulated
NM_006437	nerase family	143	14.8195	15.5969	18.0993	18.2673	0.26062	0.0001481	0.0009214	Up-regulated
NM_006622	PLK2	10769	18.7209	19.7729	23.2385	22.8361	0.26051	0.0024374	0.0110438	Up-regulated
NM_033138	CALD1	800	10.2042	10.4872	11.9234	12.8309	0.26049	0.0030388	0.0133078	Up-regulated
NM_018028	SAMD4B	55095	17.0418	17.8441	22.0323	19.7151	0.26008	0.0028371	0.0125686	Up-regulated
NM_020461	TUBGCP6	85378	10.454	10.4774	12.7585	12.2512	0.25978	0.0006682	0.0035703	Up-regulated
NM_015626	WSB1	26118	23.5461	22.5103	28.2686	26.7633	0.25929	0.0014179	0.0069376	Up-regulated
NM_002966	S100A10	6281	256.877	237.114	290.959	298.116	0.25907	8.45E-06	6.75E-05	Up-regulated
NM_003272	GPR137B	7107	38.389	38.6084	45.9231	45.8544	0.2569	0.0002239	0.0013326	Up-regulated
NM_015299	KHNYN	23351	12.642	12.4927	14.4562	15.5199	0.25659	0.0004911	0.0027073	Up-regulated
NM_000099	CST3	1471	169.478	169.722	197.298	206.273	0.25653	2.75E-05	0.0001987	Up-regulated
NM_002870	RAB13	5872	124.638	119.914	142.406	148.712	0.25642	2.07E-05	0.0001527	Up-regulated
NM_021962	ABR	29	34.6059	31.4113	41.7052	37.0351	0.25626	0.0017909	0.0084555	Up-regulated
NM_001004128	QSOX1	5768	27.7169	30.5095	36.3579	33.1041	0.25592	0.0060843	0.0242344	Up-regulated
NM_018475	TMEM165	55858	58.3398	55.2218	65.6865	69.5281	0.25583	0.0002037	0.0012257	Up-regulated
NM_015277	NEDD4L	23327	9.53788	10.3116	12.214	11.4379	0.25506	0.0013684	0.0067336	Up-regulated
NM_021021	SNTB1	6641	15.8176	16.0861	17.7118	20.315	0.2547	0.0054968	0.022247	Up-regulated
NM_203346	HDLBP	3069	48.3792	52.2846	61.615	58.1318	0.25428	1.32E-05	0.0001015	Up-regulated
NM_003169	SUPT5H	6829	55.6492	58.2755	69.4771	65.9789	0.25406	2.66E-06	2.31E-05	Up-regulated
NM_001144759	PHLDB1	23187	34.6804	36.2115	42.42	41.8444	0.25394	2.91E-07	2.91E-06	Up-regulated
NM_001251	CD68	968	83.4449	82.3141	99.47	97.5436	0.2538	1.08E-06	9.98E-06	Up-regulated
NM_005109	OXSRI	9943	25.1172	24.5704	29.2064	29.8855	0.25366	1.12E-05	8.73E-05	Up-regulated
NM_003899	ARHGEF7	8874	13.032	11.2372	14.5547	14.3612	0.25363	0.0111924	0.0407417	Up-regulated
NM_001085487	MYSM1	114803	8.47539	9.02982	10.2751	10.5581	0.25349	0.0010564	0.0053585	Up-regulated
NM_194285	SPTY2D1	144108	8.66412	8.75498	10.067	10.6776	0.25345	0.0039428	0.0167149	Up-regulated
NM_017999	RNF31	55072	17.5382	16.8522	21.0834	19.8393	0.25329	0.0023419	0.0106514	Up-regulated
NM_002346	LY6E	4061	1261.35	1204.15	1496.48	1429.88	0.25308	9.03E-10	1.20E-08	Up-regulated
NM_001146105	nerase family	83666	22.7859	24.6645	30.1201	26.3706	0.25287	0.011487	0.0416461	Up-regulated
NM_001321096	SREBF1	6720	56.9346	61.9743	68.3499	72.9845	0.25273	8.32E-05	0.0005439	Up-regulated
NM_005451	PDLIM7	9260	42.2546	41.9151	51.0505	48.9767	0.25266	0.0009442	0.0048642	Up-regulated
NM_004866	SCAMP1	9522	7.89349	7.94748	9.20575	9.62718	0.2515	0.0035108	0.0151115	Up-regulated
NM_000033	ABCD1	215	61.4307	63.4134	77.6393	70.6073	0.2515	6.48E-05	0.0004333	Up-regulated
NM_000235	LIPA	3988	58.445	60.6561	69.5331	71.7846	0.25097	2.72E-06	2.35E-05	Up-regulated
NM_016041	DERL2	51009	12.8204	12.3853	14.5973	15.3562	0.25095	0.0035536	0.0152856	Up-regulated
NM_000937	POLR2A	5430	46.7233	47.971	56.9131	55.405	0.25089	5.65E-10	7.69E-09	Up-regulated
NM_0004910	PITPNM1	9600	12.264	12.8841	15.4432	14.4487	0.25081	0.005523	0.0223385	Up-regulated
NM_053023	ZFP91	80829	21.7323	21.6038	26.1468	25.2494	0.25049	7.53E-06	6.08E-05	Up-regulated
NM_003590	CUL3	8452	7.66179	7.18111	8.48331	9.15049	0.25042	0.0077061	0.0297274	Up-regulated
NM_001034841	ITPR1L2	162073	18.9255	20.0273	23.3852	22.8043	0.24985	1.16E-05	9.02E-05	Up-regulated
NM_001162383	ARHGEF2	9181	32.8837	29.7009	35.5884	38.6897	0.24966	0.0016001	0.0076741	Up-regulated
NM_001198832	PDE4DIP	9659	7.86895	7.50982	9.46712	8.78231	0.24935	0.003078	0.0134531	Up-regulated
NM_015859	GTF2A1	2957	7.01887	6.8109	8.41146	8.01461	0.2491	0.0073437	0.0285341	Up-regulated
NM_000188	HK1	3098	70.0987	69.3848	90.892	74.673	0.2487	0.0075981	0.0293999	Up-regulated
NM_005065	SEL1L	6400	10.9867	12.138	13.8041	13.6197	0.24852	0.001202	0.0059983	Up-regulated
NR_002824	HERC2P2	400322	15.3944	15.9287	18.7588	18.3575	0.24851	8.61E-05	0.0005606	Up-regulated
NM_001199698	BAG6	7917	44.4521	44.6076	56.3919	49.1861	0.24788	0.0017079	0.0081276	Up-regulated
NM_018975	TERF2IP	54386	43.8675	40.0009	48.5518	50.8375	0.24779	0.0017182	0.0081728	Up-regulated
NM_002795	PSMB3	5691	356.588	337.736	412.601	407.798	0.24713	1.65E-06	1.48E-05	Up-regulated
NM_152609	CNST	163882	9.70111	9.49965	11.6483	11.1053	0.24711	0.0044517	0.0185231	Up-regulated
NM_007146	VEZF1	7716	12.1978	11.0659	13.8405	13.7264	0.24702	0.0069434	0.0271581	Up-regulated
NM_003831	RIOK3	8780	14.8426	15.0403	17.912	17.4988	0.24693	0.0014981	0.0072558	Up-regulated
NM_001174072	SERINC5	256987	15.5814	16.2362	19.5223	18.1253	0.24553	0.0005061	0.0027765	Up-regulated
NM_006795	EHD1	10938	20.3808	21.8373	23.8969	26.0547	0.24539	0.004417	0.0183948	Up-regulated
NM_002744	PRKCZ	5590	20.4291	22.6833	25.5673	25.4743	0.24523	0.0134588	0.0475866	Up-regulated

NM_002816	PSMD12	5718	22.8704	22.6875	25.7096	28.1693	0.24522	0.0007881	0.0041472	Up-regulated
NM_031954	KCTD10	83892	17.2282	16.5726	18.8241	21.2025	0.24519	0.0070936	0.0276777	Up-regulated
NM_004651	USP11	8237	50.5468	49.5738	60.1952	58.0601	0.2448	1.99E-06	1.77E-05	Up-regulated
NM_005345	member 1A(F	3303	46.9826	46.4307	57.5334	52.8473	0.24476	0.0004857	0.0026837	Up-regulated
NM_033225	CSMD1	64478	2.90578	3.05847	3.48141	3.57765	0.24428	0.0088244	0.0332822	Up-regulated
NM_001845	COL4A1	1282	55.2652	59.1363	67.1119	67.9943	0.24424	3.21E-07	3.18E-06	Up-regulated
NM_012200	B3GAT3	26229	78.159	77.594	88.1306	95.8843	0.24417	0.0003972	0.0022392	Up-regulated
NM_001199198	TBC1D23	55773	14.59	15.457	17.5345	18.0018	0.24396	0.0034439	0.0148606	Up-regulated
NM_015551	SUSD5	26032	8.88299	8.392	10.2326	10.2041	0.24364	0.0093458	0.0349522	Up-regulated
NM_014313	TMEM50A	23585	66.0359	61.4717	75.1598	75.3272	0.24298	6.01E-05	0.0004041	Up-regulated
NM_013995	LAMP2	3920	53.3849	54.4311	62.8215	64.325	0.24278	4.59E-08	5.05E-07	Up-regulated
NM_006471	MYL12A	10627	193.426	177.11	219.235	217.736	0.24271	5.90E-05	0.0003976	Up-regulated
NM_019096	GTPBP2	54676	41.5574	39.8785	47.9353	48.1471	0.24263	2.49E-05	0.0001815	Up-regulated
NM_003945	ATP6V0E1	8992	456.353	437.398	530.858	521.807	0.24258	2.21E-08	2.52E-07	Up-regulated
NM_017510	TMED9	54732	170.146	169.63	202.198	198.243	0.24226	9.80E-13	1.71E-11	Up-regulated
NM_030789	HM13	81502	173.982	183.657	215.019	206.487	0.24201	2.02E-06	1.79E-05	Up-regulated
NM_015092	SMG1	23049	7.21499	7.6929	8.8349	8.75276	0.24201	8.74E-05	0.0005689	Up-regulated
NM_006407	ARL6IP5	10550	128.117	128.014	146.901	154.948	0.24195	2.97E-07	2.96E-06	Up-regulated
NM_183381	RNF13	11342	30.8987	32.1196	37.1817	37.1443	0.24189	0.0002586	0.0015185	Up-regulated
NM_001009955	SSBP3	23648	20.1196	20.1387	22.7954	24.7288	0.24184	0.0040397	0.0170768	Up-regulated
NM_153273	IP6K1	9807	23.9728	24.191	27.4677	29.3244	0.24152	0.0002127	0.0012743	Up-regulated
NM_006927	ST3GAL2	6483	20.4519	19.8938	25.0328	22.5488	0.24073	0.0027078	0.0120713	Up-regulated
NM_018840	C20orf24	55969	166.801	166.714	195.401	197.208	0.24072	1.46E-06	1.32E-05	Up-regulated
NM_031231	NECAB3	63941	28.0749	29.0021	33.8717	33.3908	0.24013	0.0050373	0.0206362	Up-regulated
NM_001304743	SLK	9748	7.30044	7.48215	8.7369	8.6868	0.24	0.0022705	0.0103611	Up-regulated
NM_014862	ARNT2	9915	30.3515	31.7002	36.2972	36.7479	0.23973	5.99E-07	5.73E-06	Up-regulated
NM_006110	CD2BP2	10421	40.5378	42.4383	49.3053	48.3709	0.23948	2.08E-05	0.0001537	Up-regulated
NM_080426	GNAS	2778	291.246	277.055	326.034	342.18	0.23878	1.58E-07	1.64E-06	Up-regulated
NM_001270433	CDK2AP1	8099	96.8658	103.087	118.021	116.837	0.23707	0.0006057	0.0032691	Up-regulated
NM_001077183	TSC2	7249	9.3364	10.1934	11.3326	11.6553	0.23676	0.009188	0.0344565	Up-regulated
NM_001042559	EIF4G2	1982	51.3179	50.2678	56.0335	63.4138	0.23676	0.0011134	0.0056104	Up-regulated
NM_016823	CRK	1398	24.1463	22.7436	26.9678	28.1339	0.23616	0.0019751	0.0091955	Up-regulated
NM_021939	FKBP10	60681	259.123	260.15	309.765	299.38	0.23554	1.62E-12	2.78E-11	Up-regulated
NM_004395	DBN1	1627	109.099	111.9	131.539	127.721	0.23542	1.07E-08	1.26E-07	Up-regulated
NM_023935	DDRGGK1	65992	70.3611	65.1436	81.7869	77.366	0.23541	0.0036076	0.0154829	Up-regulated
NM_003482	KMT2D	8085	7.43453	8.3455	9.50814	9.0278	0.23504	0.0018803	0.0088083	Up-regulated
NM_001312	CRIP2	1397	86.0376	84.5845	105.125	95.1118	0.23479	0.0030783	0.0134531	Up-regulated
NM_001013251	SLC3A2	6520	253.76	253.902	299.195	295.803	0.23468	3.60E-13	6.57E-12	Up-regulated
NM_012194	KIAA1549L	25758	5.07542	5.43862	6.35585	5.99786	0.23453	0.006057	0.0241452	Up-regulated
NM_012289	KEAP1	9817	46.4293	44.8348	53.9955	53.031	0.23399	7.66E-05	0.0005045	Up-regulated
NM_000297	PKD2	5311	14.1211	14.1196	15.9824	17.171	0.23387	0.002426	0.0109947	Up-regulated
NM_003900	SQSTM1	8878	242.708	242.059	291.042	276.98	0.23375	9.21E-10	1.23E-08	Up-regulated
NM_000528	MAN2B1	4125	49.2262	52.7848	61.1305	58.4525	0.23336	0.0001677	0.0010268	Up-regulated
NM_002999	SDC4	6385	30.2164	28.0451	33.9652	34.3915	0.23327	0.0025067	0.0113174	Up-regulated
NM_138962	MSI2	124540	13.4386	12.6352	15.2423	15.3329	0.23288	0.0008728	0.0045443	Up-regulated
NM_002890	RASA1	5921	12.6561	12.1688	14.6983	14.4175	0.23247	0.0050727	0.020759	Up-regulated
NM_007126	VCP	7415	87.0566	89.2848	103.397	103.045	0.23235	6.12E-10	8.28E-09	Up-regulated
NM_004892	seudogene(S)	9554	54.7427	53.4247	62.3697	64.38	0.23235	0.000311	0.0017969	Up-regulated
NM_003022	SH3BGRL	6451	37.7196	36.2124	43.0701	43.5658	0.23226	0.0014812	0.0071869	Up-regulated
NM_031918	KLF16	83855	40.4379	39.5836	47.7922	45.9613	0.23226	0.0001151	0.000732	Up-regulated
NM_003507	FZD7	8324	23.7884	26.5152	29.5645	29.4275	0.23211	0.0031656	0.0137715	Up-regulated
NM_006083	IK	3550	72.618	68.51	80.4171	84.7446	0.23103	0.0003505	0.0020012	Up-regulated
NM_004936	CDKN2B	1030	17.2658	16.6316	20.3914	19.3125	0.23102	0.0037333	0.0159598	Up-regulated
NM_004326	BCL9	607	8.75471	8.71504	10.0071	10.4535	0.23094	0.0052331	0.0213546	Up-regulated
NM_004124	GMPFB	2764	40.613	38.0582	44.156	47.9182	0.23055	0.0006524	0.0034927	Up-regulated
NM_002046	GAPDH	2597	3579.77	3426.7	4112.12	4075.17	0.23054	8.95E-11	1.33E-09	Up-regulated
NR_027451	NORAD	647979	95.7644	95.502	111.03	112.584	0.23047	1.14E-13	2.18E-12	Up-regulated
NM_001270960	NOSIP	51070	71.1443	70.0291	82.1725	82.8732	0.23015	0.0010452	0.005307	Up-regulated
NM_016272	TOB2	10766	15.102	15.5033	18.0512	17.7749	0.23007	0.0014905	0.0072284	Up-regulated
NM_018939	PCDHB6	56130	15.5447	15.746	18.699	17.9533	0.22998	0.0082378	0.0314548	Up-regulated
NM_025160	WDR26	80232	15.6369	17.0149	19.4131	18.7878	0.2298	0.0010526	0.0053405	Up-regulated
NM_181553	CMTM3	123920	28.4756	29.306	32.4524	35.1471	0.22947	0.0129306	0.0459912	Up-regulated
NM_001303614	SAMD4B	55095	16.3719	14.8946	18.0195	18.5803	0.22928	0.0129561	0.0460563	Up-regulated
NM_005938	FOXO4	4303	20.2193	18.7671	22.473	23.1267	0.22897	0.005305	0.0216043	Up-regulated
NM_015353	KCTD2	23510	18.1569	17.6912	21.3799	20.525	0.22861	0.0028737	0.0127044	Up-regulated
NM_032409	PINK1	65018	43.598	44.1481	51.1779	51.3064	0.2284	6.13E-05	0.0004121	Up-regulated
NM_006710	COP8	10920	45.7296	41.114	49.1605	52.3792	0.22827	0.0062408	0.0247756	Up-regulated
NM_005040	PRCP	5547	18.6815	18.1121	21.3863	21.628	0.22817	0.0021381	0.0098509	Up-regulated
NM_153831	PTK2	5747	25.5843	22.2061	27.2583	28.6234	0.2279	0.0093344	0.0349231	Up-regulated
NM_021095	SLC5A6	8884	50.8585	52.9378	62.0987	59.0801	0.22739	5.92E-05	0.0003985	Up-regulated
NM_004331	BNIP3L	665	26.1297	25.5105	29.2133	31.0746	0.22721	0.0011888	0.0059415	Up-regulated
NM_014294	TRAM1	23471	69.9867	68.3466	80.4059	80.9547	0.22691	2.65E-07	2.66E-06	Up-regulated
NM_004455	EXTL1	2134	21.8619	21.6757	25.5845	25.2001	0.22636	0.000431	0.002411	Up-regulated
NM_001407	CELSR3	1951	11.4169	13.0982	14.8574	13.7783	0.22635	0.008566	0.0325002	Up-regulated
NM_000232	SGCB	6443	11.777	11.6613	14.1987	13.176	0.22606	0.0135929	0.0479719	Up-regulated
NM_015627	LDLRAP1	26119	27.7775	27.8496	32.211	32.6731	0.226	0.0007848	0.0041346	Up-regulated
NM_176812	CHMP4B	128866	120.186	117.226	140.563	135.903	0.22509	7.65E-06	6.16E-05	Up-regulated
NM_002224	ITPR3	3710	26.9103	28.3619	32.7547	31.6522	0.22497	6.54E-06	5.35E-05	Up-regulated
NM_013237	PRELID1	27166	258.516	259.365	306.314	296.52	0.22496	5.00E-08	5.48E-07	Up-regulated
NM_002714	PPP1R10	5514	20.5635	19.0516	23.4734	22.7007	0.22445	0.0019885	0.0092533	Up-regulated
NM_024408	NOTCH2	4853	10.1188	11.307	12.7443	12.225	0.22374	0.0034811	0.0150007	Up-regulated
NM_022130	GOLPH3	64083	30.0855	29.4567	33.3439	36.0384	0.22362	0.0039814	0.0168677	Up-regulated
NM_005443	PAPSS1	9061	35.6546	32.9498	39.8188	40.0624	0.22322	0.0026308	0.0117857	Up-regulated
NM_001128431	SLC39A14	23516	49.6199	51.7273	57.3389	60.6128	0.22321	2.11E-05	0.0001559	Up-regulated

NM_015268	member C13(C	23317	11.552	10.2132	12.3152	13.0377	0.22263	0.0118953	0.0428515	Up-regulated
NM_014601	EHD2	30846	28.046	27.3978	33.3037	31.2374	0.22261	0.0010926	0.0055198	Up-regulated
NM_024309	TNIP2	79155	30.8027	30.4152	35.8276	35.4229	0.22257	0.0057944	0.0232258	Up-regulated
NM_006775	QKI	9444	6.47569	6.37063	7.62969	7.32104	0.22221	0.0042594	0.0178278	Up-regulated
NM_006858	TMED1	11018	41.3305	45.3072	51.3038	49.583	0.2222	0.009365	0.0350172	Up-regulated
NM_001084	PLOD3	8985	336.072	334.46	393.802	384.866	0.22108	2.71E-14	5.46E-13	Up-regulated
NM_001940	ATN1	1822	29.4806	32.3282	37.5294	34.331	0.22045	0.0052806	0.0215268	Up-regulated
NM_004240	TRIP10	9322	27.676	26.8719	31.2479	32.1623	0.22013	0.0103259	0.0380661	Up-regulated
NM_001042545	LTPB4	8425	47.2152	48.9083	57.6043	53.991	0.21954	5.00E-05	0.0003424	Up-regulated
NM_001319	CSNK1G2	1455	62.5687	65.3982	76.2037	72.3112	0.21917	0.0001042	0.0006692	Up-regulated
NM_005313	PDIA3	2923	142.853	146.383	166.771	168.641	0.21888	5.01E-10	6.88E-09	Up-regulated
NM_001257391	CD63	967	100.507	97.9564	113.614	116.58	0.21862	0.0023016	0.0104831	Up-regulated
NM_005809	PRDX2	7001	154.977	148.957	172.334	179.914	0.2182	0.0003526	0.002012	Up-regulated
NM_003477	PDHX	8050	16.8785	16.9802	19.5529	19.7711	0.21797	0.0111772	0.040702	Up-regulated
NM_001330262	NFE2L1	4779	95.5267	93.4758	108.939	110.03	0.21742	7.44E-11	1.11E-09	Up-regulated
NM_001128833	ZBTB4	57659	22.7	25.9086	29.4994	26.9235	0.21734	0.0137044	0.0483206	Up-regulated
NM_020695	REXO1	57455	15.0737	15.9545	18.0777	17.8919	0.21674	0.0040327	0.0170546	Up-regulated
NM_003101	SOAT1	6646	15.5304	16.8188	18.4021	19.1017	0.2167	0.0018293	0.0086069	Up-regulated
NM_006271	S100A1	6271	1060.63	1001.66	1222.64	1159.78	0.21626	2.12E-05	0.0001563	Up-regulated
NM_015331	NCSTN	23385	28.8769	28.3808	32.8413	33.4453	0.21525	0.0013101	0.0064781	Up-regulated
NM_021639	GPBP1L1	60313	17.6251	17.2769	19.5104	20.9089	0.21483	0.008219	0.0313984	Up-regulated
NM_005736	ACTR1A	10121	46.392	43.5069	52.1685	51.8469	0.2144	0.0004438	0.0024729	Up-regulated
NM_203459	CAMSA2	23271	7.36891	7.49564	8.68718	8.51987	0.21383	0.0081023	0.0310178	Up-regulated
NM_005934	MLLT1	4298	42.2779	42.9669	51.4863	47.0958	0.21375	0.0005723	0.0031047	Up-regulated
NM_030806	C1orf21	81563	10.1737	10.4232	11.8902	11.9332	0.21366	0.0002421	0.00143	Up-regulated
NM_017813	IMPAD1	54928	14.2603	15.2742	17.2784	16.8753	0.21318	0.001388	0.0068175	Up-regulated
NM_001690	ATP6V1A	523	28.0415	26.836	31.5779	31.8477	0.21314	0.00018	0.0010933	Up-regulated
NM_198252	GSN	2934	394.505	371.836	452.994	431.955	0.2126	2.82E-06	2.44E-05	Up-regulated
NM_032582	USP32	84669	15.4404	15.324	17.2039	18.3355	0.21188	0.0009613	0.0049364	Up-regulated
NM_139279	MCFD2	90411	25.306	26.6947	30.0022	30.0524	0.21157	0.0007422	0.0039317	Up-regulated
NM_016147	PPME1	51400	23.8102	23.2575	27.7674	26.6238	0.21148	0.0077321	0.0298098	Up-regulated
NM_005967	NAB2	4665	37.7585	38.6831	44.6969	43.5454	0.21147	0.0006955	0.0037015	Up-regulated
NM_006801	KDELRL1	10945	126.293	125.507	142.781	147.714	0.21133	2.05E-05	0.0001518	Up-regulated
NM_001300905	BAZ2A	11176	14.0581	13.719	15.5579	16.5045	0.21132	0.0004968	0.0027356	Up-regulated
NM_0058243	BRD4	23476	20.6256	22.2489	25.5482	23.9757	0.21132	0.0038544	0.0164024	Up-regulated
NM_024602	HECTD3	79654	30.5162	28.405	33.7951	34.2164	0.21101	0.0015414	0.0074355	Up-regulated
NM_025201	PLEKH02	80301	27.3817	26.9981	31.5895	31.1502	0.21079	0.0004847	0.0026793	Up-regulated
NM_024881	SLC35E1	79939	25.4739	26.2033	29.9201	29.6917	0.21039	0.0001062	0.00068	Up-regulated
NM_020839	WDR48	57599	15.688	15.2646	17.9463	17.7447	0.20915	0.0067223	0.0264068	Up-regulated
NM_006353	HMGN4	10473	34.1137	34.3063	38.9049	39.9816	0.20911	0.006822	0.0267382	Up-regulated
NM_020132	AGPAT3	56894	7.7304	8.0586	9.0511	9.17044	0.20909	0.0137338	0.0483977	Up-regulated
NM_175852	TXLNA	200081	29.5621	29.3843	33.3718	34.5314	0.20845	9.05E-05	0.0005868	Up-regulated
NM_138389	FAM114A1	92689	20.0601	18.6359	23.1135	21.5103	0.20827	0.0105992	0.0389159	Up-regulated
NM_130854	PTPRS	5802	35.0758	38.8183	43.8632	41.2725	0.20796	0.0019326	0.0090262	Up-regulated
NM_001302633	CAPNS1	826	183.475	173.016	207.389	202.625	0.20728	0.0001163	0.0007386	Up-regulated
NM_024682	TBC1D17	79735	31.8517	31.3717	35.8343	36.9654	0.20724	0.0043993	0.0183295	Up-regulated
NM_002953	RPS6KA1	6195	38.435	39.3668	46.3059	43.2353	0.20701	0.0013727	0.0067528	Up-regulated
NM_170665	ATP2A2	488	23.3393	25.0422	27.7893	27.868	0.2064	0.0001674	0.0010261	Up-regulated
NM_003968	UBA3	9039	67.4667	62.7457	74.6121	75.0965	0.20572	0.001022	0.005206	Up-regulated
NM_016289	CAB39	51719	17.7646	18.3198	20.6737	20.832	0.20562	0.0052642	0.0214645	Up-regulated
NM_001204426	LIMK1	3984	28.9735	28.3529	32.4036	33.4882	0.20513	0.0018803	0.0088083	Up-regulated
NM_015638	TRPC4AP	26133	37.5678	40.1624	43.6173	45.6864	0.20433	0.002256	0.0103134	Up-regulated
NM_000701	ATP1A1	476	531.685	541.187	621.912	609.327	0.20391	2.72E-12	4.55E-11	Up-regulated
NM_015523	REXO2	25996	101.19	95.7149	115.814	110.141	0.20358	0.0040946	0.0172628	Up-regulated
NM_017644	KLHL24	54800	10.6764	10.7018	12.1431	12.4096	0.20355	0.0024672	0.0111654	Up-regulated
NM_030926	ITM2C	81618	206.556	209.587	240.194	236.941	0.20269	5.11E-09	6.29E-08	Up-regulated
NM_012433	SF3B1	23451	44.4453	46.5045	51.3442	52.9474	0.20205	8.20E-05	0.0005371	Up-regulated
NM_030790	ITFG1	81533	21.1467	20.8588	24.4776	23.7251	0.20145	0.0058508	0.0234264	Up-regulated
NM_014866	SEC16A	9919	6.52863	6.48829	7.32098	7.60965	0.20114	0.0105392	0.0387256	Up-regulated
NM_014255	CNPY2	10330	101.174	93.4822	109.378	113.61	0.20091	0.0057122	0.022976	Up-regulated
NM_148894	BOD1L1	259282	5.74362	5.93778	6.52474	6.86868	0.20004	0.0121359	0.0436358	Up-regulated
NM_003295	TPT1	7178	184.368	174.957	202.637	208.701	0.20002	5.55E-07	5.34E-06	Up-regulated
NM_001751	CARS	833	32.2579	31.3565	36.616	36.2253	0.19934	0.0042275	0.0177253	Up-regulated
NM_020765	UBR4	23352	19.7199	22.2158	24.7536	23.2738	0.19911	0.0047308	0.0195229	Up-regulated
NM_021020	LZTS1	11178	39.8427	41.3297	48.2061	44.7072	0.19908	0.0006053	0.003268	Up-regulated
NM_006145	member B1(C	3337	91.1712	86.1355	103.009	99.796	0.19865	0.000178	0.0010833	Up-regulated
NM_015164	PLEKHM2	23207	58.7127	60.6039	68.9192	67.5509	0.1986	7.34E-06	5.94E-05	Up-regulated
NM_020410	ATP13A1	57130	42.6534	44.3924	51.948	47.6167	0.19793	0.002596	0.0116491	Up-regulated
NM_000302	PLOD1	5351	236.227	244.741	281.349	268.173	0.19737	2.11E-06	1.86E-05	Up-regulated
NM_001722	POLR3D	661	34.7047	34.0018	38.7077	39.8771	0.19696	0.0123341	0.0442484	Up-regulated
NM_013446	MKRN1	23608	48.9172	49.4463	56.4379	55.9517	0.19686	8.48E-05	0.000553	Up-regulated
NM_001660	ARF4	378	187.295	180.072	206.253	213.255	0.19674	1.21E-05	9.36E-05	Up-regulated
NM_003144	SSR1	6745	19.3666	19.6102	21.7836	22.7453	0.19659	5.76E-05	0.0003896	Up-regulated
NM_0033549	TRIM41	90933	28.4171	28.0918	33.1223	31.4471	0.19648	0.0022634	0.0103338	Up-regulated
NM_015046	SETX	23064	7.47092	7.61042	8.55299	8.67219	0.19575	0.0026645	0.0119199	Up-regulated
NM_052876	NACC1	112939	38.9362	38.6076	45.5513	42.9444	0.19522	0.0003481	0.0019895	Up-regulated
NM_152221	CSNK1E	1454	103.13	99.6763	116.732	114.542	0.19475	4.50E-06	3.78E-05	Up-regulated
NM_002950	RPN1	6184	156.956	156.687	179.439	178.171	0.19465	3.18E-08	3.55E-07	Up-regulated
NM_003872	NRP2	8828	38.2455	37.3373	42.7883	43.415	0.19445	2.32E-06	2.03E-05	Up-regulated
NM_002096	GTF2F1	2962	47.0498	44.7388	52.6009	52.0849	0.19421	0.0015326	0.0074006	Up-regulated
NM_152924	ABHD2	11057	23.9481	23.9963	27.0184	27.6412	0.19399	8.57E-06	6.84E-05	Up-regulated
NM_002087	GRN	2896	341.204	351.236	403.798	385.142	0.19351	1.20E-06	1.10E-05	Up-regulated
NM_020150	SAR1A	56681	29.4683	30.7477	34.5237	34.1302	0.19306	0.0040442	0.0170768	Up-regulated
NM_031311	CPVL	54504	39.0782	38.954	44.4914	44.4533	0.19301	0.0137407	0.0484129	Up-regulated



NM_006979	SLC39A7	7922	71.7024	69.2644	80.348	80.0809	0.19152	0.0001348	0.0008459	Up-regulated
NM_006855	KDELR3	11015	111.554	104.122	120.63	124.821	0.19133	0.0012277	0.0061151	Up-regulated
NM_007114	TMF1	7110	10.675	10.4439	12.2197	11.8385	0.19129	0.0073911	0.0286745	Up-regulated
NM_005273	GNB2	2783	148.879	151.023	170.647	170.428	0.19106	7.11E-06	5.76E-05	Up-regulated
NM_130787	AP2A1	160	48.9761	47.1453	55.025	54.2717	0.19026	0.0002107	0.0012641	Up-regulated
NM_016107	ZFR	51663	24.1468	23.3684	26.228	27.8134	0.1898	0.0031253	0.0136149	Up-regulated
NM_002356	MARCKS	4082	55.6638	54.9132	63.1025	62.4936	0.18895	4.84E-06	4.05E-05	Up-regulated
NM_001099784	FBXL19	54620	47.3368	46.7112	56.2746	50.6123	0.18864	0.0056623	0.0228104	Up-regulated
NM_005186	CAPN1	823	51.1008	52.7332	56.0238	61.9101	0.18787	0.006798	0.0266659	Up-regulated
NM_012478	WBP2	23558	188.211	182.241	211.207	209.018	0.18723	1.60E-06	1.44E-05	Up-regulated
NM_021009	UBC	7316	409.762	391.345	457.759	450.788	0.18694	1.83E-07	1.88E-06	Up-regulated
NM_020470	YIF1A	10897	100.799	108.123	120.335	116.646	0.18681	0.0087353	0.0330048	Up-regulated
NM_001286760	CERCAM	51148	56.7677	56.6206	66.5435	62.058	0.18611	0.0040456	0.017079	Up-regulated
NM_002788	PSMA3	5684	134.676	136.31	149.819	157.196	0.1856	0.0036623	0.0156966	Up-regulated
NM_016333	SRRM2	23524	47.8427	52.1502	58.74	54.5247	0.1839	0.0029116	0.0128391	Up-regulated
NM_001300	KLF6	1316	63.8542	59.1763	69.6052	69.6849	0.18365	0.0003601	0.0020517	Up-regulated
NM_015338	ASXL1	171023	21.8535	22.9878	26.2643	24.5216	0.18353	0.0036531	0.0156609	Up-regulated
NM_033008	ling protein 4	57060	74.2839	70.4399	81.2348	82.5118	0.18312	0.0015561	0.0074948	Up-regulated
NM_024577	SH3TC2	79628	4.06469	4.21385	4.61667	4.75379	0.18291	0.0023166	0.0105416	Up-regulated
NM_019116	UBFD1	56061	29.2587	27.6312	32.4881	31.8678	0.18259	0.0016113	0.0077242	Up-regulated
NM_003262	SEC62	7095	19.4029	18.7684	21.1328	22.0466	0.18226	0.0019206	0.0089811	Up-regulated
NM_013374	PDCD6IP	10015	26.921	27.5685	30.283	31.3604	0.18225	0.0004306	0.0024093	Up-regulated
NM_016072	GOLT1B	51026	50.8114	48.7077	53.1548	59.4641	0.18209	0.013048	0.0463397	Up-regulated
NM_006280	SSR4	6748	296.139	286.378	324.539	333.128	0.18179	0.0012156	0.006058	Up-regulated
NM_031243	HNRNPA2B1	3181	109.885	104.289	118.435	123.634	0.18154	8.98E-05	0.0005832	Up-regulated
NM_001679	ATP1B3	483	144.711	145.384	159.162	168.636	0.18146	0.0002035	0.0012246	Up-regulated
NM_032888	COL27A1	85301	18.9392	20.4545	22.1715	22.3577	0.18089	0.0030484	0.0133409	Up-regulated
NM_001033026	TMEM259	91304	74.8271	75.8207	88.4858	81.689	0.18041	0.0021733	0.009987	Up-regulated
NM_014931	PPP6R1	22870	63.5032	62.2933	71.6515	70.3309	0.17956	3.54E-05	0.0002501	Up-regulated
NM_000404	GLB1	2720	51.9781	56.4149	61.3344	61.0517	0.17953	0.0056418	0.0227518	Up-regulated
NM_014275	cetylglucosan	11282	117.17	113.836	132.269	128.372	0.17932	3.55E-05	0.0002503	Up-regulated
NM_001193416	DDX3X	1654	48.3837	47.9636	52.9211	55.8217	0.17927	0.0002526	0.0014876	Up-regulated
NM_007260	LYPLA2	11313	118.796	115.303	129.589	134.436	0.17906	0.0006196	0.0033367	Up-regulated
NM_003370	VASP	7408	55.0399	51.8396	62.5057	58.1359	0.1789	0.0117947	0.0425292	Up-regulated
NM_004663	RAB11A	8766	29.2779	29.406	33.0791	33.1333	0.17879	0.0004051	0.0022827	Up-regulated
NM_001539	member A1(E	3301	132.506	125.028	142.799	147.698	0.17873	0.0002679	0.0015683	Up-regulated
NM_016113	TRPV2	51393	202.405	215.657	239.307	232.18	0.17844	0.0001087	0.0006954	Up-regulated
NM_003712	PLPP2	8612	102.937	102.408	115.882	115.607	0.17805	0.0017285	0.0082072	Up-regulated
NM_001271875	CUEDC1	404093	38.0922	40.5035	45.7416	42.8897	0.17772	0.0074847	0.0289964	Up-regulated
NM_001130111	ABHD17A	81926	116.758	110.069	133.624	122.168	0.17771	0.0107366	0.0393676	Up-regulated
NM_004168	SDHA	6389	54.8565	56.038	61.4551	63.5619	0.17767	0.0008974	0.0046545	Up-regulated
NM_170679	SKP1	6500	79.1051	77.1148	85.4516	90.4537	0.17609	0.0026209	0.0117444	Up-regulated
NM_002556	OSBP	5007	14.9356	15.1644	17.2288	16.6865	0.17601	0.0122914	0.0441204	Up-regulated
NM_004339	PTTG1IP	754	162.441	157.256	178.473	180.885	0.17417	1.62E-06	1.46E-05	Up-regulated
NM_006660	CLPX	10845	16.7139	17.0187	18.8872	19.0582	0.17378	0.0098881	0.0366629	Up-regulated
NM_001497	B4GALT1	2683	19.3698	19.215	21.8882	21.4751	0.17282	0.0103929	0.0382468	Up-regulated
NM_000801	FKBP1A	2280	385.798	372.297	417.514	433.43	0.17245	1.35E-05	0.000103	Up-regulated
NM_001675	ATF4	468	73.3945	73.7944	83.2326	81.9701	0.17174	0.0010799	0.0054618	Up-regulated
NM_016222	DDX41	51428	39.8088	38.8376	44.6043	43.7001	0.17138	0.0077153	0.0297569	Up-regulated
NM_001077489	GNAS	2778	118.278	119.983	127.623	139.766	0.17121	0.0052092	0.0212674	Up-regulated
NM_001242911	ZFAND6	54469	95.4588	94.5838	108.136	105.106	0.17121	0.0013625	0.0067094	Up-regulated
NM_005842	SPRY2	10253	47.4004	47.0076	52.3544	53.6142	0.17115	0.0051146	0.0209214	Up-regulated
NM_001004333	RNASEK	440400	381.107	369.76	409.095	432.183	0.1709	0.0013329	0.0065792	Up-regulated
NM_003118	SPARC	6678	551.918	554.702	626.779	613.956	0.17044	4.04E-10	5.61E-09	Up-regulated
NM_006384	CIB1	10519	113.113	113.98	129.447	125.012	0.16989	0.0117141	0.0422703	Up-regulated
NM_001731	BTG1	694	21.6637	20.6273	23.1717	24.2694	0.16983	0.0118251	0.0426143	Up-regulated
NM_002629	PGAM1	5223	370.047	355.48	400.489	412.349	0.16962	8.84E-06	7.03E-05	Up-regulated
NM_003286	DNA) I(TOP1	7150	43.8233	42.3551	47.9728	48.6243	0.16956	0.0009192	0.0047519	Up-regulated
NM_013388	PREB	10113	54.988	52.3344	61.2888	58.947	0.16864	0.0090645	0.0340467	Up-regulated
NM_001159390	GUK1	2987	188.593	175.671	208.598	199.109	0.16813	0.0097342	0.0361568	Up-regulated
NM_005082	TRIM25	7706	30.4449	30.5407	34.606	33.6655	0.16762	0.0005054	0.0027743	Up-regulated
NM_005765	ATP6AP2	10159	62.9653	62.6734	68.9236	71.7001	0.16753	0.0043635	0.0182036	Up-regulated
NM_032801	JAM3	83700	24.3124	24.5418	27.8708	26.7857	0.16598	0.0129939	0.0461733	Up-regulated
NM_006406	PRDX4	10549	211.436	204.262	233.931	230.419	0.16581	0.0021714	0.0099805	Up-regulated
NM_018083	ZNF358	140467	54.8211	53.5348	61.233	59.8827	0.1653	0.0085745	0.0325258	Up-regulated
NM_015168	ZC3H4	23211	26.3182	26.5543	30.5017	28.6023	0.16518	0.0039108	0.0166014	Up-regulated
NM_003601	SMARCA5	8467	10.886	11.1513	12.0735	12.5711	0.16509	0.0137568	0.0484519	Up-regulated
NM_004161	RAB1A	5861	143.154	134.135	155.452	154.18	0.16427	0.0004234	0.0023742	Up-regulated
NM_002812	PSMD8	5714	201.109	184.755	215.666	214.812	0.16302	0.0035025	0.015086	Up-regulated
NM_005781	TNK2	10188	39.8777	42.6026	46.2619	45.784	0.1629	0.0035049	0.0150932	Up-regulated
NM_133264	WIPF2	147179	15.7386	15.7621	17.7959	17.3612	0.16232	0.01266	0.0452223	Up-regulated
NM_024524	ATP13A3	79572	19.1357	19.0968	20.9031	21.7353	0.16184	0.0026862	0.0119919	Up-regulated
NM_002109	HARS	3035	52.6627	50.9306	58.7091	56.7843	0.16178	0.0079703	0.03058	Up-regulated
NM_001142423	MORF4L2	9643	87.823	86.5685	96.5521	97.7889	0.16158	0.001274	0.0063195	Up-regulated
NM_001428	ENO1	2023	1894.57	1829.63	2063.39	2084.07	0.16093	5.18E-07	5.01E-06	Up-regulated
NM_005742	PDIA6	10130	286.19	282.85	315.683	317.453	0.15963	6.20E-08	6.71E-07	Up-regulated
NM_006367	CAP1	10487	93.3285	94.8589	105.323	104.111	0.1596	0.0001106	0.0007059	Up-regulated
NM_030971	SFXN3	81855	57.2812	54.1416	62.48	61.5654	0.1595	0.0033596	0.0145397	Up-regulated
NM_015179	RRP12	23223	24.3423	24.6904	27.9719	26.62	0.15922	0.0114283	0.0414739	Up-regulated
NM_001330585	CC2D1B	200014	26.2749	25.3747	28.998	28.4798	0.15891	0.0035063	0.0150956	Up-regulated
NM_002824	PTMS	5763	410.04	392.78	451.106	440.713	0.15786	0.0001148	0.0007304	Up-regulated
NM_153367	ZCCHC24	219654	30.1378	31.2362	34.768	33.46	0.15754	0.0047683	0.0196565	Up-regulated
NM_031892	SH3KBP1	30011	36.057	33.5937	38.106	39.2881	0.15677	0.00795	0.0305206	Up-regulated
NM_014654	SDC3	9672	134.656	133.895	153.328	144.962	0.15658	0.000109	0.0006964	Up-regulated

NM_000521	HEXB	3074	126.118	123.684	140.127	137.23	0.15649	0.0004424	0.0024671	Up-regulated
NM_024297	PHF23	79142	62.1249	62.1516	68.258	69.7291	0.15585	0.0063033	0.0249765	Up-regulated
NM_004587	RRBP1	6238	62.0768	65.2248	73.4884	67.7813	0.15473	0.0114757	0.0416144	Up-regulated
NM_004357	lood group)(	977	229.25	228.264	258.563	248.732	0.15472	0.0001808	0.0010979	Up-regulated
NM_006009	TUBA1A	7846	318.86	306.361	355.317	337.991	0.15468	0.0003745	0.0021235	Up-regulated
NM_002794	PSMB2	5690	62.4244	61.533	65.6142	71.9259	0.15464	0.0070736	0.0276109	Up-regulated
NM_000941	POR	5447	65.5833	68.4175	75.3578	73.2434	0.15418	0.0047562	0.0196153	Up-regulated
NM_00114620	2-N-acetylgl	4245	48.0075	50.8942	54.5608	55.1389	0.15397	0.0095192	0.0354894	Up-regulated
NM_000520	HEXA	3073	101.957	97.8818	109.08	112.326	0.15322	0.0008023	0.0042036	Up-regulated
NM_007065	CDC37	11140	226.658	230.597	257.067	249.408	0.15321	0.0001028	0.0006609	Up-regulated
NM_002972	SBF1	6305	37.5668	38.3239	43.5258	40.5745	0.15293	0.0028182	0.0124965	Up-regulated
NM_015379	BRI3	25798	416.282	411.458	464.984	450.608	0.1529	0.0006022	0.0032531	Up-regulated
NM_014445	SERP1	27230	61.6678	62.5744	67.446	70.1762	0.1526	0.0019213	0.0089821	Up-regulated
NM_014742	TM9SF4	9777	36.4068	37.7844	41.3003	40.8895	0.15235	0.0046701	0.0192974	Up-regulated
NM_001892	CSNK1A1	1452	42.4278	41.6432	46.9151	46.1637	0.15169	0.0124111	0.0444745	Up-regulated
NM_018998	FBXW5	54461	106.838	102.542	119.88	111.8	0.151	0.0071016	0.0276992	Up-regulated
NM_005928	MFG8	4240	172.96	174.8	197.722	186.938	0.15073	0.000993	0.00508	Up-regulated
NM_001183	ATP6AP1	537	112.907	116.64	130.596	123.304	0.15055	0.0043669	0.0182136	Up-regulated
NM_002588	PCDHGC3	5098	52.197	50.4269	58.7286	54.7594	0.14985	0.006399	0.0253034	Up-regulated
NM_012425	RSU1	6251	42.3038	40.0942	45.4085	45.6916	0.14959	0.0066706	0.0262308	Up-regulated
NM_021626	SCPEP1	59342	85.6164	85.1878	93.1611	95.5535	0.14911	0.0036389	0.0156137	Up-regulated
NM_201432	GAS7	8522	48.4659	48.9416	54.7526	52.8898	0.14901	8.88E-05	0.0005772	Up-regulated
NM_003463	PTP4A1	7803	34.3102	33.3426	37.1706	37.5905	0.14893	0.0021988	0.0100845	Up-regulated
NM_002809	PSMD3	5709	220.845	215.079	243.923	237.445	0.14855	6.25E-05	0.0004192	Up-regulated
NM_000372	TYR	7299	417.458	421.569	452.606	473.521	0.14804	5.03E-05	0.0003448	Up-regulated
NM_001098520	HTATIP2	10553	106.925	111.692	118.429	122.654	0.14669	0.0116801	0.0421636	Up-regulated
NM_021643	TRIB2	28951	60.4709	59.9328	65.7853	66.9445	0.14566	0.000278	0.0016241	Up-regulated
NM_001658	ARF1	375	228.338	215.138	243.739	244.293	0.14353	0.0011861	0.0059326	Up-regulated
NM_004350	RUNX3	864	71.1385	71.7848	78.7824	78.4183	0.14257	0.0001413	0.0008834	Up-regulated
NM_003296	MRFAP1	93621	100.351	101.392	108.965	112.84	0.14224	0.0025147	0.0113484	Up-regulated
NM_003097	SNRPN	6638	187.643	179.691	204.785	198.993	0.14219	0.0024071	0.0109166	Up-regulated
NM_018462	BRK1	55845	236.363	223.58	260.437	245.085	0.14201	0.0130555	0.0463499	Up-regulated
NM_016224	SNX9	51429	64.6171	64.8195	72.103	70.175	0.1417	0.0005121	0.0028075	Up-regulated
NM_004371	COPA	1314	66.422	66.6711	73.7087	72.5371	0.14108	5.81E-05	0.0003927	Up-regulated
NM_003128	SPTBN1	6711	82.3011	86.7596	93.0597	92.6058	0.14011	0.000315	0.0018171	Up-regulated
NM_001143963	LICAM	3897	108.858	115.26	126.795	119.33	0.13995	0.0058089	0.0232734	Up-regulated
NM_002797	PSMB5	5693	141.168	136.289	151.943	152.293	0.13875	0.0084472	0.0321389	Up-regulated
NM_000942	PIIB	5479	764.519	760.441	838.481	832.159	0.13832	2.68E-06	2.33E-05	Up-regulated
NM_013241	FHOD1	29109	67.6373	72.5461	78.3508	75.2865	0.13698	0.0131434	0.0466352	Up-regulated
NM_198589	lood group)(	682	716.126	710.022	805.934	755.752	0.13663	0.0010599	0.0053744	Up-regulated
NM_174983	MFSD12	126321	985.397	987.747	1113.3	1045.81	0.13544	0.0009099	0.0047115	Up-regulated
NM_013336	SEC61A1	29927	115.749	118.111	130.097	125.86	0.13543	0.0004438	0.0024729	Up-regulated
NM_002577	ivated kinase	5062	21.5258	22.1038	23.9908	23.749	0.13484	0.012854	0.0457701	Up-regulated
NM_002074	GNB1	2782	160.93	161.833	176.212	176.454	0.13321	1.87E-05	0.0001392	Up-regulated
NM_006825	CKAP4	10970	63.2773	65.6	70.0934	70.6522	0.13223	0.0065629	0.0258603	Up-regulated
NM_005801	EIF1	10209	391.924	387.368	423.465	425.669	0.13003	8.43E-05	0.00055	Up-regulated
NM_005506	SCARB2	950	114.98	116.835	124.705	127.817	0.12869	0.0001355	0.0008497	Up-regulated
NM_016128	COPG1	22820	84.6054	82.3209	89.4158	92.1538	0.12662	0.0043678	0.0182136	Up-regulated
NM_003170	SUPT6H	6830	48.9716	50.4442	55.2298	52.9308	0.12652	0.0046102	0.0191038	Up-regulated
NM_000041	APOE	348	548.007	536.751	597.75	580.165	0.12521	0.000377	0.0021352	Up-regulated
NM_004911	PDIA4	9601	158.482	156.707	171.192	171.119	0.12453	0.0001232	0.0007784	Up-regulated
NM_003870	IQGAP1	8826	59.8167	59.5873	63.3627	66.3249	0.12436	0.0015827	0.0076075	Up-regulated
NM_002808	PSMD2	5708	165.311	162.242	175.183	180.311	0.12355	0.0005021	0.0027609	Up-regulated
NM_013286	RBM15B	29890	24.9491	25.2314	27.3057	27.1436	0.12269	0.0104928	0.0385626	Up-regulated
NM_002211	ITGB1	3688	89.365	90.0195	97.6936	96.7328	0.12144	0.0007529	0.0039803	Up-regulated
NM_003012	SFRP1	6422	107.431	107.752	115.982	116.752	0.11855	0.0001773	0.0010801	Up-regulated
NM_001909	CTSD	1509	1572.17	1568.81	1743.63	1632.93	0.10991	0.0097021	0.0360518	Up-regulated
NM_012248	SEPHS2	22928	113.546	110.919	121.482	119.543	0.10811	0.0108604	0.0397149	Up-regulated
NM_003133	CNP	1267	69.5572	68.7226	73.899	74.2421	0.10472	0.0028163	0.0124938	Up-regulated
NM_001746	CANX	821	187.471	185.473	195.888	199.167	0.08851	0.0016502	0.0078765	Up-regulated
NM_005561	LAMP1	3916	234.399	231.89	246.508	244.265	0.07952	0.0097006	0.0360518	Up-regulated
NM_005754	G3BP1	10146	183.963	186.904	171.8	175.93	-0.087	0.0126522	0.045203	Down-regulated
NM_002819	PTBP1	5725	115.907	115.325	107.282	108.485	-0.094	0.0086112	0.0326315	Down-regulated
NM_001001391	lood group)	960	111.11	114.451	105.973	104.29	-0.0955	0.0084229	0.0320526	Down-regulated
NM_203504	G3BP2	9908	68.8952	68.6372	62.5294	64.0891	-0.1133	0.0050657	0.0207365	Down-regulated
NM_015276	USP22	23326	113.038	116.071	104.199	106.322	-0.1163	0.0008426	0.0043978	Down-regulated
NM_153649	TPM3	7170	176.162	170.734	162.02	156.625	-0.1165	0.0024762	0.0112001	Down-regulated
NM_000986	RPL24	6152	2555.17	2382.89	2277.31	2225.37	-0.123	0.0086442	0.0327196	Down-regulated
NM_014292	CBX6	23466	52.7464	55.1472	49.4332	49.2264	-0.1232	0.0045357	0.0188275	Down-regulated
NM_018243	11-Sep	55752	34.5726	34.7868	31.6744	31.536	-0.128	0.0059337	0.0237087	Down-regulated
NM_004134	member 9(F	3313	179.237	176.6	161.098	162.74	-0.1301	2.76E-05	0.0001994	Down-regulated
NM_025250	TTYH3	80727	77.3079	79.4205	73.0984	69.3955	-0.1313	0.0041412	0.0174119	Down-regulated
NM_015027	PDXDC1	23042	34.6038	34.1219	31.2305	31.2126	-0.1322	0.0095827	0.0356773	Down-regulated
NM_001923	DDB1	1642	54.6425	55.4199	50.4872	49.4644	-0.1329	0.0027087	0.0120726	Down-regulated
NM_015411	SUMF2	25870	84.9176	85.4303	78.4189	76.2147	-0.1331	0.0111521	0.0406339	Down-regulated
NM_006513	SARS	6301	106.674	105.117	96.9873	95.0996	-0.134	0.0058495	0.0234261	Down-regulated
NM_001042465	PSAP	5660	108.002	115.154	100.127	102.302	-0.1344	0.0079621	0.0305546	Down-regulated
NM_005051	QARS	5859	93.3849	91.5378	82.6918	84.9434	-0.1354	0.0022933	0.0104528	Down-regulated
NM_005334	HCFC1	3054	23.9091	24.5937	22.3029	21.6452	-0.136	0.0058785	0.0235227	Down-regulated
NM_004145	MYO9B	4650	53.8068	56.5482	50.1137	49.7599	-0.138	0.0011763	0.0058881	Down-regulated
NM_013291	CPSF1	29894	50.8234	52.1722	48.0783	44.9377	-0.1409	0.0110305	0.0402366	Down-regulated
NM_001540	member 1(H	3315	1585.07	1499.25	1412.15	1370.03	-0.141	0.0006715	0.0035868	Down-regulated
NM_152713	STT3A	3703	35.9358	37.2567	33.2228	32.8222	-0.1419	0.0100507	0.0371808	Down-regulated
NM_001207	BTF3	689	423.284	405.891	363.741	383.746	-0.1419	0.0047757	0.0196742	Down-regulated

NM_000981	RPL19	6143	2664.32	2516.21	2302.02	2365.3	-0.142	0.0007897	0.0041535	Down-regulated
NM_004583	RAB5C	5878	221.626	207.717	194.014	192.988	-0.1431	0.0032999	0.0143007	Down-regulated
NM_006761	YWHAE	7531	683.024	642.831	592.249	601.767	-0.1446	0.0004091	0.0023017	Down-regulated
NM_007107	SSR3	6747	61.0039	60.9014	53.91	55.8322	-0.1455	0.0009494	0.004887	Down-regulated
NM_021104	RPL41	6171	9681.38	8809.93	8190.93	8364.57	-0.1468	0.0086515	0.0327399	Down-regulated
NM_007103	NDUFV1	4723	107.74	105.708	97.0909	94.6895	-0.147	0.00627	0.0248756	Down-regulated
NM_007040	HNRNPUL1	11100	50.865	55.0021	48.2195	46.9414	-0.1472	0.0139332	0.0489828	Down-regulated
NM_003768	PEA15	8682	96.8585	89.5416	85.0227	82.4625	-0.1474	0.0127103	0.0453512	Down-regulated
NM_005717	ARPC5	10092	112.982	105.31	97.864	98.2637	-0.1477	0.0082212	0.0313984	Down-regulated
NM_004309	ARHGDI1A	396	227.594	226.351	205.871	201.584	-0.1495	3.90E-05	0.0002731	Down-regulated
NM_000876	IGF2R	3482	29.6736	30.1997	27.1283	26.6309	-0.1498	3.51E-05	0.0002479	Down-regulated
NM_017895	DDX27	55661	66.6283	65.2176	59.8272	58.4216	-0.1505	0.003561	0.0153107	Down-regulated
NM_000989	RPL30	6156	1812.92	1671.41	1551.62	1563.49	-0.151	0.0040276	0.0170367	Down-regulated
NM_012323	MAFF	23764	78.0073	73.882	69.4891	66.6291	-0.1512	0.0095956	0.0357115	Down-regulated
NM_000979	RPL18	6141	1064.07	988.168	906.996	930.23	-0.1517	0.001814	0.0085476	Down-regulated
NM_005716	GIPC1	10755	111.929	111.084	102.122	97.6884	-0.1519	0.0027661	0.0122881	Down-regulated
NM_001810	CENPB	1059	58.916	57.1505	52.7529	51.2229	-0.1521	0.0053982	0.0219407	Down-regulated
NM_002293	LAMC1	3915	48.2658	48.6511	43.3524	43.4574	-0.1532	1.35E-05	0.000103	Down-regulated
NM_001862	COX5B	1329	1296.74	1205.8	1124.2	1105.92	-0.1547	0.0044857	0.0186525	Down-regulated
NR_036625	VDAC1	7416	135.773	126.889	113.575	121.221	-0.1548	0.0104572	0.0384388	Down-regulated
NR_026712	RPL13AP5	728658	11207.8	10443.1	9899.09	9422.8	-0.155	0.0020372	0.0094571	Down-regulated
NM_014014	SNRNP200	23020	63.9745	65.2281	58.1924	57.3414	-0.1555	9.73E-06	7.68E-05	Down-regulated
NM_014298	QPRT	23475	185.176	180.953	162.87	164.364	-0.1558	1.75E-05	0.0001313	Down-regulated
NM_001023	RPS20	6224	1276.58	1204.23	1092.86	1121.27	-0.156	0.0003343	0.0019192	Down-regulated
NM_002959	SORT1	6272	23.5902	24.1498	21.0581	21.5983	-0.156	0.0027127	0.0120878	Down-regulated
NM_006390	IPO8	10526	33.2766	31.8702	28.9069	29.283	-0.1563	0.0031276	0.0136219	Down-regulated
NM_003769	SRSF9	8683	198.259	189.864	178.682	167.487	-0.1573	0.0087543	0.0330569	Down-regulated
NM_003088	FSCN1	6624	151.034	151.266	136.697	133.207	-0.1575	1.87E-05	0.0001391	Down-regulated
NM_005146	SART1	9092	31.6345	31.0654	28.531	27.422	-0.1575	0.0131199	0.0465604	Down-regulated
NM_002212	EIF6	3692	214.002	206.424	187.637	187.283	-0.1579	0.0017284	0.0082072	Down-regulated
NM_001177413	RPS27A	6233	700.573	692.085	606.89	634.428	-0.158	0.0001083	0.0006925	Down-regulated
NM_001697	ATP5O	539	330.749	305.199	288.448	277.957	-0.1584	0.0133779	0.0473442	Down-regulated
NM_198976	NELFCD	51497	86.3201	84.016	75.3617	76.4623	-0.1593	0.0013943	0.0068434	Down-regulated
NM_004958	MTOR	2475	16.5652	17.5532	15.4508	14.9548	-0.1598	0.0090228	0.0339166	Down-regulated
NM_133631	ROBO1	6091	21.1103	21.3517	18.1636	19.6348	-0.1615	0.0093013	0.0348198	Down-regulated
NM_003339	UBE2D2	7322	39.0494	37.6616	34.292	33.916	-0.1623	0.0140327	0.0492962	Down-regulated
NM_001747	CAPG	822	311.319	316.15	290.838	266.955	-0.1627	0.0022162	0.0101475	Down-regulated
NM_052932	TMEM123	114908	66.1883	65.2712	57.7225	59.2021	-0.1628	0.0003125	0.001805	Down-regulated
NM_016045	PRELID3B	51012	38.6342	38.6807	34.3024	34.3961	-0.1637	0.0126332	0.0451522	Down-regulated
NM_003754	EIF3F	8665	131.248	138.086	122.032	117.073	-0.164	0.0085626	0.0325002	Down-regulated
NM_021130	PPIA	5478	488.228	456.073	412.864	425.473	-0.1652	0.0002452	0.0014469	Down-regulated
NM_001628	AKR1B1	231	192.899	179.848	164.616	166.13	-0.1653	0.0024892	0.0112517	Down-regulated
NM_001695	ATP6V1C1	528	25.438	23.6135	21.754	21.7736	-0.1653	0.0095494	0.0355813	Down-regulated
NM_004356	CD81	975	346.834	351.113	301.935	317.431	-0.1656	7.94E-05	0.0005219	Down-regulated
NM_178167	ZNF598	90850	36.9727	37.0733	32.5071	33.1392	-0.1669	0.0043285	0.0180893	Down-regulated
NM_021029	RPL36A	6173	761.576	715.391	634.516	673.364	-0.1671	0.0017275	0.0082067	Down-regulated
NM_016139	CHCHD2	51142	561.337	511.24	478.923	470.978	-0.1672	0.0033805	0.0146134	Down-regulated
NM_002386	MC1R	4157	88.4654	87.8088	80.8637	75.2048	-0.1688	0.0016114	0.0077242	Down-regulated
NM_007359	CASC3	22794	24.3073	24.1584	21.4038	21.4991	-0.169	0.0077656	0.029921	Down-regulated
NM_003483	HMGA2	8091	44.2838	43.302	38.5412	38.9826	-0.1696	0.000628	0.0033781	Down-regulated
NM_000967	RPL3	6122	1352.83	1287.7	1162.49	1170.55	-0.1717	2.09E-06	1.85E-05	Down-regulated
NM_001002	RPLP0	6175	677.3	640.777	579.985	584.293	-0.1719	2.53E-05	0.0001844	Down-regulated
NM_012105	BACE2	25825	42.9614	42.2556	37.252	38.0726	-0.1721	3.37E-06	2.88E-05	Down-regulated
NM_016462	TMEM14C	51522	100.643	103.295	90.3827	89.5432	-0.1724	0.0091474	0.0343243	Down-regulated
NM_006109	PRMT5	10419	49.647	50.3352	45.2236	43.0651	-0.1724	0.0061356	0.0244031	Down-regulated
NM_016019	LUC7L2	51631	68.7873	68.4806	60.0489	61.2159	-0.1725	0.0004945	0.0027253	Down-regulated
NM_018060	IARS2	55699	50.4539	52.368	43.7877	46.989	-0.1728	0.0047894	0.0197263	Down-regulated
NM_004501	HNRNPU	3192	35.1899	31.6212	29.696	29.2763	-0.1731	0.0085248	0.0323826	Down-regulated
NM_001092	ABR	29	29.3165	31.1085	25.8615	27.4391	-0.1737	0.007855	0.0301984	Down-regulated
NM_002634	PHB	5245	197.142	191.145	167.046	175.544	-0.1739	0.0002025	0.0012188	Down-regulated
NM_198241	EIF4G1	1981	94.8874	100.125	89.4688	82.5618	-0.1744	0.0017761	0.0083918	Down-regulated
NM_199141	CARM1	10498	58.0515	60.4996	53.3029	51.086	-0.1767	0.0020685	0.0095815	Down-regulated
NM_016142	HSD17B12	51144	66.7202	65.8119	56.5644	60.1183	-0.1767	0.0025591	0.0115134	Down-regulated
NM_005850	SFB4	10262	47.8688	46.5083	41.6751	41.3935	-0.1769	0.0114498	0.0415362	Down-regulated
NM_018127	ELAC2	60528	27.0001	27.6869	24.4549	23.6899	-0.177	0.0071319	0.0277987	Down-regulated
NM_031263	HNRNPK	3190	66.2509	69.5474	61.8744	57.6417	-0.1773	0.0043996	0.0183295	Down-regulated
NM_001009	RPS5	6193	1144.69	1076.79	972.813	979.774	-0.1775	6.37E-05	0.0004265	Down-regulated
NM_000183	otein), beta st	3032	77.1511	77.1353	67.9249	67.8607	-0.1776	0.0005876	0.0031805	Down-regulated
NM_016057	COPZ1	22818	116.312	109.63	97.6025	101.141	-0.1779	0.0016144	0.0077357	Down-regulated
NM_000714	TSPO	706	239.981	249.146	209.727	219.995	-0.1782	0.0027233	0.0121293	Down-regulated
NM_018206	VPS35	55737	27.5793	28.6157	24.1023	25.3281	-0.1782	0.0037345	0.0159598	Down-regulated
NM_016016	SLC25A39	51629	96.2289	98.611	83.4143	87.8771	-0.1786	0.0034771	0.0149867	Down-regulated
NM_001190836	DCTN1	1639	46.4656	46.7697	42.224	39.7849	-0.1786	0.0009217	0.004761	Down-regulated
NM_001253383	RPL15	6138	312.101	277.564	253.548	264.702	-0.1789	0.0053053	0.0216043	Down-regulated
NM_000980	RPL18A	6142	7452.78	6872.76	6292.83	6275.24	-0.1796	0.0002075	0.0012459	Down-regulated
NM_002948	RPL15	6138	166.056	159.898	141.984	144.536	-0.1796	1.36E-05	0.0001041	Down-regulated
NM_016070	MRPS23	51649	62.2925	62.4912	54.6239	54.8935	-0.18	0.0115472	0.0417864	Down-regulated
NM_003801	GPAA1	8733	81.4682	80.2644	73.6408	68.3609	-0.1805	0.0040015	0.0169412	Down-regulated
NM_002537	OAZ2	4947	49.6237	47.968	43.6276	42.0042	-0.181	0.0124785	0.044666	Down-regulated
NM_001961	EEF2	1938	892.699	864.981	775.113	768.816	-0.1811	1.47E-09	1.91E-08	Down-regulated
NM_003592	CUL1	8454	44.3449	42.3781	36.7721	39.3367	-0.1811	0.006365	0.0251791	Down-regulated
NM_020131	UBQLN4	56893	28.5859	27.441	24.5667	24.6039	-0.1812	0.0064429	0.0254559	Down-regulated
NM_016304	RSL24D1	51187	112.151	107.78	97.4041	95.5022	-0.1817	0.0017655	0.0083603	Down-regulated
NM_014739	BCLAF1	9774	10.5055	10.8063	9.37792	9.31505	-0.1821	0.0126928	0.0453113	Down-regulated

NM_002444	MSN	4478	168.947	168.059	144.795	150.928	-0.1825	4.01E-07	3.93E-06	Down-regulated
NM_006016	CD164	8763	83.9185	88.2478	72.505	78.4862	-0.1826	0.0021568	0.0099257	Down-regulated
NM_033504	TMEM54	113452	113.792	109.602	100.968	94.6457	-0.183	0.0127757	0.0455598	Down-regulated
NM_000903	dehydrogen	1728	175.398	174.52	149.61	157.222	-0.1832	1.03E-05	8.11E-05	Down-regulated
NM_023080	C8orf33	65265	52.005	50.488	44.8356	45.0068	-0.1835	0.0016445	0.0078554	Down-regulated
NM_020383	XPNPEP1	7511	41.797	43.2214	38.3896	36.0924	-0.1837	0.0096986	0.0360518	Down-regulated
NM_006612	KIF1C	10749	43.8393	45.1004	40.3353	37.5789	-0.1846	0.0003668	0.0020853	Down-regulated
NM_001098	ACO2	50	64.009	64.3587	57.5794	54.8056	-0.1847	0.0008041	0.0042114	Down-regulated
NM_006247	PPP5C	5536	48.9967	49.6496	42.6179	43.7324	-0.185	0.0041231	0.0173487	Down-regulated
NM_016320	NUP98	4928	17.8595	18.4623	15.9299	15.8624	-0.1857	0.0015912	0.0076395	Down-regulated
NM_005917	MDH1	4190	141.813	141.742	118.7	129.23	-0.186	0.0020886	0.0096604	Down-regulated
NM_006412	AGPAT2	10555	59.1105	58.6165	50.3859	52.5185	-0.186	0.0121765	0.0437489	Down-regulated
NM_153712	TTL	150465	26.1795	26.1836	22.3627	23.4468	-0.1863	0.0016146	0.0077357	Down-regulated
NM_012264	TMEM184B	25829	54.9861	55.4975	48.9384	47.6982	-0.1869	0.0001179	0.0007479	Down-regulated
NM_004492	GTF2A2	2958	58.9083	56.4181	49.5799	51.1944	-0.1871	0.013312	0.0471283	Down-regulated
NM_014366	GNL3	26354	93.789	91.1517	77.8746	83.6755	-0.1874	0.0020883	0.0096604	Down-regulated
NM_003626	PPF1A1	8500	32.7515	33.381	28.6745	29.1206	-0.1882	0.0001792	0.00109	Down-regulated
NM_031902	MRPS5	64969	29.6508	27.319	25.1298	24.6057	-0.1886	0.0122403	0.0439532	Down-regulated
NM_014501	UBE2S	27338	309.101	293.792	264.585	261.658	-0.189	5.15E-05	0.0003522	Down-regulated
NM_018198	member C11(I	55735	35.7949	35.7712	32.4128	30.0216	-0.189	0.0063614	0.0251741	Down-regulated
NM_000993	RPL31	6160	3103.32	2941.36	2617.49	2638.8	-0.1901	7.06E-06	5.73E-05	Down-regulated
NM_001024	RPS21	6227	5850.92	5456.74	5039.77	4769.09	-0.1901	0.0002542	0.0014966	Down-regulated
NM_017590	ZC3H7B	23264	31.4635	32.6087	29.3561	26.4687	-0.1918	0.0057472	0.0230744	Down-regulated
NM_015360	SKIV2L2	23517	19.7743	19.0002	16.7184	17.0564	-0.1919	0.0091329	0.0342833	Down-regulated
NM_005617	RPS14	6208	2418.75	2240.7	1988.36	2059.94	-0.1922	0.0002255	0.0013407	Down-regulated
NM_022765	MICAL1	64780	57.9332	58.0903	51.8406	49.1829	-0.1931	0.0001966	0.001187	Down-regulated
NM_005184	CALM3	808	225.858	224.592	199.592	192.636	-0.1933	1.44E-07	1.50E-06	Down-regulated
NM_002512	NME2	4831	1165.91	1088.16	953.431	1005.04	-0.1942	0.0001845	0.0011175	Down-regulated
NM_015382	HECTD1	25831	7.78044	8.02855	6.72421	7.01467	-0.1947	0.0121797	0.0437523	Down-regulated
NM_004252	SLC9A3R1	9368	43.377	42.4099	37.5244	36.9923	-0.1947	0.007481	0.0289878	Down-regulated
NM_001144072	UBAC2	337867	26.4016	25.7886	22.6369	22.7	-0.1953	0.0135486	0.0478421	Down-regulated
NM_001028	RPS25	6230	2199.45	2017.09	1775.39	1873.4	-0.1958	0.0014541	0.0070891	Down-regulated
NM_001398	ECH1	1891	158.252	150.796	134.973	133.429	-0.1959	0.0004753	0.0026344	Down-regulated
NM_005316	GTF2H1	2965	25.429	23.8497	21.5188	21.261	-0.196	0.0114197	0.0414505	Down-regulated
NM_032271	TRAF7	84231	42.1728	40.8808	36.3505	35.8076	-0.1961	0.0003639	0.002071	Down-regulated
NM_032353	VPS25	84313	185.543	175.342	152.629	160.401	-0.1969	0.0017119	0.0081449	Down-regulated
NM_004227	CYTH3	9265	36.7873	36.0363	32.9431	30.2607	-0.1972	0.0024384	0.0110458	Down-regulated
NM_004046	ATP5A1	498	264.533	251.914	226.835	221.245	-0.1982	3.40E-06	2.90E-05	Down-regulated
NM_005720	ARPC1B	10095	760.227	732.745	652.877	642.172	-0.1985	4.49E-09	5.56E-08	Down-regulated
NM_006924	SRSF1	6426	47.2439	45.3996	40.2254	40.0921	-0.1998	1.19E-05	9.21E-05	Down-regulated
NM_004461	FARSA	2193	118.102	116.931	102.425	101.197	-0.1998	2.37E-05	0.0001734	Down-regulated
NM_007363	NONO	4841	390.275	378.219	336.226	329.992	-0.1999	4.84E-10	6.65E-09	Down-regulated
NM_016404	evisiae)(TRM	51504	150.922	137.154	124.264	125.073	-0.2002	0.0034113	0.0147365	Down-regulated
NM_003341	UBE2E1	7324	80.0122	75.932	68.5049	66.5177	-0.2004	0.0014213	0.0069518	Down-regulated
NM_005610	RBBP4	5928	11.7737	11.1053	9.64258	10.159	-0.2007	0.0072123	0.0280834	Down-regulated
NM_012138	AATF	26574	49.9093	49.3608	44.5559	41.3427	-0.201	0.0059075	0.023624	Down-regulated
NM_002410	6-N-acetyl-gl	4249	29.0735	31.2318	26.5858	25.6295	-0.2012	0.0004683	0.0026003	Down-regulated
NM_006295	VARS	7407	72.5618	70.584	62.6307	61.2798	-0.2021	1.56E-06	1.41E-05	Down-regulated
NM_138769	RHOT2	89941	44.495	45.7991	39.0275	39.0626	-0.2021	0.0013592	0.0066953	Down-regulated
NM_001415	EIF2S3	1968	66.8458	66.9958	57.9657	57.8504	-0.2023	4.23E-06	3.57E-05	Down-regulated
NM_014402	UQCRCQ	27089	129.074	120.957	101.768	114.243	-0.2024	0.0093429	0.0349482	Down-regulated
NM_000992	RPL29	6159	2215.61	1998.63	1805.01	1831.97	-0.203	0.0003537	0.002018	Down-regulated
NM_014874	MFN2	9927	33.8715	37.8884	31.5833	30.3972	-0.2038	0.0066147	0.0260484	Down-regulated
NM_001003703	ATP5J	522	80.211	78.0969	69.1205	67.3494	-0.2056	0.0039183	0.0166225	Down-regulated
NM_005548	KARS	3735	70.5864	67.5509	62.7658	56.2755	-0.2059	0.0084029	0.0319955	Down-regulated
NM_013341	OLA1	29789	17.7455	16.7389	14.8163	14.913	-0.206	0.0085349	0.0324016	Down-regulated
NM_001142864	PIEZO1	9780	25.1034	26.9741	23.0894	21.8339	-0.2061	0.001026	0.0052237	Down-regulated
NM_019037	EXOSC4	54512	223.049	210.485	195.126	178.32	-0.2064	0.0046697	0.0192974	Down-regulated
NR_024241	FAM86DP	692099	27.5198	27.8181	23.3453	24.3139	-0.2066	0.0113325	0.0411731	Down-regulated
NM_001284254	GUCD1	83606	34.4783	31.63	29.3936	27.5588	-0.207	0.007236	0.02817	Down-regulated
NM_001012	RPS8	6202	1839.97	1685.41	1495.69	1538.55	-0.2071	0.0001043	0.0006697	Down-regulated
NM_022551	RPS18	6222	3492.99	3275.95	2874.7	2943.71	-0.2073	6.84E-06	5.56E-05	Down-regulated
NM_005697	SCAMP2	10066	51.5566	51.7836	44.2243	44.8199	-0.2074	0.0004358	0.0024346	Down-regulated
NM_032620	hondrial)(GT	84705	36.7364	36.391	29.782	33.191	-0.2075	0.0126916	0.0453113	Down-regulated
NM_001037283	EIF3B	8662	55.9983	60.1073	50.4191	49.6438	-0.2076	0.0006536	0.0034973	Down-regulated
NM_012111	AHSA1	10598	114.895	113.481	100.383	96.3824	-0.2076	0.0003855	0.0021801	Down-regulated
NM_004546	NDUFB2	4708	1063.54	978.02	871.376	880.883	-0.2077	0.0007943	0.0041707	Down-regulated
NM_000978	RPL23	9349	2106.23	1946.03	1695.85	1786.13	-0.2079	0.0002139	0.001281	Down-regulated
NM_006284	TAI10	6881	182.679	170.578	157.326	146.424	-0.2079	0.0079011	0.030345	Down-regulated
NM_015155	LARP4B	23185	8.33855	8.17901	7.19623	7.02346	-0.2079	0.0064704	0.025547	Down-regulated
NM_001040118	ARAP1	116985	16.6824	15.73	13.9658	13.9267	-0.2088	0.0052347	0.0213546	Down-regulated
NM_021008	DEAF1	10522	51.268	47.151	43.5164	41.1483	-0.2094	0.0042098	0.017663	Down-regulated
NM_002660	PLCG1	5335	45.6716	42.228	37.7344	37.9294	-0.2097	0.0002314	0.0013724	Down-regulated
NM_014891	PDAP1	11333	75.7071	76.4101	65.6625	65.2797	-0.2098	9.60E-06	7.58E-05	Down-regulated
NM_015375	DSTYK	25778	64.08	61.9605	55.1001	53.4062	-0.21	7.59E-08	8.12E-07	Down-regulated
NM_021807	EXOC4	60412	26.8619	27.1752	22.9486	23.5414	-0.2102	0.0006756	0.0036027	Down-regulated
NM_001085365	MZT2A	653784	179.614	171.801	149.953	151.599	-0.2104	0.0062543	0.0248183	Down-regulated
NM_001833	CLTA	1211	139.307	132.766	117.146	116.584	-0.2105	0.0006721	0.0035891	Down-regulated
NM_004990	MARS	4141	79.6486	78.8715	70.6285	65.7036	-0.2106	0.0001661	0.00102	Down-regulated
NM_003575	ZNF282	8427	20.3964	21.6796	18.2802	17.8434	-0.2116	0.0076634	0.0296048	Down-regulated
NM_144723	ZMAT2	153527	54.7572	51.8089	46.3141	45.1367	-0.2118	0.0069176	0.0270849	Down-regulated
NM_001003713	ATP5J2	9551	734.191	667.739	573.427	625.386	-0.2118	0.0099216	0.0367672	Down-regulated
NM_001358	DHX15	1665	54.5861	53.8278	45.6542	47.496	-0.2122	0.0001158	0.0007359	Down-regulated
NM_001154	ANXA5	308	686.264	654.647	566.471	585.42	-0.2123	9.15E-08	9.71E-07	Down-regulated

NM_001079675	ETV4	2118	100.716	104.975	88.3786	88.2842	-0.2126	9.85E-06	7.77E-05	Down-regulated
NM_006360	EIF3M	10480	100.763	95.3572	86.2165	82.1458	-0.2127	0.0006998	0.0037213	Down-regulated
NM_015103	PLXND1	23129	14.9612	16.0005	13.7349	12.841	-0.2128	0.0049678	0.0203735	Down-regulated
NM_006824	EBNA1BP2	10969	103.581	97.4851	87.6588	84.8602	-0.2129	0.0014944	0.0072434	Down-regulated
NM_001533	HNRNPL	3191	92.0992	93.7146	82.4902	77.0229	-0.213	0.0002857	0.0016623	Down-regulated
NM_020151	STARD7	56910	73.4046	71.3673	60.0811	64.1906	-0.2134	8.58E-05	0.0005593	Down-regulated
NM_004092	ECHS1	1892	167.533	164.336	145.649	139.067	-0.2136	6.02E-05	0.0004043	Down-regulated
NM_001008938	CKAP5	9793	19.0609	19.6854	16.7322	16.5244	-0.2137	0.0002652	0.0015545	Down-regulated
NM_012249	RHOQ	23433	75.0152	74.2577	61.925	66.2088	-0.2139	1.23E-05	9.53E-05	Down-regulated
NM_002094	GSPT1	2935	18.3885	16.1866	14.382	15.2546	-0.214	0.0121131	0.0435783	Down-regulated
NM_014856	DENND4B	9909	16.5309	17.2361	15.16	13.7981	-0.214	0.0078162	0.0300613	Down-regulated
NM_001017	RPS13	6207	2363.84	2257.83	1935.98	2015.93	-0.2145	2.90E-06	2.51E-05	Down-regulated
NM_001004	RPLP2	6181	3348.07	3042.47	2697.16	2761.61	-0.2148	0.0002012	0.0012113	Down-regulated
NM_005998	CCT3	7203	209.356	197.462	170.906	177.83	-0.2154	9.51E-06	7.52E-05	Down-regulated
NM_005499	UBA2	10054	49.0362	46.9393	40.6868	41.541	-0.2155	0.0005436	0.0029641	Down-regulated
NM_001025091	ABCF1	23	45.6804	45.4182	40.6666	37.3911	-0.2158	0.0009124	0.0047233	Down-regulated
NM_001626	AKT2	208	28.9295	31.9182	27.3178	24.7804	-0.2158	0.0082214	0.0313984	Down-regulated
NM_004094	EIF2S1	1965	30.0372	28.2875	23.8163	26.0852	-0.2168	0.0046102	0.0191038	Down-regulated
NM_005968	HNRNPM	4670	79.8235	76.4021	67.5448	66.2022	-0.217	3.92E-05	0.0002742	Down-regulated
NM_014593	CXXC1	30827	25.7008	23.9016	21.8048	20.6031	-0.2171	0.0129404	0.0460089	Down-regulated
NM_012473	TXN2	25828	72.1876	68.4343	61.3295	58.8532	-0.2178	0.0055384	0.0223917	Down-regulated
NM_006453	TBL3	10607	30.2179	30.203	25.9222	25.7277	-0.2182	0.0034402	0.014848	Down-regulated
NM_001867	COX7C	1350	2689.51	2436.45	2138.07	2218.54	-0.2184	0.0012506	0.0062193	Down-regulated
NM_005662	VDAC3	7419	73.0907	68.8925	62.243	59.0681	-0.2185	0.003562	0.0153113	Down-regulated
NM_015959	TMX2	51075	47.5419	44.3943	39.1175	39.4384	-0.2186	0.0085654	0.0325002	Down-regulated
NM_004930	CAPZB	832	120.743	116.002	102.887	99.5397	-0.2187	4.29E-05	0.0002972	Down-regulated
NM_005189	CBX2	84733	17.2178	18.4562	14.9923	15.4856	-0.2192	0.0076193	0.029464	Down-regulated
NM_000987	RPL26	6154	1650.02	1572.34	1326.46	1420.74	-0.2193	4.47E-05	0.0003088	Down-regulated
NM_001686	ATP5B	506	592.104	570.301	497.586	496.401	-0.2193	3.50E-11	5.37E-10	Down-regulated
NM_001317724	NOL7	51406	128.071	122.237	107.352	106.166	-0.2199	0.0028217	0.0125093	Down-regulated
NM_000976	RPL12	6136	1922.44	1776.58	1565.95	1589.19	-0.2199	9.43E-06	7.47E-05	Down-regulated
NM_006098	RACK1	10399	1186.84	1141.53	990.113	998.839	-0.2201	1.00E-10	1.47E-09	Down-regulated
NM_017801	CMTM6	54918	34.7902	32.7762	27.5133	30.1445	-0.2204	0.0049181	0.0202042	Down-regulated
NM_006320	PGRMC2	10424	22.5571	22.6228	19.2371	19.3112	-0.2209	0.0015796	0.0075968	Down-regulated
NM_001080453	INTS1	26173	29.9717	30.0766	26.8111	24.4544	-0.2211	0.0003929	0.0022171	Down-regulated
NM_023018	NADK	65220	51.6078	49.6659	44.4808	41.9313	-0.2214	0.0002805	0.0016365	Down-regulated
NM_003676	DEGS1	8560	40.2976	39.8577	33.3256	35.0505	-0.2214	0.0041213	0.0173447	Down-regulated
NM_002792	PSMA7	5688	863.433	834.467	722.278	726.5	-0.2215	1.40E-10	2.05E-09	Down-regulated
NM_012341	GTPBP4	23560	33.981	35.8825	28.9602	30.5893	-0.2219	0.0049977	0.0204872	Down-regulated
NM_001762	CCT6A	908	126.318	118.215	102.567	105.985	-0.2228	1.79E-05	0.0001342	Down-regulated
NM_007140	RPL10A	4736	1078.56	1029.68	900.431	894.827	-0.223	3.96E-08	4.39E-07	Down-regulated
NM_014744	EIF4A3	9775	79.8432	83.3655	70.9861	68.0708	-0.223	0.0004885	0.002696	Down-regulated
NM_002883	RANGAP1	5905	61.9888	65.4017	55.4308	53.1834	-0.2231	3.62E-05	0.0002544	Down-regulated
NM_001111077	EZR	7430	29.2638	27.0053	24.5277	23.3679	-0.2239	0.006241	0.0247756	Down-regulated
NM_012096	APPL1	26060	10.8157	10.9533	9.30907	9.21167	-0.2239	0.004659	0.0192683	Down-regulated
NM_017902	HIF1AN	55662	8.51014	8.62985	7.44292	7.14057	-0.224	0.0086686	0.0327982	Down-regulated
NM_015584	POLDIP2	26073	80.613	77.5442	67.8194	66.9608	-0.2241	6.26E-06	5.14E-05	Down-regulated
NM_004593	isophila)(TRAF	6434	52.2727	49.3536	43.6794	42.9152	-0.2242	2.33E-05	0.0001703	Down-regulated
NM_002911	UPF1	5976	19.6366	19.5542	17.5359	15.8174	-0.2242	0.004163	0.0174856	Down-regulated
NM_004548	NDUFB10	4716	128.341	129.717	110.625	108.507	-0.2246	0.0094868	0.0354032	Down-regulated
NM_003288	TPD52L2	7165	58.3011	56.9982	46.1155	51.9742	-0.2246	0.0046047	0.019089	Down-regulated
NM_005729	PIPF	10105	40.6483	37.4172	32.2276	34.1758	-0.2247	0.008497	0.0322959	Down-regulated
NM_016589	TIMMDC1	51300	81.0159	82.7833	69.9716	69.4748	-0.2248	0.0002422	0.00143	Down-regulated
NM_005918	MDH2	4191	111.335	107.21	94.8349	91.2115	-0.2254	8.13E-06	6.52E-05	Down-regulated
NM_014280	member C8(T	22826	117.982	110.689	97.6877	96.857	-0.2256	8.20E-05	0.000537	Down-regulated
NM_016417	GLRX5	51218	63.1104	64.5155	55.5259	55.838	-0.2257	0.010743	0.0393799	Down-regulated
NR_002909	SNHG3	8420	36.0955	34.8113	30.4117	29.8719	-0.2258	0.0033658	0.014559	Down-regulated
NM_001304504	HMG20A	10363	14.851	14.4648	12.6473	12.2636	-0.2259	0.0088175	0.0332693	Down-regulated
NM_014303	PES1	23481	69.4848	72.1926	62.6677	57.7769	-0.2261	0.0007835	0.0041296	Down-regulated
NM_0004793	LONP1	9361	55.858	57.6517	49.7087	46.8514	-0.2263	0.0001136	0.0007233	Down-regulated
NM_001163809	WDR81	124997	30.4635	34.6462	29.4101	25.8952	-0.2264	0.0128816	0.0458427	Down-regulated
NM_001136018	EPHX1	2052	62.3313	65.8036	55.5325	53.3398	-0.2266	0.0018919	0.0088599	Down-regulated
NM_001319236	RPL34	6164	1375.58	1242.68	1091.28	1128.66	-0.2266	0.0003343	0.0019192	Down-regulated
NM_004539	NARS	4677	109.05	103.978	90.3503	90.7949	-0.2272	6.03E-07	5.76E-06	Down-regulated
NM_021961	TEAD1	7003	18.7446	19.5376	15.7559	16.7932	-0.2273	0.0001457	0.0009076	Down-regulated
NM_006221	PIN1	5300	109.282	104.826	93.9806	87.6526	-0.2277	0.0024517	0.0111005	Down-regulated
NM_001018138	NME2	4831	201.168	199.938	168.351	171.717	-0.2279	0.0009052	0.0046908	Down-regulated
NM_016091	EIF3L	51386	137.302	129.568	109.741	116.915	-0.2282	7.91E-05	0.0005202	Down-regulated
NM_014306	RTCB	51493	44.9255	43.2286	36.922	37.8686	-0.2283	0.0018299	0.0086073	Down-regulated
NM_003000	SDHB	6390	149.855	138.866	119.923	124.95	-0.2288	0.000965	0.004951	Down-regulated
NM_016579	CD320	51293	167.141	153.521	137.137	134.901	-0.229	0.0004289	0.002401	Down-regulated
NM_015322	FEM1B	10116	11.3584	10.5594	9.20926	9.3843	-0.2292	0.0039644	0.0167991	Down-regulated
NM_0007279	U2AF2	11338	26.496	28.7489	23.7726	23.0846	-0.2295	0.0048231	0.0198467	Down-regulated
NM_025029	MZT2B	80097	201.788	182.524	161.117	164.414	-0.23	0.0018222	0.008582	Down-regulated
NM_001130065	MYO9B	4650	26.3509	26.3991	22.7512	22.0281	-0.2301	2.06E-06	1.83E-05	Down-regulated
NM_025149	ACSF2	80221	27.7543	27.9101	23.9906	23.1536	-0.2303	0.0076897	0.0296823	Down-regulated
NM_002080	GOT2	2806	56.1807	51.3411	46.2331	44.9103	-0.2304	0.0014544	0.0070891	Down-regulated
NM_000178	GSS	2937	92.0175	88.3998	77.2138	75.7739	-0.2305	3.54E-05	0.0002501	Down-regulated
NM_006118	HAX1	10456	112.957	104.372	90.1319	93.8644	-0.2307	0.0022262	0.0101908	Down-regulated
NM_001042616	PIGY	84992	78.7575	74.2251	62.4975	67.0191	-0.231	0.004132	0.0173786	Down-regulated
NM_002097	GTF3A	2971	67.3622	64.4837	55.3231	56.2586	-0.2315	0.0022112	0.0101294	Down-regulated
NM_014752	SPCS2	9789	32.788	33.5421	28.0055	28.1769	-0.2317	0.0010024	0.0051226	Down-regulated
NM_006004	UQCRH	7388	775.444	720.037	632.216	632.257	-0.2318	2.81E-05	0.000202	Down-regulated
NM_144703	LSM14B	149986	33.2111	31.9264	27.494	27.6596	-0.2318	0.0017298	0.0082113	Down-regulated

NM_018346	RSAD1	55316	23.0308	22.5444	19.9283	18.5982	-0.2319	0.0132245	0.0468709	Down-regulated
NM_001404	EEFIG	1937	735.044	700.691	604.708	611.389	-0.2327	2.88E-10	4.07E-09	Down-regulated
NM_013236	ATXN10	25814	36.0223	33.5235	28.8224	30.0484	-0.2328	0.0011022	0.0055609	Down-regulated
NM_014938	MLXIP	22877	22.0414	23.8456	20.1451	18.6796	-0.2335	0.0007968	0.004179	Down-regulated
NM_006628	ARPP19	10776	36.1565	35.1615	29.9367	30.446	-0.2336	1.93E-06	1.71E-05	Down-regulated
NM_002902	RCN2	5955	80.9269	81.9616	67.1181	70.6865	-0.234	3.13E-05	0.0002235	Down-regulated
NM_006585	CCT8	10694	140.951	135.596	116.957	117.001	-0.2342	3.13E-07	3.10E-06	Down-regulated
NM_003366	UQCRC2	7385	58.3299	55.3912	48.4987	47.6055	-0.235	0.0002829	0.0016482	Down-regulated
NM_003973	RPL14	9045	1499.28	1447.81	1240.16	1249.51	-0.2354	2.59E-12	4.35E-11	Down-regulated
NM_013442	STOML2	30968	75.0866	75.2264	62.8492	64.1265	-0.2354	0.0005179	0.0028362	Down-regulated
NM_006445	PRPF8	10594	76.8176	78.4977	65.4429	65.9471	-0.2355	1.47E-12	2.54E-11	Down-regulated
NM_014810	CEP350	9857	4.05321	4.39741	3.53866	3.59248	-0.2359	0.0111756	0.040702	Down-regulated
NM_002139	RBMX	27316	66.0289	62.7236	53.1555	55.5695	-0.2361	0.0003399	0.0019481	Down-regulated
NM_018255	ELP2	55250	12.1252	13.3903	10.5111	11.0207	-0.2361	0.0091499	0.0343269	Down-regulated
NM_000885	ITGA4	3676	8.23686	8.07345	6.61473	7.14701	-0.2361	0.0088673	0.0334176	Down-regulated
NM_031485	GRWD1	83743	41.0271	41.4526	34.6049	35.0268	-0.2361	0.0003709	0.0021052	Down-regulated
NM_002532	NUP88	4927	37.6726	36.3961	29.1529	33.3509	-0.2362	0.0046641	0.0192809	Down-regulated
NM_001131016	CIZ1	25792	23.7383	21.2727	19.2879	18.6532	-0.2365	0.0137519	0.0484435	Down-regulated
NM_199069	NDUFAF3	25915	97.8987	93.5496	79.9568	81.5959	-0.2368	0.0002779	0.0016235	Down-regulated
NM_005053	RAD23A	5886	58.3191	56.2244	49.471	47.1802	-0.2369	0.0009515	0.0048934	Down-regulated
NM_0032797	AIFM2	84883	26.24	25.3927	21.1725	22.372	-0.2371	0.002019	0.0093817	Down-regulated
NM_002841	PTPRG	5793	10.7417	11.5651	9.26247	9.55581	-0.2373	0.0043343	0.0181018	Down-regulated
NM_006392	NOP56	10528	54.5419	51.4055	45.612	43.7434	-0.2376	0.0011323	0.0056936	Down-regulated
NM_001134381	TBC1D5	9779	12.047	11.9486	10.5166	9.70646	-0.2381	0.0032183	0.0139788	Down-regulated
NM_002492	NDUFB5	4711	99.6737	95.072	81.8712	82.1487	-0.2387	0.0014951	0.0072446	Down-regulated
NM_002092	GRSF1	2926	30.1846	30.4031	24.7532	26.3504	-0.2389	1.16E-05	9.03E-05	Down-regulated
NM_181042	PBRM1	55193	8.93684	9.13776	7.27995	7.93313	-0.2394	0.005561	0.0224735	Down-regulated
NM_198318	PBRM1	3276	203.752	203.277	173.689	169.365	-0.2394	7.50E-08	8.04E-07	Down-regulated
NM_001014	RPS10	6204	1570.84	1479.03	1299.25	1266.02	-0.24	9.49E-08	1.01E-06	Down-regulated
NM_004475	FLOT2	2319	73.1907	68.6846	61.1283	58.3517	-0.2402	8.84E-05	0.0005744	Down-regulated
NM_138570	SLC38A10	124565	16.6226	17.782	14.6074	14.3313	-0.2403	0.0127513	0.0454892	Down-regulated
NM_015332	NUDCD3	23386	14.9135	14.7426	12.7512	12.2103	-0.2404	0.0020408	0.0094693	Down-regulated
NM_000784	CYP27A1	1593	28.1972	28.0739	24.477	22.8171	-0.2408	0.0069472	0.0271676	Down-regulated
NM_003072	SMARCA4	6597	18.9553	19.216	16.8441	15.2628	-0.2409	0.0016263	0.0077858	Down-regulated
NM_0023937	MRPL34	64981	185.992	174.549	145.312	157.691	-0.241	0.0011791	0.0058992	Down-regulated
NM_001136203	CCDC124	115098	193.79	172.453	154.479	153.141	-0.2417	0.0018548	0.0087078	Down-regulated
NM_000485	APRT	353	152.221	146.027	126.279	124.128	-0.2417	0.0010606	0.0053769	Down-regulated
NM_005412	SHMT2	6472	86.4807	89.3209	73.7706	74.1043	-0.2424	1.76E-06	1.57E-05	Down-regulated
NM_024040	CUEDC2	79004	54.0411	51.8432	43.3476	45.4838	-0.2426	0.0110052	0.0401599	Down-regulated
NM_014188	SSU72	29101	221.057	214.334	184.416	181.619	-0.2427	1.62E-07	1.68E-06	Down-regulated
NM_033643	RPL36	25873	1876.71	1767.74	1535	1512.74	-0.2437	3.12E-06	2.68E-05	Down-regulated
NM_003908	EIF2S2	8894	88.8729	86.1464	73.1695	73.9428	-0.2439	2.05E-07	2.09E-06	Down-regulated
NM_022460	HS1BP3	64342	27.1285	27.0125	22.7686	22.6474	-0.2439	0.0032717	0.0141943	Down-regulated
NM_000970	RPL6	6128	1252.2	1189.14	985.447	1063.32	-0.2445	3.08E-06	2.65E-05	Down-regulated
NM_013321	SNX8	29886	26.44	26.4971	21.6932	22.7632	-0.2445	7.00E-05	0.0004655	Down-regulated
NM_017812	CHCHD3	54927	86.7191	78.2475	67.4131	70.9515	-0.2446	0.0019139	0.0089521	Down-regulated
NM_013276	SHPK	23729	14.0176	14.6634	11.895	12.139	-0.2452	0.0072943	0.0283682	Down-regulated
NM_020457	THAP11	57215	31.9203	30.2223	26.1036	25.966	-0.2454	0.00816	0.0312077	Down-regulated
NM_172130	KCNAB2	8514	37.2431	36.2465	30.9999	30.7007	-0.2454	6.41E-06	5.25E-05	Down-regulated
NM_001320733	CAPG	822	590.184	560.448	490.637	474.773	-0.2458	1.07E-08	1.27E-07	Down-regulated
NM_002085	GPX4	2879	243.477	242.357	203.498	203.82	-0.2459	1.34E-06	1.22E-05	Down-regulated
NM_014612	FAM120A	23196	18.1271	19.4425	15.2507	16.2526	-0.2459	0.0018036	0.0085067	Down-regulated
NM_130440	PTPRF	5792	19.5654	21.8849	17.1856	17.5817	-0.2459	0.0009517	0.0048934	Down-regulated
NM_025076	UXS1	80146	37.7537	35.1668	29.8164	31.211	-0.2477	0.0041169	0.017334	Down-regulated
NM_001031711	ERGC1	57222	78.4731	76.2385	66.1358	63.4608	-0.2485	8.98E-07	8.40E-06	Down-regulated
NM_001016	RPS12	6206	2949.5	2695.38	2323.92	2386.16	-0.2487	1.06E-05	8.33E-05	Down-regulated
NM_004704	component, ho	9136	52.1664	49.7699	43.3093	41.893	-0.2491	0.0021637	0.0099482	Down-regulated
NM_003313	TSTA3	7264	128.965	116.932	110.073	95.3116	-0.2492	0.0083626	0.031874	Down-regulated
NM_001127320	UBAP2L	9898	30.886	30.6307	26.6888	24.7408	-0.2498	0.0005542	0.0030159	Down-regulated
NM_030579	CYB5B	80777	35.6597	34.5374	28.9377	29.8203	-0.2499	1.04E-05	8.18E-05	Down-regulated
NM_018457	PRR13	54458	126.148	125.127	103.231	106.879	-0.25	4.12E-05	0.0002866	Down-regulated
NM_001042535	AGAP3	116988	27.9403	28.3995	24.0174	23.0318	-0.2503	0.0030694	0.0134233	Down-regulated
NM_015904	EIF5B	9669	34.7109	32.6166	27.3951	28.9141	-0.2503	9.42E-05	0.0006097	Down-regulated
NM_005180	BMI1	648	16.0665	15.8566	13.4398	13.2116	-0.2512	0.0050267	0.0205973	Down-regulated
NM_013346	SNX12	29934	83.1453	75.2061	65.9375	66.3535	-0.2515	0.0002113	0.0012668	Down-regulated
NM_002491	NDUFB3	4709	95.1329	88.8737	75.9631	77.2575	-0.2515	0.0140158	0.0492459	Down-regulated
NM_000345	SNCA	6622	54.357	50.3342	43.9125	43.564	-0.2515	5.70E-05	0.0003863	Down-regulated
NM_001011	RPS7	6201	1220.4	1111.61	970.96	974.768	-0.2517	4.83E-06	4.04E-05	Down-regulated
NM_015077	SARM1	23098	6.68373	7.18099	5.89571	5.66603	-0.2519	0.0105682	0.038817	Down-regulated
NM_005022	PFN1	5216	1331.43	1238.91	1067.2	1079.89	-0.2522	1.25E-08	1.47E-07	Down-regulated
NM_001394	DUSP4	1846	105.805	105.34	89.7306	86.8013	-0.2523	5.04E-13	9.09E-12	Down-regulated
NM_001688	ATP5F1	515	73.751	67.2763	58.4551	59.2479	-0.2524	0.0003372	0.0019342	Down-regulated
NM_005787	ALG3	10195	70.4523	62.0893	55.991	54.4185	-0.2529	0.005423	0.0220086	Down-regulated
NM_018164	ASUN	55726	43.6994	41.4512	36.2785	34.7881	-0.2529	0.0001314	0.0008261	Down-regulated
NM_030752	TCP1	6950	92.7056	85.364	74.7042	73.951	-0.2529	2.76E-05	0.0001991	Down-regulated
NM_002428	MMP15	4324	20.5045	21.2045	18.0099	16.7701	-0.2537	0.0010793	0.0054597	Down-regulated
NM_017437	CPSF2	53981	14.3769	12.4979	10.9893	11.3806	-0.2543	0.0127004	0.0453245	Down-regulated
NM_006212	PFKFB2	5208	7.40898	7.81771	6.50694	6.17814	-0.2543	0.007102	0.0276992	Down-regulated
NM_001026	RPS24	6229	984.531	930.439	781.709	812.002	-0.2547	5.82E-07	5.57E-06	Down-regulated
NM_000661	RPL9	6133	1120.13	1045.57	868.486	934.394	-0.2549	1.07E-05	8.39E-05	Down-regulated
NM_001981	EPS15	2060	12.3531	12.3768	9.6932	10.8902	-0.2551	0.007798	0.0300113	Down-regulated
NM_006265	RAD21	5885	49.6059	48.8676	39.4007	42.6724	-0.2552	3.07E-05	0.0002191	Down-regulated
NM_004960	FUS	2521	68.6441	66.7999	58.2828	54.6567	-0.2554	2.76E-07	2.76E-06	Down-regulated
NM_003142	SSB	6741	101.808	94.6044	82.0134	81.6013	-0.2554	5.84E-05	0.0003943	Down-regulated

NM_015154	MESDC2	23184	22.2767	21.5755	18.3857	18.1576	-0.2555	0.0001974	0.0011911	Down-regulated
NM_005911	MAT2A	4144	57.4609	61.1704	48.9804	49.8709	-0.2556	1.62E-05	0.0001224	Down-regulated
NM_001001410	TSR3	115939	80.2891	78.0346	68.9136	62.8024	-0.2557	0.0026478	0.0118504	Down-regulated
NM_001029	RPS26	6231	1251.88	1132.16	977.011	1005.62	-0.2558	1.86E-05	0.0001384	Down-regulated
NM_001003	RPL1	6176	5620.82	5188.04	4366.93	4606.01	-0.2562	4.35E-06	3.66E-05	Down-regulated
NM_012423	RPL13A	23521	506.382	476.643	396.271	422.194	-0.2562	1.62E-06	1.46E-05	Down-regulated
NM_000990	RPL27A	6157	225.893	216.154	178.942	189.489	-0.2563	5.50E-09	6.75E-08	Down-regulated
NM_000988	RPL27	6155	4574.37	4242.2	3699	3618.63	-0.2566	1.27E-07	1.33E-06	Down-regulated
NM_031992	EIF4H	7458	87.4734	86.0785	69.6818	74.8162	-0.2567	7.39E-06	5.98E-05	Down-regulated
NM_198836	ACACA	31	18.969	19.7569	16.888	15.3527	-0.2567	0.0001592	0.0009813	Down-regulated
NM_006404	PROCR	10544	74.6487	71.9263	59.223	62.704	-0.2569	0.0004738	0.0026282	Down-regulated
NM_004738	VAPB	9217	10.7601	9.91876	8.38253	8.81194	-0.2576	0.0017909	0.0084555	Down-regulated
NM_001069	TUBB2A	7280	65.5044	65.108	54.7057	53.9096	-0.2576	0.0001313	0.0008258	Down-regulated
NM_006373	VAT1	10493	440.145	420.218	362.152	353.776	-0.2587	3.53E-12	5.83E-11	Down-regulated
NM_001321018	UBA52	7311	18.5283	19.0163	14.8373	16.3349	-0.2587	0.0054955	0.0222464	Down-regulated
NM_007189	ABCF2	10061	8.29418	8.31571	6.86696	6.90054	-0.2593	0.0140893	0.0494769	Down-regulated
NM_032014	MRPS24	64951	141.873	127.056	111.352	111.204	-0.2593	0.0093012	0.0348198	Down-regulated
NM_031991	PTBP1	5725	37.1158	37.0001	32.0587	29.4991	-0.2594	0.0002671	0.001564	Down-regulated
NM_006429	CCT7	10574	166.387	156.457	134.25	134.025	-0.2598	1.77E-07	1.83E-06	Down-regulated
NM_015194	MYO1D	4642	42.6118	41.3148	35.5123	34.2505	-0.26	1.01E-07	1.07E-06	Down-regulated
NM_000983	RPL22	6146	269.409	251.458	212.626	220.088	-0.2603	1.13E-07	1.19E-06	Down-regulated
NM_080821	FAM210B	116151	72.9457	68.2957	57.4899	59.8068	-0.2605	7.60E-06	6.13E-05	Down-regulated
NM_006565	CTCF	10664	14.559	14.8753	12.0951	12.3279	-0.2605	0.0027469	0.0122202	Down-regulated
NM_001127228	CBX1	10951	57.0992	53.5696	46.4855	45.3692	-0.2609	0.000124	0.0007832	Down-regulated
NM_019044	CCDC93	54520	6.21033	6.41656	5.22356	5.24302	-0.2609	0.008752	0.0330547	Down-regulated
NM_032228	FAR1	84188	20.2711	21.4822	16.6578	17.9894	-0.2611	0.0005815	0.0031504	Down-regulated
NM_139159	DPP9	91039	38.6618	40.8609	34.3938	31.5938	-0.2612	0.0001681	0.0010294	Down-regulated
NM_032804	ADO	84890	15.7578	14.6151	12.6748	12.4805	-0.2615	0.0054593	0.0221374	Down-regulated
NM_020726	NLN	57486	7.72213	7.66926	6.43094	6.33202	-0.2616	0.0008644	0.0045038	Down-regulated
NM_015908	SRRT	51593	27.1488	26.44	23.02	21.397	-0.2618	0.0012217	0.0060869	Down-regulated
NM_002910	RENBP	5973	67.9622	63.0552	55.0101	53.5644	-0.2619	0.0010498	0.0053292	Down-regulated
NM_000994	RPL32	6161	492.394	465.809	385.269	409.727	-0.262	1.13E-07	1.19E-06	Down-regulated
NM_001315491	MPZ	4359	49.1395	50.3708	40.5544	41.9274	-0.2621	0.0002393	0.0014147	Down-regulated
NM_006003	UQCRFS1	7386	89.342	84.9686	73.404	71.0265	-0.2621	0.0004323	0.0024166	Down-regulated
NM_001127496	SPRY4	81848	62.3457	64.4994	54.1556	51.0083	-0.2634	2.60E-07	2.61E-06	Down-regulated
NM_001829	CLCN3	1182	14.9305	14.7481	12.0028	12.5739	-0.2642	0.0001575	0.0009733	Down-regulated
NM_001077198	ATG9A	79065	26.1226	26.6311	23.0429	20.6053	-0.2643	0.0014137	0.0069191	Down-regulated
NM_000637	GSR	2936	42.3602	39.6422	32.9592	34.9187	-0.2647	0.0001669	0.001024	Down-regulated
NM_000996	RPL35A	6165	3325.32	3069.3	2609.51	2665.83	-0.2647	5.93E-07	5.67E-06	Down-regulated
NM_006817	ERP29	10961	128.458	121.037	103.614	102.859	-0.2651	7.56E-06	6.10E-05	Down-regulated
NM_016196	RBM19	9904	12.2254	12.014	9.95575	10.0636	-0.2656	0.0040521	0.0170989	Down-regulated
NM_014175	MRPL15	29088	44.5228	42.3429	34.2622	37.505	-0.2657	0.0037462	0.0159986	Down-regulated
NM_006936	SUMO3	6612	90.8632	84.3515	70.7714	74.117	-0.2659	9.66E-05	0.0006245	Down-regulated
NM_017659	QPCTL	54814	34.9193	35.0804	29.0517	28.7843	-0.2663	0.0003626	0.0020652	Down-regulated
NM_005881	BCKDK	10295	32.5273	31.5033	27.3427	25.523	-0.2666	0.0026483	0.0118504	Down-regulated
NM_025075	THOC7	80145	73.5131	70.8107	58.7744	60.3161	-0.2667	0.0030649	0.0134068	Down-regulated
NM_032383	HPS3	84343	16.1359	15.5957	12.2008	13.9687	-0.267	0.0087475	0.0330444	Down-regulated
NM_133494	NEK7	140609	28.14	27.5871	22.9283	23.1176	-0.2675	1.27E-05	9.75E-05	Down-regulated
NM_001025248	DUT	1854	40.0341	42.3391	32.7169	35.2399	-0.268	0.0013068	0.0064635	Down-regulated
NM_145686	MAP4K4	9448	12.2781	12.3569	10.7018	9.61719	-0.2683	0.0010397	0.0052806	Down-regulated
NM_004728	DDX21	9188	37.1893	34.1129	28.9563	29.9049	-0.2689	4.71E-05	0.0003243	Down-regulated
NM_003860	BANF1	8815	122.005	112.205	97.7883	95.2529	-0.2691	0.0003083	0.0017829	Down-regulated
NM_016497	MRPL51	51258	206.702	186.05	163.672	159.28	-0.2698	0.0022053	0.0101072	Down-regulated
NM_007172	NUP50	10762	32.2569	31.0577	26.7783	25.4815	-0.2699	3.88E-06	3.28E-05	Down-regulated
NM_001025	RPS23	6228	263.207	234.182	199.82	210.46	-0.27	2.29E-05	0.000168	Down-regulated
NM_006430	CCT4	10575	110.317	105.499	87.6545	90.4317	-0.2701	8.31E-08	8.85E-07	Down-regulated
NM_006694	JTB	10899	52.4907	47.143	41.7444	40.1983	-0.2708	0.0041083	0.0173017	Down-regulated
NM_003091	SNRPB	6628	194.792	176.941	162.99	142.797	-0.2711	0.0020478	0.0094971	Down-regulated
NM_000055	BCHE	590	26.3399	28.2215	22.0821	22.8158	-0.2713	0.0024155	0.0109523	Down-regulated
NM_015049	TRAK2	66008	17.6663	16.0005	13.7021	14.0359	-0.2713	0.0004235	0.0023742	Down-regulated
NM_022338	C11orf24	53838	37.1601	36.4363	30.1788	30.3786	-0.2715	0.0004533	0.0025213	Down-regulated
NM_020202	NIT2	56954	77.3842	73.3682	58.3616	65.56	-0.2717	0.0034627	0.0149318	Down-regulated
NM_032408	BAZ1B	9031	16.4633	15.7001	12.805	13.6872	-0.272	0.0002463	0.0014518	Down-regulated
NM_002486	NCBP1	4686	8.61796	8.07623	6.82397	6.89915	-0.2721	0.0076279	0.0294855	Down-regulated
NM_018834	MATR3	9782	47.9045	50.1211	39.2551	41.5038	-0.2724	5.51E-07	5.30E-06	Down-regulated
NM_000971	RPL7	6129	1588.35	1515.52	1278.36	1276.82	-0.2724	1.76E-13	3.29E-12	Down-regulated
NM_000284	ide) alpha 1(F	5160	28.4168	28.7703	23.5366	23.5495	-0.2727	4.77E-05	0.0003281	Down-regulated
NM_005243	EWSR1	2130	31.6788	29.7042	25.4957	24.986	-0.2728	0.0006067	0.0032728	Down-regulated
NM_005559	LAMA1	284217	11.233	11.4867	9.49894	9.21339	-0.2728	1.72E-05	0.0001293	Down-regulated
NM_007262	PARK7	11315	290.854	271.225	232.663	229.756	-0.2728	2.31E-06	2.03E-05	Down-regulated
NM_000984	RPL23A	6147	1029.41	964.749	807.374	833.856	-0.2728	3.94E-09	4.89E-08	Down-regulated
NM_000071	CBS	875	41.6734	39.4041	33.8759	32.8472	-0.2729	0.0001228	0.0007764	Down-regulated
NM_001640	APEH	327	55.6711	56.7758	46.8179	45.7711	-0.273	9.18E-07	8.56E-06	Down-regulated
NM_003901	SGPL1	8879	6.82352	7.36702	5.74135	5.90264	-0.2731	0.0126027	0.0450598	Down-regulated
NM_006547	IGF2BP3	10643	17.5385	16.424	14.1485	13.7874	-0.2733	0.0011139	0.0056111	Down-regulated
NM_138408	GTF3C6	112495	89.0449	86.759	73.9801	70.3962	-0.2738	0.0014593	0.0071003	Down-regulated
NM_004927	MRPL49	740	45.3205	45.5986	35.0808	39.5848	-0.2741	0.0018333	0.0086191	Down-regulated
NM_020774	MIB1	57534	15.321	15.7461	13.0072	12.5525	-0.2744	1.53E-06	1.38E-05	Down-regulated
NM_004383	CSK	1445	49.36	49.4147	41.9626	39.236	-0.2746	2.37E-05	0.0001731	Down-regulated
NM_144564	SLC39A3	29985	58.0654	54.3395	46.5331	45.7098	-0.2748	0.0011887	0.0059415	Down-regulated
NM_006601	PTGES3	10728	168.922	168.655	136.688	140.989	-0.275	2.90E-11	4.48E-10	Down-regulated
NM_014689	DOCK10	55619	6.23618	6.34736	5.27515	5.04339	-0.2751	0.0047393	0.0195497	Down-regulated
NM_002834	PTPN11	5781	24.9582	24.3971	20.6211	19.9604	-0.2751	8.28E-07	7.78E-06	Down-regulated
NM_005271	GLUD1	2746	34.0504	32.0619	26.8247	27.4941	-0.2751	4.81E-05	0.0003306	Down-regulated

NM_001007793	BUB3	9184	34.5058	32.9437	28.7176	26.5244	-0.2755	0.0095815	0.0356773	Down-regulated
NM_006597	) member 8(F	3312	717.364	697.093	562.126	600.508	-0.276	2.60E-10	3.69E-09	Down-regulated
NM_014754	PTDSS1	9791	50.9548	49.966	40.9107	41.992	-0.2761	4.83E-06	4.04E-05	Down-regulated
NM_032231	FAM96A	84191	68.42	70.1656	56.9991	56.6065	-0.2763	0.0011882	0.0059415	Down-regulated
NM_006088	TUBB4B	10383	212.199	201.746	169.612	170.436	-0.2765	3.79E-09	4.71E-08	Down-regulated
NM_003685	KHSRP	8570	101.08	98.072	82.0629	81.6024	-0.2766	1.95E-11	3.04E-10	Down-regulated
NM_004597	SNRPD2	6633	674.009	625.969	516.225	549.182	-0.277	6.73E-06	5.48E-05	Down-regulated
NM_024092	TMEM109	79073	55.9305	54.482	47.1501	43.397	-0.2776	8.17E-05	0.0005351	Down-regulated
NM_181697	PRDX1	5052	909.391	853.712	718.267	727.929	-0.2778	2.35E-10	3.37E-09	Down-regulated
NM_018072	HEATR1	55127	8.71659	8.41055	6.72424	7.31332	-0.278	0.0010792	0.0054597	Down-regulated
NM_018285	IMP3	55272	90.5834	88.4357	72.6089	74.147	-0.2781	6.38E-05	0.0004273	Down-regulated
NM_205767	C19orf70	125988	138.082	127.205	106.426	110.57	-0.2785	0.0006412	0.0034403	Down-regulated
NM_145253	UBALD1	124402	43.9294	42.3948	37.4395	33.076	-0.2789	0.0095044	0.0354483	Down-regulated
NM_000973	RPL8	6132	2100.34	1994.1	1663.37	1692.08	-0.2791	5.20E-13	9.36E-12	Down-regulated
NM_001098173	PRDM7	11105	14.6071	14.1368	11.5494	11.9524	-0.2792	0.0054122	0.0219697	Down-regulated
NM_006709	EHMT2	10919	18.163	18.402	15.0333	14.9118	-0.2794	0.0002801	0.0016348	Down-regulated
NM_001469	XRCC6	2547	130.421	129.026	115.249	97.0482	-0.2795	0.0010638	0.0053915	Down-regulated
NM_014520	MYBBP1A	10514	60.2616	59.9123	48.558	49.9954	-0.2795	8.35E-11	1.24E-09	Down-regulated
NM_004996	ABCC1	4363	13.0111	14.3178	11.5516	10.8133	-0.2805	0.00127	0.0063062	Down-regulated
NM_007062	PWP1	11137	53.8763	51.7474	42.4664	44.013	-0.2807	5.64E-06	4.68E-05	Down-regulated
NM_002154	) member 4(F	3308	80.3173	80.6759	65.9835	65.9452	-0.2807	1.52E-11	2.39E-10	Down-regulated
NM_015005	CEP170B	283638	11.3136	11.0515	9.01331	9.28919	-0.2807	0.0002242	0.0013339	Down-regulated
NM_199166	ALAS1	211	44.0902	40.4787	34.0474	35.1023	-0.2813	0.0004475	0.002493	Down-regulated
NM_031844	HNRNPU	3192	35.896	38.4556	29.9855	30.8842	-0.2816	4.32E-07	4.21E-06	Down-regulated
NM_173602	DIP2B	57609	14.2553	14.7687	11.851	11.9046	-0.2817	2.49E-06	2.17E-05	Down-regulated
NM_012388	BLOC1S6	26258	14.4908	14.3273	12.1604	11.3695	-0.2828	0.0019525	0.009198	Down-regulated
NM_017444	CHRAC1	54108	21.7062	22.4952	17.9268	18.1263	-0.283	0.0022108	0.0101294	Down-regulated
NM_152277	UBTD2	92181	18.1367	17.5601	13.9663	15.1464	-0.2831	0.0042269	0.0177253	Down-regulated
NM_003922	HERC1	8925	3.55576	3.93051	3.14086	2.96196	-0.2839	0.0048225	0.0198467	Down-regulated
NM_145730	AP1B1	162	19.5077	20.1445	16.6039	15.7725	-0.284	0.0002301	0.0013655	Down-regulated
NM_014733	ZFYVE16	9765	10.0346	9.96676	8.48538	7.831	-0.2844	0.0006457	0.0034614	Down-regulated
NM_015171	XPO6	23214	37.4311	36.5019	30.9032	29.4818	-0.2845	5.11E-07	4.95E-06	Down-regulated
NM_001271641	MTCH1	23787	53.3472	47.0389	40.7431	41.1125	-0.2846	0.0008211	0.0042962	Down-regulated
NM_004446	EPRS	2058	39.8635	40.2951	32.1542	33.3316	-0.2847	1.12E-08	1.32E-07	Down-regulated
NM_015492	C15orf39	56905	11.5881	11.4842	9.14585	9.65232	-0.2848	0.0027256	0.0121365	Down-regulated
NM_001144831	PHB2	11331	155.062	142.939	122.485	120.69	-0.285	5.01E-06	4.17E-05	Down-regulated
NM_001010	RPS6	6194	1352.49	1287.78	1048.01	1105.79	-0.285	1.01E-09	1.33E-08	Down-regulated
NM_014222	NDUFA8	4702	75.8325	69.9947	61.3912	57.0782	-0.2853	0.0107844	0.0394974	Down-regulated
NM_015352	POFUT1	23509	36.8259	35.7024	28.8471	30.3542	-0.2857	2.07E-07	2.11E-06	Down-regulated
NM_005471	GNPDA1	10007	66.5587	65.2846	54.0687	53.5253	-0.2858	3.11E-07	3.09E-06	Down-regulated
NM_006305	ANP32A	8125	85.508	80.4031	67.5184	67.8313	-0.2858	3.01E-07	3.00E-06	Down-regulated
NM_018230	NUP133	55746	10.1593	10.3382	8.07675	8.58935	-0.2858	0.0066006	0.0259982	Down-regulated
NM_018332	DDX19A	55308	18.476	20.0214	15.4872	15.8376	-0.286	0.0029368	0.0129411	Down-regulated
NM_001018	RPS15	6209	2307.6	2086.69	1770.68	1802.72	-0.2863	1.34E-06	1.22E-05	Down-regulated
NM_003798	CTNNA1	8727	16.3562	15.4281	13.2388	12.5813	-0.2863	0.0110011	0.0401599	Down-regulated
NM_182679	GPATCH4	54865	35.2285	36.0468	28.8533	29.2182	-0.2867	0.0002459	0.0014503	Down-regulated
NM_182729	TXNRD1	7296	29.8597	26.5868	23.5709	22.3832	-0.2868	0.0007192	0.003816	Down-regulated
NM_153812	PHF13	148479	12.4596	13.3945	10.1725	10.8506	-0.287	0.0070374	0.0274922	Down-regulated
NR_033465	NTSC3B	115024	58.4979	52.9877	44.7149	45.9826	-0.2872	0.0008891	0.0046198	Down-regulated
NM_006836	GCN1	10985	33.4059	33.7865	27.8441	26.9528	-0.2877	2.20E-11	3.42E-10	Down-regulated
NM_023015	INTS3	65123	16.7636	14.8922	12.4477	13.287	-0.2879	0.0021159	0.0097675	Down-regulated
NM_006254	PRKCD	5580	27.4714	29.4072	23.1595	23.124	-0.2879	0.0003682	0.0020909	Down-regulated
NM_203290	POLR1C	9533	36.1518	35.6163	29.1956	29.0565	-0.288	0.0055944	0.0225941	Down-regulated
NM_001163424	COPS9	150678	294.92	272.401	228.148	230.38	-0.288	0.005627	0.0227065	Down-regulated
NM_001030009	RPS15A	6210	1781.75	1601.28	1372.06	1372.2	-0.288	8.95E-06	7.11E-05	Down-regulated
NM_004232	SOC6	9306	7.71189	7.2292	5.91023	6.22656	-0.2881	0.0065612	0.025859	Down-regulated
NM_000666	ACY1	95	42.671	38.7151	32.7442	33.3576	-0.2886	0.002597	0.0116509	Down-regulated
NM_014235	UBL4A	8266	32.0723	32.3606	26.4863	25.9025	-0.2894	0.0001876	0.0011355	Down-regulated
NM_138431	MFSD3	113655	30.1157	30.7303	24.2537	25.1	-0.2895	0.0049555	0.0203272	Down-regulated
NM_012318	LETM1	3954	14.2478	15.5604	11.8083	12.4143	-0.2896	0.0007491	0.0039646	Down-regulated
NM_000693	ALDH1A3	220	44.8876	42.0076	35.5521	35.1359	-0.2902	2.36E-06	2.07E-05	Down-regulated
NM_017905	TMCO3	55002	16.0891	15.7651	12.6455	13.2074	-0.2903	0.0029685	0.0130477	Down-regulated
NM_002265	KPNB1	3837	97.3413	93.8934	79.0902	76.561	-0.2905	5.15E-12	8.44E-11	Down-regulated
NM_014681	DHX34	9704	11.8911	11.3105	9.69163	9.12753	-0.2908	0.0032984	0.0142973	Down-regulated
NM_004450	rosophila)(ER	2079	430.722	390.314	333.896	332.712	-0.2908	7.34E-06	5.94E-05	Down-regulated
NM_024086	METTL16	79066	12.8082	13.4867	10.7795	10.5733	-0.2908	0.0002276	0.0013515	Down-regulated
NM_017971	MRPL20	55052	139.495	136.512	108.248	115.368	-0.291	0.0007724	0.004077	Down-regulated
NM_006640	9-Sep	10801	77.4513	70.8256	62.9953	57.4929	-0.291	2.57E-05	0.0001868	Down-regulated
NM_000895	LTA4H	4048	19.9724	21.4608	16.2821	17.2669	-0.2913	0.008088	0.0309942	Down-regulated
NM_001077397	IRF2BP2	359948	11.3793	10.9858	9.14155	9.00297	-0.2916	0.0017249	0.0082004	Down-regulated
NM_001014812	FAM96A	84191	70.7101	66.0351	53.3896	57.2913	-0.2917	0.0032784	0.0142171	Down-regulated
NM_001001973	ATP5C1	509	58.2662	53.9243	45.5222	45.3708	-0.2918	0.00268	0.0119697	Down-regulated
NM_016297	PCYOX1	51449	13.5539	13.9661	11.169	11.1688	-0.2919	0.0001407	0.0008798	Down-regulated
NM_000972	RPL7A	6130	1157.46	1092.32	913.663	913.399	-0.292	1.92E-12	3.28E-11	Down-regulated
NM_057175	15, NatA au	80155	10.4992	11.167	8.53214	9.04106	-0.2921	0.001587	0.0076247	Down-regulated
NM_024098	CCDC86	79080	43.6801	45.3402	35.8471	36.4372	-0.2922	8.54E-05	0.0005565	Down-regulated
NM_016207	CPSF3	51692	21.5103	23.3636	18.8282	17.502	-0.2923	0.0057928	0.0232258	Down-regulated
NM_006802	SF3A3	10946	41.1354	39.3255	33.6488	31.6367	-0.2926	3.66E-05	0.000257	Down-regulated
NM_033198	PIGS	94005	32.6695	33.0145	27.2638	26.0147	-0.293	4.29E-05	0.0002973	Down-regulated
NM_005877	SF3A1	10291	27.4001	27.8669	22.9643	21.9126	-0.2933	8.09E-07	7.63E-06	Down-regulated
NM_001379	DNMT1	1786	21.6038	24.0745	20.0693	16.8666	-0.2944	0.0059335	0.0237087	Down-regulated
NM_013337	TIMM22	29928	32.3079	29.9566	25.1587	25.2072	-0.2952	0.0019907	0.0092591	Down-regulated
NM_007007	CPSF6	11052	11.5443	11.0429	9.1045	9.1936	-0.2953	0.0001303	0.0008206	Down-regulated
NM_004553	NDUFS6	4726	566.022	548.691	438.937	461.8	-0.2953	1.49E-06	1.35E-05	Down-regulated



NM_025232	REEP4	80346	28.4983	30.782	23.8126	24.0364	-0.2957	0.0049126	0.0201903	Down-regulated
NM_021970	LAMTOR3	8649	7.79648	8.21493	6.27487	6.64709	-0.2957	0.0135385	0.0478151	Down-regulated
NM_001012478	U2AF2	11338	101.326	97.8321	79.5048	81.9498	-0.296	4.54E-11	6.90E-10	Down-regulated
NM_016101	NIP7	51388	20.7901	21.0423	17.059	16.7211	-0.2962	0.0026965	0.0120268	Down-regulated
NM_012235	SCAP	22937	11.8129	12.9971	10.5111	9.51207	-0.2965	0.0075926	0.0293906	Down-regulated
NM_014976	PDCD11	22984	19.4753	19.6781	15.6777	16.0357	-0.2968	4.53E-07	4.40E-06	Down-regulated
NM_007236	CHP1	11261	34.7894	34.7376	29.1962	27.0476	-0.2968	3.06E-05	0.0002184	Down-regulated
NM_006431	CCT2	10576	143.471	142.116	112.759	118.542	-0.297	9.45E-10	1.26E-08	Down-regulated
NM_016732	RALY	22913	59.9022	57.3404	48.1651	46.7894	-0.2974	4.21E-10	5.83E-09	Down-regulated
NM_003820	TNFRSF14	8764	55.8557	59.9444	47.3516	46.3899	-0.2974	5.50E-07	5.30E-06	Down-regulated
NM_001008395	LAMTOR4	389541	119.654	127.508	99.0378	99.7482	-0.2976	0.0041639	0.0174857	Down-regulated
NM_003051	SLC16A1	6566	25.6968	25.2296	20.2272	20.9715	-0.2978	1.13E-05	8.82E-05	Down-regulated
NM_021974	POLR2F	5435	69.8042	64.3868	55.6646	52.7866	-0.298	3.97E-05	0.0002771	Down-regulated
NM_015670	SEN3	26168	72.427	69.1771	56.8097	57.7507	-0.2981	9.30E-08	9.87E-07	Down-regulated
NM_021100	NFS1	9054	19.7702	20.7975	17.0305	15.6858	-0.2981	0.0056057	0.0226252	Down-regulated
NM_003953	MPZL1	9019	11.0694	11.6403	9.14207	9.20141	-0.2983	0.0009323	0.0048068	Down-regulated
NM_000362	TIMP3	7078	31.9674	31.5601	25.4886	25.9144	-0.2985	3.75E-09	4.66E-08	Down-regulated
NM_002295	RPSA	3921	1497.23	1439.12	1183.68	1191.49	-0.2987	3.02E-19	8.51E-18	Down-regulated
NM_018313	PBRM1	55193	4.83807	4.44428	3.7391	3.73155	-0.2988	0.0111638	0.0406687	Down-regulated
NM_007051	FAF1	11124	34.7563	33.9843	27.0743	28.4315	-0.299	6.33E-05	0.0004242	Down-regulated
NM_003124	in:NADP+ ox	6697	44.3204	41.4211	35.0347	34.0774	-0.2993	0.0017666	0.0083633	Down-regulated
NM_030969	TMEM14B	81853	68.089	61.5731	48.975	55.2585	-0.2995	0.0124089	0.0444745	Down-regulated
NM_017953	ZNHIT6	54680	6.9934	7.15272	5.63702	5.76488	-0.2995	0.0027942	0.0124073	Down-regulated
NM_007274	ACOT7	11332	42.9264	44.0169	37.0981	33.0015	-0.2995	0.0015168	0.0073381	Down-regulated
NM_015397	DCAF12	25853	10.5041	10.0576	8.06077	8.49192	-0.2997	0.0082432	0.0314691	Down-regulated
NM_201525	ADGRG1	9289	107.689	105.265	89.0224	83.1515	-0.2997	6.39E-10	8.62E-09	Down-regulated
NM_005153	USP10	9100	22.4486	22.1226	19.2426	16.6693	-0.2999	0.0025997	0.01166	Down-regulated
NR_038343	MAGI2-AS3	1E+08	4.34211	4.33312	3.58527	3.39668	-0.3005	0.006652	0.0261684	Down-regulated
NM_017831	RNF125	54941	20.2715	20.7178	16.8786	16.2175	-0.3011	1.59E-06	1.43E-05	Down-regulated
NM_001040431	COA3	28958	120.24	109.727	86.2236	98.495	-0.3012	0.0063552	0.0251561	Down-regulated
NM_014680	KIAA0100	9703	42.491	42.7047	34.9432	33.8817	-0.3013	2.79E-13	5.15E-12	Down-regulated
NM_001527	HDAC2	3066	14.4709	13.6065	11.3189	11.3281	-0.3016	2.98E-05	0.0002135	Down-regulated
NM_005529	HSPG2	3339	27.3825	28.9262	22.5519	22.9298	-0.3016	2.97E-11	4.58E-10	Down-regulated
NM_138635	H2AFV	94239	9.55634	9.68019	8.04028	7.42044	-0.3021	0.01031	0.0380222	Down-regulated
NM_006590	USP39	10713	29.4755	28.4645	24.3903	22.2145	-0.3025	0.0013855	0.0068108	Down-regulated
NM_000852	GSTP1	2950	1223.79	1128.56	944.326	951.564	-0.3027	5.41E-10	7.36E-09	Down-regulated
NM_020443	NAV1	89796	6.25921	7.26729	5.70831	5.16183	-0.3032	0.0043328	0.0181018	Down-regulated
NM_003758	EIF3J	8669	34.1421	30.297	25.767	26.0454	-0.3034	0.0009884	0.0050588	Down-regulated
NM_015097	CLASP2	23122	6.79686	7.97162	5.84342	6.0134	-0.3035	0.0094183	0.0351752	Down-regulated
NM_000968	RPL4	6124	1344.06	1278.25	1024.14	1089.44	-0.3036	7.66E-11	1.14E-09	Down-regulated
NM_006833	COPS6	10980	121.631	123.83	99.7459	98.0074	-0.3038	3.60E-08	4.00E-07	Down-regulated
NM_024658	IPO4	79711	19.3924	20.3913	16.3282	15.6699	-0.3041	0.0002792	0.00163	Down-regulated
NM_002128	HMGB1	3146	126.426	122.01	98.6773	101.667	-0.3041	6.00E-15	1.27E-13	Down-regulated
NM_003187	TAF9	6880	44.1382	40.045	33.5314	33.9705	-0.3046	0.0066437	0.0261413	Down-regulated
NM_021078	KAT2A	2648	44.8687	48.9528	38.1575	37.3644	-0.3046	1.34E-05	0.0001026	Down-regulated
NM_001123377	PARK7	11315	263.622	249.968	203.552	209.578	-0.3048	2.23E-07	2.26E-06	Down-regulated
NM_002764	PRPS1	5631	35.1886	33.884	27.4737	28.0794	-0.3048	0.000172	0.0010505	Down-regulated
NM_005628	SLC1A5	6510	161.705	156.749	134.043	122.343	-0.3051	6.40E-08	6.91E-07	Down-regulated
NM_002355	M6PR	4074	45.7364	41.958	34.048	36.4593	-0.3052	0.0001482	0.0009214	Down-regulated
NM_005804	DDX39A	10212	107.445	96.6896	82.0326	82.0658	-0.3053	4.24E-05	0.0002938	Down-regulated
NM_001101	ACTB	60	1555.34	1532.76	1238.84	1249.06	-0.3053	6.34E-33	3.37E-31	Down-regulated
NM_001017980	revisiae)(VM	203547	10.5538	11.0659	8.53633	8.82882	-0.3055	0.0014446	0.0070551	Down-regulated
NM_148172	PEMT	10400	43.7394	45.8062	37.1374	34.4738	-0.3055	0.0108185	0.0395842	Down-regulated
NM_001199699	DHX33	56919	10.8984	11.6983	8.31735	9.79264	-0.3056	0.0076849	0.0296698	Down-regulated
NM_001330058	RAP1GAP2	23108	9.07872	8.06077	6.53465	7.21048	-0.3057	0.0058905	0.0235658	Down-regulated
NM_005993	TBCD	6904	22.1631	22.0657	18.8944	16.6498	-0.306	0.0004418	0.0024654	Down-regulated
NM_012325	MAPRE1	22919	119.937	114.396	92.7424	95.8652	-0.3061	2.44E-10	3.48E-09	Down-regulated
NM_004096	EIF4EBP2	1979	13.0461	12.2943	9.95209	10.4184	-0.3064	3.37E-05	0.000239	Down-regulated
NM_017620	ILF3	3609	19.6012	21.7766	17.4035	15.8193	-0.3065	0.0004389	0.0024515	Down-regulated
NM_002375	MAP4	4134	77.1013	78.6593	62.7751	62.5716	-0.3073	5.14E-19	1.42E-17	Down-regulated
NM_015146	8-Sep	23176	14.8148	13.4347	10.9181	11.7391	-0.3073	0.002194	0.0100675	Down-regulated
NM_001286086	C11orf98	1E+08	102.992	103.526	81.6881	83.2783	-0.3073	0.0036054	0.0154771	Down-regulated
NM_001002027	unit 9)(ATP5	516	367.227	336.411	283.484	280.204	-0.3074	5.27E-05	0.0003599	Down-regulated
NM_004398	DDX10	1662	11.073	10.649	8.66064	8.73661	-0.3074	0.0076652	0.0296056	Down-regulated
NM_138394	HNRNPPL	92906	11.6077	12.0727	9.01475	9.91302	-0.3075	0.0123241	0.0442209	Down-regulated
NM_015175	NBEAL2	23218	5.43406	5.83863	4.58068	4.45813	-0.3077	0.0019008	0.0088973	Down-regulated
NM_020401	NUP107	57122	7.1148	6.92955	5.81334	5.43664	-0.3078	0.0031116	0.0135738	Down-regulated
NM_006048	UBE4B	10277	29.0336	28.6085	23.4085	22.9312	-0.3078	8.11E-09	9.71E-08	Down-regulated
NM_053275	RPLP0	6175	993.948	908.124	761.049	766.511	-0.3082	1.67E-09	2.16E-08	Down-regulated
NM_004300	ACP1	52	73.1077	65.7009	55.4998	55.739	-0.309	0.0002156	0.0012887	Down-regulated
NM_021821	MRPS35	60488	66.0959	61.6559	51.201	51.2748	-0.3091	1.02E-05	8.02E-05	Down-regulated
NM_002940	ABCE1	6059	24.6699	25.4543	19.0349	21.1522	-0.3094	0.0001296	0.0008165	Down-regulated
NR_002599	SNHG6	641638	888.574	790.564	694.388	646.312	-0.3095	0.0001438	0.000897	Down-regulated
NM_058163	TSR2	90121	12.5748	11.387	9.39754	9.76303	-0.3098	0.00359	0.0154177	Down-regulated
NM_003653	COPS3	8533	34.8978	33.772	24.8848	29.9552	-0.3102	0.0098238	0.03644	Down-regulated
NM_173157	NR4A1	3164	151.076	145.655	124.014	114.023	-0.3102	4.04E-08	4.47E-07	Down-regulated
NM_174908	CCDC50	152137	10.7607	10.72	8.28381	8.93653	-0.3105	3.68E-05	0.0002582	Down-regulated
NM_080594	RNPS1	10921	30.5707	26.5614	23.0738	22.5873	-0.3106	0.0037982	0.0161883	Down-regulated
NM_003680	YARS	8565	51.1333	48.1815	40.3271	39.2996	-0.3107	4.50E-07	4.38E-06	Down-regulated
NM_016630	sive, Mast sy:	51324	62.3751	61.217	48.6999	50.2815	-0.3115	2.91E-06	2.51E-05	Down-regulated
NM_014808	FARP2	9855	9.182	10.0235	7.3765	7.94811	-0.3117	0.0095392	0.0355503	Down-regulated
NM_000969	RPL5	6125	896.398	823.48	683.595	693.887	-0.3117	1.10E-09	1.45E-08	Down-regulated
NM_024513	FYCO1	79443	14.9029	15.5025	12.5192	11.839	-0.312	1.75E-06	1.57E-05	Down-regulated
NM_003418	CNBP	7555	34.344	29.249	24.9016	25.895	-0.3121	0.0014261	0.0069723	Down-regulated

NM_014028	OSTM1	28962	45.4634	42.5495	34.2646	36.22	-0.3125	4.60E-07	4.47E-06	Down-regulated
NM_024911	WLS	79971	19.6892	21.5568	16.4678	16.4694	-0.3126	0.0014942	0.0072434	Down-regulated
NM_001078645	CDC16	8881	40.7867	35.2393	29.5614	31.1734	-0.3126	0.0017709	0.0083754	Down-regulated
NM_015123	FRMD4B	23150	7.64667	8.29353	6.3087	6.42586	-0.3128	0.0015913	0.0076395	Down-regulated
NM_024068	NABP2	79035	43.1783	43.1795	35.3616	33.5919	-0.3129	0.0009505	0.0048912	Down-regulated
NM_004313	ARRB2	409	27.2628	28.7414	22.4255	22.2787	-0.313	0.0014104	0.0069098	Down-regulated
NM_001083614	EARS2	124454	9.53894	9.75988	7.18294	8.19863	-0.3133	0.0113256	0.0411562	Down-regulated
NM_003074	SMARCC1	6599	50.0428	50.4109	38.6367	41.783	-0.3137	6.79E-09	8.25E-08	Down-regulated
NM_001135673	ATL2	64225	10.1643	9.69986	8.15836	7.67787	-0.3137	0.005235	0.0213546	Down-regulated
NM_024519	FAM65A	79567	30.8336	30.8627	25.7719	23.554	-0.3139	1.03E-05	8.12E-05	Down-regulated
NM_015140	TTL12	23170	32.5045	32.4357	26.4327	25.5076	-0.3142	1.32E-06	1.21E-05	Down-regulated
NM_001270362	RAD23A	5886	41.9642	40.8121	34.1901	31.9125	-0.3146	0.0002558	0.0015044	Down-regulated
NM_001077399	PNKD	25953	83.9121	78.5494	62.703	66.4702	-0.3148	0.0050458	0.0206665	Down-regulated
NM_007175	ERLIN2	11160	13.6153	13.6924	10.2384	11.5454	-0.3149	0.0011077	0.0055857	Down-regulated
NM_004839	HOMER2	9455	18.6452	18.8311	14.2702	15.515	-0.315	0.0097328	0.0361568	Down-regulated
NM_001687	ATP5D	513	49.5129	49.1328	38.3326	40.1041	-0.3152	0.0046592	0.0192683	Down-regulated
NM_006371	CRTAP	10491	86.7141	87.2709	70.7738	68.4662	-0.3153	6.04E-19	1.65E-17	Down-regulated
NM_004499	HNRNPAB	3182	61.1255	52.1562	49.1636	40.8177	-0.3153	0.0128807	0.0458427	Down-regulated
NM_006756	TCEA1	6917	39.8755	39.8232	30.7918	32.8585	-0.3157	5.49E-06	4.55E-05	Down-regulated
NM_021134	MRPL23	6150	326.202	285.399	250.401	236.669	-0.3162	0.0002198	0.0013113	Down-regulated
NM_015704	DESI1	27351	21.4014	20.4577	17.1312	16.2538	-0.3168	7.72E-05	0.0005083	Down-regulated
NM_032390	NIFK	84365	24.9546	23.5082	20.0784	18.3888	-0.3173	0.0076982	0.029703	Down-regulated
NM_000182	tein), alpha s	3030	140.221	135.453	109.12	111.088	-0.3174	1.43E-15	3.18E-14	Down-regulated
NM_002765	PRPS2	5634	13.1353	13.3863	10.2765	10.7661	-0.3177	0.0090378	0.0339532	Down-regulated
NM_022915	MRPL44	65080	39.0458	40.3299	31.7635	31.4669	-0.3177	0.0001858	0.001125	Down-regulated
NM_000097	CPOX	1371	90.4397	90.4892	71.9573	72.4806	-0.3178	6.78E-13	1.21E-11	Down-regulated
NM_007355	HSP90AB1	3326	977.912	976.895	773.046	788.618	-0.3178	2.92E-33	1.56E-31	Down-regulated
NM_000108	DLI	1738	45.0253	42.0709	33.9711	35.506	-0.3179	9.28E-07	8.65E-06	Down-regulated
NM_002710	PPP1CC	5501	49.1167	50.0188	37.8752	41.1525	-0.3179	8.45E-06	6.75E-05	Down-regulated
NM_001134231	NTSDC2	64943	107.348	111.281	88.5917	85.8251	-0.3181	6.45E-09	7.84E-08	Down-regulated
NM_018238	AGK	55750	19.0059	19.8173	15.3375	15.5636	-0.3181	0.0005182	0.0028368	Down-regulated
NM_003819	tein cytoplasmic	8761	25.8585	23.4131	20.3157	18.8665	-0.3194	0.0006743	0.0035979	Down-regulated
NM_015250	BICD2	23299	9.88293	10.4165	8.32997	7.79027	-0.32	0.0021766	0.0099957	Down-regulated
NM_004077	CS	1431	67.0786	67.2495	53.2727	53.8006	-0.3201	3.39E-11	5.21E-10	Down-regulated
NM_001128228	TPRN	286262	25.0531	25.8882	20.6264	19.8637	-0.3205	0.0001774	0.0010803	Down-regulated
NM_021244	RRAGD	58528	13.1113	11.5977	10.01	9.60907	-0.3205	0.0018443	0.0086602	Down-regulated
NM_001025071	RPS14	6208	65.2228	67.3576	51.205	53.7034	-0.3208	0.0056525	0.0227855	Down-regulated
NM_006556	PMVK	10654	41.397	39.9937	31.9855	32.5987	-0.321	0.0016498	0.0078765	Down-regulated
NM_018129	PNPO	55163	11.6196	11.7888	9.05431	9.52073	-0.321	0.0030972	0.0135265	Down-regulated
NM_022754	SFXN1	94081	16.2248	15.475	12.2804	12.9238	-0.3211	0.0002261	0.0013436	Down-regulated
NM_006234	POLR2J	5439	100.851	95.112	79.8825	75.6504	-0.3214	0.0001643	0.0010095	Down-regulated
NM_006758	U2AF1	7307	108.813	94.9782	82.4684	79.1373	-0.3217	0.0014561	0.0070918	Down-regulated
NM_001288732	TEX2	55852	16.5386	15.572	12.1442	13.3559	-0.3219	0.0002345	0.00139	Down-regulated
NM_018396	METTL2B	55798	18.2833	16.9191	13.7305	14.1377	-0.3222	0.0066371	0.026126	Down-regulated
NM_004426	PHC1	1911	18.2499	16.7556	13.5688	14.2482	-0.3224	7.89E-05	0.0005189	Down-regulated
NM_001300946	GATAD2A	54815	28.0272	26.6543	22.0273	21.4557	-0.3233	7.27E-08	7.79E-07	Down-regulated
NM_000411	HLCS	3141	4.77035	4.79039	3.86298	3.67994	-0.3233	0.0108885	0.0398024	Down-regulated
NM_007235	XPOT	11260	48.5599	47.2405	37.5465	38.6281	-0.3235	4.31E-10	5.94E-09	Down-regulated
NM_001174101	PRR7	80758	63.1685	64.001	51.9445	48.953	-0.3237	5.18E-05	0.000354	Down-regulated
NM_032826	SLC35B4	84912	10.7796	11.0333	8.89326	8.42765	-0.3237	4.87E-05	0.0003342	Down-regulated
NM_000269	NME1	4830	527.776	488.916	405.858	400.976	-0.3239	4.91E-09	6.05E-08	Down-regulated
NM_007209	RPL35	11224	4402.83	4040.57	3405.78	3273.68	-0.3243	2.54E-09	3.22E-08	Down-regulated
NM_003659	AGPS	8540	7.6904	7.47957	5.99691	6.03514	-0.3245	0.0001605	0.0009887	Down-regulated
NM_199287	CCDC137	339230	39.7344	39.2823	31.7705	30.9209	-0.3246	1.83E-05	0.0001364	Down-regulated
NM_004891	MRPL33	9553	113.981	116.994	91.3487	90.4381	-0.3252	0.0107601	0.0394233	Down-regulated
NM_024792	FAM57A	79850	31.6588	31.457	26.0112	23.9385	-0.326	0.000221	0.0013175	Down-regulated
NM_017906	PAK1IP1	55003	30.1244	29.0269	23.5019	23.1699	-0.3268	0.0029387	0.0129457	Down-regulated
NM_014811	PPP1R26	9858	7.19999	7.06941	5.50024	5.758	-0.3268	0.0044402	0.0184793	Down-regulated
NM_000100	CSTB	1476	580.622	547.007	445.042	448.73	-0.3268	2.29E-12	3.86E-11	Down-regulated
NM_016436	PHF20	51230	13.5691	13.1858	10.5896	10.6163	-0.3269	1.06E-05	8.31E-05	Down-regulated
NM_002134	HMOX2	3163	38.6746	41.5794	30.6927	32.7429	-0.328	0.0005513	0.003001	Down-regulated
NM_004965	HMGN1	3150	162.382	151.848	125.164	123.571	-0.3284	4.93E-08	5.41E-07	Down-regulated
NM_014216	ITPK1	3705	41.5766	40.6736	32.3623	32.7842	-0.3286	1.14E-08	1.34E-07	Down-regulated
NM_032360	ACBD6	84320	22.8629	21.0668	17.2874	17.3148	-0.3286	0.0094793	0.0353821	Down-regulated
NM_032236	USP48	84196	38.8161	40.6384	30.6562	32.2539	-0.3288	6.71E-08	7.23E-07	Down-regulated
NM_015420	DCAF13	25879	24.3344	23.5191	18.4604	19.3339	-0.329	0.0002042	0.0012275	Down-regulated
NM_001982	ERBB3	2065	52.763	56.1173	43.3253	42.932	-0.329	4.75E-11	7.20E-10	Down-regulated
NM_153000	APCDD1	147495	13.276	14.2873	11.2081	10.4865	-0.3293	0.0084801	0.0322446	Down-regulated
NM_024805	utative)(RBF.	79863	5.77261	6.48583	5.03657	4.59984	-0.3296	0.0128059	0.0456413	Down-regulated
NM_003677	DENR	8562	42.4878	41.7578	32.95	33.6782	-0.3298	2.26E-07	2.29E-06	Down-regulated
NM_018361	AGPAT5	55326	9.31855	9.54214	7.2695	7.61802	-0.3304	0.0004498	0.0025051	Down-regulated
NM_004329	BMPR1A	657	8.13452	8.5373	6.53445	6.5844	-0.3306	0.0089938	0.0338344	Down-regulated
NM_031937	TBC1D10A	83874	16.6447	15.9583	12.5574	13.0858	-0.3307	0.009114	0.0342191	Down-regulated
NM_138639	BCL2L12	83596	23.8256	23.1512	19.1681	17.8336	-0.3309	0.0031169	0.0135845	Down-regulated
NM_004804	CIAO1	9391	71.1426	68.1837	56.0107	54.175	-0.3314	6.09E-12	9.94E-11	Down-regulated
NM_001105573	FBXO45	200933	5.89842	6.37589	4.79673	4.8631	-0.3317	0.0051716	0.0211276	Down-regulated
NM_024299	PPDPF	79144	341.383	305.426	265.662	243.943	-0.3321	4.50E-05	0.0003102	Down-regulated
NM_016065	MRPS16	51021	36.7129	33.9652	29.4285	26.2724	-0.3323	0.0003482	0.0019895	Down-regulated
NM_153718	NUP62	23636	25.4311	26.2273	18.9706	21.7085	-0.3327	0.0004742	0.0026294	Down-regulated
NM_002695	POLR2E	5434	86.0789	81.5326	66.7194	65.7062	-0.3328	1.26E-10	1.84E-09	Down-regulated
NM_001377	DYNC2HI	79659	1.87392	1.92855	1.52516	1.45701	-0.3331	0.0120659	0.043433	Down-regulated
NM_013302	EEF2K	29904	7.14606	7.91255	6.16952	5.68262	-0.3333	0.0017689	0.0083698	Down-regulated
NM_152522	ARL6IP6	151188	9.3534	9.72011	7.54981	7.40714	-0.334	0.0137099	0.0483314	Down-regulated
NM_005760	CEBPZ	10153	24.1165	21.9352	17.4165	18.8189	-0.3343	0.000363	0.0020665	Down-regulated

NM_001083591	CELF2	10659	6.06079	5.72139	4.89217	4.35747	-0.3349	0.0026026	0.0116703	Down-regulated
NM_139207	NAP1L1	4673	13.62	14.3113	10.3588	11.5983	-0.3352	0.0006747	0.0035989	Down-regulated
NM_002396	ME2	4200	18.6847	18.7947	14.8597	14.6741	-0.3353	2.06E-06	1.83E-05	Down-regulated
NM_001933	DLST	1743	47.0937	44.2773	36.1571	35.8496	-0.3353	2.94E-07	2.93E-06	Down-regulated
NM_001039708	SDCCAG3	10807	23.1089	21.9537	18.273	17.0932	-0.3357	0.0015662	0.0075396	Down-regulated
NM_130836	OPA1	4976	8.48225	10.4302	7.88792	6.91147	-0.3359	0.0141492	0.0496783	Down-regulated
NM_001357	DHX9	1660	42.8503	42.3162	32.5916	34.525	-0.336	9.49E-10	1.26E-08	Down-regulated
NM_006773	DDX18	8886	22.1841	22.9855	17.5554	18.0025	-0.3361	6.27E-06	5.14E-05	Down-regulated
NM_025146	e 50, NatE ca	80218	24.7085	21.912	17.5437	19.1191	-0.3363	8.77E-05	0.0005706	Down-regulated
NM_194449	PHLPP1	23239	6.60819	6.6188	5.40242	4.97563	-0.3368	0.0017693	0.0083698	Down-regulated
NM_004214	FIBP	9158	41.966	41.9015	33.5952	32.2501	-0.3369	0.0003584	0.0020428	Down-regulated
NM_001006	RPS3A	6189	958.111	911.029	709.351	761.4	-0.3369	8.67E-11	1.29E-09	Down-regulated
NM_005762	TRIM28	10155	145.91	151.108	115.322	118.647	-0.3374	4.57E-16	1.04E-14	Down-regulated
NM_006328	RBM14	10432	9.52065	9.22347	7.58036	7.1453	-0.3375	0.0005162	0.0028274	Down-regulated
NM_001970	EIF5A	1984	1722.09	1624.42	1331.91	1302.51	-0.3377	6.25E-17	1.50E-15	Down-regulated
NM_152345	ANKRD13B	124930	16.1658	17.1663	13.6999	12.446	-0.3377	0.0014448	0.0070551	Down-regulated
NM_152682	RWDD4	201965	13.3267	13.2785	10.8102	10.0244	-0.3378	0.0054007	0.0219463	Down-regulated
NM_015129	6-Sep	23157	11.0995	10.2789	8.47744	8.23791	-0.3382	0.0045712	0.0189584	Down-regulated
NM_145212	MRPL30	51263	7.81412	8.58399	6.21233	6.6247	-0.3383	0.0056977	0.0229247	Down-regulated
NM_005625	SDCBP	6386	241.273	222.033	175.459	188.82	-0.3385	2.77E-08	3.12E-07	Down-regulated
NM_0033070	CECR5	27440	29.0325	27.1593	21.5239	22.4715	-0.3387	0.0012778	0.0063367	Down-regulated
NM_004703	RABEP1	9135	19.2315	20.3418	15.4634	15.6475	-0.3389	3.31E-07	3.27E-06	Down-regulated
NM_001037663	EEF1B2	1933	91.9387	106.08	73.8694	80.878	-0.339	0.0028551	0.0126282	Down-regulated
NM_001032363	MINOS1	440574	35.5189	31.2874	26.1202	26.3191	-0.3393	4.57E-05	0.0003152	Down-regulated
NM_020782	KLHL42	57542	7.94478	6.99862	6.02185	5.66703	-0.3395	0.0029398	0.0129457	Down-regulated
NM_001195563	CAMTA1	23261	101.994	94.6519	81.8392	71.745	-0.3399	0.0040416	0.0170768	Down-regulated
NM_020750	XPOS	57510	14.7113	15.6693	12.0249	11.8171	-0.3402	1.60E-05	0.0001212	Down-regulated
NM_001330177	isophila)(PCN	64430	5.93909	6.26864	5.0098	4.50542	-0.3406	0.0137908	0.0485536	Down-regulated
NM_003321	TUFM	7284	173.914	168.695	135.915	133.33	-0.3408	5.17E-16	1.17E-14	Down-regulated
NM_001265608	TRAK1	22906	10.729	10.0763	7.71089	8.56412	-0.3409	0.0016512	0.0078795	Down-regulated
NM_019070	DDX49	54555	34.2018	31.7598	24.4825	27.1022	-0.3411	0.0012966	0.0064234	Down-regulated
NM_014864	FAM20B	9917	10.0109	12.5168	8.86576	8.7233	-0.3411	0.0078632	0.0302239	Down-regulated
NM_002568	tein cytoplasm	26986	246.597	246.93	192.505	195.372	-0.3412	5.89E-29	2.73E-27	Down-regulated
NM_018049	PLEKHJ1	55111	53.725	46.0715	37.7192	40.1801	-0.3412	0.0045101	0.0187417	Down-regulated
NM_024114	TRIM48	79097	73.4813	72.0332	57.2413	56.8482	-0.3415	9.79E-07	9.09E-06	Down-regulated
NM_001100389	TMEM192	201931	12.0714	13.9313	9.9279	10.3937	-0.3416	0.0021831	0.01002	Down-regulated
NM_024100	WDR18	57418	62.9	64.2127	48.8371	50.7987	-0.3417	3.46E-06	2.96E-05	Down-regulated
NM_001105530	CAP1	10487	50.735	44.2189	35.7589	38.5608	-0.3421	0.0001949	0.0011771	Down-regulated
NM_015173	TBC1D1	23216	10.863	11.3515	8.51372	8.87989	-0.3426	8.00E-05	0.0005249	Down-regulated
NR_002578	otein coding)	60674	186.663	178.754	152.129	132.84	-0.343	0.0007	0.0037216	Down-regulated
NM_003002	SDHD	6392	44.1982	45.2809	33.9914	35.911	-0.3438	0.0002971	0.0017235	Down-regulated
NM_015651	PHF19	26147	9.32032	9.04209	7.0972	7.22047	-0.3445	0.0014497	0.0070751	Down-regulated
NM_017645	HAUS6	54801	8.90396	9.32503	6.68335	7.55001	-0.3447	0.0009192	0.0047519	Down-regulated
NM_198395	G3BP1	10146	73.1072	68.6097	54.1088	56.8072	-0.3451	1.48E-08	1.72E-07	Down-regulated
NM_016077	PTRH2	51651	44.7316	48.5314	34.9898	37.4243	-0.3457	0.0088756	0.0334422	Down-regulated
NM_001417	EIF4B	1975	115.75	111.92	90.2915	87.9693	-0.3463	2.08E-18	5.49E-17	Down-regulated
NM_001749	CAPNS1	826	58.3339	59.6165	46.2368	45.8577	-0.3466	2.80E-06	2.42E-05	Down-regulated
NM_015231	NUP160	23279	12.1711	12.7764	10.1379	9.33562	-0.3467	0.0001313	0.0008258	Down-regulated
NM_014668	GREB1	9687	16.441	16.7585	13.3394	12.6142	-0.347	1.58E-08	1.83E-07	Down-regulated
NM_004390	CTSH	1512	20.4603	20.3061	15.7803	15.8633	-0.3473	0.0088041	0.0332255	Down-regulated
NM_005176	unit 9)(ATP5	517	212.056	200.252	160.913	160.811	-0.3474	5.09E-08	5.57E-07	Down-regulated
NM_002635	SLC25A3	5250	208.109	207.239	157.44	167.199	-0.3477	8.13E-13	1.43E-11	Down-regulated
NM_032928	TMEM141	85014	50.8042	47.1202	36.3496	39.5305	-0.3478	0.0097879	0.0363139	Down-regulated
NM_020639	RIPK4	54101	37.1484	36.5184	29.3592	28.1874	-0.3482	3.67E-09	4.57E-08	Down-regulated
NM_004618	) III alpha(TC	7156	6.87387	8.27362	5.88983	5.86989	-0.3484	0.0056876	0.022893	Down-regulated
NM_017780	CHD7	55636	4.65211	5.27736	3.68819	4.03412	-0.3487	0.0017249	0.0082004	Down-regulated
NM_001144	AMFR	267	22.9628	22.3705	17.0749	18.2658	-0.3488	1.28E-05	9.86E-05	Down-regulated
NM_003104	SORD	6652	40.1251	35.8502	29.1649	30.0635	-0.3491	3.35E-05	0.0002377	Down-regulated
NM_001127211	SHTN1	57698	12.1243	11.9049	9.11545	9.61012	-0.3493	4.09E-05	0.0002848	Down-regulated
NM_000075	CDK4	1019	106.859	104.21	80.4621	84.3091	-0.3493	9.15E-11	1.35E-09	Down-regulated
NM_032217	ANKRD17	26057	6.33317	5.30585	4.69177	4.3422	-0.35	0.0037862	0.0161515	Down-regulated
NM_005837	POP7	10248	122.817	122.623	92.4917	98.5889	-0.3505	5.68E-06	4.70E-05	Down-regulated
NM_015062	PPRC1	23082	9.99681	9.36145	7.76148	7.2831	-0.3505	0.0004794	0.002654	Down-regulated
NM_018256	WDR12	55759	22.8146	21.7011	16.8793	17.713	-0.3505	0.0005607	0.0030487	Down-regulated
NM_032590	KDM2B	84678	13.0391	13.2919	10.3556	10.1649	-0.3505	1.03E-05	8.10E-05	Down-regulated
NM_002254	KIF3C	3797	53.156	53.5103	42.5512	40.7093	-0.3507	1.47E-14	3.02E-13	Down-regulated
NM_001242559	MAP4K4	9448	10.8332	10.9888	8.05789	8.9412	-0.3508	5.38E-05	0.0003667	Down-regulated
NM_017672	TRPM7	54822	5.10601	5.88309	4.44184	4.08372	-0.351	0.00226	0.010323	Down-regulated
NM_005796	NUTF2	10204	34.5592	33.5445	26.5614	26.4649	-0.3513	6.17E-06	5.07E-05	Down-regulated
NM_019896	POLE4	56655	96.9319	96.49	76.1882	73.7091	-0.3517	0.0007134	0.0037864	Down-regulated
NM_015169	RRS1	23212	27.2102	26.1766	20.0041	21.3891	-0.3519	0.0015384	0.0074255	Down-regulated
NM_152326	ANKRD9	122416	21.9746	21.3549	16.5991	16.9507	-0.3522	0.0041427	0.0174119	Down-regulated
NM_001136195	TNPO2	30000	16.7354	16.4149	12.8298	12.9683	-0.3525	9.21E-07	8.59E-06	Down-regulated
NM_021178	CCNB1IP1	57820	21.8321	21.8492	17.2573	16.5101	-0.3526	0.0063624	0.0251741	Down-regulated
NM_006600	NUDC	10726	176.13	173.728	136.918	135.556	-0.3534	1.49E-17	3.75E-16	Down-regulated
NM_031280	MRPS15	64960	113.205	98.7895	85.6013	78.7304	-0.3535	0.0007103	0.0037733	Down-regulated
NM_001127196	CNBP	7555	34.4216	35.7684	26.957	27.6555	-0.3537	5.81E-08	6.32E-07	Down-regulated
NM_016312	WBP11	51729	40.3237	39.7249	31.7563	30.5111	-0.3538	1.73E-07	1.79E-06	Down-regulated
NM_006330	LYPLA1	10434	35.8899	31.9366	24.2573	28.2474	-0.3545	0.0013995	0.0068651	Down-regulated
NM_001035507	AGBL5	60509	10.9496	10.5065	8.01926	8.5169	-0.3546	0.0124642	0.0446232	Down-regulated
NM_012225	NUBP2	10101	45.7384	47.0569	36.7615	35.1383	-0.3549	0.0001318	0.0008281	Down-regulated
NM_016329	SFMBT1	51460	8.26631	8.0377	6.77693	5.82007	-0.3551	0.0064713	0.025547	Down-regulated
NM_002952	RPS2	6187	2771.74	2597.55	2093.54	2079.91	-0.3552	1.85E-17	4.60E-16	Down-regulated
NM_006233	POLR2I	5438	71.5587	65.4915	52.724	53.1787	-0.356	0.0013219	0.0065315	Down-regulated

NM_014487	ZNF330	27309	35.5962	30.4907	24.694	26.3259	-0.3564	0.0022269	0.0101913	Down-regulated
NM_002766	PRPSAP1	5635	21.9384	20.8498	16.9993	16.1165	-0.3567	0.0005021	0.0027609	Down-regulated
NM_032012	TMEM245	23731	6.9387	7.14453	5.43268	5.48278	-0.3569	5.39E-05	0.0003673	Down-regulated
NM_004864	GDF15	9518	318.345	313.358	252.379	237.97	-0.3577	1.06E-14	2.19E-13	Down-regulated
NM_001003796	U6.U5(SNU6)	4809	116.177	110.897	86.1383	89.9204	-0.358	7.93E-09	9.51E-08	Down-regulated
NM_005063	SCD	6319	342.861	344.589	269.987	264.113	-0.3581	5.64E-38	3.48E-36	Down-regulated
NM_001689	unit 9)(ATP5	518	63.3023	61.2451	46.4412	50.1544	-0.3582	3.92E-08	4.35E-07	Down-regulated
NM_003683	RRP1	8568	63.0504	58.7488	46.9306	47.4559	-0.3582	1.28E-06	1.17E-05	Down-regulated
NM_003851	CREG1	8804	32.9257	31.5496	26.598	23.2267	-0.3586	0.0007502	0.0039696	Down-regulated
NM_025234	WDR61	80349	43.4287	43.2361	34.6013	32.3226	-0.3586	0.0003921	0.0022132	Down-regulated
NM_015024	XPO7	23039	19.472	19.1398	15.2909	14.6349	-0.3587	3.99E-07	3.91E-06	Down-regulated
NM_015922	id dehydroge	50814	26.6292	28.4208	21.7869	20.6711	-0.359	0.0020979	0.0096965	Down-regulated
NM_006844	ILVBL	10994	62.7194	62.155	49.5359	47.2487	-0.3594	3.02E-09	3.80E-08	Down-regulated
NM_000436	OXCT1	5019	25.3686	24.9726	19.6872	19.3018	-0.3595	4.17E-07	4.08E-06	Down-regulated
NM_001037738	NPM1	4869	299.24	263.182	216.897	218.46	-0.3598	3.28E-07	3.24E-06	Down-regulated
NM_032333	FAM213A	84293	31.9855	35.0206	25.7371	25.9899	-0.3601	0.0004064	0.0022887	Down-regulated
NM_001634	AMD1	262	45.8764	42.6245	33.2887	35.2305	-0.3602	1.93E-07	1.97E-06	Down-regulated
NM_002617	PEX10	5192	25.8511	28.1056	21.8013	19.8106	-0.3603	0.0011721	0.005869	Down-regulated
NM_198830	ACLY	47	23.7555	25.147	18.787	19.0636	-0.3605	2.68E-07	2.68E-06	Down-regulated
NM_003981	PRC1	9055	15.6988	15.3857	12.2891	11.7046	-0.3611	0.0002571	0.0015114	Down-regulated
NM_004595	SMS	6611	89.9342	84.7086	68.025	67.105	-0.3613	5.74E-09	7.02E-08	Down-regulated
NM_014521	SH3BP4	23677	26.1461	26.107	20.7317	19.7199	-0.3614	3.08E-09	3.87E-08	Down-regulated
NM_006023	CDC123	8872	90.2886	85.4659	68.8636	67.089	-0.3615	5.85E-08	6.35E-07	Down-regulated
NM_003011	SET	6418	153.152	148.303	114.846	118.604	-0.3619	1.01E-18	2.72E-17	Down-regulated
NM_001321291	USP36	57602	10.3481	11.4973	8.50729	8.34052	-0.3621	0.0001666	0.0010228	Down-regulated
NM_015955	MEMO1	51072	19.2706	19.3434	13.5197	16.0974	-0.3625	0.0104012	0.038266	Down-regulated
NM_004689	MTA1	9112	18.1588	19.7349	15.5268	13.6335	-0.3627	0.0017684	0.0083697	Down-regulated
NM_032864	PRPF38A	84950	16.6966	16.3388	13.0166	12.4492	-0.3629	0.0004517	0.0025148	Down-regulated
NM_181489	ZNF445	353274	3.03162	3.12603	2.4776	2.25862	-0.363	0.0041004	0.0172799	Down-regulated
NM_001276760	TP53	7157	24.1019	22.2276	17.0909	18.6126	-0.363	0.0004062	0.0022881	Down-regulated
NM_006370	VTTIB	10490	38.2878	35.4876	29.9302	26.7819	-0.3633	0.0025867	0.0116131	Down-regulated
NM_031946	AGAP3	116988	24.0338	27.0423	20.8925	18.4374	-0.3633	0.0005044	0.0027711	Down-regulated
NM_001025235	TSPAN4	7106	19.5143	19.0277	15.2005	14.3252	-0.3638	0.0121568	0.0436944	Down-regulated
NM_017952	PTCD3	55037	8.62403	7.92051	6.34546	6.40217	-0.3639	0.0001569	0.0009696	Down-regulated
NM_003253	TIAM1	7074	7.08065	7.52514	5.49475	5.75232	-0.3649	0.00018	0.0010933	Down-regulated
NM_001040158	H2AFY	9555	37.4071	38.6289	29.5148	29.0536	-0.3649	1.09E-05	8.55E-05	Down-regulated
NM_018715	RCC2	55920	45.9235	46.8509	36.9784	34.6706	-0.365	2.92E-10	4.12E-09	Down-regulated
NM_001330437	PTPN11	5781	8.86642	9.2205	6.28348	7.59918	-0.3654	0.0028942	0.0127683	Down-regulated
NM_004763	ITGB1BP1	9270	13.1826	12.4575	10.0633	9.55556	-0.3655	0.0128311	0.0457056	Down-regulated
NM_014765	TOMM20	9804	54.3072	53.7465	40.1808	43.23	-0.3656	1.20E-09	1.58E-08	Down-regulated
NM_020385	REXO4	57109	26.6116	25.6743	19.7385	20.5264	-0.3656	4.06E-05	0.0002825	Down-regulated
NM_001743	CALM2	805	356.859	335.598	267.555	266.814	-0.366	6.89E-15	1.44E-13	Down-regulated
NM_013975	LIG3	3980	10.6407	11.2338	7.57524	9.1574	-0.3663	0.0078003	0.0300113	Down-regulated
NM_013257	SGK3	23678	6.72604	6.35547	5.01274	4.99854	-0.3664	0.0060527	0.0241439	Down-regulated
NM_002843	PTPRJ	5795	11.2508	12.206	9.14589	8.92145	-0.3665	3.62E-06	3.08E-05	Down-regulated
NM_032194	RPF2	84154	9.34221	8.75522	6.37076	7.46955	-0.3666	0.0092073	0.0345152	Down-regulated
NM_014053	FLVCR1	28982	3.6119	3.70891	2.84031	2.74658	-0.3667	0.0133915	0.0473661	Down-regulated
NM_001301210	MYEF2	50804	9.12244	8.51182	6.48532	7.0536	-0.3668	0.0006981	0.0037144	Down-regulated
NM_005964	MYH10	4628	20.5917	22.0228	16.9051	15.9427	-0.3668	4.21E-08	4.65E-07	Down-regulated
NM_006335	ast)(TIMM17	10440	72.1286	69.8431	53.8444	55.5136	-0.367	5.57E-08	6.07E-07	Down-regulated
NM_015160	PMPCA	23203	42.8768	42.245	33.6817	31.8711	-0.3671	1.16E-06	1.06E-05	Down-regulated
NM_001412	EIF1AX	1964	27.7323	27.3461	21.1068	21.3614	-0.3671	1.11E-09	1.47E-08	Down-regulated
NM_015143	METAP1	23173	26.5524	25.3585	19.077	20.8427	-0.3673	5.63E-05	0.0003817	Down-regulated
NM_021814	ELOVL5	60481	37.0345	37.2803	27.7422	29.5206	-0.3673	1.16E-07	1.22E-06	Down-regulated
NM_003400	XPO1	7514	52.8003	52.8829	41.3549	40.1257	-0.3683	2.76E-16	6.34E-15	Down-regulated
NM_004656	NAP1L1	4673	22.1702	20.9026	16.7111	16.4535	-0.3683	4.26E-08	4.71E-07	Down-regulated
NM_003377	VEGFB	7423	26.4326	22.8189	19.2257	18.4169	-0.369	0.0038374	0.016337	Down-regulated
NM_002135	NR4A1	3164	17.3868	16.5466	12.2505	13.7283	-0.3694	0.0014301	0.0069901	Down-regulated
NM_014389	PELP1	27043	63.3758	64.0638	49.7861	48.3435	-0.3697	4.49E-15	9.60E-14	Down-regulated
NM_014165	NDUFAF4	29078	11.4212	10.5536	8.64493	8.072	-0.3701	0.0109886	0.0401238	Down-regulated
NM_017623	CNNM3	26505	11.1827	12.4542	9.12963	9.00784	-0.3703	0.0002544	0.0014973	Down-regulated
NM_174889	NDUFAF2	91942	149.055	118.925	96.6941	107.355	-0.3704	0.0077352	0.0298098	Down-regulated
NM_173517	VKORC1L1	154807	4.41415	4.58429	3.3802	3.48893	-0.3707	0.0049296	0.0202429	Down-regulated
NM_014719	TCAF1	9747	10.0744	11.7059	7.39752	9.21306	-0.371	0.0088643	0.0334129	Down-regulated
NM_017911	FAM118A	55007	8.18586	8.21298	6.13676	6.34973	-0.3715	0.010126	0.0374387	Down-regulated
NM_005733	KIF20A	10112	13.0309	12.6248	9.39873	10.2274	-0.3717	0.000666	0.0035595	Down-regulated
NM_001303274	ACLY	47	76.1283	74.8559	59.6147	56.4675	-0.3721	2.16E-15	4.74E-14	Down-regulated
NM_016338	IPO11	51194	7.59383	7.42895	5.27434	6.17181	-0.3722	0.0068796	0.0269416	Down-regulated
NM_016059	PP1L1	51645	22.8341	25.9085	18.7949	18.378	-0.3722	0.0030131	0.0132134	Down-regulated
NM_002101	blood group)	2995	109.651	94.5122	75.4547	80.7766	-0.3722	0.0001517	0.000942	Down-regulated
NM_001128917	TOMM40	10452	27.6247	27.6709	21.8051	20.4861	-0.3726	0.0003408	0.0019526	Down-regulated
NM_020761	RPTOR	57521	15.7831	16.3971	13.5614	11.0449	-0.3726	0.0006983	0.0037147	Down-regulated
NM_031463	HSDL1	83693	17.4655	16.3857	12.8109	13.123	-0.3726	3.72E-05	0.0002609	Down-regulated
NM_001286616	ANO4	121601	15.4165	14.2846	12.7682	9.81111	-0.373	0.0112322	0.0408497	Down-regulated
NM_016498	MTFP1	51537	26.6766	26.6035	21.31	19.2953	-0.3731	0.0059278	0.0236952	Down-regulated
NM_001258373	SPATA20	64847	31.548	24.6596	20.3688	22.4285	-0.3732	0.0064355	0.0254318	Down-regulated
NM_001170535	ATAD3A	55210	66.1127	66.9415	50.1857	51.9642	-0.3734	2.10E-11	3.28E-10	Down-regulated
NM_024656	transferase 1	79709	363.23	362.488	285.432	272.209	-0.3736	2.13E-25	8.46E-24	Down-regulated
NM_001206844	TGOLN2	10618	6.76834	6.29259	4.8367	5.13482	-0.3739	0.000948	0.0048808	Down-regulated
NM_001005339	RGS10	6001	50.617	46.4219	37.4645	36.4178	-0.3739	0.0033675	0.0145605	Down-regulated
NM_001281534	EPB41L3	23136	11.2673	10.8029	8.49366	8.36852	-0.3743	0.000236	0.0013968	Down-regulated
NM_152298	NASP	4678	34.215	32.4633	25.1648	25.8894	-0.3744	6.55E-06	5.35E-05	Down-regulated
NM_001135653	tein cytoplasmic	8761	37.5099	42.3687	30.4432	30.7286	-0.3746	6.06E-06	4.99E-05	Down-regulated
NM_006387	CHERP	10523	58.041	58.4766	46.0151	43.3793	-0.3748	7.25E-13	1.28E-11	Down-regulated

NM_015533	TKFC	26007	13.0291	12.766	10.3185	9.39008	-0.375	0.0001757	0.0010707	Down-regulated
NM_006293	TYRO3	7301	37.2583	36.7099	29.1479	27.5582	-0.3751	7.67E-10	1.03E-08	Down-regulated
NM_000532	PCCB	5096	46.0939	45.4929	35.1288	35.0054	-0.3751	9.88E-07	9.17E-06	Down-regulated
NM_001271845	TBC1D16	125058	62.551	66.4376	49.8877	49.0945	-0.3753	2.24E-17	5.53E-16	Down-regulated
NM_001170634	FUS	2521	26.748	28.1942	22.5039	19.522	-0.3754	2.03E-05	0.0001506	Down-regulated
NM_003642	HAT1	8520	34.7496	34.1899	26.6929	26.0068	-0.3756	7.06E-05	0.000469	Down-regulated
NM_144998	CENPX	201254	81.9869	77.3194	62.4363	58.9886	-0.3758	0.0010383	0.005275	Down-regulated
NM_005124	NUP153	9972	10.85	10.7612	8.33007	8.20378	-0.3762	5.02E-06	4.18E-05	Down-regulated
NM_015425	POLR1A	25885	8.19814	8.86351	6.70962	6.32656	-0.3765	2.43E-05	0.0001775	Down-regulated
NM_004301	ACTL6A	86	59.0243	55.3942	44.3635	43.1379	-0.3766	3.15E-07	3.12E-06	Down-regulated
NM_006391	IPO7	10527	54.4297	53.0641	40.3501	42.0449	-0.3767	1.17E-17	2.95E-16	Down-regulated
NM_000270	PNP	4860	21.8067	21.8468	14.5115	18.599	-0.377	0.0084603	0.0321756	Down-regulated
NM_001145771	ADGRG1	9289	84.0489	84.2436	65.8484	63.0015	-0.3783	1.15E-18	3.08E-17	Down-regulated
NM_007067	KAT7	11143	11.6704	12.2848	8.51671	9.72024	-0.3785	0.0016862	0.0080344	Down-regulated
NM_001308263	RNNMT	8731	8.97823	7.81559	6.72463	6.00754	-0.3786	0.0073497	0.0285488	Down-regulated
NM_006753	SURF6	6838	27.7852	28.1242	22.0088	20.6223	-0.3788	2.60E-05	0.0001883	Down-regulated
NM_015201	BOP1	23246	106.876	125.185	92.3924	84.6248	-0.3789	2.52E-05	0.0001835	Down-regulated
NM_001105206	LAMA4	3910	4.08194	3.61004	2.77793	3.04743	-0.3791	0.0087874	0.0331688	Down-regulated
NM_052859	RFT1	91869	5.3291	5.56564	4.15025	4.12047	-0.3792	0.0038831	0.0165021	Down-regulated
NM_020964	EPG5	57724	3.46867	3.79365	2.8277	2.70043	-0.3794	0.0004288	0.002401	Down-regulated
NM_001170649	LAS1L	81887	17.805	19.3337	14.5468	13.6761	-0.3795	0.0008286	0.0043315	Down-regulated
NM_000310	PPT1	5538	113.862	112.068	85.3392	87.4405	-0.3798	6.12E-18	1.57E-16	Down-regulated
NM_001611	ACP5	54	106.904	111.137	81.2377	85.1753	-0.3805	1.71E-09	2.20E-08	Down-regulated
NM_014342	MTCH2	23788	53.8346	52.6476	39.9038	41.3908	-0.3809	2.94E-10	4.15E-09	Down-regulated
NM_013393	MRM2	29960	20.4277	19.983	14.8118	15.797	-0.3811	0.0039559	0.0167671	Down-regulated
NM_030810	TXNDC5	81567	139.88	137.209	105.308	106.488	-0.3811	3.70E-26	1.53E-24	Down-regulated
NM_018121	SLF2	55719	5.02712	4.93419	3.89236	3.66727	-0.3811	0.0008652	0.0045066	Down-regulated
NM_005348	HSP90AA1	3320	492.616	481.449	362.904	381.405	-0.3814	2.93E-24	1.09E-22	Down-regulated
NM_001284214	TRIP12	9320	6.46088	6.55881	4.96964	4.94801	-0.3816	2.47E-06	2.16E-05	Down-regulated
NM_174931	GPATCH11	253635	8.84098	9.07064	7.05391	6.53053	-0.3821	0.0015899	0.0076365	Down-regulated
NM_001287	CLCN7	1186	93.4255	100.38	77.0289	70.7682	-0.3826	1.20E-09	1.58E-08	Down-regulated
NM_001017919	RCCD1	91433	13.8126	14.0151	11.1252	9.96523	-0.3827	0.002062	0.0095559	Down-regulated
NM_002741	PKN1	5585	125.163	124.399	98.0636	92.3877	-0.3827	1.72E-16	4.02E-15	Down-regulated
NM_001294340	ZC3H18	124245	8.76745	8.6215	6.51332	6.66089	-0.383	0.0013877	0.0068175	Down-regulated
NM_002079	GOT1	2805	23.4965	23.369	17.9581	17.6373	-0.3833	0.0001127	0.000718	Down-regulated
NM_001201377	ALDH7A1	501	16.1053	15.9432	12.2906	12.1152	-0.3839	2.53E-07	2.54E-06	Down-regulated
NM_001916	CYC1	1537	349.091	332.442	264.903	254.326	-0.3842	2.12E-15	4.65E-14	Down-regulated
NM_015434	INTS7	25896	5.8579	6.14479	4.14027	4.90324	-0.3843	0.0116134	0.0419861	Down-regulated
NM_012426	SF3B3	23450	23.9263	23.9205	18.1208	18.3538	-0.3845	4.02E-18	1.05E-16	Down-regulated
NM_144683	DHRS13	147015	18.3009	17.5863	14.657	12.4163	-0.3847	0.00719	0.0280081	Down-regulated
NM_015102	NPHP4	261734	6.17523	5.98343	4.76888	4.43003	-0.3852	0.0026779	0.011966	Down-regulated
NM_024644	C14orf169	79697	15.9755	15.982	12.5417	11.6648	-0.3853	0.0008426	0.0043978	Down-regulated
NM_004559	YBX1	4904	652.935	612.005	482.178	481.44	-0.3856	4.73E-21	1.48E-19	Down-regulated
NM_024665	TBL1XR1	79718	15.7798	15.2465	11.7712	11.8411	-0.3859	1.91E-10	2.76E-09	Down-regulated
NM_001128916	TOMM40	10452	86.5072	68.5825	59.2375	58.0918	-0.3861	0.0010193	0.005194	Down-regulated
NM_002726	PREP	5550	25.6818	24.6598	18.3972	19.8212	-0.3861	8.90E-06	7.08E-05	Down-regulated
NM_015367	BCL2L13	23786	10.3004	10.2133	8.66439	6.81797	-0.3862	0.0053844	0.0218938	Down-regulated
NM_004622	TSN	7247	27.6091	26.4814	20.5503	20.5687	-0.3862	8.39E-08	8.93E-07	Down-regulated
NM_030653	DDX11	1663	23.2706	25.1916	18.5827	18.2344	-0.3864	9.11E-07	8.51E-06	Down-regulated
NM_015044	GGA2	23062	9.10247	8.84988	6.91156	6.7147	-0.3867	2.71E-05	0.0001961	Down-regulated
NM_017891	C1orf159	54991	14.1456	13.0731	10.4463	10.0652	-0.387	0.0055181	0.0223237	Down-regulated
NM_024026	MRPL57	78988	13.8449	12.0677	9.69817	9.85338	-0.3873	0.0041317	0.0173786	Down-regulated
NM_012458	TMEM13	26517	78.2934	74.1922	57.3735	58.1654	-0.3874	3.51E-10	4.91E-09	Down-regulated
NM_001009993	FAM168B	130074	30.6111	31.9365	24.4805	23.0545	-0.3877	3.71E-10	5.18E-09	Down-regulated
NM_014067	MACROD1	28992	110.756	102.488	81.058	80.6601	-0.3882	9.34E-08	9.91E-07	Down-regulated
NM_012073	CCT5	22948	133.359	126.872	97.5578	100.278	-0.3885	2.88E-19	8.16E-18	Down-regulated
NM_025150	nitative)(TAR	80222	20.5667	20.6081	16.5526	14.5688	-0.3886	0.000259	0.0015201	Down-regulated
NM_001082959	SCARB1	949	14.7789	14.0424	12.0601	9.60105	-0.3887	0.0108422	0.0396633	Down-regulated
NM_015056	RRP1B	23076	19.6015	18.7016	14.3374	14.7278	-0.389	4.06E-08	4.50E-07	Down-regulated
NM_002334	LRP4	4038	3.82635	4.11622	3.23184	2.74125	-0.3895	0.006235	0.0247623	Down-regulated
NR_046252	FGD5-AS1	1E+08	24.9017	26.1546	20.4383	18.2184	-0.3898	1.04E-05	8.12E-05	Down-regulated
NM_001346754	M_00134675	NA	7.9588	8.46533	6.55573	5.78	-0.3901	0.0112328	0.0408497	Down-regulated
NM_006409	ARPC1A	10552	151.761	145.235	109.191	116.045	-0.3903	2.16E-11	3.36E-10	Down-regulated
NM_001008392	CTDSP1	10217	7.68997	8.23323	6.39188	5.57387	-0.3906	0.0034069	0.0147209	Down-regulated
NM_052963	mitochondrial	116447	46.0736	45.4403	35.6568	33.6364	-0.3912	5.17E-07	5.00E-06	Down-regulated
NM_000143	FH	2271	44.3137	40.8759	33.2681	31.1222	-0.3916	1.85E-05	0.0001376	Down-regulated
NM_024718	RABL6	55684	95.2635	97.0513	74.9761	70.8177	-0.392	2.64E-15	5.74E-14	Down-regulated
NM_006122	MAN2A2	4122	13.6936	12.0307	8.42224	10.8969	-0.3922	0.0050586	0.0207146	Down-regulated
NM_001111019	NAV2	89797	21.2506	20.9853	15.3977	16.5964	-0.3923	1.24E-10	1.82E-09	Down-regulated
NM_032273	TMEM126A	84233	36.8071	35.0085	25.8457	27.711	-0.3932	0.0135156	0.0477608	Down-regulated
NM_020315	PDXP	57026	36.9091	35.7659	28.7174	26.1213	-0.3933	2.12E-05	0.0001564	Down-regulated
NM_005363	MAGEA6	4105	61.0034	68.9725	45.8527	52.1452	-0.3935	0.0001494	0.0009284	Down-regulated
NM_024313	NOL12	79159	7.94955	8.09762	5.72617	6.28477	-0.3937	0.010756	0.039416	Down-regulated
NM_018353	MIS18BP1	55320	5.41591	5.37729	4.20355	3.8894	-0.3947	0.0047741	0.0196721	Down-regulated
NM_001289405	MMS19	64210	21.8156	20.1151	15.1117	16.4887	-0.3947	2.76E-05	0.0001991	Down-regulated
NR_046322	STARD7-AS1	285033	14.2185	13.9643	9.77672	11.365	-0.3951	0.0036776	0.0157516	Down-regulated
NM_177983	PPM1G	5496	93.2727	90.3821	70.4176	68.4059	-0.3959	2.38E-14	4.82E-13	Down-regulated
NM_001025070	RPS14	6208	56.3732	51.0673	41.7825	38.4097	-0.396	0.0052865	0.0215461	Down-regulated
NM_006067	EMC8	10328	14.4577	15.5412	11.4711	10.9955	-0.3966	0.0041423	0.0174119	Down-regulated
NM_001256802	RPS3	6188	704.695	665.786	521.192	514.225	-0.3967	3.49E-22	1.15E-20	Down-regulated
NM_006062	SMYD5	10322	11.5614	11.335	8.91143	8.25582	-0.3973	0.0031713	0.0137933	Down-regulated
NM_015354	NUP188	23511	14.511	14.605	11.1717	10.7934	-0.3973	7.65E-08	8.17E-07	Down-regulated
NM_013319	UBIAD1	29914	8.21936	7.98256	5.92316	6.21643	-0.3974	0.0021471	0.0098854	Down-regulated
NM_030796	VOPP1	81552	17.6398	18.5192	13.7084	13.4896	-0.3977	3.74E-05	0.0002625	Down-regulated

NM_001569	IRAK1	3654	73.1316	70.2887	55.2856	53.0056	-0.3977	6.07E-15	1.28E-13	Down-regulated
NM_023936	MRPS34	65993	113.318	116.003	90.6119	81.9748	-0.3978	2.15E-06	1.90E-05	Down-regulated
NM_003569	STX7	8417	30.7142	28.0275	22.0033	22.284	-0.398	5.38E-08	5.87E-07	Down-regulated
NM_177433	MAGED2	10916	190.247	200.554	148.207	146.737	-0.3986	1.00E-18	2.71E-17	Down-regulated
NM_001080470	ZNF697	90874	10.9237	11.6913	8.10358	8.88461	-0.3991	9.09E-05	0.0005892	Down-regulated
NM_002453	MTIF2	4528	18.168	20.6617	13.9316	15.1527	-0.3991	0.0010281	0.0052328	Down-regulated
NM_007105	SLC22A18A5	5003	19.331	20.2024	14.9822	14.6882	-0.3993	0.000169	0.0010341	Down-regulated
NM_003090	SNRPA1	6627	55.8111	46.225	41.5366	34.3946	-0.4	0.00959	0.0356978	Down-regulated
NM_001134382	IQSEC1	9922	6.81305	6.47457	5.0626	4.92083	-0.4	4.54E-05	0.0003132	Down-regulated
NM_015720	PODXL2	50512	70.7936	65.6904	48.9985	53.6562	-0.4	2.45E-07	2.47E-06	Down-regulated
NM_001121	ADD3	120	15.1993	12.6311	9.9164	10.9087	-0.4005	0.001499	0.0072585	Down-regulated
NM_020117	LARS	51520	38.9454	38.7105	28.8593	29.6734	-0.4005	1.75E-15	3.86E-14	Down-regulated
NM_002687	PNN	5411	36.381	39.2523	27.7424	29.1819	-0.4005	2.59E-08	2.92E-07	Down-regulated
NM_014046	MRPS18B	28973	62.6982	55.4776	43.7774	44.9335	-0.4006	2.32E-05	0.0001703	Down-regulated
NM_001001894	TTC3	7267	4.86763	4.22686	3.41528	3.37802	-0.4007	0.002052	0.0095139	Down-regulated
NM_002338	LSAMP	4045	3.35582	3.42682	2.37874	2.68367	-0.4014	0.0019905	0.0092591	Down-regulated
NM_002197	ACO1	48	13.3124	12.6618	9.14142	10.2915	-0.402	0.0004875	0.0026927	Down-regulated
NM_001286659	TBC1D4	9882	8.31512	8.43721	6.05362	6.50496	-0.4022	3.50E-05	0.0002475	Down-regulated
NM_015229	CLUH	23277	90.3135	95.7722	70.7461	69.3546	-0.4025	2.17E-18	5.71E-17	Down-regulated
NM_199129	TMEM189	387521	26.3421	30.7953	22.4102	20.2794	-0.4025	0.000801	0.0041976	Down-regulated
NM_000620	HBS1L	10767	7.82378	7.71642	5.50697	6.14307	-0.4028	6.37E-05	0.0004263	Down-regulated
NM_022341	ochondrial)(F	64146	28.461	33.4099	23.9659	21.9607	-0.4038	0.0081815	0.0312775	Down-regulated
NM_198066	GNPNA1T1	64841	12.5661	12.363	9.21435	9.46256	-0.4041	3.41E-05	0.0002413	Down-regulated
NM_013382	POMT2	29954	13.0898	12.7148	10.111	9.22637	-0.4042	1.67E-05	0.0001257	Down-regulated
NM_032315	SLC25A33	84275	26.4446	26.3948	19.6704	19.733	-0.4045	0.0006566	0.0035122	Down-regulated
NM_015131	WDR43	23160	25.043	23.6642	17.7755	18.7512	-0.4048	4.23E-07	4.13E-06	Down-regulated
NM_000696	ALDH9A1	223	28.7069	28.5	20.2615	22.5554	-0.4056	1.48E-05	0.0001128	Down-regulated
NM_001195427	SRSF2	6427	91.3401	88.4513	67.3701	67.5762	-0.4058	1.33E-13	2.53E-12	Down-regulated
NM_033428	TMEM261	90871	16.6113	16.7871	12.1005	12.8471	-0.406	0.0002707	0.0015836	Down-regulated
NM_003017	SRSF3	6428	86.2302	80.6823	61.2491	63.993	-0.406	9.30E-13	1.63E-11	Down-regulated
NM_021128	POLR2L	5441	156.013	146.077	106.688	119.152	-0.4061	6.49E-06	5.31E-05	Down-regulated
NM_001002257	LCLAT1	253558	4.59507	5.24578	3.7556	3.53755	-0.4062	0.0094963	0.0354295	Down-regulated
NM_018656	SLC35E3	55508	9.61903	9.96496	7.37684	7.12645	-0.407	0.0073353	0.0285101	Down-regulated
NM_003905	NAE1	8883	42.3083	39.4428	29.5389	31.5776	-0.407	1.12E-05	8.77E-05	Down-regulated
NM_032907	UBL7	84993	52.4408	49.4434	38.5104	37.645	-0.4075	4.81E-06	4.03E-05	Down-regulated
NM_002823	PTMA	5757	780.359	753.26	559.93	589.759	-0.4076	1.75E-21	5.56E-20	Down-regulated
NM_031484	MARVELD1	83742	38.0417	39.2974	29.5948	28.3338	-0.4081	4.19E-10	5.81E-09	Down-regulated
NM_080476	PIGU	128869	21.6095	22.8163	17.4397	15.6081	-0.4082	0.0011217	0.0056429	Down-regulated
NM_014763	MRPL19	9801	5.70957	5.65875	4.17402	4.3126	-0.4082	4.97E-05	0.0003409	Down-regulated
NM_001174081	NLRP2	55655	7.92524	8.2056	5.86843	6.13236	-0.4085	0.0020263	0.009411	Down-regulated
NM_020188	CMC2	56942	102.506	95.9198	72.1472	75.5078	-0.4087	0.0001115	0.0007114	Down-regulated
NM_005931	MICB	4277	10.735	9.51323	7.6673	7.30176	-0.4087	0.0078003	0.0300113	Down-regulated
NM_033375	MYO1C	4641	38.7011	38.4925	28.8265	29.0312	-0.4088	2.73E-16	6.29E-15	Down-regulated
NM_001931	DLAT	1737	18.1654	19.5225	13.1704	14.9611	-0.4091	3.37E-05	0.000239	Down-regulated
NM_004255	COX5A	9377	224.555	201.287	158.555	159.132	-0.4093	5.90E-07	5.65E-06	Down-regulated
NM_015933	TMA7	51372	432.238	396.572	315.747	302.503	-0.4093	3.17E-08	3.54E-07	Down-regulated
NM_003940	tidase T-3)(L	8975	7.21666	7.82149	5.43301	5.78933	-0.4096	2.76E-05	0.0001992	Down-regulated
NM_005861	STUB1	10273	75.9592	77.3259	58.2699	56.2984	-0.4102	5.73E-10	7.78E-09	Down-regulated
NM_001012994	SNX30	401548	11.9526	11.8833	8.97749	8.83546	-0.4109	2.80E-09	3.52E-08	Down-regulated
NM_018107	RBM23	55147	8.25651	9.09149	6.56386	6.2517	-0.4109	0.0102001	0.0376823	Down-regulated
NM_001005	RPS3	6188	172.959	160.651	121.39	127.978	-0.4114	9.79E-13	1.71E-11	Down-regulated
NM_001084392	DDT	1652	233.186	223.779	174.332	166.047	-0.4114	1.81E-07	1.87E-06	Down-regulated
NM_001297704	ADGRL2	23266	5.54205	5.84862	3.74483	4.67184	-0.412	0.0067856	0.026634	Down-regulated
NM_003249	THOP1	7064	40.2465	43.4921	33.0323	29.366	-0.412	6.55E-06	5.35E-05	Down-regulated
NM_012203	GRHPR	9380	80.3234	77.1047	61.0061	56.3283	-0.4122	1.03E-06	9.55E-06	Down-regulated
NM_014062	NOB1	28987	51.5321	51.1871	38.3155	38.3372	-0.4123	2.09E-08	2.40E-07	Down-regulated
NM_199185	NPM1	4869	42.9687	34.896	29.1051	28.4895	-0.4123	0.0029393	0.0129457	Down-regulated
NM_004708	PDCD5	9141	279.531	262.878	187.117	215.488	-0.4124	3.37E-05	0.000239	Down-regulated
NM_015423	AASDHPPT	60496	17.4023	16.4105	12.7899	12.3652	-0.4126	7.08E-05	0.0004699	Down-regulated
NM_014984	CEP131	22994	19.1603	19.8643	15.7137	13.2876	-0.4127	0.0001731	0.0010572	Down-regulated
NM_138421	SAAL1	113174	31.473	32.4234	23.8857	23.6375	-0.4129	8.42E-05	0.0005497	Down-regulated
NM_025072	PTGES2	80142	22.6112	22.7058	17.5736	16.1084	-0.413	5.94E-05	0.0003998	Down-regulated
NM_152926	CPNE1	8904	36.517	35.0043	26.4971	26.7618	-0.4134	1.24E-06	1.14E-05	Down-regulated
NM_133259	LRPPRC	10128	33.3305	34.3365	25.1796	25.3697	-0.4134	5.95E-18	1.53E-16	Down-regulated
NM_014502	PRPF19	27339	53.9332	51.7622	39.6736	39.1758	-0.4135	1.63E-10	2.37E-09	Down-regulated
NM_003562	SLC25A11	8402	71.0072	65.4646	52.4427	49.2254	-0.4139	1.44E-07	1.50E-06	Down-regulated
NM_014641	MDC1	9656	7.30918	7.95471	5.75284	5.60683	-0.4141	2.30E-05	0.0001687	Down-regulated
NM_001005373	LRSAM1	90678	6.35059	6.73079	4.68145	4.95108	-0.4146	0.0099371	0.0368153	Down-regulated
NM_004041	ARRB1	408	4.67088	5.369	4.10362	3.2888	-0.4147	0.0087088	0.0329112	Down-regulated
NM_014611	MDN1	23195	4.04049	4.10696	3.01439	3.05554	-0.415	4.71E-08	5.18E-07	Down-regulated
NR_024542	SNHG7	84973	99.729	102.731	78.2551	72.2125	-0.415	1.40E-06	1.27E-05	Down-regulated
NM_001258379	SLC4A7	9497	8.81277	8.06691	6.79476	5.71372	-0.4153	0.000434	0.0024257	Down-regulated
NM_001128148	TFRC	7037	358.532	367.807	268.973	273.3	-0.4154	6.26E-43	4.60E-41	Down-regulated
NM_153188	TNPO1	3842	22.6078	19.7798	14.2996	17.147	-0.4158	9.98E-05	0.000643	Down-regulated
NM_006708	GLO1	2739	93.6719	88.063	65.9787	69.3852	-0.4159	5.01E-11	7.58E-10	Down-regulated
NM_003581	NCK2	8440	49.8421	48.318	35.847	37.2827	-0.4159	1.92E-10	2.77E-09	Down-regulated
NM_015302	HAUS5	23354	8.55416	9.84491	6.83893	6.78009	-0.4161	0.0010859	0.005489	Down-regulated
NM_014268	MAPRE2	10982	17.0508	16.9128	12.106	13.1412	-0.4162	1.41E-06	1.28E-05	Down-regulated
NM_014051	TMEM14A	28978	50.7215	45.954	35.5908	35.8865	-0.4162	0.0005689	0.0030883	Down-regulated
NM_178229	IQGAP3	128239	7.73835	8.55624	5.68901	6.37708	-0.4166	0.000393	0.0022171	Down-regulated
NM_001100624	CENPN	55839	6.06123	5.39898	4.22325	4.23426	-0.4167	0.0037445	0.015995	Down-regulated
NM_144609	CCDC43	124808	23.3655	23.55	17.2679	17.5316	-0.417	2.78E-05	0.0002004	Down-regulated
NM_024102	WDR77	79084	22.9691	24.8344	17.8551	17.6088	-0.4174	1.66E-05	0.0001251	Down-regulated
NM_002266	KPNA2	3838	160.956	153.372	114.673	119.267	-0.4181	3.07E-17	7.51E-16	Down-regulated

NM_001031703	ELP6	54859	38.5074	35.4605	28.2552	26.4019	-0.4184	0.0002833	0.0016498	Down-regulated
NM_173659	RPUSD3	285367	92.774	88.3874	68.6483	65.8598	-0.4186	2.76E-08	3.11E-07	Down-regulated
NM_001321967	ATAD1	84896	6.14322	5.90777	4.33744	4.54161	-0.4187	0.0024474	0.0110839	Down-regulated
NM_007176	C14orf1	11161	42.605	42.2322	29.4127	33.382	-0.4187	7.00E-05	0.0004655	Down-regulated
NM_000320	QDPR	5860	221.029	210.94	159.903	161.495	-0.4188	4.62E-20	1.38E-18	Down-regulated
NM_015004	EXOSC7	23016	52.7174	49.9771	35.4169	40.3932	-0.4189	0.0006921	0.0036844	Down-regulated
NR_033338	FAAP100	80233	7.50779	7.94163	5.78613	5.60764	-0.4192	0.0013222	0.0065315	Down-regulated
NM_001206736	NSFL1C	55968	7.98957	7.07285	5.20851	5.85913	-0.4198	0.0064456	0.0254614	Down-regulated
NM_005969	NAP1L4	4676	78.8048	75.4309	58.4877	56.1218	-0.4199	1.72E-13	3.23E-12	Down-regulated
NM_0022166	MLH1	4292	21.7606	22.2872	15.7156	16.8959	-0.4201	1.20E-05	9.27E-05	Down-regulated
NM_022832	USP46	64854	3.24546	3.36185	2.30173	2.55494	-0.4201	0.0029886	0.0131239	Down-regulated
NM_005839	SRRM1	10250	9.51286	10.6008	7.94605	6.85834	-0.4202	0.0020929	0.0096755	Down-regulated
NM_015679	TRUB2	26995	57.6262	51.5021	41.5164	39.3254	-0.4202	3.60E-06	3.07E-05	Down-regulated
NM_0022566	MESDC1	59274	107.012	103.376	81.8938	74.3667	-0.4203	9.04E-12	1.45E-10	Down-regulated
NM_000159	GCDH	2639	21.6302	18.3583	15.163	14.2183	-0.4212	0.0030157	0.0132221	Down-regulated
NM_001281715	PHB	5245	22.8887	22.2554	14.3523	18.6786	-0.4219	0.0069324	0.0271205	Down-regulated
NM_0022166	XYLT1	64131	8.06838	8.59002	6.40258	5.93509	-0.4219	1.29E-06	1.18E-05	Down-regulated
NM_001346813	M_00134681	NA	5.3308	6.17686	3.78941	4.67048	-0.4222	0.0028382	0.0125689	Down-regulated
NM_139215	TAF15	8148	74.2197	71.521	54.9408	53.1515	-0.4222	1.25E-12	2.15E-11	Down-regulated
NM_005789	PSME3	10197	67.0875	61.6742	48.0436	47.4514	-0.4224	4.83E-12	7.92E-11	Down-regulated
NM_001135654	tein cytoplasm	8761	20.2029	17.8226	14.5248	13.5326	-0.423	0.0001245	0.000786	Down-regulated
NM_022731	NUCKS1	64710	40.1352	40.2324	29.5282	30.1156	-0.4232	1.68E-22	5.62E-21	Down-regulated
NM_017751	SMPD4	55627	21.7701	19.8103	15.2385	15.4915	-0.4239	1.11E-06	1.03E-05	Down-regulated
NM_007006	NUDT21	11051	18.6688	17.931	13.4781	13.6068	-0.424	2.89E-08	3.24E-07	Down-regulated
NM_198935	SS18L1	26039	9.93771	10.2013	8.04522	6.76236	-0.4242	0.0007949	0.0041724	Down-regulated
NM_004040	RHOB	388	51.468	46.7967	37.5003	35.138	-0.4245	2.70E-07	2.70E-06	Down-regulated
NM_018126	TMEM33	55161	16.3722	16.7998	12.723	11.8305	-0.4249	4.25E-10	5.87E-09	Down-regulated
NM_003405	YWHAH	7533	68.1821	65.2384	49.2788	49.4284	-0.425	2.83E-10	4.01E-09	Down-regulated
NM_032581	FAM126A	84668	8.84664	8.42021	6.13261	6.60929	-0.4252	2.01E-05	0.0001488	Down-regulated
NM_001031701	NTSDC3	51559	4.42927	5.37088	3.79591	3.36922	-0.4252	0.0054618	0.0221426	Down-regulated
NM_001256378	MCMBP	79892	7.81428	6.88327	5.55321	5.22613	-0.4253	0.0021569	0.0099257	Down-regulated
NM_001318525	TRAPP2L	51693	15.329	15.4125	10.774	11.7929	-0.4255	0.0009197	0.0047522	Down-regulated
NM_007221	PMF1	11243	64.2696	58.6436	44.8948	45.6598	-0.4259	2.38E-05	0.0001739	Down-regulated
NM_006716	DBF4	10926	7.41544	7.17711	4.81994	5.82688	-0.4262	0.0059027	0.0236096	Down-regulated
NM_006441	rofolate cycl	10588	16.572	16.1536	11.9459	12.1324	-0.4265	0.0002073	0.0012451	Down-regulated
NM_006219	PIK3CB	5291	10.3073	10.3794	7.67277	7.59222	-0.4266	5.42E-07	5.22E-06	Down-regulated
NM_003884	KAT2B	8850	24.933	24.3631	17.5151	18.9219	-0.4267	1.42E-09	1.84E-08	Down-regulated
NM_0241103	SLC25A23	79085	36.8818	37.1759	27.8587	26.8885	-0.4268	4.78E-12	7.84E-11	Down-regulated
NM_006796	AFG3L2	10939	37.4404	37.9736	27.9287	27.8337	-0.4269	5.40E-12	8.85E-11	Down-regulated
NM_033251	RPL13	6137	69.542	67.4194	50.1134	51.2214	-0.4275	2.23E-23	7.87E-22	Down-regulated
NM_199478	PLP1	5354	95.6508	99.7484	71.274	73.2008	-0.4282	9.12E-19	2.47E-17	Down-regulated
NM_002138	HNRNPD	3184	64.5199	61.9099	44.0849	49.147	-0.4283	7.06E-08	7.58E-07	Down-regulated
NM_021204	ENOPH1	58478	23.6215	24.1997	17.9962	17.1777	-0.4287	1.67E-05	0.0001252	Down-regulated
NM_182981	OSGIN1	29948	15.0028	14.5868	11.4584	10.1488	-0.4288	0.0033363	0.0144483	Down-regulated
NM_213720	CHCHD10	400916	383.099	351.364	277.423	263.409	-0.4291	1.35E-09	1.76E-08	Down-regulated
NM_016408	CDK5RAP1	51654	19.0707	21.5647	14.743	15.0641	-0.4294	0.0004739	0.0026282	Down-regulated
NM_001301861	BOC	91653	9.14433	9.55848	7.08145	6.6466	-0.4294	0.000141	0.0008814	Down-regulated
NM_002893	RBBP7	5931	66.8927	63.837	47.5782	48.8545	-0.4296	5.17E-11	7.82E-10	Down-regulated
NM_014849	SV2A	9900	8.06132	9.14333	6.31166	6.28192	-0.43	0.0006739	0.0035976	Down-regulated
NM_005049	yeast(PWP2	5822	19.005	18.4353	14.2473	13.2989	-0.43	3.85E-06	3.26E-05	Down-regulated
NM_021121	EEF1B2	1933	49.2452	47.3069	38.55	31.6982	-0.4301	0.0057522	0.0230849	Down-regulated
NM_020471	ZFYVE21	79038	15.5533	14.58	10.7281	11.1478	-0.4306	0.0095677	0.0356354	Down-regulated
NM_012234	RYBP	23429	17.8168	16.1624	12.1254	12.8647	-0.4308	3.23E-06	2.77E-05	Down-regulated
NM_005033	EXOSC9	5393	16.9017	16.0329	11.9266	12.054	-0.431	0.0034994	0.015076	Down-regulated
NM_012385	NUPR1	26471	376.057	346.717	266.316	265.759	-0.4314	1.08E-12	1.89E-11	Down-regulated
NM_006745	MSMO1	6307	55.3277	56.4328	39.9698	42.3777	-0.4314	1.97E-10	2.83E-09	Down-regulated
NM_031210	SLIRP	81892	375.713	331.619	256.658	258.076	-0.4318	0.0002923	0.0016976	Down-regulated
NM_020162	DHX33	56919	27.3755	29.3387	22.6628	18.9731	-0.4321	1.23E-05	9.53E-05	Down-regulated
NM_001128591	PSMG4	389362	40.2863	40.2003	29.4161	29.0828	-0.4322	0.0030223	0.0132446	Down-regulated
NM_022553	VPS52	6293	11.8315	10.2019	8.45801	7.59807	-0.4323	0.0032085	0.0139394	Down-regulated
NM_002567	PEBP1	5037	189.102	189.269	135.899	142.869	-0.4327	8.32E-20	2.43E-18	Down-regulated
NM_005400	PRKCE	5581	4.3027	4.44266	3.14475	3.22702	-0.433	0.0023167	0.0105416	Down-regulated
NM_001959	EEF1B2	1933	69.9817	62.8291	48.9724	48.2499	-0.4337	2.08E-05	0.0001537	Down-regulated
NM_020718	USP31	57478	2.34146	2.18018	1.63575	1.65744	-0.434	0.0022943	0.0104548	Down-regulated
NM_024839	RPP21	79897	74.6687	71.0473	53.8585	51.599	-0.4345	0.005428	0.0220196	Down-regulated
NM_018082	POLR3B	55703	6.3267	5.99521	4.60529	4.35476	-0.4345	0.0019028	0.0089044	Down-regulated
NM_015544	TMEM98	26022	39.9451	37.9704	30.9102	26.0745	-0.4345	0.0001615	0.0009935	Down-regulated
NM_003146	SSRP1	6749	78.4237	74.3274	57.0322	55.313	-0.435	4.79E-15	1.02E-13	Down-regulated
NM_138395	MARS2	92935	7.24824	6.83264	5.15915	5.07508	-0.435	0.0050125	0.0205434	Down-regulated
NM_001330523	PYCR1	5831	24.9701	19.6523	16.4458	15.8786	-0.4351	0.0063435	0.0251256	Down-regulated
NM_005445	SMC3	9126	16.1215	15.5738	11.0276	12.1882	-0.4354	4.81E-06	4.03E-05	Down-regulated
NM_018660	ZNF395	55893	8.01904	7.74618	5.64591	5.86568	-0.436	0.0001146	0.0007294	Down-regulated
NR_047665	EPS15L1	58513	16.3217	14.5634	12.3655	10.089	-0.4361	0.0020915	0.0096716	Down-regulated
NM_006379	SEMA3C	10512	7.82633	7.6849	5.46329	5.85924	-0.4369	8.81E-05	0.0005728	Down-regulated
NM_016063	HDCC2	51020	47.5238	43.2514	32.2594	34.1426	-0.4371	7.44E-06	6.02E-05	Down-regulated
NM_030914	URM1	81605	32.2423	31.9794	23.3505	23.7695	-0.4371	4.49E-09	5.56E-08	Down-regulated
NM_003903	CDC16	8881	37.6361	33.9634	26.7353	25.6852	-0.4374	1.70E-06	1.52E-05	Down-regulated
NM_007106	UBL3	5412	18.476	17.3438	13.1278	13.1136	-0.4376	6.71E-08	7.23E-07	Down-regulated
NM_006614	CHL1	10752	5.6443	5.75396	3.97134	4.35735	-0.4379	4.17E-05	0.0002892	Down-regulated
NM_015241	MICAL3	57553	9.49683	10.5565	7.79241	6.86246	-0.438	1.39E-05	0.0001062	Down-regulated
NM_001040023	SIRPA	140885	23.7702	25.4933	18.6486	17.435	-0.438	5.31E-08	5.81E-07	Down-regulated
NM_005845	ABCC4	10257	8.06207	8.19172	5.95751	5.92286	-0.438	7.50E-06	6.05E-05	Down-regulated
NM_005563	STMN1	3925	217.156	202.749	147.837	160.039	-0.4381	6.89E-12	1.12E-10	Down-regulated
NM_001330518	PCYT2	5833	3.85797	3.69013	2.71519	2.73457	-0.4386	0.0064995	0.0256528	Down-regulated

NM_052965	TSEN15	116461	12.9472	12.7453	8.83623	9.77784	-0.4389	0.0037648	0.0160675	Down-regulated
NM_001006935	TCEAL4	79921	90.4881	76.8969	59.0468	62.9954	-0.4393	3.30E-05	0.0002346	Down-regulated
NM_015902	UBR5	51366	11.2206	10.9819	8.7464	7.48528	-0.4394	1.63E-06	1.46E-05	Down-regulated
NM_033387	FAM78A	286336	4.75544	5.32377	3.7849	3.47781	-0.4395	0.0105443	0.0387368	Down-regulated
NM_005766	FARP1	10160	20.3427	22.4383	15.3387	15.9576	-0.4397	7.03E-08	7.56E-07	Down-regulated
NM_001099285	PTMA	5757	99.1548	86.6027	68.2981	67.3023	-0.4397	3.11E-06	2.68E-05	Down-regulated
NM_080598	DDX39B	7919	48.7448	52.3314	36.9937	36.9543	-0.4397	1.03E-08	1.22E-07	Down-regulated
NM_152299	NCAPH2	29781	17.3376	16.5711	11.8319	12.9117	-0.4401	1.16E-05	9.02E-05	Down-regulated
NM_001330231	NAP1L1	4673	10.6368	9.37496	7.39781	7.1639	-0.4406	0.0001541	0.0009542	Down-regulated
NM_001004317	LIN28B	389421	7.20328	7.45428	5.26	5.42733	-0.4409	5.13E-05	0.0003508	Down-regulated
NM_001116	ADCY9	115	8.26385	9.52689	6.60426	6.36551	-0.4413	2.91E-05	0.0002088	Down-regulated
NM_006461	SPAG5	10615	19.1506	18.683	13.3366	14.2977	-0.4413	2.39E-07	2.41E-06	Down-regulated
NM_000254	MTR	4548	7.93834	7.74359	5.88144	5.58817	-0.4413	6.80E-09	8.25E-08	Down-regulated
NM_006283	TACC1	6867	8.30444	9.38267	6.31314	6.58037	-0.4417	1.01E-05	7.93E-05	Down-regulated
NM_176806	MOCS2	4338	8.27629	9.07851	6.91878	5.60404	-0.4418	0.005329	0.0216964	Down-regulated
NM_019042	mutative)(PUS	54517	13.4087	11.0218	8.53699	9.15289	-0.4419	0.0017262	0.0082048	Down-regulated
NM_003689	AKR7A2	8574	24.6413	23.4002	17.0303	18.0098	-0.4419	2.15E-06	1.90E-05	Down-regulated
NM_007019	UBE2C	11065	36.5314	31.8904	26.0076	23.126	-0.4421	0.0112054	0.0407811	Down-regulated
NM_021177	LSM2	57819	45.8804	42.3419	28.4846	34.9749	-0.4427	0.0068554	0.0268579	Down-regulated
NM_005866	SIGMAR1	10280	87.4409	91.5359	70.0813	60.4182	-0.4429	8.09E-07	7.63E-06	Down-regulated
NM_152729	NT5DC1	221294	7.18337	6.55675	4.53611	5.33222	-0.4429	0.0107043	0.0392641	Down-regulated
NM_001003891	MED15	51586	19.221	15.6643	14.5895	10.4295	-0.4435	0.0138749	0.0487958	Down-regulated
NM_017503	SURF2	6835	32.4387	30.5404	23.869	21.3981	-0.4436	0.0096496	0.0358845	Down-regulated
NM_001082486	ACD	65057	17.3643	20.2234	13.8712	13.3058	-0.4438	0.0011704	0.0058632	Down-regulated
NM_006403	NEDD9	4739	11.1266	10.3788	8.18191	7.44159	-0.4442	5.61E-05	0.0003804	Down-regulated
NM_016094	COMMD2	51122	9.23152	8.82393	6.36175	6.73526	-0.4444	0.0003409	0.0019526	Down-regulated
NM_000386	BLMH	642	30.6633	30.6816	21.6421	23.0702	-0.4445	7.83E-08	8.36E-07	Down-regulated
NM_001271972	HSP90AB1	3326	31.1424	22.5659	20.4531	18.1994	-0.4445	0.0063835	0.0252473	Down-regulated
NM_031444	GUCD1	83606	4.96804	4.62638	3.29534	3.58786	-0.4446	0.01256	0.0449242	Down-regulated
NM_000859	HMGCR	3156	38.3112	40.34	28.6564	28.7902	-0.445	4.46E-15	9.54E-14	Down-regulated
NM_198076	COX20	116228	20.8583	17.3705	15.2179	12.3068	-0.445	0.0042306	0.0177261	Down-regulated
NM_014331	SLC7A11	23657	22.5389	24.3645	16.4839	17.7217	-0.4461	3.01E-11	4.64E-10	Down-regulated
NM_001040006	TCERG1	10915	17.8659	19.4028	12.0975	14.9028	-0.4465	0.0003025	0.0017517	Down-regulated
NM_018030	OSBPL1A	114876	11.7535	11.9193	8.74123	8.44686	-0.447	6.42E-05	0.0004296	Down-regulated
NM_001009932	DNASE1L1	1774	8.64181	8.46389	5.37525	6.85532	-0.4475	0.0103872	0.038243	Down-regulated
NM_012152	LPAR3	23566	17.5874	16.6441	12.6076	12.1364	-0.4475	0.0012922	0.0064031	Down-regulated
NM_022371	TOR3A	64222	13.6128	16.5519	10.8544	10.8283	-0.4476	0.0042308	0.0177261	Down-regulated
NM_015073	SIPA1L3	23094	6.00654	6.67039	4.60614	4.59345	-0.448	2.55E-05	0.0001852	Down-regulated
NM_003707	RUVBL1	8607	47.8862	45.8354	33.8505	34.3004	-0.448	2.66E-08	3.00E-07	Down-regulated
NR_104318	NUBP2	10101	38.6191	38.917	28.4447	27.6816	-0.4483	6.86E-05	0.0004571	Down-regulated
NM_001001555	GRB10	2887	18.2333	18.9807	12.8113	14.2244	-0.4488	1.33E-07	1.39E-06	Down-regulated
NM_012247	SEPHS1	22929	12.6242	12.5687	9.03826	9.20695	-0.4493	3.34E-05	0.000237	Down-regulated
NM_006094	DLC1	10395	8.43173	9.07587	6.04596	6.63858	-0.4496	2.61E-05	0.0001894	Down-regulated
NM_001282280	PYCR1	5831	56.5861	52.1974	44.4715	33.9368	-0.4497	0.0009393	0.0048403	Down-regulated
NM_002582	ribonuclea	5073	16.0176	14.9998	11.6708	10.7757	-0.4498	4.47E-05	0.0003088	Down-regulated
NM_017749	AMBRA1	55626	3.84386	3.4319	2.55613	2.63625	-0.4501	0.009399	0.03511	Down-regulated
NM_018356	C5orf22	55322	11.9652	11.5901	8.95999	8.06786	-0.4502	0.000105	0.000674	Down-regulated
NM_001017371	SP3	6670	4.58495	6.14606	3.72207	3.94086	-0.4503	0.0116614	0.0421279	Down-regulated
NM_024619	FN3KRP	79672	19.7819	16.7025	13.5424	12.6373	-0.4503	0.0029559	0.0130016	Down-regulated
NM_006784	WDR3	10885	18.0633	17.6871	11.9742	13.9207	-0.4505	1.77E-05	0.0001323	Down-regulated
NM_015084	MRPS27	23107	28.0569	26.5717	19.1971	20.4379	-0.4506	2.19E-07	2.22E-06	Down-regulated
NM_000375	UROS	7390	17.5482	15.9141	11.7673	12.1024	-0.451	0.0073548	0.0285626	Down-regulated
NM_015659	RSL1D1	26156	27.5816	27.7182	19.8569	20.3586	-0.4511	3.29E-15	7.10E-14	Down-regulated
NM_030771	CCDC34	91057	29.126	26.4904	18.734	21.3043	-0.4513	0.0008849	0.0045995	Down-regulated
NM_207356	C1orf174	339448	13.1506	14.0635	9.97929	9.50309	-0.4513	0.0052876	0.0215461	Down-regulated
NM_018137	PRMT6	55170	14.8398	13.1239	10.011	10.1405	-0.4517	0.0004655	0.002587	Down-regulated
NM_003488	AKAP1	8165	24.1261	25.0598	18.9871	16.6389	-0.4522	8.12E-07	7.65E-06	Down-regulated
NM_003368	USP1	7398	18.5931	17.2268	12.9211	13.0315	-0.4523	2.57E-07	2.58E-06	Down-regulated
NM_001196	BID	637	13.3829	11.8027	9.24032	8.82697	-0.4524	0.0026711	0.0119442	Down-regulated
NM_001018069	SERBP1	26135	22.6515	21.3057	16.0271	15.8991	-0.4525	2.46E-13	4.56E-12	Down-regulated
NM_001031734	FDX1L	112812	36.101	42.1629	25.3733	30.2599	-0.4536	0.0109032	0.0398484	Down-regulated
NM_001282772	POLR1B	84172	6.45206	5.63016	4.75103	3.89142	-0.4537	0.005403	0.0219509	Down-regulated
NM_001303037	MPP6	51678	2.12787	2.25215	1.63424	1.4897	-0.4537	0.009223	0.0345674	Down-regulated
NM_003016	SRSF2	6427	18.4129	19.5379	12.7311	14.6264	-0.4539	6.59E-05	0.00044	Down-regulated
NM_014865	NCAPD2	9918	22.1624	22.2506	16.0059	16.2121	-0.454	2.51E-12	4.22E-11	Down-regulated
NM_016395	HACD3	51495	68.3285	67.9438	49.749	49.2057	-0.4541	7.66E-22	2.49E-20	Down-regulated
NM_024654	NOL9	79707	5.00898	5.34996	3.72539	3.73854	-0.4548	0.0001426	0.0008905	Down-regulated
NM_014637	MTFR1	9650	20.128	19.1519	13.9083	14.4274	-0.4555	3.81E-06	3.23E-05	Down-regulated
NM_001614	ACTG1	71	1603.75	1588.67	1162.02	1155.43	-0.4556	6.25E-78	1.02E-75	Down-regulated
NM_004175	SNRPD3	6634	55.0287	51.4461	37.257	39.8796	-0.4556	2.50E-12	4.20E-11	Down-regulated
NM_016080	GLOD4	51031	95.4955	90.2327	67.3051	67.2365	-0.4561	4.91E-14	9.70E-13	Down-regulated
NM_001099638	ZNF146	7705	5.34356	6.2449	4.26887	4.09656	-0.4564	0.0086126	0.0326315	Down-regulated
NM_0001821	CHML	1122	6.27082	6.4627	4.46444	4.71156	-0.4573	1.05E-05	8.23E-05	Down-regulated
NM_004457	ACSL3	2181	32.9889	34.7547	25.2854	23.7362	-0.4574	1.29E-11	2.04E-10	Down-regulated
NM_000373	UMPS	7372	5.01562	5.32432	3.82582	3.60124	-0.4577	0.0001704	0.0010415	Down-regulated
NM_004282	BAG2	9532	24.6312	22.814	16.6995	17.4359	-0.4579	2.90E-05	0.0002083	Down-regulated
NM_006500	MCAM	4162	107.094	111.568	79.1528	79.1989	-0.4583	4.36E-26	1.80E-24	Down-regulated
NM_014251	SLC25A13	10165	66.0645	64.6875	46.9764	47.6526	-0.4585	1.39E-20	4.26E-19	Down-regulated
NM_020827	CFAP97	57587	13.213	13.4124	9.55191	9.66329	-0.4586	4.29E-08	4.74E-07	Down-regulated
NM_198549	MIGA1	374986	3.4589	3.41228	2.38764	2.52406	-0.4586	0.0022481	0.0102811	Down-regulated
NM_025203	WDCP	80304	4.52778	4.57492	3.5099	2.93205	-0.4588	0.0136997	0.0483131	Down-regulated
NM_006366	yeast)(CAP2	10486	10.3654	9.30377	6.99456	7.08076	-0.4589	0.000969	0.004969	Down-regulated
NM_005782	ALYREF	10189	96.8288	97.8923	69.4244	71.0893	-0.4589	5.30E-10	7.23E-09	Down-regulated
NM_002296	LBR	3930	12.2292	12.5477	9.26629	8.54223	-0.4599	1.54E-05	0.0001169	Down-regulated



NM_005591	MRE11	4361	2.95988	3.03579	2.04506	2.19191	-0.4604	0.0121428	0.0436524	Down-regulated
NM_152515	CKAP2L	150468	4.8254	4.62823	3.67971	3.03716	-0.4605	0.0068112	0.0267041	Down-regulated
NM_030594	CPEB1	64506	7.16368	7.95402	4.91713	5.81148	-0.4608	0.0061449	0.024435	Down-regulated
NM_001316984	FAM207A	85395	47.0377	37.9274	30.6519	29.636	-0.4609	0.0054047	0.0219533	Down-regulated
NM_018841	GNNG12	55970	57.0571	52.9473	38.5022	40.9152	-0.4611	1.88E-13	3.51E-12	Down-regulated
NM_002703	PPAT	5471	12.2022	12.556	8.89755	8.89088	-0.4612	6.61E-06	5.39E-05	Down-regulated
NM_004889	ATP5J2	9551	423.916	406.199	275.907	318.647	-0.4614	2.22E-06	1.95E-05	Down-regulated
NM_033119	NKD1	85407	2.59286	2.56331	1.86345	1.8169	-0.4619	0.0015539	0.0074881	Down-regulated
NM_004596	SNRPA	6626	43.6273	40.9838	29.391	31.404	-0.4623	1.47E-06	1.33E-05	Down-regulated
NM_005455	ZRANB2	9406	20.9525	24.1169	17.2242	15.0665	-0.463	0.0001036	0.000666	Down-regulated
NM_001286805	TBC1D14	57533	24.8102	17.8044	16.4805	13.7221	-0.4631	0.0056741	0.0228529	Down-regulated
NM_005511	MLANA	2315	328.453	304.481	226.105	230.211	-0.4634	2.76E-19	7.86E-18	Down-regulated
NM_058190	FAM207A	85395	35.8459	35.145	25.2632	25.3526	-0.4635	0.0010068	0.0051396	Down-regulated
NM_001098426	SMARCD2	6603	42.6144	47.2481	33.1009	31.5313	-0.4635	1.42E-08	1.66E-07	Down-regulated
NM_016491	MRPL37	51253	148.882	139.179	105.361	102.168	-0.4636	3.25E-14	6.54E-13	Down-regulated
NM_018249	CDK5RAP2	55755	6.88133	6.13632	4.80272	4.5169	-0.4639	0.000142	0.0008871	Down-regulated
NM_018843	SLC25A40	55972	7.00344	7.08384	4.75735	5.21612	-0.4644	0.0031145	0.0135835	Down-regulated
NM_014233	UBTF	7343	13.7494	11.376	9.12997	8.83862	-0.4646	0.0001539	0.0009533	Down-regulated
NM_014481	APEX2	27301	25.4935	25.0592	18.294	17.9493	-0.4646	2.11E-06	1.86E-05	Down-regulated
NM_001301726	TCFL5	10732	11.8274	11.8175	8.77397	8.12965	-0.4647	0.0002163	0.0012918	Down-regulated
NM_020977	ANK2	287	4.72786	5.21845	3.87364	3.20348	-0.4654	0.0011372	0.0057167	Down-regulated
NM_014241	HACD1	9200	68.5885	62.1405	48.1112	45.5736	-0.4655	1.00E-06	9.31E-06	Down-regulated
NM_006554	MTX2	10651	32.1376	26.4095	19.389	22.1077	-0.4656	0.0032022	0.0139151	Down-regulated
NM_001323360	ST3GAL6	10402	12.743	9.95354	8.42388	7.67299	-0.4656	0.0033659	0.014559	Down-regulated
NM_006272	S100B	6285	165.219	150.779	113.119	113.879	-0.4664	5.72E-11	8.61E-10	Down-regulated
NM_145261	member C19C	131118	28.4714	24.4369	18.5694	19.0872	-0.4666	0.0008749	0.0045538	Down-regulated
NM_001134479	LRRRC8D	55144	10.9241	11.2003	8.17158	7.64109	-0.4672	2.58E-05	0.0001869	Down-regulated
NM_015934	NOP58	51602	57.1713	58.6117	41.8138	41.3672	-0.4676	1.11E-12	1.93E-11	Down-regulated
NM_001004105	GRK6	2870	13.6348	16.8424	11.7795	9.65483	-0.4676	0.0112913	0.0410393	Down-regulated
NM_004044	ATIC	471	65.6606	62.4084	46.8992	45.0749	-0.4679	3.59E-12	5.93E-11	Down-regulated
NM_001013620	ALG10B	144245	1.87726	1.7915	1.41143	1.17121	-0.4682	0.0099436	0.0368204	Down-regulated
NM_005497	GJC1	10052	9.54403	10.7559	7.75725	6.74775	-0.4682	2.78E-05	0.0002003	Down-regulated
NM_025077	nuclear)(TOE	114034	6.67494	7.20165	4.758	5.00645	-0.4683	0.0116562	0.0421169	Down-regulated
NM_020216	RNPEP	6051	50.1521	46.9881	33.1704	36.4548	-0.4685	1.10E-08	1.29E-07	Down-regulated
NM_001702	ADGRB1	575	7.02274	7.44999	5.16006	5.18337	-0.4685	2.68E-05	0.0001936	Down-regulated
NM_024319	C1orf35	79169	16.7973	17.1975	11.1073	12.8739	-0.4687	0.0053789	0.0218762	Down-regulated
NM_007238	PXMP4	11264	3.07932	3.11842	2.00224	2.36406	-0.4687	0.0099569	0.0368623	Down-regulated
NM_001197051	ZFP91	80829	4.7041	4.57449	3.14319	3.45325	-0.4689	0.0008756	0.0045562	Down-regulated
NM_017515	SLC35F2	54733	23.8054	22.803	16.3093	17.0788	-0.4691	2.36E-08	2.68E-07	Down-regulated
NM_023928	AACS	65985	16.8408	18.4456	13.04	12.1659	-0.4692	6.21E-06	5.10E-05	Down-regulated
NM_207118	GTF2H5	404672	4.53714	3.63616	2.60548	3.14723	-0.4694	0.0076669	0.0296062	Down-regulated
NM_001303457	TTI1	9675	11.5837	10.9038	8.19405	7.86305	-0.4699	1.95E-05	0.0001445	Down-regulated
NM_020745	AARS2	57505	18.6207	18.6117	13.1343	13.5569	-0.4699	7.14E-11	1.07E-09	Down-regulated
NM_006325	RAN	5901	256.703	240.783	174.76	182.395	-0.4703	1.99E-22	6.60E-21	Down-regulated
NM_001326580	STX7	8417	36.3895	33.5151	26.8775	22.6592	-0.4706	0.0006838	0.0036435	Down-regulated
NM_001161561	TNIK	23043	1.55943	1.47025	1.02718	1.09834	-0.4707	0.0115116	0.041705	Down-regulated
NM_024516	PAGR1	79447	27.3574	25.348	19.4371	18.2902	-0.4708	4.88E-09	6.02E-08	Down-regulated
NM_006726	LRBA	987	4.27071	3.12542	2.70647	2.49369	-0.4713	0.007893	0.0303202	Down-regulated
NM_001278698	POLR2H	5437	13.7161	12.8211	8.92793	9.64263	-0.4718	0.0138511	0.0487302	Down-regulated
NM_002996	CX3CL1	6376	8.18238	7.65817	5.48724	5.72644	-0.4722	0.0009279	0.0047864	Down-regulated
NM_001145374	ALKBH2	121642	19.7278	22.2398	12.9898	16.2956	-0.4727	0.0138739	0.0487958	Down-regulated
NM_031966	CCNB1	891	58.9926	53.4896	40.8467	39.5442	-0.4729	2.50E-09	3.16E-08	Down-regulated
NM_003472	DEK	7913	41.5714	40.3296	28.0422	30.5194	-0.4732	2.18E-10	3.12E-09	Down-regulated
NM_006058	TNIP1	10318	18.1426	17.9611	13.1866	12.5556	-0.4735	1.30E-06	1.19E-05	Down-regulated
NM_003143	SSBP1	6742	227.856	213.562	162.469	152.416	-0.4737	1.62E-09	2.10E-08	Down-regulated
NM_001005463	EBF3	253738	11.2226	11.0442	7.39352	8.44152	-0.4739	2.84E-05	0.0002044	Down-regulated
NM_005646	binding prote	6894	6.3849	6.25714	4.33668	4.63468	-0.4748	0.0001378	0.0008635	Down-regulated
NM_001330537	SDCBP	6386	8.50478	7.9495	6.00396	5.64303	-0.475	0.0002447	0.0014444	Down-regulated
NM_006452	PAICS	10606	25.1758	19.2476	18.0933	12.9807	-0.4755	0.0098578	0.0365592	Down-regulated
NM_001282279	PYCR1	5831	10.1543	11.191	7.49325	7.45129	-0.4756	0.0071357	0.0278077	Down-regulated
NM_006848	CCDC85B	11007	47.343	45.5465	33.8307	32.163	-0.4758	4.23E-06	3.57E-05	Down-regulated
NM_004741	NOLC1	9221	10.1281	11.1535	6.89365	8.16515	-0.4758	0.0005048	0.0027722	Down-regulated
NM_001278206	SLC43A3	29015	7.49847	9.0839	6.25999	5.30616	-0.476	0.01153	0.0417321	Down-regulated
NM_001253380	RPL15	6138	25.5307	24.0073	18.8676	16.2586	-0.4761	8.14E-05	0.0005338	Down-regulated
NM_018079	SRBD1	55133	5.56908	5.77505	3.7498	4.21731	-0.4761	0.0037548	0.0160318	Down-regulated
NM_001204890	ISY1-RAB43	1E+08	6.09767	7.52502	4.59017	5.00279	-0.4765	0.0023556	0.0106985	Down-regulated
NM_004765	BCL7C	9274	56.8783	57.3824	40.0063	41.2127	-0.4765	1.44E-06	1.30E-05	Down-regulated
NM_021135	RPS6KA2	6196	31.5679	31.4759	22.4226	22.6426	-0.4766	1.55E-21	4.96E-20	Down-regulated
NM_181719	TMCO4	255104	10.7039	9.91278	7.19685	7.39601	-0.4766	0.0003468	0.0019835	Down-regulated
NM_012412	H2AFV	94239	42.3179	43.3616	28.9227	31.9874	-0.4767	5.18E-06	4.31E-05	Down-regulated
NM_015640	SERBP1	26135	12.2156	12.2443	8.33725	9.08482	-0.4776	5.93E-09	7.25E-08	Down-regulated
NM_002300	LDHB	3945	1832.99	1771.69	1258.35	1316.07	-0.4778	2.77E-35	1.57E-33	Down-regulated
NR_015384	OC10012678	1E+08	7.65333	7.71478	5.68472	5.16495	-0.478	0.0005159	0.002827	Down-regulated
NM_001243137	PDE8A	5151	8.65581	7.03035	5.9026	5.10228	-0.4781	0.0053469	0.0217554	Down-regulated
NM_001142573	IMPDH1	3614	86.2614	89.9959	67.2486	58.2173	-0.4782	7.80E-09	9.36E-08	Down-regulated
NM_203406	MBLAC2	153364	4.12018	4.08105	2.65169	3.07319	-0.4786	0.0083858	0.0319433	Down-regulated
NM_017828	COMMD4	54939	111.049	108.923	76.8109	79.6458	-0.4787	6.92E-10	9.33E-09	Down-regulated
NR_103821	EMC3-AS1	442075	4.42695	4.67718	3.04162	3.35498	-0.4792	0.0028473	0.0126019	Down-regulated
NM_033416	IMP4	92856	25.9884	24.881	17.8332	18.3654	-0.4795	2.76E-09	3.47E-08	Down-regulated
NM_006331	EMG1	10436	48.6732	45.3624	32.3455	34.1687	-0.4796	4.22E-05	0.0002926	Down-regulated
NM_003096	SNRPG	6637	263.596	253.37	178.177	188.528	-0.4803	5.05E-10	6.93E-09	Down-regulated
NM_014875	KIF14	9928	2.61531	2.94185	1.89592	1.99577	-0.4803	0.0038988	0.0165616	Down-regulated
NM_022497	MRPS25	64432	15.9793	13.8282	10.6248	10.5074	-0.4804	5.33E-06	4.42E-05	Down-regulated
NM_003966	SEMA5A	9037	13.0287	13.782	9.43811	9.64668	-0.4817	2.06E-15	4.54E-14	Down-regulated

NM_000408	GPD2	2820	12.2242	12.5517	9.48149	8.06483	-0.4817	6.90E-06	5.61E-05	Down-regulated
NM_001151	SLC25A4	291	24.6827	23.1035	17.4177	16.5458	-0.4818	1.96E-10	2.82E-09	Down-regulated
NM_004257	TGFBRAP1	9392	4.85803	5.09925	3.59015	3.42905	-0.4821	0.0003146	0.0018159	Down-regulated
NM_005788	PRMT3	10196	11.7971	12.8017	8.82235	8.52348	-0.4823	0.0001946	0.0011753	Down-regulated
NM_0030792	GDPD5	81544	9.10962	10.069	6.47878	7.01095	-0.4824	0.0006303	0.0033898	Down-regulated
NM_006713	SUB1	10923	35.523	33.5005	23.9489	25.0956	-0.4825	7.60E-12	1.23E-10	Down-regulated
NM_004563	PCK2	5106	26.0059	26.5088	19.816	17.3354	-0.483	6.51E-06	5.32E-05	Down-regulated
NM_006918	SC5D	6309	10.6883	10.8422	7.15365	8.10182	-0.483	3.34E-07	3.30E-06	Down-regulated
NM_004824	CDYL	9425	8.83447	9.79982	6.43666	6.69108	-0.4834	0.0003233	0.0018598	Down-regulated
NM_001142556	HMMR	3161	7.33399	7.83647	4.83863	5.76042	-0.4836	0.0038304	0.016311	Down-regulated
NM_001031684	SRSF7	6432	63.5701	62.1196	42.9642	46.3106	-0.4838	1.66E-13	3.12E-12	Down-regulated
NM_001532	SLC29A2	3177	13.0605	11.4191	8.8995	8.27251	-0.4839	0.0009844	0.0050399	Down-regulated
NM_001111018	NAV2	89797	12.2616	14.0177	9.17855	9.45566	-0.484	1.39E-08	1.62E-07	Down-regulated
NM_014325	CORO1C	23603	149.233	145.549	104.632	105.143	-0.4841	2.12E-45	1.65E-43	Down-regulated
NM_152740	HIBADH	11112	25.8298	26.1498	18.169	18.6293	-0.4844	1.23E-06	1.13E-05	Down-regulated
NM_004508	ID1I	3422	25.3831	24.2784	15.9739	19.0601	-0.4852	1.68E-05	0.0001263	Down-regulated
NM_144999	LRRC45	201255	10.1734	10.6847	7.48663	7.16781	-0.4852	0.0004413	0.0024641	Down-regulated
NM_006449	CDC42EP3	10602	11.2029	11.403	7.99779	8.02046	-0.4853	7.48E-09	9.02E-08	Down-regulated
NM_024675	PALB2	79728	5.39771	5.2832	3.73871	3.74079	-0.4855	0.0014648	0.0071197	Down-regulated
NM_001035267	RPL41	6171	301.502	289.326	195.133	221.477	-0.4856	1.91E-07	1.96E-06	Down-regulated
NM_080656	DKN2AIPN1	91368	35.5222	40.0831	24.7206	28.3429	-0.4857	0.0004214	0.0023645	Down-regulated
NM_001244701	ZFP36L1 (protein coding)	677	61.8144	62.2197	44.1265	43.9508	-0.4858	1.03E-22	3.51E-21	Down-regulated
NR_003367	USP4	5820	11.6607	10.4664	7.41833	7.99215	-0.486	0.0045245	0.0187892	Down-regulated
NM_199443	USP4	7375	6.05973	6.28766	4.10004	4.55061	-0.4861	0.0012024	0.0059987	Down-regulated
NM_014503	UTP20	27340	7.53706	7.56733	5.50084	5.18885	-0.4867	8.42E-09	1.01E-07	Down-regulated
NR_026911	RPL21P28	1E+08	930.723	868.164	569.286	696.608	-0.4868	1.77E-06	1.57E-05	Down-regulated
NM_018128	TSR1	55720	45.663	46.5744	32.4606	32.998	-0.487	1.69E-24	6.41E-23	Down-regulated
NM_018401	STK32B	55351	19.3726	19.29	13.9784	13.3572	-0.4878	1.01E-08	1.20E-07	Down-regulated
NM_016050	MRPL11	65003	22.5042	23.191	15.6206	16.4577	-0.4882	9.92E-05	0.0006397	Down-regulated
NM_003348	UBE2N	7334	57.6596	55.9975	40.1512	40.3486	-0.4885	1.50E-16	3.51E-15	Down-regulated
NM_016551	TM7SF3	51768	74.1659	73.1747	52.9333	51.4847	-0.4895	2.94E-31	1.48E-29	Down-regulated
NM_012117	CBX5	23468	7.64601	7.95428	5.55972	5.47393	-0.4898	1.43E-11	2.26E-10	Down-regulated
NM_032704	TUBA1C	84790	315.777	296.976	215.936	217.955	-0.4898	2.95E-26	1.24E-24	Down-regulated
NM_004879	EI24	9538	49.0382	47.0914	32.754	35.1668	-0.4899	9.66E-11	1.43E-09	Down-regulated
NM_016020	TFB1M	51106	13.2027	13.3181	9.13103	9.50699	-0.4901	2.97E-05	0.0002129	Down-regulated
NM_006351	TIMM44	10469	46.4463	45.2152	31.6914	33.0224	-0.4902	1.55E-10	2.25E-09	Down-regulated
NM_016396	CTDPSL2	51496	3.14156	3.48736	2.30821	2.28658	-0.4902	0.0078016	0.0300113	Down-regulated
NM_000273	GPR143	4935	70.3621	71.4298	50.2634	49.9643	-0.4903	7.93E-14	1.53E-12	Down-regulated
NM_001256310	GLS	2744	29.0215	31.8642	21.3139	21.7142	-0.4904	3.06E-11	4.71E-10	Down-regulated
NM_013327	PARVB	29780	65.9929	59.7211	46.5295	41.9965	-0.4907	1.90E-07	1.95E-06	Down-regulated
NM_000140	FECH	2235	6.35891	6.04129	4.46641	4.2514	-0.491	3.27E-06	2.81E-05	Down-regulated
NM_004078	CSRP1	1465	112.242	108.882	78.1009	78.2134	-0.4919	4.13E-22	1.35E-20	Down-regulated
NM_024844	NUP85	79902	21.9392	22.2148	16.0125	15.0392	-0.492	1.32E-06	1.20E-05	Down-regulated
NM_033254	BOC	91653	5.80637	6.00017	3.83281	4.40874	-0.4923	0.0008062	0.0042214	Down-regulated
NM_002161	IARS	3376	25.0087	25.4198	18.6199	16.9338	-0.4924	1.05E-10	1.54E-09	Down-regulated
NM_003487	TAF15	8148	14.9114	15.9087	10.7469	10.8105	-0.4927	0.0001274	0.000803	Down-regulated
NM_018947	CYCS	54205	48.7225	46.6677	33.4984	33.9274	-0.493	3.48E-25	1.37E-23	Down-regulated
NM_078469	BCCIP	56647	9.58086	10.5854	7.1203	6.87183	-0.4936	0.0018103	0.0085343	Down-regulated
NM_020244	CHPT1	56994	48.2273	45.0312	34.6401	30.7946	-0.4938	2.21E-06	1.95E-05	Down-regulated
NM_020158	EXOSC5	56915	55.1228	53.8133	39.9165	36.2848	-0.4948	1.78E-05	0.0001333	Down-regulated
NM_005813	PRKD3	23683	18.3603	18.2864	12.717	13.1135	-0.4949	4.30E-14	8.53E-13	Down-regulated
NM_016561	BFAR	51283	34.48	35.0199	24.1711	24.791	-0.495	3.03E-13	5.57E-12	Down-regulated
NM_0022770	GINS3	64785	7.77723	7.39301	5.03565	5.427	-0.4962	0.0066794	0.0262489	Down-regulated
NM_014177	TIMM21	29090	35.5386	33.4221	24.798	23.5386	-0.4966	3.85E-06	3.26E-05	Down-regulated
NM_148170	CTSC	1075	3.61529	3.47135	2.4516	2.46923	-0.4966	0.0010155	0.0051798	Down-regulated
NM_001316311	RPL35A	6165	346.149	332.544	236.903	238.689	-0.4973	1.16E-10	1.70E-09	Down-regulated
NM_001005335	HNRNPL	3191	82.6589	79.8107	57.3751	56.9432	-0.4975	9.73E-17	2.30E-15	Down-regulated
NM_001297714	SWAP70	23075	6.60173	5.6212	3.93377	4.53032	-0.4982	0.0019575	0.0091289	Down-regulated
NM_000460	CCNG1	900	32.4319	30.9467	21.1131	23.2949	-0.4983	6.46E-08	6.96E-07	Down-regulated
NM_000194	HPRT1	3251	34.1777	29.5015	21.5966	22.7209	-0.4983	0.0001755	0.0010698	Down-regulated
NM_000135	FANCA	2175	4.34896	4.33168	3.20734	2.80514	-0.4988	0.0012709	0.0063089	Down-regulated
NM_018214	LRRC1	55227	6.82842	6.01168	4.71472	4.11447	-0.4989	0.0054906	0.0222311	Down-regulated
NM_024057	NUP37	79023	19.7586	15.8259	12.0809	12.2942	-0.4994	0.0089407	0.0336543	Down-regulated
NM_000152	GAA	2548	12.1413	10.0081	7.76889	7.63864	-0.4995	0.0003174	0.0018299	Down-regulated
NM_181491	MED22	6837	5.89631	6.56597	4.64515	3.96056	-0.4997	0.0027479	0.0122216	Down-regulated
NM_001360	DHCR7	1717	105.881	109.62	76.5945	74.919	-0.5003	2.44E-26	1.03E-24	Down-regulated
NM_032593	HINT2	84681	38.018	38.1581	25.4632	26.6641	-0.5005	0.0077747	0.0299406	Down-regulated
NM_006938	SNRPD1	6632	58.8988	55.1298	40.8755	39.0562	-0.5005	1.75E-09	2.25E-08	Down-regulated
NM_018269	ADII	55256	111.121	107.343	77.7798	75.6181	-0.5006	2.14E-18	5.64E-17	Down-regulated
NM_001098209	CTNBN1	1499	139.134	125.032	86.6537	98.539	-0.5007	3.76E-10	5.24E-09	Down-regulated
NM_138809	CMBL	134147	7.96854	7.0825	5.2342	5.20222	-0.5013	0.0002907	0.0016895	Down-regulated
NM_015963	THAP4	51078	23.5842	21.577	16.8126	14.605	-0.5013	5.72E-05	0.0003867	Down-regulated
NM_000483	APOC2	344	111.82	98.5659	73.7282	72.7685	-0.5016	1.16E-05	9.02E-05	Down-regulated
NM_152653	UBE2E2	7325	15.858	14.5488	10.6709	10.3917	-0.5018	0.0008358	0.0043659	Down-regulated
NM_016167	NOL7	51406	13.8615	13.4152	8.37273	10.3477	-0.5023	0.0057484	0.0230745	Down-regulated
NM_001040025	ARL16	339231	14.8349	18.2185	10.8031	11.7186	-0.5023	0.0123834	0.0444004	Down-regulated
NM_001419	ELAVL1	1994	13.3277	13.3848	9.40203	9.31486	-0.5025	1.56E-11	2.45E-10	Down-regulated
NM_001098722	GNG4	2786	6.24227	5.87596	4.03589	4.38569	-0.5028	0.0001525	0.0009456	Down-regulated
NM_016199	LSM7	51690	425.939	405.404	287.401	292.808	-0.5032	3.26E-12	5.42E-11	Down-regulated
NM_001167924(ceast)(CMSS1)	RPA3	84319	44.0742	42.7551	28.0948	32.1929	-0.5033	9.73E-05	0.0006281	Down-regulated
NM_002947	RPA3	6119	15.2253	12.8115	9.31071	10.0006	-0.5037	0.0020846	0.009649	Down-regulated
NM_001012991	KNOP1	400506	17.8734	18.7142	12.5664	12.8619	-0.5037	5.25E-05	0.0003591	Down-regulated
NM_001099678	LRRC58	116064	11.057	11.5178	7.53041	8.26128	-0.5037	2.47E-09	3.14E-08	Down-regulated
NM_002136	HNRNPA1	3178	488.863	469.268	334.434	337.812	-0.5039	4.58E-44	3.44E-42	Down-regulated

NM_004577	PSPH	5723	9.90394	9.20354	6.00499	7.10104	-0.5043	0.0058626	0.0234686	Down-regulated
NM_002340	ene-lanosterc	4047	37.0133	41.6071	28.3827	26.5804	-0.5043	7.45E-10	1.00E-08	Down-regulated
NM_007210	GALNT6	11226	3.13479	2.92238	2.01191	2.10611	-0.5048	0.011093	0.0404494	Down-regulated
NM_003887	ASAP2	8853	4.81874	6.63045	4.12815	3.68295	-0.5052	0.0076277	0.0294855	Down-regulated
NM_001082578	RBFOX2	23543	4.75246	6.36896	3.72326	3.92063	-0.5055	0.0031075	0.013559	Down-regulated
NM_002737	PRKCA	5578	5.4783	5.88441	3.94055	3.97545	-0.5061	6.39E-07	6.08E-06	Down-regulated
NM_001242824	FDP5	2224	71.6208	92.3639	54.274	59.1928	-0.5063	0.000175	0.0010673	Down-regulated
NM_001320219	U2SURP	23350	9.49171	9.03117	6.4488	6.4751	-0.5071	1.21E-09	1.58E-08	Down-regulated
NM_032818	ARHGEF39	84904	6.11493	5.26012	3.94023	3.84698	-0.5074	0.0027646	0.0122874	Down-regulated
NM_001329976	LONRF1	91694	13.7097	14.2009	7.53374	11.4541	-0.5074	0.0086444	0.0327196	Down-regulated
NM_001014433	CUTA	51596	73.299	49.4173	39.989	43.1121	-0.5079	0.0129229	0.0459724	Down-regulated
NM_005336	HDLBP	3069	11.4752	11.4597	7.70983	8.28213	-0.5083	9.56E-10	1.27E-08	Down-regulated
NM_007208	MRPL3	11222	85.214	85.1712	59.7587	59.2002	-0.5086	3.79E-18	9.90E-17	Down-regulated
NM_004454	ETV5	2119	61.8377	63.2398	44.4072	43.0385	-0.5088	1.00E-26	4.30E-25	Down-regulated
NM_002014	FKBP4	2288	42.3123	40.3928	28.4571	29.2865	-0.509	3.49E-17	8.51E-16	Down-regulated
NM_007192	SUPT16H	11198	28.0756	27.1051	19.1329	19.3811	-0.5095	1.49E-16	3.49E-15	Down-regulated
NM_001330247	HNRNPA3	220988	7.76885	7.13517	5.07393	5.25857	-0.5106	5.71E-06	4.72E-05	Down-regulated
NM_003412	ZIC1	7545	6.41234	5.33547	4.15496	3.92478	-0.5107	0.0008389	0.0043808	Down-regulated
NM_021158	TRIB3	57761	32.4195	31.921	22.3284	22.4673	-0.5108	6.22E-11	9.34E-10	Down-regulated
NM_182984	TRMT2A	27037	8.21542	10.6656	6.68406	6.15457	-0.5111	0.0057561	0.0230958	Down-regulated
NM_001160305	SETD6	79918	7.21307	6.03761	4.09118	4.90745	-0.5118	0.0092271	0.0345735	Down-regulated
NM_003609	HIRIP3	8479	20.3311	20.8591	14.4314	14.1875	-0.5119	7.58E-09	9.12E-08	Down-regulated
NM_032646	TTYH2	94015	37.7943	38.9009	26.8948	26.5314	-0.5121	9.12E-17	2.17E-15	Down-regulated
NM_016195	KIF20B	9585	4.76263	4.87115	3.34545	3.31468	-0.5121	4.69E-05	0.0003224	Down-regulated
NM_020773	TBC1D14	57533	33.034	37.7979	23.9617	25.2778	-0.5124	1.19E-09	1.56E-08	Down-regulated
NM_022451	NOC3L	64318	8.78648	8.51123	5.9973	5.9392	-0.5126	7.51E-05	0.0004959	Down-regulated
NM_203456	PPIE	10450	21.1173	21.7624	14.4763	14.8455	-0.5133	0.0018303	0.0086075	Down-regulated
NM_145080	NSMCE1	197370	33.166	30.1256	19.8513	23.3908	-0.5144	0.0014137	0.0069191	Down-regulated
NM_138461	TM4SF19	116211	39.2798	31.5523	25.2289	23.1426	-0.5148	0.0021272	0.0098035	Down-regulated
NM_018695	ERBIN	55914	6.7279	6.87474	5.07552	4.29733	-0.5149	3.05E-05	0.0002177	Down-regulated
NM_030821	PLA2G12A	81579	4.58694	5.16048	3.34919	3.33867	-0.5149	0.0005804	0.0031449	Down-regulated
NM_005238	ETS1	2113	15.8301	18.346	11.7886	11.8794	-0.5149	2.25E-07	2.27E-06	Down-regulated
NM_001166269	HAUS4	54930	8.81208	8.15353	5.59598	5.79096	-0.5158	0.014168	0.0497352	Down-regulated
NM_013300	FAM216A	29902	22.5795	20.676	14.6997	14.9939	-0.5158	0.0001911	0.0011558	Down-regulated
NM_001071775	MZT1	440145	12.5178	12.1859	8.36999	8.61102	-0.5166	0.0001112	0.0007098	Down-regulated
NM_017615	NSMCE4A	54780	15.5229	13.9134	9.31617	10.6067	-0.517	0.0054764	0.0221877	Down-regulated
NM_001256964	CCDC51	79714	21.5617	24.1675	15.598	15.8182	-0.5173	0.0001161	0.0007378	Down-regulated
NM_013233	STK39	27347	5.68883	5.00724	3.42953	3.79192	-0.5175	0.0060107	0.0239865	Down-regulated
NM_006322	TUBGCP3	10426	9.86091	9.21909	6.42055	6.72502	-0.5177	1.57E-05	0.0001186	Down-regulated
NM_016048	ISOC1	51015	9.15423	9.47393	6.26901	6.37469	-0.5178	0.0036513	0.0156565	Down-regulated
NM_001100626	ERLIN1	10613	11.9781	12.7759	8.44036	8.60844	-0.5183	8.67E-06	6.90E-05	Down-regulated
NM_207332	ERICH1	157697	21.624	20.5262	14.5298	14.4334	-0.5184	1.93E-05	0.0001429	Down-regulated
NM_148893	SVIP	258010	5.60227	6.13481	4.33385	3.61574	-0.5187	0.0060652	0.0241686	Down-regulated
NM_133367	PAQR8	85315	8.64696	9.0742	6.05031	6.16208	-0.5197	1.95E-06	1.74E-05	Down-regulated
NM_005854	RAMP2	10266	36.8325	38.5609	25.6582	25.6025	-0.5205	0.001193	0.0059596	Down-regulated
NM_004422	DVL2	1856	47.1953	46.7065	31.9083	33.1063	-0.5208	5.50E-18	1.42E-16	Down-regulated
NM_001320122	PMEL	6490	491.879	408.363	312.553	309.248	-0.5209	3.83E-10	5.32E-09	Down-regulated
NM_032294	CAMKK1	84254	5.43883	5.59455	3.71261	3.8014	-0.5212	0.0014554	0.0070906	Down-regulated
NM_001200054	PMEL	6490	180.84	200.761	135.766	128.22	-0.5212	5.61E-15	1.19E-13	Down-regulated
NM_001070	TUBG1	7283	59.5422	53.2407	37.5728	40.2323	-0.5213	7.83E-09	9.39E-08	Down-regulated
NM_015315	LARP1	23367	40.0631	41.5779	28.9057	27.6695	-0.5213	1.18E-24	4.50E-23	Down-regulated
NM_001145432	SMIM20	389203	32.7129	34.5169	22.5118	23.3479	-0.5217	0.0002257	0.0013411	Down-regulated
NM_020165	RAD18	56852	7.0593	6.74244	4.55926	4.92508	-0.5218	6.97E-06	5.66E-05	Down-regulated
NM_005962	MXI1	4601	14.222	12.8794	9.18813	9.4297	-0.5221	6.05E-06	4.98E-05	Down-regulated
NM_015038	KIAA0754	643314	2.99673	3.13977	2.12368	2.06116	-0.5236	0.0006741	0.0035979	Down-regulated
NR_037716	RNASEK	440400	28.5221	24.8597	17.4587	18.3262	-0.5236	0.0085006	0.0323032	Down-regulated
NM_033286	KNSTRN	90417	12.3265	13.7222	8.85181	8.80226	-0.5239	0.001581	0.0076015	Down-regulated
NR_047516	ARRB2	409	19.8289	19.9478	13.316	13.9572	-0.5239	1.60E-05	0.000121	Down-regulated
NM_031216	SEH1L	81929	11.835	11.6414	7.69365	8.41525	-0.524	6.12E-06	5.03E-05	Down-regulated
NM_024562	TANGO6	79613	4.61156	4.73655	3.14952	3.21763	-0.5241	0.0004809	0.0026619	Down-regulated
NM_001086521	NDUFAF8	284184	111.133	95.0659	69.8571	70.2778	-0.5245	0.0004139	0.0023267	Down-regulated
NM_173551	ANKS6	203286	2.77989	2.81882	1.99583	1.79642	-0.5248	0.0013445	0.0066295	Down-regulated
NM_080611	DUSP15	128853	16.5073	12.7281	9.93035	9.67098	-0.5249	0.0099624	0.0368755	Down-regulated
NM_001645	APOC1	341	421.385	379.121	277.201	272.808	-0.5255	7.04E-11	1.05E-09	Down-regulated
NM_016085	ATRAID	51374	16.8283	17.2507	12.2414	10.6326	-0.5257	0.0085318	0.032396	Down-regulated
NM_014623	MEA1	4201	47.8405	51.3155	38.7174	28.3694	-0.5265	0.0018108	0.0085343	Down-regulated
NM_001017964	acterial)(YDJ	150223	31.9969	33.9389	24.3864	20.4946	-0.5272	0.0001628	0.0010007	Down-regulated
NM_001081	CUBN	8029	1.9488	1.88071	1.29925	1.30605	-0.5277	0.0003036	0.0017573	Down-regulated
NM_001194998	CEP152	22995	3.26192	3.55636	2.19696	2.41313	-0.5284	0.0021149	0.0097655	Down-regulated
NM_001122838	NAPEPLD	222236	3.35925	2.87406	2.1627	2.01616	-0.5288	0.0055934	0.0225941	Down-regulated
NM_177924	ASAH1	427	168.033	169.855	112.037	120.778	-0.5291	3.35E-26	1.40E-24	Down-regulated
NM_033022	RPS24	6229	244.917	235.644	161.191	168.531	-0.5291	2.13E-12	3.61E-11	Down-regulated
NM_017495	RBM38	55544	12.5089	11.0074	7.36189	8.52838	-0.5291	0.0011102	0.0055968	Down-regulated
NM_005401	PTPN14	5784	2.9756	3.25791	2.239	2.01729	-0.5293	1.44E-05	0.0001096	Down-regulated
NM_001135822	FDP5	2224	179.117	146.433	110.793	112.044	-0.5297	1.87E-07	1.91E-06	Down-regulated
NM_005009	NME4	4833	205.423	189.722	141.585	129.725	-0.5297	5.79E-12	9.45E-11	Down-regulated
NM_001144012	TMX2	51075	15.3634	18.0493	10.0096	12.3979	-0.53	0.0045144	0.0187554	Down-regulated
NM_016391	NOP16	51491	41.4382	40.567	27.2374	28.774	-0.5303	2.05E-06	1.82E-05	Down-regulated
NM_004280	EEF1E1	9521	33.2479	29.977	21.3788	21.5464	-0.5304	0.0002226	0.0013256	Down-regulated
NM_001130089	KARS	3735	18.0851	17.9607	9.66994	14.3934	-0.531	0.0069255	0.02711	Down-regulated
NM_001098210	CTNNB1	1499	106.213	103.226	69.7822	74.342	-0.5312	8.28E-26	3.38E-24	Down-regulated
NM_003780	B4GALT2	8704	85.23	87.1588	58.7845	59.7334	-0.5316	2.70E-23	9.47E-22	Down-regulated
NM_001244926	PRPF4	9128	12.9039	11.4605	8.23571	8.35107	-0.5318	5.40E-05	0.0003682	Down-regulated
NR_104173	LOC283352	283352	222.682	206.32	142.524	148.598	-0.5319	1.62E-05	0.0001224	Down-regulated

NM_003959	HIP1R	9026	12.8704	12.9586	8.8187	8.87593	-0.5326	2.68E-09	3.39E-08	Down-regulated
NM_052853	ADCK2	90956	15.2934	14.8848	10.3372	10.2236	-0.5328	1.16E-05	9.03E-05	Down-regulated
NM_001859	SLC31A1	1317	18.2362	18.573	12.4156	12.8333	-0.5328	6.27E-13	1.12E-11	Down-regulated
NM_004814	SNRNP40	9410	33.64	32.1362	20.9737	23.837	-0.5333	4.98E-06	4.15E-05	Down-regulated
NM_031157	HNRNPA1	3178	66.3254	61.745	42.5101	45.2345	-0.5334	4.45E-12	7.32E-11	Down-regulated
NM_138383	MTSSL1L	92154	27.8067	27.3495	19.7286	18.1035	-0.5334	2.02E-14	4.11E-13	Down-regulated
NM_001098621	TMEM251	26175	24.3484	23.3645	15.9667	16.3509	-0.5335	0.0001812	0.0010994	Down-regulated
NM_153280	UBA1	7317	13.9704	18.4446	10.459	11.417	-0.5339	0.0006384	0.0034265	Down-regulated
NM_001317333	ARIH2	10425	16.9259	15.4151	11.6131	10.4532	-0.534	3.05E-07	3.03E-06	Down-regulated
NM_012456	TIMM10	26519	166.551	156.808	115.133	105.205	-0.535	2.58E-08	2.92E-07	Down-regulated
NM_012089	ABCB10	23456	8.91405	8.3086	5.85138	5.83155	-0.5351	2.34E-05	0.0001711	Down-regulated
NM_052969	RPL39L	116832	60.6455	59.2418	42.1672	38.7521	-0.5357	0.0001564	0.000967	Down-regulated
NM_021922	FANCE	2178	6.08927	5.80709	3.90829	4.02259	-0.5362	0.0052932	0.0215643	Down-regulated
NM_004749	TBRG4	9238	65.9399	66.0127	45.4697	44.9143	-0.5366	1.65E-20	5.03E-19	Down-regulated
NM_182705	RFLNB	359845	18.3212	16.741	11.7583	12.1618	-0.5367	3.21E-08	3.59E-07	Down-regulated
NM_001004722	NCK2	8440	8.99698	10.3543	6.72666	6.09454	-0.5369	0.0068472	0.0268315	Down-regulated
NM_032368	LZIC	84328	11.0864	10.7597	7.0084	7.87007	-0.537	3.70E-07	3.64E-06	Down-regulated
NM_138462	ZMYND19	116225	28.9443	31.5563	21.9101	18.9701	-0.5375	0.0001184	0.0007507	Down-regulated
NM_016292	TRAP1	10131	101.22	99.0444	67.3903	69.7583	-0.5376	2.79E-26	1.17E-24	Down-regulated
NM_031480	RIOK1	83732	9.69453	8.99495	6.07311	6.50061	-0.5379	0.0007236	0.0038376	Down-regulated
NM_0024592	SRD5A3	79644	4.58951	4.41307	2.91216	3.12377	-0.538	0.0017392	0.0082521	Down-regulated
NM_016625	RSRC1	51319	16.8701	17.2612	13.3377	9.28162	-0.5383	0.0078876	0.0303052	Down-regulated
NM_018321	BRX1	55299	52.8044	49.6537	32.4806	37.0984	-0.5388	2.18E-06	1.92E-05	Down-regulated
NM_002130	HMGCS1	3157	27.7069	26.1694	17.8162	19.0071	-0.5388	3.28E-15	7.08E-14	Down-regulated
NM_018122	DARS2	55157	32.0327	30.8426	20.9256	22.0132	-0.5389	9.53E-14	1.83E-12	Down-regulated
NM_020243	TOMM22	56993	84.6323	84.6854	57.7514	57.9295	-0.539	2.86E-15	6.21E-14	Down-regulated
NM_002913	RFC1	5981	5.54734	5.57996	3.52863	3.98167	-0.5391	0.0001978	0.0011933	Down-regulated
NM_017612	ZCCHC8	55596	5.14485	5.24615	3.66905	3.31722	-0.5393	0.0006514	0.0034881	Down-regulated
NM_019059	TOMM7	54543	312.282	270.742	209.6	186.764	-0.5393	3.60E-08	4.00E-07	Down-regulated
NM_017588	WDR5	11091	12.1638	12.0243	8.12697	8.27864	-0.5396	2.61E-06	2.27E-05	Down-regulated
NM_001040446	MTMR12	54545	7.17096	7.36336	5.03984	4.81536	-0.5401	2.91E-06	2.51E-05	Down-regulated
NM_001085372	UQC3	790955	9.67691	9.41689	6.09281	6.6201	-0.5402	0.0025404	0.0114343	Down-regulated
NM_201524	ADGRG1	9289	37.5448	35.0975	26.566	22.8987	-0.5403	2.32E-09	2.95E-08	Down-regulated
NM_014240	LIMD1	8994	15.2684	15.4728	10.6499	10.3281	-0.5409	1.14E-14	2.36E-13	Down-regulated
NM_018098	ECT2	1894	9.48703	9.11357	7.03896	5.46651	-0.541	0.0006201	0.0033386	Down-regulated
NM_001145443	PFKFB3	5209	15.31	15.1981	11.3681	9.29012	-0.541	9.95E-06	7.84E-05	Down-regulated
NM_015238	WWC1	23286	2.1301	1.9174	1.18895	1.47518	-0.5412	0.013361	0.0472934	Down-regulated
NM_037665	OC10050654	1E+08	3.76004	3.73359	2.53057	2.42278	-0.543	0.0047707	0.019662	Down-regulated
NM_001259	CDK6	1021	4.37765	2.79405	2.51843	2.19716	-0.5433	0.0103419	0.0381104	Down-regulated
NM_001293213	TUBB	203068	8.29707	7.15519	5.04793	5.18519	-0.5437	0.0067945	0.0266576	Down-regulated
NM_182524	ZNF595	152687	13.9287	13.4199	9.35544	9.1474	-0.5438	1.92E-06	1.71E-05	Down-regulated
NM_015009	PDZRN3	23024	7.67092	7.18435	5.17828	4.83866	-0.5443	4.03E-05	0.0002811	Down-regulated
NM_182639	HPS1	3257	13.7488	15.0418	11.0623	7.82071	-0.5444	0.0114415	0.0415141	Down-regulated
NM_000943	PPIC	5480	38.1577	36.1784	24.0368	26.1742	-0.5446	8.18E-06	6.55E-05	Down-regulated
NM_001042467	MLPH	79083	15.8215	19.3006	11.4796	12.2222	-0.5446	2.07E-05	0.0001527	Down-regulated
NM_133266	SHANK2	22941	8.14777	8.6012	5.99798	5.36277	-0.5449	1.39E-08	1.62E-07	Down-regulated
NM_002157	member 1(f	3336	374.127	346.121	240.306	249.62	-0.5449	2.45E-19	7.00E-18	Down-regulated
NM_018677	ACSS2	55902	69.6805	66.5706	46.6071	46.2157	-0.545	5.24E-24	1.92E-22	Down-regulated
NM_006101	NDC80	10403	7.90003	7.77931	4.97777	5.39579	-0.5457	0.00329	0.0142643	Down-regulated
NM_001271783	FAR2	55711	21.252	21.2352	13.6931	15.14	-0.5458	4.25E-10	5.88E-09	Down-regulated
NM_001160130	KCNQ5	56479	3.55323	3.25578	2.33157	2.23396	-0.5458	0.0004524	0.002517	Down-regulated
NM_001048210	CLCC1	23155	3.0921	3.57393	2.40217	1.97253	-0.5462	0.0085787	0.0325349	Down-regulated
NM_001253875	UXS1	80146	12.8326	11.6836	7.63282	8.74106	-0.5467	0.0007914	0.0041596	Down-regulated
NM_024573	ARMT1	79624	9.23373	10.0643	6.08426	6.81445	-0.5467	0.0005768	0.0031285	Down-regulated
NM_198887	NUP43	348995	6.02735	5.74137	4.01693	3.85136	-0.5468	0.000351	0.002004	Down-regulated
NM_001256763	FAM49B	51571	14.1	11.8783	9.48561	7.92308	-0.5471	0.0001704	0.0010415	Down-regulated
NM_013367	ANAPC4	29945	7.65205	7.69994	5.21969	5.03383	-0.5472	0.0007869	0.0041421	Down-regulated
NM_001212	CIQBP	708	378.968	360.98	244.25	258.708	-0.5473	3.74E-25	1.47E-23	Down-regulated
NM_178557	NAT8L	339983	29.2363	30.1661	20.9487	19.4132	-0.5477	1.31E-17	3.31E-16	Down-regulated
NM_002886	RAP2B	5912	11.1646	10.8373	7.72469	7.20295	-0.5482	1.14E-12	1.97E-11	Down-regulated
NM_014873	LPGAT1	9926	6.60903	6.79815	4.50386	4.57213	-0.5482	8.46E-09	1.01E-07	Down-regulated
NM_014412	CACYBP	27101	50.1238	51.8601	35.0415	34.258	-0.5482	1.95E-20	5.92E-19	Down-regulated
NM_138342	GLB1L2	89944	11.6823	12.0936	7.60533	8.41035	-0.5483	1.15E-05	8.93E-05	Down-regulated
NM_020925	CACHD1	57685	2.64877	2.79912	1.79995	1.7876	-0.5484	0.0043559	0.0181763	Down-regulated
NM_004260	RECQL4	9401	24.885	27.1226	18.5193	16.6678	-0.5488	2.93E-09	3.69E-08	Down-regulated
NM_014463	LSM3	27258	243.66	224.149	155.297	160.992	-0.5493	9.61E-12	1.54E-10	Down-regulated
NM_001135146	SLC39A8	64116	7.27755	8.58022	5.67795	4.85587	-0.5494	0.0018345	0.0086206	Down-regulated
NM_001172128	IL16	3603	7.02908	7.31988	5.10474	4.58449	-0.5496	5.54E-08	6.04E-07	Down-regulated
NM_001281496	PHB	5245	74.2332	69.9852	54.26	42.7729	-0.5505	4.16E-06	3.51E-05	Down-regulated
NM_000019	ACAT1	38	39.7277	37.706	25.3077	27.0512	-0.5506	1.92E-10	2.77E-09	Down-regulated
NM_152667	NANP	140838	3.79548	3.43777	2.34317	2.40398	-0.551	0.006577	0.0259108	Down-regulated
NM_001040694	INCENP	3619	13.5709	14.9696	9.64543	9.61967	-0.5512	5.33E-08	5.81E-07	Down-regulated
NM_000214	JAG1	182	4.15031	4.81931	2.97789	3.00868	-0.5516	0.0003208	0.0018471	Down-regulated
NM_032822	FAM136A	84908	32.3414	27.3607	18.6071	21.3456	-0.5517	6.84E-05	0.0004558	Down-regulated
NM_025179	PLXNA2	5362	2.13665	2.37736	1.60386	1.40572	-0.5519	0.0004084	0.0022991	Down-regulated
NM_001037330	TRIM16L	147166	8.0063	6.95118	4.6531	5.10336	-0.5524	0.0087056	0.0329054	Down-regulated
NM_017838	NHP2	55651	453.936	428.364	295.744	301.595	-0.5525	1.38E-25	5.53E-24	Down-regulated
NM_181333	PRR5	55615	36.5468	35.1541	23.9561	24.416	-0.5527	8.40E-10	1.12E-08	Down-regulated
NM_001436	FBL	2091	181.46	171.122	123.158	115.363	-0.5528	1.22E-16	2.86E-15	Down-regulated
NM_032340	UQC3	84300	49.4238	42.0331	30.1405	31.1658	-0.5534	7.03E-06	5.71E-05	Down-regulated
NM_021953	FOXM1	2305	14.3555	11.7372	9.21986	8.19532	-0.5535	0.0001536	0.0009518	Down-regulated
NM_001199174	MLST8	64223	51.8313	51.045	35.3997	34.0749	-0.5539	2.00E-12	3.40E-11	Down-regulated
NM_000136	FANCC	2176	3.71007	3.61468	2.64153	2.17335	-0.554	0.0042922	0.0179496	Down-regulated
NM_003234	TFRC	7037	20.1211	18.9019	13.5287	12.8264	-0.5546	4.26E-13	7.74E-12	Down-regulated

NM_001042371	PGP	283871	26.3024	25.7265	18.0998	16.9881	-0.5547	1.24E-11	1.96E-10	Down-regulated
NM_001122821	SET	6418	17.6889	15.4342	11.6245	10.5457	-0.5548	1.51E-05	0.0001149	Down-regulated
NM_178448	SAPCD2	89958	19.3542	19.0276	13.6158	12.23	-0.555	2.43E-09	3.09E-08	Down-regulated
NM_018085	IPO9	55705	7.76887	7.67155	5.0714	5.35375	-0.5553	9.86E-14	1.89E-12	Down-regulated
NM_0022662	ANAPC1	64682	9.50323	9.97548	6.6349	6.49864	-0.5553	1.03E-11	1.65E-10	Down-regulated
NM_001031835	PHKB	5257	6.34763	6.39717	4.57658	3.95488	-0.5554	2.83E-05	0.0002032	Down-regulated
NM_005030	PLK1	5347	43.2696	41.4882	28.3765	28.823	-0.5558	8.52E-14	1.64E-12	Down-regulated
NM_172217	IL16	3603	22.0726	22.8865	14.7329	15.6414	-0.5565	1.49E-20	4.57E-19	Down-regulated
NM_000533	PLP1	5354	25.8746	21.8715	16.791	15.1742	-0.5569	3.29E-06	2.82E-05	Down-regulated
NM_002520	NPM1	4869	971.902	956.753	641.654	662.022	-0.5576	3.20E-67	4.13E-65	Down-regulated
NM_001159746	ABR	29	19.9741	21.5912	15.2329	12.6612	-0.5576	2.24E-07	2.27E-06	Down-regulated
NM_170784	MKKS	8195	14.1979	16.0324	10.4626	9.7347	-0.5581	7.76E-06	6.24E-05	Down-regulated
NM_018405	COPRS	55352	74.7444	71.4728	46.5444	51.3216	-0.5589	2.58E-07	2.59E-06	Down-regulated
NM_003201	TFAM	7019	8.22563	8.23508	5.15506	5.86577	-0.559	2.34E-06	2.05E-05	Down-regulated
NR_135259	RPL22L1	200916	8.78343	7.58184	5.28117	5.40063	-0.5593	0.0046464	0.0192287	Down-regulated
NM_014181	LGALS1	29094	6.71676	6.86324	4.58424	4.44405	-0.5595	7.56E-05	0.000499	Down-regulated
NM_001079524	PAICS	10606	49.611	53.5054	31.6314	37.5504	-0.5598	9.13E-09	1.09E-07	Down-regulated
NM_001308048	PRUNE2	158471	5.15493	4.77011	2.58294	3.93524	-0.5598	0.0027264	0.0121375	Down-regulated
NM_052845	iciency)cblB	326625	9.62871	9.30129	6.13724	6.51522	-0.56	1.30E-06	1.19E-05	Down-regulated
NM_023077	utative)(COA	65260	23.1708	20.7874	14.2104	15.1514	-0.5604	3.58E-06	3.05E-05	Down-regulated
NM_000788	DCK	1633	11.7604	11.3634	7.69754	7.71337	-0.5605	2.52E-05	0.0001833	Down-regulated
NM_016400	HYPK	25764	53.7205	49.7103	35.3051	33.9997	-0.5606	1.41E-08	1.64E-07	Down-regulated
NM_016622	MRPL35	51318	13.6256	13.8242	8.88808	9.48524	-0.5607	2.13E-07	2.17E-06	Down-regulated
NM_000523	HOXD13	3239	9.33069	9.79473	6.54627	6.09114	-0.5614	0.0005153	0.0028242	Down-regulated
NM_213566	DFFA	1676	7.78659	7.03001	4.38671	5.37096	-0.5627	0.0011989	0.0059863	Down-regulated
NM_003566	EEA1	8411	12.8317	13.2222	8.73175	8.78194	-0.5629	7.20E-17	1.73E-15	Down-regulated
NM_001102575	SNX18	112574	10.6119	10.9736	7.18495	7.27479	-0.5629	1.38E-09	1.80E-08	Down-regulated
NM_001134493	TOMM6	1E+08	143.637	140.691	94.9738	95.5968	-0.563	3.47E-14	6.97E-13	Down-regulated
NM_006928	PMEL	6490	595.217	659.827	426.408	417.496	-0.5633	2.46E-23	8.65E-22	Down-regulated
NM_203486	DLL3	10683	6.43278	6.45332	3.90214	4.4325	-0.5634	0.0092283	0.0345735	Down-regulated
NM_002158	FOXN2	3344	8.08535	8.43614	5.23599	5.78545	-0.5646	6.14E-07	5.86E-06	Down-regulated
NM_012310	KIF4A	24137	10.1877	10.5515	7.0598	6.7948	-0.565	6.01E-08	6.51E-07	Down-regulated
NM_001199344	RPL17	6139	271.415	241.48	184.034	158.138	-0.5654	2.37E-08	2.70E-07	Down-regulated
NM_006413	RPP30	10556	10.0036	9.3394	6.45323	6.30243	-0.5659	0.0003742	0.0021226	Down-regulated
NM_020148	SPIRE1	56907	12.6568	13.9809	8.49324	9.28457	-0.5662	2.06E-08	2.36E-07	Down-regulated
NM_001174130	SLC11A2	4891	11.1376	11.6592	8.16282	6.97518	-0.5672	5.04E-06	4.19E-05	Down-regulated
NM_001321196	SLC27A5	10998	5.72187	5.55359	3.64758	3.61766	-0.5679	0.0102703	0.0379052	Down-regulated
NM_004900	APOBEC3B	9582	44.8448	37.8774	24.4123	30.1741	-0.568	0.0001396	0.0008736	Down-regulated
NM_014640	TTL4	9654	13.7452	14.0521	9.39681	9.18784	-0.5682	8.56E-12	1.37E-10	Down-regulated
NM_006530	YEATS4	8089	16.6384	18.076	10.2077	12.4783	-0.5683	0.0013383	0.0066008	Down-regulated
NM_030817	APOLD1	81575	13.5143	16.7299	10.1617	9.90727	-0.5687	8.00E-06	6.42E-05	Down-regulated
NM_001304275	RAPGEF1	2889	7.50598	7.21806	5.02553	4.76922	-0.5693	8.81E-08	9.36E-07	Down-regulated
NM_004104	FASN	2194	231.556	243.704	163.67	154.89	-0.5695	2.48E-35	1.41E-33	Down-regulated
NM_001095	ASIC1	41	9.76972	10.1048	6.67594	6.53738	-0.5698	7.76E-07	7.33E-06	Down-regulated
NM_001320732	CAPG	822	158.944	129.083	84.7777	105.588	-0.5699	2.45E-05	0.0001784	Down-regulated
NM_006427	SIVA1	10572	36.6573	44.722	25.5845	27.4219	-0.5699	0.001928	0.0090068	Down-regulated
NM_000819	GART	2618	28.8991	27.0167	20.4421	16.6697	-0.5704	1.04E-06	9.58E-06	Down-regulated
NM_175732	PTPMT1	114971	7.70624	7.2533	4.65904	5.11816	-0.5705	0.0010178	0.0051886	Down-regulated
NM_173491	LSM11	134353	2.35516	2.46906	1.64472	1.49083	-0.5708	0.0022403	0.0102505	Down-regulated
NM_001134875	C14orf80	283643	13.892	14.9742	8.1346	10.5921	-0.5709	0.0029408	0.0129471	Down-regulated
NM_173156	SMG7	9887	6.53473	5.18802	4.58966	2.88973	-0.571	0.0128225	0.0456831	Down-regulated
NM_002946	RPA2	6118	36.5883	37.2943	23.9464	25.2538	-0.5714	5.95E-10	8.06E-09	Down-regulated
NM_174911	FAM84B	157638	8.24229	9.33462	5.78283	5.88657	-0.5714	9.27E-07	8.64E-06	Down-regulated
NM_003720	PSMG1	8624	44.9459	39.6734	28.5679	27.3798	-0.5717	8.59E-06	6.85E-05	Down-regulated
NM_001904	CTNNB1	1499	80.6132	89.2372	60.9712	52.1533	-0.5719	2.15E-10	3.08E-09	Down-regulated
NM_000431	MVK	4598	13.5216	15.6421	9.02503	10.1105	-0.5728	0.0003097	0.0017901	Down-regulated
NR_003098	SNHG1	23642	37.6513	41.8666	26.5539	25.9146	-0.5732	9.24E-06	7.33E-05	Down-regulated
NM_001002800	SMC4	10051	14.4945	14.7801	8.92807	10.5095	-0.5739	3.70E-08	4.11E-07	Down-regulated
NR_026641	INTS2	57508	3.38925	2.55857	1.93905	1.8821	-0.574	0.0057958	0.0232258	Down-regulated
NM_001004106	GRK6	2870	8.18551	8.48869	5.93995	4.96545	-0.5741	0.0005706	0.0030967	Down-regulated
NM_001305142	NMRAL1	57407	14.929	12.4435	8.52378	9.02473	-0.5741	0.0065513	0.0258467	Down-regulated
NM_015135	NUP205	23165	24.346	24.529	16.3233	16.291	-0.5744	2.69E-25	1.07E-23	Down-regulated
NM_001032291	PSRC1	84722	10.0864	10.6786	5.68116	7.57799	-0.5746	0.0082465	0.0314752	Down-regulated
NM_032777	ADGRA2	25960	9.75808	9.75857	6.56786	6.40618	-0.5747	1.43E-10	2.09E-09	Down-regulated
NM_001330104	CDC16	8881	7.06957	8.36331	5.65127	4.17402	-0.5749	0.010946	0.0399894	Down-regulated
NM_002519	NPAT	4863	4.15849	4.17175	2.53973	2.91865	-0.5751	0.0002	0.0012061	Down-regulated
NM_006401	ANP32B	10541	117.161	114.24	74.132	80.0268	-0.5754	6.18E-19	1.69E-17	Down-regulated
NM_015889	MED15	51586	35.7491	38.9047	24.1237	25.529	-0.5758	2.26E-13	4.21E-12	Down-regulated
NM_058216	RAD51C	5889	17.3455	18.9465	11.0014	12.6112	-0.5768	0.0010748	0.0054413	Down-regulated
NM_001174102	PRR7	80758	17.1665	13.8296	9.95904	9.97533	-0.5771	0.0041578	0.0174714	Down-regulated
NM_002298	LCP1	3936	6.46203	6.12731	3.71271	4.49098	-0.5772	0.0006842	0.0036444	Down-regulated
NM_144772	epimerase(N	128240	76.0398	72.2713	49.1169	49.1299	-0.5781	4.92E-11	7.46E-10	Down-regulated
NM_015463	CNRIP1	25927	14.9092	16.3074	10.3202	10.1523	-0.5785	3.56E-05	0.0002505	Down-regulated
NM_002424	MMP8	4317	17.324	17.3234	10.7219	12.1616	-0.5786	1.84E-07	1.89E-06	Down-regulated
NM_001995	ACSL1	2180	37.698	35.6529	24.4557	24.3035	-0.5787	8.54E-20	2.49E-18	Down-regulated
NM_001256689	MELK	9833	8.78488	7.44905	5.47742	5.01851	-0.5793	0.0021199	0.0097789	Down-regulated
NM_003714	STC2	8614	2.66012	2.81986	1.75262	1.78408	-0.5795	0.002529	0.0113885	Down-regulated
NM_030922	NIP2	81614	7.11757	7.67372	4.57107	5.09079	-0.5803	0.0002604	0.0015278	Down-regulated
NM_015380	SAMM50	25813	42.8391	38.5529	27.0047	26.7637	-0.5804	5.32E-09	6.53E-08	Down-regulated
NM_001042539	MAZ	4150	65.8644	66.9982	46.4071	41.7288	-0.5807	3.22E-16	7.38E-15	Down-regulated
NM_001135032	EVA1A	84141	15.8519	14.2687	10.0973	9.5953	-0.5808	0.0001345	0.000845	Down-regulated
NM_138410	CMTM7	112616	40.748	38.9365	26.5833	25.9663	-0.581	4.05E-08	4.48E-07	Down-regulated
NM_032304	HAGHL	84264	29.0378	30.414	19.8751	19.1791	-0.5814	2.34E-06	2.05E-05	Down-regulated
NM_003634	egans)(NIPSN	8508	37.5704	33.8393	23.5063	23.6818	-0.5815	5.03E-10	6.91E-09	Down-regulated

NM_012321	LSM4	25804	51.2311	48.6576	32.68	33.4373	-0.5819	2.94E-13	5.41E-12	Down-regulated
NM_001618	e) polymerase	142	59.7513	58.5106	39.9616	38.5716	-0.5824	5.76E-32	2.98E-30	Down-regulated
NM_015190	member C9(C	23234	21.6592	20.3398	13.5747	14.0772	-0.583	5.32E-08	5.81E-07	Down-regulated
NM_006014	LAGE3	8270	88.7258	85.6868	58.0722	56.8925	-0.5837	7.53E-11	1.12E-09	Down-regulated
NM_005079	TPD52	7163	22.0688	20.3054	14.2281	13.7714	-0.5838	6.89E-12	1.12E-10	Down-regulated
NM_020448	NIPAL3	57185	16.8949	19.7528	11.2445	12.8488	-0.5851	2.68E-07	2.68E-06	Down-regulated
NM_152406	AFAP1L1	134265	10.9152	10.8458	6.83494	7.52123	-0.5851	3.67E-10	5.13E-09	Down-regulated
NM_003920	TIMELESS	8914	13.5499	12.6057	8.86492	8.38029	-0.5851	2.79E-10	3.95E-09	Down-regulated
NM_001017928	CCDC58	131076	43.6537	40.5467	25.1467	29.0864	-0.586	0.0010521	0.0053394	Down-regulated
NM_003875	GMPS	8833	31.8638	32.6534	21.0973	21.4899	-0.5861	3.59E-13	6.57E-12	Down-regulated
NM_001291324	BAHCC1	57597	11.4717	12.3846	8.03582	7.72934	-0.5862	1.53E-15	3.38E-14	Down-regulated
NM_003636	KCNAB2	8514	14.4562	14.8498	10.5267	8.68388	-0.5863	1.53E-06	1.38E-05	Down-regulated
NM_148904	OSBPL9	114883	11.7626	16.4867	7.40995	10.5621	-0.5866	0.0057323	0.0230388	Down-regulated
NM_032588	TRIM63	84676	37.6567	33.9304	23.1777	23.8601	-0.5877	2.11E-08	2.41E-07	Down-regulated
NM_001270623	SLC16A7	9194	1.61297	1.53888	1.01227	1.03086	-0.5878	0.0003574	0.0020384	Down-regulated
NM_001164665	KIAA1549	57670	1.57747	2.10413	1.22543	1.1315	-0.5894	0.0028872	0.0127433	Down-regulated
NM_001080450	BEND3	57673	2.09154	2.02651	1.41745	1.19326	-0.5895	0.0047083	0.0194426	Down-regulated
NM_006191	PA2G4	5036	121.426	116.481	76.6284	80.4989	-0.5897	6.38E-31	3.17E-29	Down-regulated
NM_004854	CHST10	9486	8.56114	8.1115	5.42588	5.39259	-0.5908	0.0001063	0.0006805	Down-regulated
NM_001271146	ST3GAL6	10402	23.0911	21.0537	12.806	15.9661	-0.591	5.30E-06	4.40E-05	Down-regulated
NM_000786	CYP51A1	1595	79.7343	81.1159	54.6387	51.4749	-0.5915	5.80E-29	2.70E-27	Down-regulated
NM_020169	LXN	56925	37.5973	31.7611	21.2667	23.5753	-0.5915	0.0001579	0.0009745	Down-regulated
NM_004453	ETFDH	2110	5.60883	6.22822	4.10704	3.34504	-0.5916	0.0076919	0.0296846	Down-regulated
NM_032361	THOC3	84321	34.5945	34.554	22.3053	23.0174	-0.5917	4.28E-09	5.31E-08	Down-regulated
NM_002271	IPO5	3843	17.6503	16.8189	11.095	11.5902	-0.5919	3.49E-16	7.97E-15	Down-regulated
NM_006940	SOX5	6660	2.59355	3.79428	1.98757	2.04851	-0.5924	0.0068638	0.0268854	Down-regulated
NM_182526	TMEM229B	161145	15.1181	15.4923	10.4102	9.65318	-0.5933	3.09E-10	4.35E-09	Down-regulated
NM_024884	L2HGDH	79944	2.6465	2.65135	1.69406	1.70663	-0.5936	0.0009639	0.0049467	Down-regulated
NM_212552	BOLA3	388962	67.7594	62.8665	43.3026	40.2338	-0.5955	0.0006468	0.0034666	Down-regulated
NM_006230	POLD2	5425	71.2302	68.8121	46.0384	45.8786	-0.5957	1.91E-17	4.74E-16	Down-regulated
NM_001316772	GARS	2617	10.1662	6.68914	4.76577	5.69027	-0.5969	0.0135557	0.0478581	Down-regulated
NM_181521	CMTM4	146223	2.44532	2.58768	1.56976	1.66478	-0.5983	0.0002162	0.0012917	Down-regulated
NR_037669	GGCT	79017	17.4182	16.3153	8.94318	12.0472	-0.5986	0.010989	0.0401238	Down-regulated
NR_036623	DBF4B	80174	8.72713	9.67381	5.76504	6.13936	-0.5988	1.92E-05	0.0001424	Down-regulated
NM_152420	CARNMT1	138199	5.77806	4.71248	2.98007	3.67915	-0.599	0.0021638	0.0099482	Down-regulated
NM_006443	DNPH1	10591	94.485	90.2852	62.1782	57.4023	-0.5991	1.66E-06	1.49E-05	Down-regulated
NM_001901	CTGF	1490	11.8281	13.3205	7.75516	8.44086	-0.6003	7.91E-05	0.0005202	Down-regulated
NM_001243953	KIF2A	3796	6.49277	5.26987	3.60128	3.91234	-0.6003	0.0008239	0.0043082	Down-regulated
NM_004462	FDFT1	2222	244.026	224.548	156.244	150.826	-0.6004	7.77E-28	3.48E-26	Down-regulated
NM_148923	CYB5A	1528	58.2156	62.4033	36.7303	41.2339	-0.6013	6.38E-06	5.23E-05	Down-regulated
NM_012460	TIMM9	26520	18.8046	17.2516	11.2528	11.6572	-0.6017	0.0008797	0.0045748	Down-regulated
NM_205850	SLC24A5	283652	62.8484	64.4989	40.0904	43.0772	-0.6017	3.79E-14	7.58E-13	Down-regulated
NM_005500	SAE1	10055	86.3303	82.0933	53.3699	56.8074	-0.6021	7.43E-23	2.54E-21	Down-regulated
NM_138443	HAUS1	115106	28.6232	28.0016	17.142	19.2997	-0.6022	7.26E-05	0.0004808	Down-regulated
NM_016368	ISYNA1	51477	28.1113	26.6728	18.0003	17.689	-0.6022	3.91E-11	5.97E-10	Down-regulated
NM_020921	NIN	51199	7.12564	7.44917	4.72868	4.79122	-0.6023	1.15E-13	2.20E-12	Down-regulated
NM_003600	AURKA	6790	6.10595	5.40759	3.37739	3.8161	-0.6034	0.0055999	0.0226066	Down-regulated
NM_030811	MRPS26	64949	41.9272	39.4571	25.5934	27.0314	-0.6034	3.22E-06	2.77E-05	Down-regulated
NM_018211	RAVER2	55225	2.84447	3.41452	1.97749	1.94372	-0.6035	0.0051424	0.0210222	Down-regulated
NM_017547	FOXRED1	55572	14.5661	12.9861	8.93471	8.781	-0.6043	5.49E-05	0.0003734	Down-regulated
NM_152903	KBTD6	89890	2.63697	3.09665	1.77013	1.85744	-0.6045	0.002893	0.0127659	Down-regulated
NM_001242659	FNDC10	643988	22.8591	22.345	14.3118	15.0124	-0.6047	2.52E-08	2.85E-07	Down-regulated
NM_001252499	RHNO1	83695	10.2149	10.5225	7.28328	5.84027	-0.605	0.0017998	0.0084911	Down-regulated
NM_001170543	PGAM5	192111	12.8548	13.4281	9.12417	7.81113	-0.6051	1.05E-05	8.23E-05	Down-regulated
NM_130384	ATRIP	84126	7.82454	7.33769	4.97086	4.69786	-0.606	0.0004197	0.0023558	Down-regulated
NM_001284364	ULK3	25989	26.7555	25.3865	17.1277	16.7467	-0.6064	1.15E-11	1.84E-10	Down-regulated
NM_001843	CNTN1	1272	2.68485	2.75626	1.74558	1.70236	-0.6064	0.0011105	0.0055968	Down-regulated
NR_130789	MIEF1	54471	7.39197	9.72778	6.15499	4.70097	-0.6065	0.0011248	0.0056572	Down-regulated
NM_003071	HLTF	6596	7.02157	5.87725	3.5111	4.67208	-0.6066	0.0010013	0.0051181	Down-regulated
NM_003095	SNRPF	6636	127.96	116.342	78.9843	79.3686	-0.607	3.50E-10	4.90E-09	Down-regulated
NM_001291366	PERM1	84808	8.48542	10.659	7.31936	4.49718	-0.6077	0.010582	0.0388603	Down-regulated
NM_001001790	TOMM5	401505	148.998	130.449	89.4543	91.222	-0.6082	7.49E-09	9.02E-08	Down-regulated
NM_005192	CDKN3	1033	45.0446	43.1674	27.8682	28.8332	-0.6084	8.05E-06	6.45E-05	Down-regulated
NM_001080826	SGK223	157285	12.3423	13.1184	8.85172	7.59332	-0.609	1.25E-07	1.31E-06	Down-regulated
NM_024775	GEMIN6	79833	59.0305	53.0972	37.9016	33.4701	-0.6092	0.0001842	0.0011162	Down-regulated
NM_001449	FHL1	2273	14.4775	14.7691	10.3949	8.32395	-0.6092	7.15E-05	0.0004743	Down-regulated
NM_007027	nding protein	11073	12.8417	13.5214	8.68967	8.42791	-0.6094	2.12E-12	3.60E-11	Down-regulated
NM_002641	PIGA	5277	12.2828	11.3823	7.49371	7.78724	-0.6095	1.16E-07	1.22E-06	Down-regulated
NM_000633	BCL2	596	2.60735	3.07176	1.72196	1.86696	-0.6098	0.0011032	0.0055645	Down-regulated
NM_001286635	C6orf89	221477	5.59926	5.36892	3.22788	3.81728	-0.6102	7.27E-06	5.89E-05	Down-regulated
NM_003094	SNRPE	6635	90.9043	81.6776	54.4897	57.3296	-0.6121	2.53E-13	4.67E-12	Down-regulated
NM_182692	SRPK2	6733	25.1133	23.1748	15.165	16.1102	-0.6122	1.31E-12	2.27E-11	Down-regulated
NR_027166	RRC75A-AS	125144	287.543	262.919	180.936	176.062	-0.6124	7.39E-20	2.17E-18	Down-regulated
NM_015944	AMDHD2	51005	6.68403	6.37149	3.96533	3.99865	-0.6125	0.0125883	0.0450169	Down-regulated
NM_201286	USP51	158880	2.43616	2.03987	1.30019	1.42698	-0.6125	0.0138344	0.0486863	Down-regulated
NM_017958	PLEKHB2	55041	5.5916	3.83529	3.07504	2.75641	-0.6127	0.0074718	0.028964	Down-regulated
NM_001096	ACLY	47	88.413	86.9535	58.6605	55.338	-0.6131	6.38E-39	4.07E-37	Down-regulated
NM_007085	FSTL1	11167	15.7165	15.9416	9.83137	10.6267	-0.6136	1.24E-10	1.82E-09	Down-regulated
NM_001013836	MAD1L1	8379	13.1792	11.8925	6.82396	9.04807	-0.6136	0.000548	0.0029851	Down-regulated
NM_024668	ANKHD1	54882	7.20728	8.06641	5.08633	4.47157	-0.6137	0.0022799	0.0103991	Down-regulated
NM_001199954	ACTG1	71	20.8823	19.0239	15.6754	8.73291	-0.6148	0.011015	0.040188	Down-regulated
NM_001126	ADSS	159	33.4279	33.0245	21.1767	21.8143	-0.6154	1.12E-16	2.65E-15	Down-regulated
NM_033415	ARMC6	93436	17.2598	20.7948	12.0639	12.2483	-0.6167	8.88E-06	7.07E-05	Down-regulated
NM_004558	NRTN	4902	19.1414	20.2245	13.5978	11.0911	-0.6167	0.0016977	0.0080813	Down-regulated

NM_0017839	LPCAT2	54947	9.95808	9.59252	6.27181	6.33315	-0.6168	1.96E-10	2.82E-09	Down-regulated
NM_0006721	ADK	132	12.246	13.7819	8.19084	8.36064	-0.617	7.81E-05	0.0005143	Down-regulated
NM_001145099	SLC2A6	11182	7.9071	9.79507	5.99242	5.07649	-0.6171	0.0022586	0.0103192	Down-regulated
NM_001331040	INPP4B	8821	16.6002	15.7879	11.2518	9.56603	-0.6178	1.50E-08	1.74E-07	Down-regulated
NM_001136204	RCC2	55920	26.3342	27.2623	15.4248	18.9897	-0.6183	3.49E-08	3.89E-07	Down-regulated
NM_017826	SOHLH2	54937	5.66182	4.9962	3.13702	3.38918	-0.6188	0.0079739	0.0305878	Down-regulated
NM_012393	PFAS	5198	15.841	15.9027	10.5532	9.9168	-0.6193	3.71E-15	7.97E-14	Down-regulated
NM_201995	SF1	7536	11.136	10.4325	5.78651	7.80411	-0.6194	0.0005061	0.0027765	Down-regulated
NM_182625	GEN1	348654	2.26276	3.09838	1.45322	1.83344	-0.6195	0.0078179	0.0300617	Down-regulated
NM_0003384	VRK1	7443	9.79606	9.90291	4.79815	7.14481	-0.6198	0.0115161	0.0417057	Down-regulated
NM_145886	PIDD1	55367	10.415	9.46302	6.14199	6.50775	-0.62	1.34E-05	0.0001028	Down-regulated
NM_005496	SMC4	10051	6.83622	6.20418	4.15553	4.17439	-0.62	1.44E-06	1.30E-05	Down-regulated
NM_181503	EXOSC8	11340	22.2252	20.8884	13.4243	13.9422	-0.6208	1.88E-05	0.0001398	Down-regulated
NM_001363	DKC1	1736	57.3525	53.9723	34.6853	37.0965	-0.6211	4.79E-18	1.24E-16	Down-regulated
NM_017793	RPP25	54913	44.9905	43.6311	28.0495	29.0851	-0.6211	1.40E-17	3.51E-16	Down-regulated
NM_016507	CDK12	51755	5.37865	4.16352	3.12254	2.91563	-0.6215	0.0001148	0.0007303	Down-regulated
NM_001001994	GPM6B	2824	36.0986	34.2661	22.7366	22.6834	-0.6217	1.05E-25	4.24E-24	Down-regulated
NM_001032283	TMPO	7112	16.9375	19.2358	11.4653	11.7493	-0.6219	7.08E-10	9.53E-09	Down-regulated
NM_000026	ADSL	158	77.1869	76.6155	50.0709	49.1054	-0.6219	1.27E-22	4.28E-21	Down-regulated
NM_207370	GPR153	387509	5.53761	6.38875	3.92734	3.59277	-0.622	0.0001796	0.0010918	Down-regulated
NM_004336	BUB1	699	11.9765	11.9728	7.59517	7.75066	-0.6224	7.40E-09	8.94E-08	Down-regulated
NM_002882	RANBP1	5902	74.5065	61.8806	41.6875	45.251	-0.6226	1.03E-06	9.54E-06	Down-regulated
NM_017566	KLHDC4	54758	7.81947	7.3124	4.72897	4.62377	-0.6248	0.0022843	0.0104142	Down-regulated
NM_001193646	ATF5	22809	13.6961	9.52373	6.86138	7.42193	-0.625	0.0044242	0.0184207	Down-regulated
NR_026757	OIP5-AS1	729082	20.5888	19.1815	12.2523	13.0163	-0.6255	1.18E-06	1.09E-05	Down-regulated
NM_173555	TYSDN1	219743	6.80164	8.25033	4.62535	4.86148	-0.6256	0.0001346	0.000845	Down-regulated
NM_001919	ECI1	1632	60.699	55.8638	37.1488	37.1942	-0.6259	9.63E-09	1.14E-07	Down-regulated
NM_001193941	RPL17	6139	87.9139	74.4349	47.9655	54.8105	-0.6268	1.01E-05	7.93E-05	Down-regulated
NM_014669	NUP93	9688	47.4307	44.926	29.9289	29.4264	-0.6268	1.90E-21	6.04E-20	Down-regulated
NM_018290	PGM2	55276	11.8013	11.0797	7.1573	7.40979	-0.6269	3.05E-07	3.03E-06	Down-regulated
NM_203314	BDH1	622	2.5791	2.44522	1.43561	1.58168	-0.6279	0.0131719	0.0467105	Down-regulated
NR_024031	DANCR	57291	45.3627	38.8609	25.4779	27.4761	-0.628	0.0001236	0.0007807	Down-regulated
NM_004805	POLR2D	5433	14.7611	14.9016	9.57485	9.26144	-0.6281	6.69E-07	6.36E-06	Down-regulated
NM_006711	RNPS1	10921	21.533	23.5902	13.2758	15.3736	-0.6283	1.66E-06	1.49E-05	Down-regulated
NM_001145971	RDH13	112724	10.3814	12.2873	7.31435	6.83378	-0.6286	0.0006101	0.0032882	Down-regulated
NM_001827	CKS2	1164	371.038	332.03	220.814	228.479	-0.6287	6.89E-14	1.34E-12	Down-regulated
NM_016466	ANKRD39	51239	29.9804	32.204	20.4733	18.4303	-0.6292	0.0002253	0.0013396	Down-regulated
NM_013250	ZNF215	7762	3.66925	3.28686	1.92907	2.31784	-0.6297	0.005202	0.0212427	Down-regulated
NM_001257144	DDX11	1663	4.74691	3.42195	2.45908	2.51216	-0.6297	0.0070487	0.0275307	Down-regulated
NM_001324475	INTS3	65123	7.63145	9.86333	6.06538	4.86505	-0.63	0.0004289	0.002401	Down-regulated
NM_005873	RGS19	10287	19.5367	20.228	15.2627	8.61722	-0.6312	0.0116689	0.0421391	Down-regulated
NM_203372	ACSL3	2181	30.6297	29.5314	18.8553	19.697	-0.6313	1.04E-21	3.37E-20	Down-regulated
NM_014824	FCHSD2	9873	3.24288	3.27421	1.8346	2.18352	-0.6315	0.0020436	0.0094798	Down-regulated
NM_024096	DCTPP1	79077	90.0367	95.4033	60.4726	57.9439	-0.6316	2.35E-14	4.76E-13	Down-regulated
NM_003035	STIL	6491	2.927	2.77408	1.80347	1.73033	-0.6324	0.0012876	0.0063837	Down-regulated
NM_024622	FASTKD1	79675	4.45931	4.14527	2.62689	2.74425	-0.6327	0.000308	0.0017817	Down-regulated
NM_001031709	RNLS	55328	4.99484	4.27683	2.59327	2.98546	-0.6328	0.0092589	0.0346747	Down-regulated
NM_0052928	SMYD4	114826	8.72386	8.80197	5.68759	5.4424	-0.633	5.53E-08	6.02E-07	Down-regulated
NM_001258295	NFATC2	4773	18.3322	17.4338	11.7672	11.1044	-0.6334	2.96E-19	8.36E-18	Down-regulated
NM_001029858	SLC35F1	222553	6.14241	6.25746	3.92018	3.9289	-0.6335	1.18E-06	1.09E-05	Down-regulated
NR_037656	BLOC1S1	2647	50.5549	44.8972	31.9587	27.8842	-0.6338	5.29E-05	0.0003613	Down-regulated
NM_005381	NCL	4691	331.064	328.103	208.576	214.137	-0.634	3.80E-89	7.27E-87	Down-regulated
NM_001101669	INPP4B	8821	14.3995	15.3987	9.40575	9.63753	-0.6348	1.75E-20	5.32E-19	Down-regulated
NM_020850	RANBP10	57610	21.1483	21.611	14.456	12.7815	-0.6357	6.23E-14	1.21E-12	Down-regulated
NM_006764	IFRD2	7866	52.7963	52.8478	34.6283	32.803	-0.6359	7.36E-19	2.00E-17	Down-regulated
NM_015703	RRP7A	27341	15.4173	14.4665	9.94263	9.06201	-0.6363	2.77E-12	4.63E-11	Down-regulated
NM_152388	TMEM237	65062	1.68549	1.56141	1.0509	0.880085	-0.6364	0.0126676	0.0452412	Down-regulated
NM_005480	TROAP	10024	8.13644	7.93145	5.08752	4.96569	-0.6367	9.90E-05	0.0006381	Down-regulated
NM_001143841	TMEM106C	79022	13.548	13.6973	7.93744	8.94052	-0.6372	0.0005368	0.0029295	Down-regulated
NM_199440	member 1(f	3329	7.40518	10.2918	5.52798	5.24771	-0.6376	0.003883	0.0165021	Down-regulated
NR_046360	FAM49B	51571	4.35094	4.29385	2.13076	3.11154	-0.6382	0.0055	0.022255	Down-regulated
NM_020702	KIAA1161	57462	1.93056	2.26668	1.37351	1.18381	-0.6382	0.0036442	0.0156333	Down-regulated
NM_001243143	NUSAP1	51203	6.77666	7.97009	3.74124	5.17631	-0.6382	0.0057295	0.0230323	Down-regulated
NM_207396	RNF207	388591	3.2434	3.03443	1.93694	1.90744	-0.6386	0.0026793	0.0119696	Down-regulated
NM_145729	MRPL24	79590	42.8584	40.8274	29.0158	23.1423	-0.6388	0.000124	0.0007832	Down-regulated
NM_015972	POLR1D	51082	58.9965	52.8414	35.1732	35.0191	-0.6393	3.85E-06	3.26E-05	Down-regulated
NM_014285	EXOSC2	23404	13.1655	11.2668	7.60265	7.59384	-0.6394	0.0001455	0.0009071	Down-regulated
NM_153485	NUP155	9631	8.6617	9.63737	5.15173	6.31276	-0.6402	1.53E-05	0.0001158	Down-regulated
NM_032737	LMNB2	84823	45.7662	45.3127	28.963	29.0798	-0.6417	7.35E-40	4.81E-38	Down-regulated
NM_130466	UBE3B	89910	5.38439	5.71392	3.76211	3.18427	-0.6423	1.27E-05	9.80E-05	Down-regulated
NM_005984	SLC25A1	6576	33.2247	30.9697	20.1198	20.4275	-0.6425	1.94E-09	2.47E-08	Down-regulated
NM_014569	ZKSCAN5	23660	3.84253	3.92894	1.79576	2.82561	-0.6426	0.0097552	0.0362208	Down-regulated
NM_001146054	SNCA	6622	15.7429	15.5433	11.0041	8.57357	-0.6431	1.10E-05	8.60E-05	Down-regulated
NM_003812	ADAM23	8745	4.79288	4.7432	2.83913	3.14424	-0.6439	2.67E-06	2.31E-05	Down-regulated
NM_020803	KLHL8	57563	3.78907	3.23041	2.49402	1.74906	-0.6445	0.0042732	0.0178819	Down-regulated
NM_001190	BCAT2	587	25.102	27.0758	16.5128	16.2338	-0.6447	1.80E-07	1.85E-06	Down-regulated
NM_005956	MTHFD1	4522	48.8939	50.8984	31.1141	32.2658	-0.6448	2.87E-27	1.25E-25	Down-regulated
NM_004095	EIF4EBP1	1978	466.309	447.64	293.11	287.126	-0.6451	1.13E-40	7.71E-39	Down-regulated
NM_016343	CENPF	1063	14.8949	15.0804	9.57646	9.4689	-0.6452	4.74E-31	2.37E-29	Down-regulated
NM_006527	SLBP	7884	26.1633	25.0235	14.6184	17.5139	-0.646	2.47E-07	2.49E-06	Down-regulated
NM_152450	FAM81A	145773	5.56838	5.29525	3.32884	3.39588	-0.646	0.0001748	0.0010665	Down-regulated
NM_018392	ZGRF1	55345	1.17237	1.18543	0.713311	0.67457	-0.6465	0.0128623	0.045791	Down-regulated
NM_001143843	TMEM106C	79022	22.9295	18.7446	13.2248	12.568	-0.647	0.0001073	0.0006867	Down-regulated
NM_018394	ABHD10	55347	23.6096	21.4695	12.9526	15.3419	-0.6472	1.78E-07	1.83E-06	Down-regulated

NM_018482	ASAP1	50807	14.7379	15.1151	10.3512	8.40214	-0.6478	1.65E-08	1.91E-07	Down-regulated
NM_024570	RNASEH2B	79621	8.19907	7.29717	4.33658	4.938	-0.6484	0.0056979	0.0229247	Down-regulated
NR_103464	member 14(F	51182	4.39394	4.21432	2.52732	2.80069	-0.6484	0.0001015	0.0006531	Down-regulated
NM_001206999	CIT	11113	12.7342	13.7959	8.45808	8.31447	-0.649	4.68E-18	1.22E-16	Down-regulated
NM_004463	FGD1	2245	5.69119	6.06696	3.75165	3.56359	-0.6495	1.39E-05	0.0001062	Down-regulated
NM_020382	KMT5A	387893	25.4694	26.4031	16.5274	16.2036	-0.65	3.40E-14	6.82E-13	Down-regulated
NM_001143779	IFT81	28981	5.46574	5.51519	3.28092	3.41623	-0.6509	0.0009164	0.0047411	Down-regulated
NM_002156	) member 1(F	3329	269.222	256.563	167.071	165.91	-0.6512	2.44E-58	2.61E-56	Down-regulated
NM_001193360	EXD2	55218	4.83617	5.94132	3.73711	2.83255	-0.6512	0.0011432	0.0057406	Down-regulated
NM_018151	RIF1	55183	3.69133	2.45539	1.81301	1.91117	-0.6516	0.0021239	0.0097929	Down-regulated
NM_001986	ETV4	2118	75.8591	66.3421	42.9497	46.5501	-0.652	5.46E-13	9.80E-12	Down-regulated
NM_001317955	ID1	3422	5.35585	7.10158	4.23971	3.18538	-0.652	0.0060862	0.0242356	Down-regulated
NM_003394	WNT10B	7480	4.98941	4.6075	2.65412	3.04711	-0.6531	0.005658	0.0228026	Down-regulated
NM_024709	C1orf115	79762	17.1748	17.6009	10.8891	10.9168	-0.6543	6.79E-11	1.02E-09	Down-regulated
NM_024308	DHRS11	79154	15.3444	13.6181	9.17974	8.59627	-0.656	0.0001578	0.0009743	Down-regulated
NM_001184970	PACSIN2	11252	41.7094	41.1604	27.5411	24.5482	-0.6562	8.25E-17	1.97E-15	Down-regulated
NM_000259	MYO5A	4644	16.8643	20.2727	10.8174	12.4212	-0.6563	1.08E-09	1.43E-08	Down-regulated
NM_032319	PRADC1	84279	14.4496	12.6761	7.91152	8.32637	-0.6573	0.0028783	0.0127156	Down-regulated
NM_001324366	ADAL	161823	2.90463	2.13286	1.42315	1.52674	-0.658	0.009943	0.0368204	Down-regulated
NM_001130678	EIF4E	1977	3.13009	2.69092	1.80899	1.792	-0.6581	7.91E-06	6.35E-05	Down-regulated
NM_001048223	DBNDD2	55861	41.001	36.9589	23.8237	24.5993	-0.6583	6.61E-07	6.30E-06	Down-regulated
NM_021149	COTL1	23406	212.174	204.096	133.176	128.972	-0.6584	6.76E-47	5.56E-45	Down-regulated
NM_007320	RANBP3	8498	15.5312	10.311	7.71585	7.90806	-0.659	0.00112	0.0056361	Down-regulated
NM_002387	MCC	4163	4.64538	4.71914	3.04497	2.78891	-0.6593	2.89E-08	3.24E-07	Down-regulated
NM_018136	ASPM	259266	3.64978	3.89264	2.26694	2.43334	-0.6593	1.64E-08	1.90E-07	Down-regulated
NM_001008539	SLC7A2	6542	4.18703	4.15203	2.65397	2.52666	-0.6595	2.22E-07	2.25E-06	Down-regulated
NM_022742	CCDC136	64753	5.62741	6.02191	3.51174	3.67603	-0.6599	1.30E-05	1.00E-04	Down-regulated
NM_014783	ARHGAP11A	9824	6.73639	6.32444	4.01595	4.10875	-0.6599	2.00E-08	2.29E-07	Down-regulated
NM_017858	TIPIN	54962	10.7754	10.3717	6.78669	5.7525	-0.6599	0.004575	0.0189703	Down-regulated
NM_001171613	PREPL	9581	4.00779	5.30533	3.25933	2.30988	-0.66	0.0031846	0.0138447	Down-regulated
NM_024296	CCDC28B	79140	16.0174	14.443	9.52859	8.73697	-0.6602	0.0020381	0.0094589	Down-regulated
NM_182616	ARPIN	348110	4.14818	3.9497	2.31486	2.67518	-0.6608	2.99E-05	0.0002137	Down-regulated
NM_000692	ALDH1B1	219	15.6422	14.8737	9.34736	9.66574	-0.6613	1.08E-09	1.42E-08	Down-regulated
NM_178014	TUBB	203068	609.207	578.316	372.158	374.831	-0.6613	9.45E-71	1.34E-68	Down-regulated
NM_001203245	RPS10	6204	56.8496	46.8748	35.8018	26.8832	-0.662	0.000791	0.0041588	Down-regulated
NM_001100619	CABLES1	91768	47.1155	46.9004	30.4951	28.5408	-0.662	2.38E-33	1.29E-31	Down-regulated
NM_001012509	SLC45A2	51151	22.9788	23.4047	13.9135	15.0355	-0.6626	4.22E-12	6.96E-11	Down-regulated
NM_002383	MAZ	4150	94.4248	100.216	63.6372	58.3405	-0.6627	6.05E-23	2.09E-21	Down-regulated
NM_004827	lood group)(C	9429	2.50663	2.31381	1.47192	1.39203	-0.6629	0.0041669	0.0174883	Down-regulated
NM_001018067	SERBP1	26135	12.3528	12.723	7.28756	8.36709	-0.6629	6.32E-12	1.03E-10	Down-regulated
NM_001284389	NOLC1	9221	28.3885	30.0099	19.8564	16.4954	-0.6632	4.09E-10	5.67E-09	Down-regulated
NM_004036	ADCY3	109	17.5473	17.4088	11.8662	9.87164	-0.6633	1.74E-09	2.23E-08	Down-regulated
NM_001048195	RCC1	1104	7.75151	7.55101	4.58297	4.79201	-0.6642	9.84E-05	0.000635	Down-regulated
NM_001162384	ARHGEF2	9181	5.51847	3.86071	3.07858	2.47135	-0.6644	0.0051745	0.0211349	Down-regulated
NM_031266	HNRNPAB	3182	220.364	215.796	133.481	140.063	-0.6645	6.52E-48	5.58E-46	Down-regulated
NM_031206	LAS1L	81887	7.96733	6.59708	4.24485	4.56752	-0.6646	0.0008626	0.0044959	Down-regulated
NM_004295	TRAF4	9618	77.2662	73.1827	47.8921	46.3595	-0.6647	2.11E-31	1.07E-29	Down-regulated
NM_006996	SLC19A2	10560	11.4901	12.6652	6.90042	8.03136	-0.665	7.26E-07	6.87E-06	Down-regulated
NM_018086	FIGN	55137	1.54962	1.98453	0.999369	1.0908	-0.6653	0.0046214	0.0191459	Down-regulated
NM_001025266	C3orf70	285382	2.70587	2.33598	1.42464	1.59744	-0.6655	0.0012977	0.0064267	Down-regulated
NM_001105562	UBE4B	10277	2.50314	2.6067	1.70296	1.35154	-0.6656	0.001762	0.0083456	Down-regulated
NM_001330762	CNTRL	11064	4.07344	4.55752	2.22495	2.99049	-0.6656	0.0005929	0.0032054	Down-regulated
NM_006904	PRKDC	5591	23.8081	26.6861	16.0554	15.5039	-0.6668	2.25E-22	7.46E-21	Down-regulated
NM_001202439	NCR3LG1	374383	5.60527	7.16375	4.12538	3.6914	-0.667	4.30E-05	0.0002974	Down-regulated
NM_052966	FAM129A	116496	5.61604	5.50839	3.61652	3.27297	-0.667	3.26E-08	3.63E-07	Down-regulated
NM_030569	ITIH5	80760	60.7423	62.084	38.9634	37.9959	-0.6671	3.24E-62	3.69E-60	Down-regulated
NM_032346	PDCD2L	84306	14.0815	14.3582	9.80038	6.80587	-0.6671	0.0071207	0.0277663	Down-regulated
NM_002861	PCYT2	5833	12.8615	11.3476	6.81478	8.03846	-0.6683	5.70E-06	4.71E-05	Down-regulated
NM_033222	PSIP1	11168	14.2534	15.7964	8.95277	9.6376	-0.6699	7.79E-09	9.35E-08	Down-regulated
NM_001289127	TUBB4A	10382	96.6252	96.0206	62.4769	57.7527	-0.67	9.33E-30	4.45E-28	Down-regulated
NM_005380	NBL1	4681	146.106	129.823	90.5965	81.0287	-0.6702	9.10E-16	2.04E-14	Down-regulated
NM_022092	CHTF18	63922	21.0145	20.6887	13.5308	12.3468	-0.6706	4.74E-12	7.78E-11	Down-regulated
NM_001184998	KIAA0430	9665	2.546	1.77942	1.3413	1.19643	-0.6708	0.0046314	0.0191832	Down-regulated
NM_001135245	TCOF1	6949	11.4168	11.5153	6.6914	7.49394	-0.6719	1.80E-10	2.60E-09	Down-regulated
NM_024312	GNPTAB	79158	49.8052	50.6798	30.9291	31.7924	-0.672	6.52E-50	5.85E-48	Down-regulated
NM_020754	ARHGAP31	57514	11.9745	12.2837	7.40608	7.68667	-0.6723	8.13E-21	2.52E-19	Down-regulated
NM_003132	SRM	6723	213.045	198.918	126.709	129.738	-0.6729	1.05E-29	5.02E-28	Down-regulated
NM_016111	TELO2	9894	20.278	20.7515	13.0392	12.3981	-0.673	3.87E-14	7.74E-13	Down-regulated
NM_181705	LYRM7	90624	2.90156	2.65219	1.54358	1.79895	-0.6737	0.0003956	0.0022311	Down-regulated
NM_022459	XPO4	64328	4.55411	4.29509	2.72743	2.73771	-0.6744	5.34E-10	7.27E-09	Down-regulated
NM_033211	C5orf30	90355	11.5349	12.4447	7.56933	7.17011	-0.6746	1.36E-07	1.42E-06	Down-regulated
NM_001301033	SLC24A1	9187	2.78702	3.76284	1.99387	1.80707	-0.6749	0.0064573	0.0255022	Down-regulated
NM_014252	SLC25A15	10166	6.23913	6.58631	4.08399	3.74976	-0.6752	7.15E-06	5.80E-05	Down-regulated
NM_000687	AHCY	191	174.944	164.661	107.824	103.473	-0.6752	7.47E-39	4.76E-37	Down-regulated
NR_109973	DLEU1	10301	5.62946	4.13723	3.23929	2.33885	-0.6754	0.0104466	0.0384076	Down-regulated
NM_001258294	NFATC2	4773	20.9767	24.0639	14.1836	13.7126	-0.6759	5.59E-15	1.18E-13	Down-regulated
NM_001139488	RASGRP3	25780	1.81394	1.71002	0.947494	1.07358	-0.676	0.0093247	0.0349004	Down-regulated
NM_018124	RFWD3	55159	16.9382	17.6457	10.3489	11.0732	-0.6762	2.92E-16	6.69E-15	Down-regulated
NM_001330105	CDC16	8881	6.01576	7.59887	4.71394	3.03592	-0.6774	0.0118979	0.0428526	Down-regulated
NM_001099645	RPL22L1	200916	30.073	22.7523	15.0828	16.9267	-0.6777	4.55E-05	0.000314	Down-regulated
NM_002853	RAD1	5810	5.33036	4.92532	2.83708	3.37018	-0.6779	6.17E-05	0.0004145	Down-regulated
NM_178562	TSPAN33	340348	6.98199	6.59559	4.52321	3.55308	-0.6788	0.0007461	0.0039512	Down-regulated
NM_024546	RNF219	79596	4.0128	3.90214	2.42814	2.27713	-0.6812	0.0007916	0.0041596	Down-regulated
NM_006347	PPIH	10465	62.3784	63.6082	37.6267	39.4194	-0.6816	4.05E-08	4.48E-07	Down-regulated



NM_004341	CAD	790	26.4364	23.9561	15.059	16.0636	-0.6823	6.30E-20	1.86E-18	Down-regulated
NM_001287442	JADE1	79960	3.42968	2.46872	1.59785	1.84742	-0.6824	0.003536	0.0152133	Down-regulated
NM_0015954	DERA	51071	34.2849	34.1723	21.2151	20.9312	-0.6825	5.46E-13	9.80E-12	Down-regulated
NR_134580	BEST1	7439	4.19125	4.96058	2.76083	2.58878	-0.6835	0.0023431	0.0106537	Down-regulated
NM_194292	SASS6	163786	2.63988	2.26495	1.41113	1.42591	-0.6835	0.0055984	0.0226055	Down-regulated
NM_000281	PCBD1	5092	24.0614	24.9107	14.7283	14.6884	-0.6839	5.92E-05	0.0003985	Down-regulated
NM_001128217	PSIP1	11168	8.19799	9.07628	5.30507	5.182	-0.6845	2.19E-06	1.93E-05	Down-regulated
NM_001012507	CENPW	387103	14.1559	12.5087	7.31281	8.26607	-0.6848	0.0025692	0.0115453	Down-regulated
NM_002105	H2AFX	3014	83.4068	85.6011	53.1291	51.1328	-0.6849	2.43E-24	9.06E-23	Down-regulated
NM_001271097	splicing facto	22827	5.65905	8.44472	4.10723	3.83966	-0.6852	0.0121047	0.0435563	Down-regulated
NM_001258429	C20orf27	54976	46.4449	46.407	27.9566	29.0171	-0.6854	8.21E-12	1.32E-10	Down-regulated
NM_018706	DHTKD1	55526	7.01515	7.19463	4.52858	4.13804	-0.6857	3.07E-08	3.44E-07	Down-regulated
NM_006946	SPTBN2	6712	9.66375	9.79648	6.30009	5.65983	-0.6859	6.19E-14	1.21E-12	Down-regulated
NM_001163735	MYO19	80179	16.4657	17.2722	10.0147	10.7184	-0.6865	1.36E-14	2.80E-13	Down-regulated
NM_032358	CCDC77	84318	6.40949	4.85613	3.77517	2.51762	-0.6869	0.013068	0.0463849	Down-regulated
NM_001145658	RAP1GAP	5909	2.84814	3.68456	2.02404	1.67005	-0.688	0.0090334	0.0339492	Down-regulated
NM_006375	ENOX2	10495	5.27734	3.66438	2.53053	2.68564	-0.6883	0.0028287	0.0125372	Down-regulated
NM_004263	SEMA4F	10505	5.63005	4.64252	2.93635	3.24681	-0.6886	1.92E-05	0.0001424	Down-regulated
NM_145697	NUF2	83540	10.006	11.0723	5.54368	6.94024	-0.6901	0.000476	0.0026368	Down-regulated
NM_001286176	C2CD5	9847	5.0667	9.02404	3.08446	4.7723	-0.6911	0.0126944	0.0453113	Down-regulated
NM_001318860	DGUOK	1716	44.8536	40.413	24.3721	27.1704	-0.6913	9.54E-07	8.87E-06	Down-regulated
NM_001485	GBX2	2637	5.89905	6.08771	3.19859	3.69364	-0.6916	0.0054477	0.0220949	Down-regulated
NM_015341	NCAPH	23397	8.43474	6.18041	4.50401	4.24082	-0.6919	6.33E-05	0.0004243	Down-regulated
NM_007086	WDHD1	11169	4.3955	4.80753	2.74984	2.80383	-0.6923	1.40E-06	1.28E-05	Down-regulated
NM_001905	CTPS1	1503	25.8921	24.7202	15.1498	15.8485	-0.6924	8.20E-17	1.96E-15	Down-regulated
NM_194255	SLC19A1	6573	15.1523	14.8129	8.89741	9.35096	-0.6926	9.44E-10	1.25E-08	Down-regulated
NM_001152	SLC25A5	292	335.7	308.351	193.246	202.05	-0.6929	2.78E-31	1.40E-29	Down-regulated
NM_032750	ABHD14B	84836	11.2131	8.20778	5.21944	6.15244	-0.693	0.0012916	0.0064019	Down-regulated
NM_001024946	ASL	435	6.25928	6.72227	3.58053	3.94865	-0.693	0.0019695	0.0091734	Down-regulated
NM_001130914	BTG3	10950	7.41147	6.07709	3.54076	4.11693	-0.6931	0.0082519	0.0314897	Down-regulated
NM_001242560	MAP4K4	9448	1.29963	1.26369	0.780343	0.696958	-0.6933	0.004099	0.0172776	Down-regulated
NR_073599	ZNF142	7701	2.5938	2.26868	1.71054	1.01297	-0.6935	0.0106815	0.0391879	Down-regulated
NM_015895	GMNN	51053	21.6857	20.2424	13.9106	10.9733	-0.6941	0.0002145	0.0012834	Down-regulated
NR_125343	SLC29A2	3177	2.87467	3.30426	1.74258	1.71157	-0.6941	0.0130296	0.0462917	Down-regulated
NM_030786	SYNC	81493	5.96745	6.1656	3.41384	3.85624	-0.6943	4.33E-05	0.0002997	Down-regulated
NM_024729	MYH14	79784	1.27042	1.74676	0.906322	0.790303	-0.6945	0.0096059	0.0357368	Down-regulated
NM_016824	ADD3	120	3.10096	5.77488	2.29193	2.61838	-0.6954	0.0137204	0.0483592	Down-regulated
NM_152227	SNX5	27131	14.0589	14.2669	6.97232	9.7656	-0.6962	0.0002581	0.0015165	Down-regulated
NM_001034833	NHP2	55651	21.0596	19.517	12.209	11.0963	-0.6963	0.0040367	0.0170679	Down-regulated
NM_001018068	SERBP1	26135	8.38489	8.01445	5.15433	4.82101	-0.697	3.37E-12	5.59E-11	Down-regulated
NM_001190787	MCIDAS	345643	6.47725	5.66321	3.5484	3.4913	-0.6972	0.0020776	0.0096211	Down-regulated
NM_005163	AKT1	207	6.74108	6.38196	4.75777	2.46972	-0.6977	0.0134805	0.04765	Down-regulated
NM_001013839	EXOC7	23265	5.77951	7.56037	4.08348	3.85058	-0.6978	8.24E-05	0.0005392	Down-regulated
NM_002345	LUM	4060	7.05853	8.4526	4.28048	4.75831	-0.6982	0.0010382	0.005275	Down-regulated
NM_184231	NCKIPSD	51517	7.49774	5.39798	3.44516	4.00811	-0.6983	0.0022629	0.0103338	Down-regulated
NM_001605	AARS	16	52.0501	50.7456	32.832	29.984	-0.6985	1.60E-24	6.07E-23	Down-regulated
NM_001284388	NOLC1	9221	5.5343	4.16036	2.11543	3.34315	-0.6985	0.0076186	0.029464	Down-regulated
NM_001206866	IL6R	3570	5.65312	5.34181	3.61528	2.50657	-0.7015	0.00933	0.0349135	Down-regulated
NM_080660	ZC3HAV1L	92092	9.09326	9.36121	5.69477	5.11338	-0.7017	0.0004947	0.0027258	Down-regulated
NM_080626	BRI3BP	140707	9.32789	9.7489	5.43842	5.42676	-0.7018	0.0031285	0.0136227	Down-regulated
NM_001320470	BCAS3	54828	13.6026	12.1931	7.63229	7.94894	-0.7023	1.76E-09	2.26E-08	Down-regulated
NM_001048212	CEMP1	752014	7.01608	6.26969	3.81484	3.51971	-0.7024	0.0099384	0.0368153	Down-regulated
NM_012322	LSM5	23658	12.6239	12.3835	7.43901	7.56924	-0.7026	8.33E-07	7.82E-06	Down-regulated
NM_014825	erevisiae)(UF	9875	7.21344	7.29355	4.28723	4.54146	-0.7029	4.50E-18	1.17E-16	Down-regulated
NM_003276	TMPO	7112	16.4122	16.8842	9.39434	10.7384	-0.7033	7.31E-11	1.09E-09	Down-regulated
NM_002562	P2RX7	5027	37.5285	38.0042	22.4088	23.594	-0.7038	3.14E-28	1.42E-26	Down-regulated
NM_005517	HMGN2	3151	134.41	131.498	80.0225	82.0039	-0.7055	9.30E-48	7.94E-46	Down-regulated
NM_001278055	SACS	26278	2.04994	2.00632	1.4274	0.930856	-0.7061	0.0008342	0.0043599	Down-regulated
NM_152573	RASEF	158158	6.43679	6.73428	4.22112	3.67873	-0.7064	1.19E-07	1.24E-06	Down-regulated
NM_020455	ADGRG6	57211	4.45422	6.56904	2.4059	3.83699	-0.7065	0.0043375	0.0181073	Down-regulated
NM_020187	ES cell-spe	56941	13.4077	11.6019	7.62354	7.08092	-0.7069	0.0002009	0.0012103	Down-regulated
NM_017746	TEX10	54881	13.8135	15.3643	8.89476	8.65926	-0.7073	3.24E-09	4.05E-08	Down-regulated
NM_006342	TACC3	10460	26.1608	23.9317	15.4382	14.8462	-0.7084	1.77E-13	3.32E-12	Down-regulated
NM_016577	RAB6B	51560	14.7687	15.224	9.49361	8.66278	-0.7088	3.44E-16	7.86E-15	Down-regulated
NM_145290	ADGRA3	166647	13.3835	14.0915	8.22815	8.36868	-0.7096	1.99E-14	4.05E-13	Down-regulated
NM_012140	SLC25A10	1468	8.65355	8.1618	4.85644	4.97138	-0.7102	0.0002251	0.0013393	Down-regulated
NM_015261	NCAPD3	23310	9.98076	10.4433	6.13485	6.18325	-0.7107	9.41E-14	1.81E-12	Down-regulated
NM_001194955	MATR3	9782	3.99013	2.38618	1.93005	1.57497	-0.7108	0.0096061	0.0357368	Down-regulated
NM_017669	ERCC6L	54821	2.86432	3.23188	1.6735	1.83276	-0.712	0.0011776	0.0058933	Down-regulated
NM_020238	INCENP	3619	7.31688	7.9718	4.07129	4.9907	-0.7121	9.37E-06	7.42E-05	Down-regulated
NM_001313959	AFF1	4299	2.42065	3.53917	1.93237	1.47694	-0.7123	0.001834	0.0086204	Down-regulated
NM_006834	RAB32	10981	62.9187	67.302	38.7369	39.7279	-0.7124	4.82E-14	9.53E-13	Down-regulated
NR_037688	ACTG1	71	151.31	149.884	91.1906	91.3912	-0.7131	7.08E-55	7.08E-53	Down-regulated
NM_017770	ELOVL2	54898	8.8971	8.37237	5.27425	5.05569	-0.7133	1.67E-08	1.92E-07	Down-regulated
NM_001033723	ZNF704	619279	6.86479	7.36568	4.11317	4.47156	-0.7144	1.56E-17	3.90E-16	Down-regulated
NM_001345882	DCAF16	54876	2.60936	3.00315	1.84807	1.27576	-0.7144	0.0056864	0.022893	Down-regulated
NM_001202438	EDRF1	26098	2.27289	2.82101	1.50592	1.3782	-0.7153	0.002845	0.0125947	Down-regulated
NM_001278655	LINC01272	1E+08	12.1279	10.7621	7.21696	6.17669	-0.7157	8.41E-05	0.0005496	Down-regulated
NM_032434	ZNF512	84450	3.69724	3.30423	2.16635	1.82459	-0.7169	0.0017496	0.0082994	Down-regulated
NM_0000884	IMPDH2	3615	169.838	164.194	96.825	104.839	-0.7171	5.18E-33	2.76E-31	Down-regulated
NM_182515	ZNF714	148206	0.956857	1.00268	0.573684	0.518529	-0.7176	0.0049229	0.0202199	Down-regulated
NM_001203247	EZH2	2146	12.9495	11.4732	7.0789	7.40125	-0.7183	4.32E-07	4.21E-06	Down-regulated
NM_031271	TEX15	56154	0.733333	0.687511	0.433332	0.325633	-0.7187	0.0133814	0.0473478	Down-regulated
NM_018410	HJURP	55355	13.7397	13.7165	7.55532	8.79598	-0.719	1.44E-08	1.67E-07	Down-regulated

NM_0015697	COQ2	27235	11.1317	11.4955	5.91111	7.16204	-0.719	0.0003425	0.0019606	Down-regulated
NM_001195738	FAM213B	127281	8.75703	12.6055	6.73893	5.47341	-0.7191	0.0011185	0.0056313	Down-regulated
NM_0015141	GPD1L	23171	13.7583	11.8976	7.65241	7.65425	-0.7192	2.11E-09	2.69E-08	Down-regulated
NM_001330681	TTC3	7267	34.2638	34.0554	17.908	22.9358	-0.7194	9.15E-11	1.35E-09	Down-regulated
NM_0004091	GAB2	9846	25.5145	27.8538	16.0131	16.0624	-0.7223	4.18E-25	1.63E-23	Down-regulated
NM_001271420	TTC19	54902	4.19885	4.04778	2.09873	2.61851	-0.7226	0.0007783	0.0041058	Down-regulated
NM_018204	CKAP2	26586	7.79824	6.38871	3.54275	4.63409	-0.7244	0.0002792	0.00163	Down-regulated
NM_001300913	C11orf24	53838	10.5121	9.07371	5.37035	5.38885	-0.7244	0.006005	0.0239687	Down-regulated
NM_001761	CCNF	899	6.55462	7.17149	4.05688	4.04371	-0.7255	2.91E-07	2.91E-06	Down-regulated
NM_001826	CKS1B	1163	213.637	193.819	119.867	123.644	-0.7261	7.22E-19	1.96E-17	Down-regulated
NM_001243750	NUDT8	254552	20.4584	18.0755	9.08798	11.8316	-0.7265	0.0066916	0.0262918	Down-regulated
NM_080597	OSBPL1A	114876	10.6939	10.2493	5.99821	6.44613	-0.7267	1.73E-10	2.51E-09	Down-regulated
NM_014290	TDRD7	23424	18.8808	18.4444	10.6814	11.6009	-0.7273	2.63E-15	5.73E-14	Down-regulated
NM_001076684	UBTF	7343	6.18131	10.3129	4.47762	4.82822	-0.7274	0.0016303	0.0077993	Down-regulated
NM_181471	RFC2	5982	15.0553	15.9132	9.91413	8.12233	-0.7276	2.62E-05	0.0001902	Down-regulated
NM_016183	MRT04	51154	33.1978	34.1384	20.347	19.8788	-0.7277	1.09E-17	2.77E-16	Down-regulated
NM_007294	BRCA1	672	2.35189	2.57122	1.5723	1.25803	-0.7282	0.0002828	0.0016478	Down-regulated
NM_001278201	SLC43A3	29015	6.74077	6.05111	3.81043	3.56988	-0.7284	0.0001576	0.0009738	Down-regulated
NM_030762	BHLHE41	79365	22.6389	25.3618	14.5309	14.082	-0.7287	5.15E-15	1.10E-13	Down-regulated
NM_006306	SMC1A	8243	12.7869	13.5185	7.69263	8.04514	-0.729	8.64E-26	3.52E-24	Down-regulated
NM_031432	UCK1	83549	20.2808	19.2758	12.2572	11.1563	-0.729	2.71E-09	3.43E-08	Down-regulated
NM_004701	CCNB2	9133	33.8314	32.9455	18.4342	21.0577	-0.7293	1.84E-09	2.35E-08	Down-regulated
NM_0012112	TPX2	22974	44.9751	45.0635	26.8045	27.0974	-0.73	2.25E-39	1.46E-37	Down-regulated
NM_016123	IRAK4	51135	2.09667	2.69124	1.18817	1.42551	-0.73	0.0057958	0.0232258	Down-regulated
NM_001317123	AGO1	26523	11.7279	13.0503	7.00639	7.73789	-0.7305	1.18E-13	2.24E-12	Down-regulated
NM_001278166	NBL1	4681	92.7267	109.149	62.4852	57.5062	-0.7311	5.68E-14	1.12E-12	Down-regulated
NM_001023570	IQCB1	9657	5.86352	5.53502	3.19859	3.32552	-0.7314	0.0002997	0.0017367	Down-regulated
NM_152838	RBM12	10137	2.4026	2.39309	1.58359	1.11879	-0.7317	0.0014886	0.0072209	Down-regulated
NM_006165	NFRKB	4798	1.35742	1.97967	0.861682	0.897614	-0.7318	0.0125469	0.0448855	Down-regulated
NR_047571	ANKFY1	51479	1.15404	1.58503	0.723063	0.770344	-0.7319	0.0061732	0.0245323	Down-regulated
NM_213649	SFXN4	119559	11.7028	9.91683	5.42107	6.66089	-0.7322	0.0019699	0.0091734	Down-regulated
NM_024056	TMEM106C	79022	17.5233	20.8163	11.0859	11.2272	-0.7325	1.19E-05	9.23E-05	Down-regulated
NM_020830	WDFY1	57590	35.982	36.0368	21.1267	21.9139	-0.7327	2.49E-38	1.55E-36	Down-regulated
NM_001018055	BRCC3	79184	9.95575	8.05481	4.21734	5.99043	-0.7332	0.0008969	0.0046532	Down-regulated
NM_001143842	TMEM106C	79022	28.0822	27.1521	17.2988	15.1958	-0.7337	1.43E-08	1.66E-07	Down-regulated
NM_003662	PIR	8544	19.8607	16.0701	10.8568	9.87826	-0.7343	5.58E-05	0.0003787	Down-regulated
NM_153045	TMEM268	203197	5.55877	3.61466	2.69321	2.38679	-0.7363	0.002614	0.0117189	Down-regulated
NM_014829	DDX46	9879	3.06467	4.13407	1.72717	2.29692	-0.7383	0.0015521	0.0074815	Down-regulated
NM_015721	GEMIN4	50628	22.1992	21.5054	13.2455	12.6772	-0.7385	1.77E-19	5.08E-18	Down-regulated
NM_001247996	ASAP1	50807	4.84388	4.97115	2.06388	3.42457	-0.7402	0.0013279	0.0065562	Down-regulated
NM_001330199	SCUBE2	57758	1.7862	1.44618	0.886351	0.824579	-0.7405	0.0093865	0.035082	Down-regulated
NM_001136498	CISD3	284106	33.4097	30.6569	18.4507	19.4197	-0.7408	3.60E-16	8.21E-15	Down-regulated
NM_002945	RPA1	6117	48.3986	48.9958	28.9139	28.9346	-0.7426	2.19E-50	1.99E-48	Down-regulated
NM_018490	LGR4	55366	6.33382	7.57985	4.09338	4.00329	-0.7427	4.31E-07	4.20E-06	Down-regulated
NM_006066	AKR1A1	10327	15.6083	10.8322	7.70071	7.00177	-0.7438	0.0015548	0.0074907	Down-regulated
NM_198510	ITIH6	347365	8.20925	8.36284	5.10144	4.61579	-0.7439	5.33E-10	7.27E-09	Down-regulated
NM_023004	RTN4R	65078	7.7267	7.12844	3.77457	4.52931	-0.7458	0.0009039	0.0046858	Down-regulated
NR_132748	MIR3142HG	1.1E+08	19.5423	18.6974	10.2597	12.0297	-0.7462	1.64E-08	1.89E-07	Down-regulated
NM_006591	POLD3	10714	3.62515	3.84892	1.80597	2.35148	-0.7491	0.0010343	0.0052573	Down-regulated
NM_005687	FARSB	10056	24.9285	22.1559	13.7218	13.8319	-0.7499	1.46E-11	2.31E-10	Down-regulated
NM_017998	C9orf40	55071	7.07118	6.92646	3.84124	4.09047	-0.7502	0.0001122	0.0007154	Down-regulated
NM_001122823	GTF3C5	9328	4.31308	5.6084	2.47554	2.8963	-0.7507	0.0034461	0.0148666	Down-regulated
NM_005594	NACA	4666	67.7685	70.3903	42.803	37.9989	-0.7511	1.82E-12	3.11E-11	Down-regulated
NM_030949	PPP1R14C	81706	3.15213	4.21118	1.55579	2.17999	-0.7532	0.0141848	0.0497759	Down-regulated
NR_027793	LINC00518	221718	20.7331	20.07	11.2324	12.6146	-0.7533	8.19E-13	1.44E-11	Down-regulated
NM_001297576	PEA15	8682	2.45823	2.72602	1.11725	1.52041	-0.7537	0.012448	0.0445734	Down-regulated
NM_014675	CROCC	9696	12.9908	14.6234	8.46487	7.66634	-0.7546	1.10E-13	2.11E-12	Down-regulated
NM_001257401	CD63	967	85.9778	75.4566	48.9121	44.8745	-0.7562	1.75E-10	2.53E-09	Down-regulated
NM_016426	GTSE1	51512	21.9349	20.2812	12.1216	12.5476	-0.7563	7.56E-15	1.58E-13	Down-regulated
NM_001141973	ATP13A2	23400	42.4772	40.7562	23.5339	25.3155	-0.7567	3.10E-30	1.50E-28	Down-regulated
NM_001172438	PEG10	23089	3.25412	2.66891	1.18308	1.99363	-0.7569	0.0039151	0.016616	Down-regulated
NM_001164280	SLC37A4	2542	17.9832	11.4768	9.74326	5.7783	-0.758	0.0060929	0.0242534	Down-regulated
NM_000245	MET	4233	2.55437	2.8956	1.31308	1.72879	-0.7582	0.0003767	0.0021341	Down-regulated
NM_012413	QPCT	25797	93.0838	85.5794	50.096	54.382	-0.7583	6.38E-21	1.98E-19	Down-regulated
NM_181656	C17orf58	284018	4.93381	4.43321	2.16126	2.62978	-0.759	0.0114888	0.0416461	Down-regulated
NM_001329451	KANK2	25959	15.7612	14.9648	9.6416	8.21942	-0.7595	1.32E-12	2.28E-11	Down-regulated
NM_001010866	TMEM201	199953	8.59435	7.78769	5.24778	4.08164	-0.7602	1.08E-05	8.46E-05	Down-regulated
NM_000565	IL6R	3570	15.2687	16.0385	9.60879	8.65851	-0.7608	1.08E-17	2.75E-16	Down-regulated
NM_178833	SLC9B2	133308	2.96023	2.68959	1.59273	1.43436	-0.7612	0.0037806	0.0161311	Down-regulated
NM_005808	CTDSPL	10217	9.74615	9.66306	5.23286	5.99873	-0.7616	8.88E-10	1.18E-08	Down-regulated
NM_017613	DONSON	29980	11.6599	11.3188	6.97918	6.21678	-0.7616	3.23E-07	3.19E-06	Down-regulated
NM_001318821	PDDC1	347862	7.56096	5.12022	3.80162	3.20394	-0.7621	0.0005916	0.0031994	Down-regulated
NM_018988	GFOD1	54438	2.80415	2.65008	1.61837	1.27394	-0.7624	0.0046366	0.0192006	Down-regulated
NM_152540	SCFD2	152579	8.98483	10.6198	5.44217	5.77586	-0.7625	1.21E-06	1.11E-05	Down-regulated
NM_007317	KIF22	3835	40.3362	38.2417	23.2409	22.5665	-0.7628	3.59E-19	1.00E-17	Down-regulated
NM_178040	ERC1	23085	6.15463	5.75359	3.26952	3.63807	-0.7629	1.99E-12	3.38E-11	Down-regulated
NM_020700	PPM1H	57460	2.37611	2.36903	1.24555	1.41024	-0.7632	0.000148	0.000921	Down-regulated
NM_206808	CLYBL	171425	7.44653	7.20099	3.70051	4.11791	-0.7637	0.0031911	0.0138699	Down-regulated
NM_001077180	METTL9	51108	51.909	52.6056	31.3522	29.7315	-0.7639	6.93E-37	4.17E-35	Down-regulated
NM_080669	SLC46A1	113235	1.87763	1.85695	1.04146	1.02339	-0.764	0.0003875	0.0021903	Down-regulated
NM_052844	WDR34	89891	42.0846	40.2049	25.3837	22.2907	-0.7643	2.73E-13	5.04E-12	Down-regulated
NM_145287	ZNF519	162655	0.878811	0.848889	0.467497	0.402007	-0.7652	0.0112871	0.0410316	Down-regulated
NM_019555	ARHGEF3	50650	4.96146	3.79472	1.76678	2.82414	-0.7659	0.0052161	0.021291	Down-regulated
NM_001271844	TBC1D16	125058	24.1316	20.8452	13.7503	12.3689	-0.766	9.62E-17	2.28E-15	Down-regulated

NM_007194	CHEK2	11200	5.48035	5.28235	2.67433	3.05954	-0.7661	0.0028066	0.0124539	Down-regulated
NM_001142495	MYO5A	4644	13.8135	11.574	8.15839	6.4353	-0.7664	6.97E-09	8.44E-08	Down-regulated
NM_003885	CDK5R1	8851	14.8636	14.4304	8.90545	8.05637	-0.7664	3.60E-13	6.58E-12	Down-regulated
NM_003456	ZNF205	7755	4.31826	3.53532	2.22477	1.80713	-0.7664	0.0089179	0.0335818	Down-regulated
NM_003173	SUV39H1	6839	9.34145	8.72325	5.19391	5.07425	-0.7683	8.37E-07	7.85E-06	Down-regulated
NM_015059	TLN2	83660	1.39509	1.52994	0.83043	0.817062	-0.7684	2.83E-05	0.0002036	Down-regulated
NM_144570	HN1L	90861	35.6267	36.3427	21.4363	20.4599	-0.7687	1.33E-31	6.78E-30	Down-regulated
NM_016647	THEM6	51337	31.4355	31.7043	19.3915	17.1052	-0.7699	4.14E-14	8.24E-13	Down-regulated
NM_002894	RBBP8	5932	10.8922	10.3468	6.01026	6.1706	-0.7703	1.68E-09	2.17E-08	Down-regulated
NM_138284	IL17D	53342	4.57797	5.18032	2.48726	2.66446	-0.7704	0.0041604	0.0174784	Down-regulated
NM_001143761	EIF5A	1984	50.1351	45.2607	25.5986	29.1095	-0.7706	5.99E-10	8.12E-09	Down-regulated
NM_017975	ZWILCH	55055	15.0994	16.4747	9.90981	8.12783	-0.7711	2.85E-08	3.21E-07	Down-regulated
NM_030923	TMEM163	81615	49.9898	48.9433	26.0256	31.0104	-0.7713	7.91E-13	1.40E-11	Down-regulated
NR_045557	UR1I	8725	10.9451	9.1483	6.23338	5.11675	-0.7714	5.92E-06	4.88E-05	Down-regulated
NM_032435	MLK4	84451	1.34829	1.37637	0.698142	0.740796	-0.7731	0.0036685	0.015716	Down-regulated
NM_024923	NUP210	23225	1.30998	1.25597	0.748202	0.621383	-0.7737	0.0025247	0.0113771	Down-regulated
NM_152856	RBM10	8241	6.75803	6.51272	3.4676	3.98994	-0.774	1.09E-05	8.49E-05	Down-regulated
NM_053064	GNG2	54331	22.6003	20.0627	11.3377	13.1668	-0.7744	1.16E-11	1.85E-10	Down-regulated
NM_003502	AXIN1	8312	3.20459	4.42492	2.26209	1.78124	-0.7745	0.002751	0.0122325	Down-regulated
NM_001267040	JARID2	3720	10.2774	8.57534	5.60869	5.15229	-0.7753	6.34E-09	7.72E-08	Down-regulated
NM_001330449	AMDHD2	51005	28.3901	26.9181	17.1906	14.1729	-0.7757	1.60E-07	1.66E-06	Down-regulated
NM_015055	SWAP70	23075	40.8594	41.2864	23.6526	24.0026	-0.7762	7.16E-52	6.84E-50	Down-regulated
NM_013409	FST	10468	3.12152	3.34249	1.58964	1.55517	-0.7769	0.0130327	0.0462939	Down-regulated
NM_001278640	RANBP1	5902	43.4376	42.9302	27.4971	21.3088	-0.7772	8.74E-07	8.19E-06	Down-regulated
NM_019029	CPVL	54504	4.92257	4.27039	2.66699	1.98054	-0.7778	0.0086908	0.0328626	Down-regulated
NM_020715	PLEKHH1	57475	5.87652	6.86352	3.51503	3.74072	-0.778	1.01E-08	1.19E-07	Down-regulated
NM_001321484	RPS19	6223	43.901	31.1951	21.5675	18.3789	-0.7782	0.0018375	0.0086329	Down-regulated
NM_001330645	ADGRL2	23266	2.52442	1.48644	1.19892	0.750712	-0.7791	0.01339	0.0473661	Down-regulated
NM_022909	CENPH	64946	21.906	22.9312	12.2815	13.1264	-0.7791	1.48E-07	1.54E-06	Down-regulated
NM_001127218	POLD2	5425	23.2888	23.8123	14.4339	12.3578	-0.7792	8.21E-09	9.82E-08	Down-regulated
NM_006082	TUBA1B	10376	801.382	731.547	439.254	447.727	-0.7792	7.09E-51	6.58E-49	Down-regulated
NM_022089	ATP13A2	23400	50.1704	48.3055	29.4753	27.4442	-0.7793	1.05E-35	6.04E-34	Down-regulated
NM_001288754	RHOT1	55288	3.28689	3.52411	1.89615	1.77103	-0.7796	0.0009531	0.0048996	Down-regulated
NM_001008393	C4orf46	201725	4.2135	4.2512	2.52064	2.13003	-0.78	0.0001883	0.0011395	Down-regulated
NM_005505	SCARB1	949	182.104	178.762	107.882	100.897	-0.7804	6.39E-60	6.98E-58	Down-regulated
NM_001067	ii alpha(TC	7153	33.108	32.0627	17.1798	20.2543	-0.7822	1.20E-18	3.21E-17	Down-regulated
NM_001361	inone)(DHOI	1723	6.98664	7.52504	3.87322	4.16509	-0.7827	4.02E-05	0.0002806	Down-regulated
NM_001243733	VEGFB	7423	4.77974	5.24011	2.84829	2.20847	-0.7833	0.006679	0.0262489	Down-regulated
NM_024330	SLC27A3	11000	93.4043	90.4384	53.2982	52.7407	-0.7842	6.83E-51	6.37E-49	Down-regulated
NM_207123	GAB1	2549	1.97038	2.06515	0.932771	1.25666	-0.7847	0.000389	0.0021983	Down-regulated
NM_017760	NCAPG2	54892	13.429	13.3521	8.22521	7.03559	-0.7847	2.99E-11	4.61E-10	Down-regulated
NR_034123	CKMT2-AS1	1E+08	3.36615	3.53796	1.73322	1.76517	-0.7848	0.0066782	0.0262489	Down-regulated
NM_001319228	CEP131	22994	11.7178	10.9074	6.13864	6.72425	-0.7862	2.40E-10	3.43E-09	Down-regulated
NM_001271142	ST3GAL6	10402	11.2141	11.8837	6.92576	6.17345	-0.7869	1.13E-09	1.49E-08	Down-regulated
NM_000248	MITF	4286	27.5848	27.1281	15.6645	15.7775	-0.7872	2.16E-34	1.19E-32	Down-regulated
NM_199329	SLC43A3	29015	64.1935	64.6207	38.1649	35.8987	-0.7873	4.10E-37	2.48E-35	Down-regulated
NM_001303130	GAS2L3	283431	8.25091	8.92242	5.67359	3.82138	-0.7877	3.37E-05	0.0002389	Down-regulated
NM_001809	CENPA	1058	17.6632	15.9303	7.9509	10.4865	-0.7881	0.0001226	0.0007756	Down-regulated
NM_138285	NUP35	129401	10.4768	10.7193	5.93529	5.73242	-0.7893	4.89E-05	0.0003356	Down-regulated
NM_000550	TYRP1	7306	140.661	138.508	76.2279	83.9891	-0.7903	1.09E-41	7.72E-40	Down-regulated
NM_175849	DNMT3B	1789	2.47661	2.46178	1.15713	1.4455	-0.7911	0.0018278	0.0086042	Down-regulated
NM_173814	PRTG	283659	1.0612	1.26422	0.630299	0.660881	-0.7915	0.0002421	0.00143	Down-regulated
NM_001144755	MYBL1	4603	2.26662	2.19423	1.26818	1.12509	-0.7916	0.0006314	0.0033946	Down-regulated
NR_134882	CNPY3	10695	3.53353	5.41976	2.08217	2.18012	-0.7917	0.0129159	0.0459562	Down-regulated
NM_033417	HAUS8	93323	18.2569	17.7821	10.1288	9.99584	-0.7921	5.15E-07	4.98E-06	Down-regulated
NM_001317956	ID1I	3422	3.97779	3.48484	2.12912	1.85999	-0.7921	0.0009542	0.0049039	Down-regulated
NM_001168	BIRC5	332	26.7818	28.2122	15.8183	15.5305	-0.7921	1.49E-18	3.98E-17	Down-regulated
NM_001006946	SDC1	6382	3.88321	5.65766	2.80971	2.16159	-0.7932	0.0026391	0.0118147	Down-regulated
NM_001324172	WDR59	79726	5.57368	5.25158	2.99559	2.44785	-0.7938	0.0049425	0.0202869	Down-regulated
NM_0011120	MFS10	10227	17.5391	20.125	9.91209	11.1874	-0.7939	1.44E-07	1.50E-06	Down-regulated
NM_017816	LYAR	55646	25.8292	23.3712	14.699	12.8893	-0.7942	5.00E-08	5.48E-07	Down-regulated
NM_030918	SNX27	81609	1.65327	1.99086	1.17698	0.582536	-0.795	0.0107754	0.0394719	Down-regulated
NM_018087	NDC1	55706	13.1386	13.4125	7.3554	7.75078	-0.7958	5.74E-18	1.48E-16	Down-regulated
NM_006579	ol isomerase)(	10682	84.9724	87.9799	48.9357	49.5082	-0.7959	1.13E-22	3.82E-21	Down-regulated
NM_001308147	PLEKHG3	26030	8.89886	9.66884	5.10376	5.38642	-0.7963	2.93E-11	4.52E-10	Down-regulated
NM_001113407	LDB1	8861	10.4764	5.14084	2.8952	4.6595	-0.7968	0.0097664	0.0362482	Down-regulated
NM_016359	NUSAP1	51203	8.93876	8.07376	5.61519	3.10916	-0.7972	0.0033569	0.0145311	Down-regulated
NM_003045	SLC7A1	6541	19.6737	20.7246	11.4241	11.6399	-0.7975	9.06E-36	5.21E-34	Down-regulated
NM_012334	MYO10	4651	25.1956	25.9809	14.7201	14.5443	-0.7977	4.81E-68	6.47E-66	Down-regulated
NM_018455	CENPN	55839	23.8539	22.7413	12.9869	13.1343	-0.7978	9.53E-09	1.13E-07	Down-regulated
NM_012346	NUP62	23636	2.88427	1.73112	0.981054	1.16087	-0.7989	0.0138199	0.0486472	Down-regulated
NM_001199263	UCHL5	51377	15.8807	11.6256	6.74083	7.93257	-0.7993	0.000567	0.0030806	Down-regulated
NM_007280	OIP5	11339	9.52849	9.27772	5.57575	4.08627	-0.7996	0.0030028	0.0131743	Down-regulated
NM_000337	SGCD	6444	2.10478	2.70566	1.34198	1.29976	-0.8	2.46E-05	0.0001792	Down-regulated
NM_002691	POLD1	5424	18.0551	16.7171	10.0947	9.57622	-0.8006	5.47E-15	1.16E-13	Down-regulated
NM_001130963	NEMP1	23306	9.74552	9.77039	5.21213	5.81271	-0.8009	5.96E-14	1.17E-12	Down-regulated
NR_034069	SRPK1	6732	3.74461	3.59414	1.38292	2.3781	-0.8009	0.0032341	0.0140441	Down-regulated
NM_001044369	FAM69C	125704	2.73719	3.14419	1.41049	1.40401	-0.8011	0.0103522	0.0381338	Down-regulated
NM_001584	MPPED2	744	5.75079	5.05423	2.84653	2.92846	-0.8018	0.0003748	0.0021242	Down-regulated
NM_001256240	PGAP2	27315	5.05282	3.40659	2.19532	1.77379	-0.802	0.0121295	0.043621	Down-regulated
NM_001278376	MPP2	4355	6.87595	5.80297	3.74215	3.23776	-0.8029	3.98E-06	3.36E-05	Down-regulated
NM_001146015	DLGAP5	9787	3.45482	3.1877	1.95093	1.47864	-0.8044	0.0023491	0.0106765	Down-regulated
NM_017679	BCAS3	54828	36.4789	32.9036	19.4726	19.7861	-0.806	2.06E-23	7.28E-22	Down-regulated
NM_000166	GJB1	2705	297.084	287.797	171.041	161.039	-0.8068	2.42E-62	2.81E-60	Down-regulated

NM_012291	ESPL1	9700	10.0639	9.73702	5.95719	5.14855	-0.8094	7.45E-14	1.44E-12	Down-regulated
NM_000947	) subunit 2(P1	5558	7.42968	6.03888	3.78003	3.37361	-0.8098	0.0003202	0.0018446	Down-regulated
NM_000922	PDE3B	5140	5.02854	4.88782	2.91511	2.58474	-0.8133	1.26E-08	1.48E-07	Down-regulated
NM_138444	KCTD12	115207	2.5127	2.3042	1.38286	1.20756	-0.8136	7.47E-05	0.0004936	Down-regulated
NM_003223	TFAP4	7023	14.5175	14.0302	7.98401	7.7807	-0.8153	6.85E-09	8.30E-08	Down-regulated
NM_001258376	EPS15L1	58513	3.88305	4.17102	1.87557	2.39193	-0.8161	0.0003292	0.0018925	Down-regulated
NM_001135821	FDPS	2224	14.1358	21.5474	8.97779	9.75005	-0.8168	0.0005245	0.0028685	Down-regulated
NM_001330564	ZC3H13	23091	20.7575	21.5603	11.7637	12.0806	-0.817	4.06E-44	3.07E-42	Down-regulated
NM_014431	PALD1	27143	4.26276	3.81709	1.94857	2.40043	-0.8177	4.63E-05	0.0003185	Down-regulated
NM_016025	METTL9	51108	130.703	123.915	70.4449	73.089	-0.8177	1.46E-63	1.79E-61	Down-regulated
NM_014750	DLGAP5	9787	9.34326	10.0557	5.32114	5.38945	-0.8179	1.58E-08	1.83E-07	Down-regulated
NM_033301	RPL8	6132	140.788	148.358	86.3603	75.2661	-0.8179	2.60E-18	6.84E-17	Down-regulated
NM_007111	TFDP1	7027	49.8516	46.7878	27.1747	27.1135	-0.8179	9.81E-31	4.82E-29	Down-regulated
NM_018140	CEP72	55722	2.23019	2.68726	1.24485	1.03531	-0.8189	0.010351	0.0381338	Down-regulated
NM_145725	TRAF3	7187	5.21925	5.52723	3.12109	2.84528	-0.819	1.21E-11	1.93E-10	Down-regulated
NM_014708	KNTC1	9735	4.40561	4.19513	2.26599	2.48172	-0.8193	4.82E-09	5.95E-08	Down-regulated
NM_000376	vitamin D3)	7421	4.43184	5.41539	2.85275	2.46631	-0.8195	1.81E-05	0.0001354	Down-regulated
NM_001143688	DIS3L	115752	3.10061	3.27718	2.00075	0.810409	-0.8214	0.0139392	0.0489948	Down-regulated
NM_007109	TCF19	6941	3.07842	3.97479	1.3971	2.09649	-0.8215	0.0038544	0.0164024	Down-regulated
NM_001130924	TMEM201	199953	4.7471	5.22055	2.67773	2.72481	-0.8228	4.32E-06	3.64E-05	Down-regulated
NM_012145	DTYMK	1841	58.7473	60.1594	34.3661	31.7341	-0.8238	2.11E-16	4.89E-15	Down-regulated
NM_001318151	MRPL40	64976	9.31788	7.67949	4.41992	3.71236	-0.824	0.0060581	0.0241452	Down-regulated
NM_017785	SPDL1	54908	9.18836	10.662	5.10954	5.66917	-0.8244	1.15E-06	1.06E-05	Down-regulated
NM_175085	GART	2618	9.33653	11.8242	4.85354	6.29162	-0.8245	0.0001522	0.0009442	Down-regulated
NM_018131	CEP55	55165	15.3457	15.2532	9.31501	7.40947	-0.8259	5.65E-08	6.15E-07	Down-regulated
NM_000405	GM2A	2760	45.2186	47.4443	25.1591	26.6315	-0.8269	7.71E-37	4.62E-35	Down-regulated
NM_138477	CDAN1	146059	2.5947	2.7171	1.32103	1.46362	-0.8291	0.0001693	0.001036	Down-regulated
NM_001105538	MYBBP1A	10514	4.67747	5.69023	3.38323	1.16373	-0.8294	0.0131814	0.0467354	Down-regulated
NM_005108	XYLB	9942	9.60065	10.7828	5.64293	5.54349	-0.8306	5.27E-10	7.20E-09	Down-regulated
NM_024955	FOXRED2	80020	8.20675	7.72087	4.34948	4.43489	-0.8312	2.99E-12	4.98E-11	Down-regulated
NM_002263	KIFC1	3833	23.079	22.8233	12.5495	12.8861	-0.8314	1.12E-18	3.02E-17	Down-regulated
NM_001144942	RAB34	83871	6.78267	9.63361	4.69951	3.40501	-0.8316	0.0028802	0.0127182	Down-regulated
NM_148907	OSBPL9	114883	9.35555	9.09601	5.18509	4.932	-0.832	5.70E-10	7.74E-09	Down-regulated
NM_001255	CDC20	991	45.6751	46.4283	25.4476	25.6238	-0.8325	1.43E-21	4.60E-20	Down-regulated
NM_001005360	DNM2	1785	12.3635	9.62429	6.82342	4.8242	-0.833	5.32E-05	0.0003629	Down-regulated
NM_006845	KIF2C	11004	24.7852	25.4298	15.14	12.4727	-0.8338	2.98E-12	4.96E-11	Down-regulated
NM_032485	MCM8	84515	2.62489	1.60201	1.10637	0.762398	-0.835	0.0112138	0.040804	Down-regulated
NM_206909	PSD3	23362	0.615361	0.485923	0.0805981	0.00037972	-0.8357	0.0103045	0.0380091	Down-regulated
NM_012228	MSRB2	22921	35.3826	34.191	18.9647	19.4692	-0.8357	1.36E-17	3.42E-16	Down-regulated
NM_003896	ST3GAL5	8869	19.8051	20.9727	11.155	11.262	-0.8364	6.76E-14	1.31E-12	Down-regulated
NM_002417	MKI67	4288	3.06822	3.63726	2.12588	1.41585	-0.8365	4.57E-05	0.0003152	Down-regulated
NM_001308114	NFYC	4802	3.16376	4.63788	1.48669	2.06504	-0.8377	0.0081364	0.0311298	Down-regulated
NM_002539	ODC1	4953	49.9737	44.5148	26.4729	25.6756	-0.8381	1.67E-20	5.10E-19	Down-regulated
NM_019605	SERTAD4	56256	2.79127	2.59977	1.20423	1.2185	-0.8389	0.0094333	0.0352241	Down-regulated
NM_172229	KREMEN2	79412	4.93721	3.899	2.14259	2.20606	-0.8393	0.0025868	0.0116131	Down-regulated
NM_018365	MNS1	55329	6.12231	5.44092	2.65292	3.23133	-0.8393	0.0007869	0.0041421	Down-regulated
NM_133178	PTPRN	10076	1.13758	1.19254	0.588379	0.524743	-0.8393	0.0042377	0.0177485	Down-regulated
NM_024678	itative)(NAR'	79731	33.0089	33.2228	17.7422	18.8163	-0.8397	1.61E-23	5.77E-22	Down-regulated
NM_001324320	MAST2	23139	1.37018	2.60485	0.640714	1.0899	-0.84	0.0116683	0.0421391	Down-regulated
NM_018304	PRR11	55771	15.0349	14.9919	8.07355	8.52048	-0.8411	2.65E-29	1.24E-27	Down-regulated
NM_018669	WDR4	10785	10.0152	11.0142	6.4655	4.46185	-0.8414	0.0001613	0.0009927	Down-regulated
NM_014880	CD302	9936	3.10195	2.7955	1.73262	1.2083	-0.8415	0.0015188	0.0073447	Down-regulated
NM_0022783	DEPTOR	64798	5.03573	4.84502	2.69693	2.45536	-0.8416	0.000144	0.0008978	Down-regulated
NM_003390	WEE1	7465	11.0525	11.2298	6.53369	5.5585	-0.8424	1.79E-09	2.29E-08	Down-regulated
NR_110115	OC10192774	1E+08	20.2406	20.5248	11.7367	9.83218	-0.8425	1.54E-05	0.0001165	Down-regulated
NM_001203248	EZH2	2146	5.02465	5.38154	2.6185	2.81715	-0.8434	8.52E-05	0.0005559	Down-regulated
NM_001145772	ADGRG1	9289	5.50258	4.10882	2.62014	2.39551	-0.8441	7.53E-05	0.0004969	Down-regulated
NM_001040664	PAN-P2RY1	692312	4.82372	5.44419	2.52749	2.86577	-0.845	3.94E-05	0.0002751	Down-regulated
NM_000059	BRCA2	675	1.07111	1.17689	0.487258	0.656851	-0.8455	0.0004659	0.0025885	Down-regulated
NR_073136	HPS4	89781	4.09462	3.76839	1.92524	2.23621	-0.8469	5.15E-06	4.28E-05	Down-regulated
NM_004580	RAB27A	5873	28.4105	24.4614	14.2161	14.6891	-0.8474	2.76E-16	6.34E-15	Down-regulated
NM_001145315	DSN1	79980	7.91617	9.09537	5.3199	3.03665	-0.8477	0.0018775	0.0088012	Down-regulated
NM_001164273	MGA	23269	1.5232	1.58488	0.461861	0.997012	-0.849	0.0047643	0.0196442	Down-regulated
NM_017754	UHRF1BP1	54887	3.46271	3.69349	2.08073	1.78456	-0.8491	2.67E-09	3.37E-08	Down-regulated
NM_003560	PLA2G6	8398	21.2804	21.1353	12.0509	11.1543	-0.8502	1.54E-19	4.44E-18	Down-regulated
NM_022154	SLC39A8	64116	7.14701	4.28453	2.70063	2.95524	-0.8504	0.0014215	0.0069518	Down-regulated
NM_001139443	BEST1	7439	5.32886	5.31048	3.08709	2.38275	-0.8504	0.0001552	0.0009601	Down-regulated
NM_003624	RANBP3	8498	3.01881	0.223408	0.0599811	0.132143	-0.8511	0.0083979	0.0319831	Down-regulated
NM_002692	POLE2	5427	3.55003	2.85738	1.57282	1.23697	-0.8512	0.0091012	0.0341778	Down-regulated
NM_000221	KHK	3795	2.17271	2.19551	0.946719	0.985545	-0.8538	0.008178	0.0312701	Down-regulated
NM_004483	GCSH	2653	31.6955	31.5889	17.0065	17.3524	-0.8542	4.19E-14	8.33E-13	Down-regulated
NM_203467	LRR1	122769	12.6887	11.0684	5.14738	6.50272	-0.8551	0.0015246	0.0073693	Down-regulated
NM_001105564	CCHCR1	54535	2.79859	2.13732	1.2614	1.02927	-0.8553	0.0051268	0.0209668	Down-regulated
NM_022037	TIA1	7072	1.66627	1.71312	0.955882	0.621908	-0.8553	0.0048522	0.0199549	Down-regulated
NM_152463	EME1	146956	5.24071	5.58812	2.75322	2.79212	-0.8558	0.0001554	0.0009611	Down-regulated
NM_001323973	SLC9A5	6553	1.01772	1.57655	0.554085	0.479499	-0.8568	0.0132519	0.0469591	Down-regulated
NM_022490	POLR1E	64425	11.2423	10.9122	5.7536	5.93535	-0.8584	1.18E-06	1.08E-05	Down-regulated
NM_001319984	FANCD2	2177	1.85082	1.62024	0.960482	0.732905	-0.8591	0.0017719	0.008378	Down-regulated
NM_003702	RGS20	8601	25.3218	24.1317	12.5734	14.0228	-0.8595	4.67E-11	7.10E-10	Down-regulated
NM_012474	UCK2	7371	24.3775	23.783	13.128	13.1758	-0.8596	2.82E-38	1.76E-36	Down-regulated
NM_014264	PLK4	10733	1.96177	2.12276	0.867748	1.08365	-0.8598	0.0024176	0.0109594	Down-regulated
NM_030919	FAM83D	81610	16.2589	17.1476	9.53964	8.42032	-0.8598	8.82E-11	1.31E-09	Down-regulated
NM_024896	ERMP1	79956	7.49644	7.14582	3.85957	4.03653	-0.8598	9.38E-13	1.64E-11	Down-regulated
NM_001252030	TRPM1	4308	12.305	15.5575	6.32524	7.38142	-0.8599	0.0010655	0.0053972	Down-regulated

NM_020300	MGST1	4257	66.4103	65.6534	35.851	35.6417	-0.8602	3.11E-15	6.73E-14	Down-regulated
NM_015271	TRIM2	23231	33.2801	33.6345	17.3468	19.2015	-0.8602	1.81E-39	1.18E-37	Down-regulated
NM_001290293	SDR39U1	56948	3.52186	4.16141	1.51386	1.45802	-0.8605	0.0142206	0.0498922	Down-regulated
NM_153832	GPR161	23432	1.85165	2.56297	1.13131	1.12878	-0.861	0.0001321	0.0008299	Down-regulated
NM_003177	SYK	6850	3.68921	4.38464	2.16492	2.06316	-0.8611	3.57E-06	3.04E-05	Down-regulated
NM_032117	MND1	84057	11.8773	11.0677	5.3433	5.77679	-0.8648	0.0014517	0.0070815	Down-regulated
NM_001326348	CELF2	10659	1.92267	1.8862	0.979614	0.637111	-0.8649	0.0093879	0.035082	Down-regulated
NM_002394	SLC3A2	6520	18.5151	14.9629	8.04798	9.58367	-0.866	4.01E-07	3.92E-06	Down-regulated
NM_004233	CD83	9308	6.39569	6.29777	3.87505	2.11833	-0.8663	0.0025172	0.0113519	Down-regulated
NM_013417	IARS	3376	12.2442	11.3909	5.4953	7.08069	-0.8664	3.57E-09	4.46E-08	Down-regulated
NM_022081	HPS4	89781	28.5663	26.9646	15.572	14.5132	-0.8696	2.68E-33	1.44E-31	Down-regulated
NM_014096	SLC43A3	29015	4.27827	5.52778	2.22354	2.6372	-0.8727	0.0004522	0.0025169	Down-regulated
NM_004418	DUSP2	1844	10.8672	12.0936	5.56016	6.26184	-0.8735	9.45E-06	7.47E-05	Down-regulated
NM_032229	SLITRK6	84189	1.06394	1.27587	0.443335	0.552152	-0.8748	0.0087795	0.0331457	Down-regulated
NM_006993	NPM3	10360	58.6347	61.1348	30.1932	33.3771	-0.8751	1.39E-11	2.20E-10	Down-regulated
NM_001321065	APOC1	341	28.1795	22.4606	8.46491	14.1424	-0.876	0.0048951	0.0201227	Down-regulated
NM_181359	IL6R	3570	4.33324	3.77221	0.961047	2.57175	-0.8761	0.0065607	0.025859	Down-regulated
NM_004856	KIF23	9493	13.378	14.1786	7.40285	7.33645	-0.8762	5.17E-15	1.10E-13	Down-regulated
NM_001282129	SSH2	85464	2.21104	1.99046	1.14781	1.04599	-0.8769	8.48E-07	7.95E-06	Down-regulated
NM_006631	ZNF266	10781	2.60534	1.48806	0.996404	0.688328	-0.877	0.0091547	0.0343381	Down-regulated
NM_004523	KIF11	3832	6.37901	7.17533	3.05062	4.00631	-0.8776	7.19E-07	6.81E-06	Down-regulated
NM_001256421	GPAT3	84803	6.59557	5.55156	1.40938	3.68052	-0.8777	0.0086086	0.0326295	Down-regulated
NM_001008708	CHAC2	494143	6.05618	6.42369	2.29734	3.33344	-0.878	0.0042836	0.0179213	Down-regulated
NM_207446	FAM174B	400451	1.9998	2.48281	1.05678	0.895526	-0.8783	0.0064065	0.0253226	Down-regulated
NM_001029860	FBXO43	286151	1.21711	1.72876	0.478223	0.674624	-0.8788	0.0115982	0.0419392	Down-regulated
NM_001302693	TRIM2	23321	15.3948	15.3214	7.78023	6.43548	-0.88	0.0026177	0.0117326	Down-regulated
NR_104200	BCL2L12	83596	5.74681	7.84423	3.49941	2.96911	-0.8801	0.0014757	0.0071655	Down-regulated
NM_001345861	ABLM3	22885	4.16326	3.4479	1.90177	1.98321	-0.8814	1.77E-05	0.0001323	Down-regulated
NM_012485	HMMR	3161	7.00077	6.85688	3.79687	3.41174	-0.8815	3.03E-07	3.01E-06	Down-regulated
NM_018685	ANLN	54443	8.80568	8.12586	5.03447	3.80023	-0.8815	1.44E-07	1.50E-06	Down-regulated
NM_003318	TTK	7272	6.17171	6.46949	3.50716	3.00341	-0.8817	3.66E-06	3.11E-05	Down-regulated
NM_205846	PRELID2	153768	1.57561	1.70251	0.788799	0.766788	-0.8822	0.001199	0.0059863	Down-regulated
NM_001286734	CENPE	1062	2.66954	2.64827	1.13897	1.56899	-0.8834	1.66E-05	0.0001249	Down-regulated
NM_153339	PUSL1	126789	18.1417	15.8343	9.24663	8.1228	-0.8846	8.25E-06	6.60E-05	Down-regulated
NM_012113	CA14	23632	6.96775	6.1907	3.22774	3.28068	-0.8847	0.0002378	0.0014072	Down-regulated
NM_002528	NTHL1	4913	27.9545	28.9454	14.4646	15.2375	-0.8849	1.90E-08	2.18E-07	Down-regulated
NM_005484	e) polymerase	10038	12.4417	12.9887	6.65275	6.57677	-0.8857	6.81E-08	7.33E-07	Down-regulated
NM_031935	HMCN1	83872	9.8846	10.5643	5.4401	5.53326	-0.8861	1.24E-45	9.77E-44	Down-regulated
NM_002949	MRPL12	6182	127.372	125.088	66.8882	68.1485	-0.8864	1.99E-33	1.08E-31	Down-regulated
NM_001251989	GMNN	51053	15.4173	13.4338	7.33735	7.07874	-0.8882	6.71E-05	0.0004477	Down-regulated
NR_038430	NASEH1-AS	1E+08	6.74276	6.18842	3.21872	2.78971	-0.8888	0.001796	0.0084751	Down-regulated
NM_001272086	OCI10013037	1E+08	7.88344	8.93273	2.40329	3.92666	-0.8893	0.0115096	0.041705	Down-regulated
NM_001039538	MAP2	4133	1.02639	1.04423	0.488595	0.458317	-0.8899	0.0031459	0.013689	Down-regulated
NM_005431	XRCC2	7516	1.92091	2.42924	1.01368	0.923571	-0.8913	0.0037982	0.0161883	Down-regulated
NM_001330414	BCAS3	54828	6.3258	4.76534	2.86971	2.70337	-0.8914	2.87E-05	0.0002062	Down-regulated
NM_020796	SEMA6A	57556	9.46179	9.59202	5.2826	4.83095	-0.892	1.65E-20	5.03E-19	Down-regulated
NM_005427	TP73	7161	1.93013	1.57074	0.774976	0.885528	-0.8925	0.0010251	0.0052204	Down-regulated
NM_001142621	TGFBRAP1	9392	3.53823	3.24485	1.54023	1.90836	-0.8938	6.11E-06	5.02E-05	Down-regulated
NM_005879	TRAP1	10293	8.33123	10.2173	4.24222	5.04039	-0.8945	3.97E-05	0.0002771	Down-regulated
NR_130917	CCDC26	137196	3.65075	3.84642	1.44849	1.81675	-0.8951	0.0045372	0.0188298	Down-regulated
NM_001291869	IGF2BP2	10644	3.82936	1.53427	1.09305	1.0304	-0.8957	0.0088221	0.0332801	Down-regulated
NM_001085400	RELL1	768211	3.31675	3.64139	1.71165	1.74744	-0.8957	6.54E-05	0.0004373	Down-regulated
NM_001287740	STK32A	202374	3.47099	3.169	1.62976	1.7409	-0.8962	4.52E-06	3.80E-05	Down-regulated
NM_002758	MAP2K6	5608	5.4873	4.66449	2.09364	2.63078	-0.8965	0.0014677	0.0071321	Down-regulated
NM_001320047	C1orf112	55732	3.90001	3.58842	1.21655	2.16347	-0.8975	0.0028757	0.0127073	Down-regulated
NR_028103	DCAF8	50717	9.0895	11.2288	6.13329	4.06408	-0.8976	2.33E-05	0.0001703	Down-regulated
NM_001099650	GXYLT1	283464	2.46789	2.55303	1.18073	1.37878	-0.8982	1.51E-06	1.37E-05	Down-regulated
NM_001165931	RRM2	6241	12.4924	12.8765	6.83008	6.50468	-0.8984	9.26E-15	1.93E-13	Down-regulated
NM_004217	AURKB	9212	30.7448	30.9787	15.5549	16.6694	-0.8996	1.12E-11	1.78E-10	Down-regulated
NM_001010000	ARHGAP28	79822	1.66022	1.54409	0.757107	0.780061	-0.9007	0.0005035	0.0027677	Down-regulated
NM_001290052	UHRF1	29128	0.729966	4.81007	0.551255	0.704924	-0.902	0.0127958	0.0456136	Down-regulated
NM_001324220	HMGCS1	3157	1.27088	1.31194	0.659735	0.225868	-0.9021	0.0121173	0.0435854	Down-regulated
NM_001270507	TNFAIP3	7128	0.864545	3.42224	0.449791	0.0417951	-0.9028	0.0083593	0.0318678	Down-regulated
NM_021734	SLC25A19	60386	8.52965	9.24499	4.89757	3.74247	-0.9033	0.0001739	0.0010618	Down-regulated
NM_019013	FAM64A	54478	64.8438	63.8028	32.3884	35.4895	-0.9034	2.80E-25	1.11E-23	Down-regulated
NM_146387	MRPL4	51073	60.7526	68.1882	29.5054	37.3894	-0.9039	1.30E-10	1.89E-09	Down-regulated
NM_001018112	FANCA	2175	2.97428	3.82566	1.38547	1.35181	-0.905	0.0065562	0.0258555	Down-regulated
NM_003486	SLC7A5	8140	89.1081	93.68	50.2223	46.6425	-0.905	1.13E-57	1.18E-55	Down-regulated
NM_022836	DCLRE1B	64858	3.43224	2.56389	1.13149	1.62702	-0.9055	0.0015139	0.0073285	Down-regulated
NM_001319999	RACGAP1	29127	15.4378	16.7152	8.22691	8.59955	-0.906	1.22E-15	2.73E-14	Down-regulated
NM_001673	e-hydrolyzing	440	47.8672	45.6259	26.9685	21.8425	-0.9069	2.16E-14	4.37E-13	Down-regulated
NM_001301010	ALKBH8	91801	1.15682	0.916052	0.362777	0.424528	-0.9071	0.0088975	0.0335181	Down-regulated
NM_000179	MSH6	2956	14.4349	11.3008	5.99246	7.21266	-0.9073	2.69E-08	3.03E-07	Down-regulated
NM_032776	JMJD1C	221037	0.773613	0.794557	0.104172	0	-0.9083	0.0061019	0.0242843	Down-regulated
NM_001256875	CDCA8	55143	9.06339	8.3195	4.70969	4.09458	-0.9083	7.00E-07	6.65E-06	Down-regulated
NM_001164162	PPP6R3	55291	1.5659	1.6885	0.776927	0.756416	-0.9088	0.0007018	0.003729	Down-regulated
NM_004615	TSPAN7	7102	12.3338	10.4417	5.15478	6.21198	-0.9089	1.14E-05	8.85E-05	Down-regulated
NM_018369	DEPDC1B	55789	7.88057	8.55666	3.57805	4.63339	-0.9092	9.04E-06	7.18E-05	Down-regulated
NM_002461	MVD	4597	84.8318	83.2866	44.4814	44.2425	-0.9097	1.68E-49	1.50E-47	Down-regulated
NR_026982	RPL23AP82	284942	6.36078	4.99746	2.76745	2.2011	-0.9097	0.0029629	0.0130293	Down-regulated
NM_203370	FAM212A	389119	7.97552	9.05777	3.29058	4.24414	-0.9108	0.0026907	0.0120063	Down-regulated
NM_001012267	CENPP	401541	1.99465	1.88534	0.914229	0.806659	-0.912	0.0023054	0.010498	Down-regulated
NM_024945	RMI1	80010	2.88331	2.57192	1.39969	1.16094	-0.9122	0.0006029	0.0032558	Down-regulated
NR_125981	SS18L1	26039	2.43444	2.54938	0.930279	1.35008	-0.9128	0.001337	0.0065961	Down-regulated

NR_027756	ein coding)(F	283902	6.30159	6.16726	1.74823	3.04692	-0.914	0.0079482	0.0305198	Down-regulated
NM_020786	PDP2	57546	2.98949	3.15483	1.76828	1.29224	-0.9141	8.06E-06	6.46E-05	Down-regulated
NM_001172220	sophila)(SCM	22955	3.75601	3.48411	2.0122	1.33289	-0.9142	0.000981	0.0050238	Down-regulated
NM_001323359	ST3GAL6	10402	4.86062	4.73601	2.62208	2.1519	-0.9145	9.49E-06	7.50E-05	Down-regulated
NM_001113482	MANEAL	149175	7.77671	8.41826	4.20041	4.03058	-0.9146	4.46E-08	4.91E-07	Down-regulated
NM_001271427	EMC1	23065	4.27423	3.95676	2.33156	1.83853	-0.9148	2.00E-07	2.04E-06	Down-regulated
NM_001282763	CDV3	55573	10.0304	7.17009	5.00945	3.03756	-0.9161	0.0005993	0.0032391	Down-regulated
NM_032322	RNF135	84282	5.0072	4.99194	2.33041	2.47891	-0.9166	0.0002003	0.0012075	Down-regulated
NM_183234	RAB27A	5873	1.39995	1.35792	0.285221	0.624159	-0.9169	0.010977	0.0400953	Down-regulated
NM_001136191	KANK2	25959	3.82666	4.59133	2.06799	2.16842	-0.9174	7.02E-07	6.66E-06	Down-regulated
NM_001018109	PIR	8544	112.683	104.66	50.4274	62.3249	-0.9176	2.52E-16	5.83E-15	Down-regulated
NM_001083961	WDR62	284403	8.32148	7.50602	3.30716	4.64151	-0.9183	9.17E-07	8.56E-06	Down-regulated
NM_203383	RNH1	6050	8.53054	11.5692	4.81939	4.9929	-0.9206	4.38E-05	0.0003026	Down-regulated
NM_001211	BUB1B	701	10.3055	10.7137	5.29669	5.55509	-0.9211	6.05E-14	1.18E-12	Down-regulated
NM_003692	TMEFF1	8577	1.71344	1.93139	0.374559	0.808153	-0.9213	0.0107959	0.0395243	Down-regulated
NM_004490	GRB14	2888	1.85852	2.24844	0.8223	0.798944	-0.9217	0.0062053	0.0246546	Down-regulated
NM_0032808	LINGO1	84894	24.2524	24.1721	12.3385	12.8934	-0.9219	3.42E-26	1.42E-24	Down-regulated
NM_006540	NCOA2	10499	3.45201	3.76978	1.87557	1.82863	-0.922	5.78E-11	8.70E-10	Down-regulated
NM_018492	PBK	55872	30.151	25.976	13.8406	15.0673	-0.9226	3.03E-13	5.57E-12	Down-regulated
NM_152421	FAM69B	138311	19.5656	18.6968	10.292	9.40003	-0.9242	4.66E-14	9.24E-13	Down-regulated
NM_001128424	FAM198B	51313	5.51415	3.46036	2.01678	2.22215	-0.9266	0.0002153	0.0012873	Down-regulated
NM_001949	E2F3	1871	6.9688	7.73553	3.72207	3.80372	-0.9278	3.48E-12	5.76E-11	Down-regulated
NM_018057	SLC6A15	55117	7.0102	7.01943	3.41841	3.72174	-0.9285	6.57E-11	9.85E-10	Down-regulated
NM_001324222	HMGCS1	3157	0.699465	0.720627	0.149838	0.293823	-0.9287	0.0102812	0.0379308	Down-regulated
NM_001177637	DAG1	1605	2.35836	1.9771	0.36346	1.17179	-0.929	0.0086816	0.0328344	Down-regulated
NM_005573	LMNB1	4001	19.1757	17.6342	9.29553	9.69316	-0.9292	1.94E-19	5.56E-18	Down-regulated
NM_017955	CDC4A	55038	15.1085	14.4964	7.34295	7.79451	-0.9294	1.67E-12	2.87E-11	Down-regulated
NM_007298	BRCA1	672	2.65983	2.17597	0.474168	1.26078	-0.931	0.0082212	0.0313984	Down-regulated
NM_001324436	PARL	55486	5.29906	4.46226	1.99986	2.03306	-0.9321	0.0038733	0.0164715	Down-regulated
NM_001244963	NAV2	89797	2.79504	2.54841	1.26229	1.44721	-0.9325	9.66E-10	1.28E-08	Down-regulated
NM_001184990	NDUFC1	4717	22.115	15.5135	6.70259	9.30686	-0.9341	0.0024909	0.0112566	Down-regulated
NM_000791	DHFR	1719	13.0455	14.0682	6.95945	6.96312	-0.9344	6.60E-18	1.69E-16	Down-regulated
NM_152355	ZNF441	126068	1.42857	1.40888	0.484026	0.693174	-0.9345	0.0031818	0.0138359	Down-regulated
NM_152429	FGFBP3	143282	2.63705	2.40095	1.18807	0.967133	-0.935	0.0025683	0.0115439	Down-regulated
NM_000933	PLCB4	5332	4.62168	3.59705	1.44944	2.37764	-0.935	0.0003147	0.0018163	Down-regulated
NM_001330566	ZC3H13	23091	10.629	9.80429	5.56986	4.93921	-0.9352	1.56E-20	4.76E-19	Down-regulated
NM_018101	CDC48	55143	5.08703	6.16937	2.49388	2.85032	-0.9359	9.31E-05	0.0006023	Down-regulated
NM_006479	RAD51AP1	10635	5.37083	6.51759	3.2097	2.2347	-0.936	0.0004977	0.00274	Down-regulated
NM_017518	HAUS7	55559	15.4067	15.0066	8.2068	6.66709	-0.9377	3.73E-06	3.17E-05	Down-regulated
NM_015465	GEMIN5	25929	6.05449	6.02003	2.88276	3.23853	-0.9378	1.47E-11	2.31E-10	Down-regulated
NM_152996	T6GALNAC	256435	4.1248	3.7592	1.72164	2.04991	-0.9378	5.81E-05	0.0003924	Down-regulated
NM_198436	AURKA	6790	5.95388	2.80475	1.99204	0.79172	-0.9388	0.0092482	0.0346414	Down-regulated
NM_017882	CLN6	54982	26.7521	26.3661	13.4855	13.7308	-0.9405	2.72E-21	8.56E-20	Down-regulated
NM_004237	TRIP13	9319	22.1168	20.2127	9.65105	11.7302	-0.9409	2.44E-11	3.78E-10	Down-regulated
NM_173630	RTTN	25914	2.45242	2.47406	1.2673	1.16602	-0.9412	3.81E-07	3.74E-06	Down-regulated
NM_148912	ABHD11	83451	6.81815	3.60099	1.74308	2.09438	-0.9416	0.0064046	0.0253203	Down-regulated
NM_001269	RCC1	1104	28.7899	25.84	15.9871	11.1799	-0.9417	6.16E-08	6.66E-07	Down-regulated
NM_007370	RFC5	5985	12.2091	11.0466	5.72984	5.9021	-0.9421	1.36E-08	1.59E-07	Down-regulated
NM_198044	ZDHHC16	84287	2.83099	3.15629	0.797585	1.31644	-0.9429	0.0071315	0.0277987	Down-regulated
NM_144711	KLHL23	151230	3.26057	3.47899	1.77715	1.43226	-0.9439	3.74E-05	0.0002625	Down-regulated
NM_025069	ZNF703	80139	52.7887	50.3868	27.4218	25.6537	-0.9456	1.68E-45	1.32E-43	Down-regulated
NM_018593	SLC16A10	117247	2.53646	2.44274	1.21562	0.906135	-0.9456	0.0018635	0.0087463	Down-regulated
NM_000927	ABCB1	5243	2.56224	2.61352	1.14332	1.32616	-0.946	3.96E-05	0.0002765	Down-regulated
NM_001324445	ADAT1	23536	3.90519	2.01495	1.50715	0.95814	-0.9466	0.0026776	0.011966	Down-regulated
NM_001286710	ACSL1	2180	8.69508	9.62597	4.56327	4.67548	-0.9466	3.13E-12	5.21E-11	Down-regulated
NM_016235	GPRC5B	51704	29.2036	27.8776	14.9771	14.2409	-0.9468	5.80E-28	2.62E-26	Down-regulated
NM_001202517	CFLAR	8837	0.423866	0.533928	0.205027	0.170532	-0.9475	0.0044659	0.0185741	Down-regulated
NM_001203263	IL17RC	84818	4.47608	6.01005	2.80291	1.72773	-0.9481	0.0015289	0.007385	Down-regulated
NM_001318164	mutative)(PUS	54517	3.77477	5.19955	2.29451	1.86215	-0.9487	0.0001646	0.0010112	Down-regulated
NM_000251	MSH2	4436	21.4738	18.4341	9.74943	10.4443	-0.9489	4.37E-15	9.37E-14	Down-regulated
NR_104487	ZDHHC20	253832	2.87326	0.991822	0.68745	0.628116	-0.9496	0.0075	0.0290499	Down-regulated
NM_001238	CCNE1	898	8.08095	7.76108	3.81605	3.83077	-0.9503	4.93E-06	4.11E-05	Down-regulated
NM_207411	XKR5	389610	0.925943	1.13298	0.462302	0.296134	-0.9506	0.0056865	0.022893	Down-regulated
NM_022074	FAM111A	63901	3.77941	4.68296	2.34045	1.4725	-0.9513	0.0004895	0.0027002	Down-regulated
NM_001114121	CHEK1	1111	3.31848	3.22465	1.64433	1.26969	-0.9514	0.000756	0.0039959	Down-regulated
NM_001159767	BZW2	28969	10.1542	9.69115	4.46351	5.1974	-0.9515	1.80E-06	1.60E-05	Down-regulated
NM_001345871	PIPSK2	23262	1.09029	1.71202	0.668291	0.541502	-0.9517	0.0014351	0.0070128	Down-regulated
NM_001145356	CBWD1	55871	3.73627	4.08179	1.79505	1.40487	-0.9525	0.0028799	0.0127182	Down-regulated
NM_021116	ADCY1	107	4.34634	4.33412	2.25828	2.1513	-0.9532	1.44E-21	4.61E-20	Down-regulated
NR_110866	TSPAN10	83882	2.81004	2.97937	1.2147	1.08352	-0.9536	0.003557	0.0152967	Down-regulated
NM_002589	PCDH7	5099	18.9705	20.5644	10.2907	9.81363	-0.9549	2.55E-27	1.12E-25	Down-regulated
NM_024110	CARD14	79092	1.21264	1.402	0.507201	0.553421	-0.955	0.002931	0.0129189	Down-regulated
NM_000381	MID1	4281	2.5235	1.89491	0.676561	1.22138	-0.9555	0.0014597	0.0071003	Down-regulated
NM_001289131	TUBB4A	10382	6.83149	4.51444	1.59561	3.03733	-0.9558	0.0027047	0.0120605	Down-regulated
NM_001098208	HNRNPF	3185	19.6952	18.8466	8.5501	10.7145	-0.9567	1.41E-11	2.22E-10	Down-regulated
NR_110375	THRIL	1E+08	3.79283	4.43143	1.9371	1.60928	-0.957	0.0011173	0.0056266	Down-regulated
NM_024857	ATAD5	79915	1.88944	1.80476	0.900933	0.861076	-0.9585	1.16E-05	9.03E-05	Down-regulated
NM_001287815	UBAP2L	9898	0.953068	1.34283	0.229394	0.430133	-0.96	0.0083026	0.0316767	Down-regulated
NM_018944	MIS18A	54069	15.1994	12.5492	6.23369	7.10318	-0.9612	2.53E-06	2.20E-05	Down-regulated
NM_003034	ST8SIA1	6489	11.4939	10.8823	5.92279	5.41968	-0.9617	9.68E-32	4.97E-30	Down-regulated
NM_001282984	FARP2	9855	4.3209	2.81159	1.59174	1.33086	-0.9624	0.0021462	0.0098838	Down-regulated
NM_002612	PDK4	5166	3.18428	3.69768	1.60182	1.62865	-0.9626	3.08E-05	0.0002199	Down-regulated
NM_015313	ARHGEF12	23365	5.38828	3.84919	2.22181	2.28432	-0.9633	9.73E-08	1.03E-06	Down-regulated
NM_152259	TICRR	90381	2.48495	3.23312	1.4896	1.21512	-0.9633	1.79E-05	0.0001339	Down-regulated

NM_172244	SGCD	6444	10.0909	7.33237	2.74731	4.58583	-0.9662	0.0014688	0.0071336	Down-regulated
NM_001114120	DEPDC1	55635	1.83944	1.59249	0.836305	0.696684	-0.9665	0.0003384	0.0019398	Down-regulated
NM_182487	OLFML2A	169611	3.78613	4.0204	1.86461	1.97568	-0.9684	3.37E-10	4.72E-09	Down-regulated
NM_001098414	ZNF621	285268	3.15842	1.65467	0.587039	1.26648	-0.9697	0.0034558	0.014905	Down-regulated
NM_022346	NCAPG	64151	12.6399	12.3109	6.44373	6.09441	-0.9698	1.09E-22	3.71E-21	Down-regulated
NM_152562	CDC42	157313	4.87174	5.69291	2.62935	2.44802	-0.9715	3.75E-07	3.69E-06	Down-regulated
NM_020647	JPH1	56704	3.48148	2.93213	1.44892	1.54929	-0.9732	1.35E-05	0.0001033	Down-regulated
NM_001198897	ACY1	95	4.79664	2.66326	1.28665	1.1257	-0.9745	0.0062422	0.0247756	Down-regulated
NR_135247	MRPS25	64432	29.7057	30.7005	15.7734	14.6328	-0.9747	2.13E-39	1.39E-37	Down-regulated
NM_001321241	SLC25A39	51629	3.47733	2.38569	0.943083	1.03929	-0.975	0.0057732	0.0231593	Down-regulated
NR_125815	OC10192945	1E+08	7.74398	7.29836	2.87768	4.15755	-0.9751	1.45E-05	0.0001106	Down-regulated
NM_001001563	TIMM50	92609	58.0404	57.1083	28.7595	29.3955	-0.9764	5.92E-109	1.41E-106	Down-regulated
NM_020890	KIAA1524	57650	7.84881	6.54432	3.24032	3.73074	-0.9777	1.08E-08	1.27E-07	Down-regulated
NM_206943	LTBP1	4052	3.12688	2.14097	1.32744	1.02501	-0.9796	0.0001775	0.0010803	Down-regulated
NM_001184702	GYG2	8908	7.4424	6.85209	3.54689	3.37879	-0.9806	3.66E-09	4.56E-08	Down-regulated
NM_001318521	CENPI	2491	1.49795	2.53083	0.625953	0.807867	-0.9817	0.0043335	0.0181018	Down-regulated
NM_138736	GNAO1	2775	3.14276	3.54591	1.54058	1.67999	-0.9825	5.88E-08	6.38E-07	Down-regulated
NM_007159	SLMAP	7871	1.25061	1.60352	0.6377	0.567622	-0.9831	0.0007962	0.0041785	Down-regulated
NM_001135244	TCOF1	6949	9.95421	10.6152	5.5746	4.51631	-0.9844	1.38E-12	2.39E-11	Down-regulated
NM_001145437	ene-lanosterc	4047	20.1983	18.6892	10.5388	8.66564	-0.9847	1.74E-16	4.05E-15	Down-regulated
NM_001033	RRM1	6240	37.3595	37.4071	18.1668	19.2011	-0.9854	2.86E-44	2.17E-42	Down-regulated
NM_001135243	TCOF1	6949	7.6109	7.87768	3.43342	4.12526	-0.9875	3.92E-12	6.46E-11	Down-regulated
NM_018454	NUSAP1	51203	11.594	12.407	4.33067	6.75321	-0.9878	1.17E-05	9.11E-05	Down-regulated
NM_001165037	GABRA5	2558	7.80693	7.29603	3.66832	3.56335	-0.9891	2.22E-08	2.53E-07	Down-regulated
NM_016310	POLR3K	51728	104.353	91.1337	50.683	44.9547	-0.9912	9.26E-15	1.93E-13	Down-regulated
NM_001317929	SLC27A3	11000	2.37398	5.2278	0.866703	1.54202	-0.9916	0.0054097	0.0219641	Down-regulated
NM_006623	PHGDH	26227	111.442	103.626	52.1715	54.7317	-0.9943	1.04E-50	9.54E-49	Down-regulated
NM_001289068	HELLS	3070	2.34731	1.42598	0.753088	0.534113	-0.9954	0.0043515	0.0181616	Down-regulated
NM_006089	osophila)(SCM	10389	1.91946	1.44658	0.541709	0.777699	-0.9959	0.0018426	0.0086545	Down-regulated
NM_018719	CDC47L	55536	13.0023	12.0832	6.06929	6.14754	-0.9961	5.48E-14	1.08E-12	Down-regulated
NM_001303448	SRRM1	10250	6.51898	6.17275	3.61961	1.89966	-0.9966	0.0002352	0.0013933	Down-regulated
NM_001281520	MCM8	84515	3.03325	4.51756	1.48945	1.79129	-0.9983	0.000221	0.0013175	Down-regulated
NM_001103161	SH2D5	400745	2.96773	2.27868	1.31728	0.799093	-0.9991	0.0011696	0.0058611	Down-regulated
NM_001078177	blood group)	2030	4.08225	3.67768	1.10347	1.97095	-1	0.0015264	0.0073761	Down-regulated
NM_001320605	ICAM3	3385	3.41551	3.72785	1.43359	1.29473	-1.0012	0.0020988	0.0096981	Down-regulated
NM_032043	BRIP1	83990	1.76796	1.88493	0.9201	0.772162	-1.0017	2.65E-06	2.30E-05	Down-regulated
NM_001025092	MBP	4155	40.7032	33.716	18.277	17.9567	-1.0033	1.98E-16	4.61E-15	Down-regulated
NM_005761	PLXNC1	10154	12.5555	13.3787	6.29454	6.47875	-1.0033	8.46E-35	4.71E-33	Down-regulated
NM_001278463	DNM1L	10059	4.01323	4.65549	2.07973	1.9935	-1.0043	1.07E-07	1.13E-06	Down-regulated
NM_173089	CAPN3	825	13.9413	11.1961	4.63503	6.40362	-1.0047	0.0001271	0.0008018	Down-regulated
NM_001304463	blood group)	2030	31.4036	32.7821	16.8985	14.3326	-1.0053	6.13E-18	1.57E-16	Down-regulated
NM_003594	TTF2	8458	7.75681	8.58256	4.18305	3.709	-1.0054	3.71E-13	6.75E-12	Down-regulated
NM_000899	KITLG	4254	2.54057	2.47073	1.19389	1.11683	-1.0074	2.40E-06	2.09E-05	Down-regulated
NM_001281932	NCAPG2	54892	1.68773	1.05999	0.46764	0.497115	-1.0081	0.0030981	0.0135271	Down-regulated
NM_024571	SNRNP25	79622	37.5812	37.2551	18.3887	17.7052	-1.0086	1.04E-13	1.99E-12	Down-regulated
NM_002467	MYC	4609	178.665	174.214	87.8233	86.4006	-1.009	1.33E-129	4.03E-127	Down-regulated
NM_012343	NNT	23530	13.2342	14.4392	6.95241	6.5286	-1.01	5.88E-22	1.91E-20	Down-regulated
NM_007331	WHSC1	7468	0.994287	1.3001	0.398426	0.481705	-1.0106	0.0018254	0.0085947	Down-regulated
NM_001264573	KIF18B	146909	10.0087	10.1412	5.02878	4.74784	-1.011	7.11E-18	1.82E-16	Down-regulated
NR_134468	CARD19	84270	12.1238	11.8593	4.6828	5.54405	-1.0112	0.0003138	0.0018119	Down-regulated
NM_178169	RASSF3	283349	67.1592	64.8987	33.4413	31.5396	-1.0113	3.73E-68	5.05E-66	Down-regulated
NR_027700	NOP56	10528	40.1437	37.8219	17.6522	20.2686	-1.012	3.89E-22	1.27E-20	Down-regulated
NM_152834	TMEM18	129787	25.6923	23.7048	11.2186	12.6431	-1.0122	4.60E-16	1.04E-14	Down-regulated
NM_017915	PARPB	55010	4.19341	3.63267	1.64376	1.84305	-1.0125	2.95E-05	0.0002116	Down-regulated
NM_001129728	PLEKHG4	25894	7.42116	11.2703	4.63752	3.91771	-1.0139	2.33E-06	2.04E-05	Down-regulated
NR_033651	MSC-A51	1E+08	1.96324	2.15424	0.791792	0.949031	-1.016	0.0002294	0.0013618	Down-regulated
NM_016180	SLC45A2	51151	63.3635	58.851	30.1304	29.4519	-1.0165	2.83E-33	1.52E-31	Down-regulated
NM_032139	ANKRD27	84079	19.4283	19.1639	9.58601	9.22704	-1.0178	3.87E-36	2.25E-34	Down-regulated
NM_025108	C16orf59	80178	4.47793	5.19169	2.01812	1.91535	-1.0178	0.0006368	0.0034188	Down-regulated
NM_001195308	CGBBP1	8545	0.806766	1.45375	0.341434	0.3821	-1.018	0.0040768	0.0171918	Down-regulated
NM_002129	HMG2	3148	49.2497	46.7859	22.7494	23.8426	-1.0182	2.89E-25	1.14E-23	Down-regulated
NM_019023	PRMT7	54496	28.0214	25.4555	13.4814	12.3624	-1.0191	3.43E-20	1.03E-18	Down-regulated
NM_001272036	LRRC14	9684	1.85513	1.50919	0.437905	0.827436	-1.0212	0.0016445	0.0078554	Down-regulated
NM_001256574	ENC1	8507	2.05184	2.10315	1.03748	0.773384	-1.0215	5.41E-05	0.0003684	Down-regulated
NM_031945	TSPAN10	83882	31.6126	29.9222	16.1953	13.0919	-1.0218	2.20E-12	3.71E-11	Down-regulated
NM_003918	GYG2	8908	2.4895	2.33797	1.06025	0.972146	-1.022	0.0002382	0.0014089	Down-regulated
NM_001253388	CHL1	10752	13.3053	13.4629	6.3812	6.63988	-1.0229	4.83E-42	3.43E-40	Down-regulated
NM_002106	H2AFZ	3015	1316.63	1253.67	618.028	637.474	-1.023	1.17E-131	3.71E-129	Down-regulated
NM_001142966	GREB1L	80000	1.1769	1.0943	0.369287	0.518536	-1.0244	0.0009274	0.0047855	Down-regulated
NM_000057	BLM	641	4.32244	3.96148	1.87401	1.96192	-1.0253	3.10E-08	3.48E-07	Down-regulated
NM_020910	KIAA1549	57670	0.804812	0.421949	0.225735	0.20875	-1.0261	0.0023078	0.0105064	Down-regulated
NM_006469	IVNS1ABP	10625	101.721	96.6199	48.2876	48.337	-1.0278	7.99E-111	1.98E-108	Down-regulated
NM_006397	RNASEH2A	10535	71.7837	67.64	34.3649	32.7259	-1.0283	4.62E-25	1.80E-23	Down-regulated
NM_012449	STEAP1	26872	9.42331	9.64954	3.81738	4.49498	-1.0289	4.40E-05	0.0003041	Down-regulated
NM_001008396	WDHD1	11169	0.971269	1.02825	0.442238	0.258502	-1.0309	0.0021768	0.0099957	Down-regulated
NM_006803	AP3M2	10947	6.51725	7.03816	3.43634	2.8504	-1.0319	7.36E-09	8.90E-08	Down-regulated
NM_001078175	blood group)	2030	11.4523	8.12572	4.40063	4.31693	-1.0328	4.78E-06	4.01E-05	Down-regulated
NM_033100	CDHR1	92211	1.68347	2.0641	0.754505	0.890294	-1.033	2.41E-05	0.0001759	Down-regulated
NM_138609	H2AFY	9555	10.147	12.5384	5.50562	4.78035	-1.0348	6.84E-07	6.50E-06	Down-regulated
NM_001322434	HNRNP3	3189	22.3486	31.4975	10.5391	14.0146	-1.0353	2.02E-07	2.06E-06	Down-regulated
NM_018096	NLE1	54475	12.1825	8.8908	5.09189	4.42971	-1.0356	8.95E-07	8.37E-06	Down-regulated
NM_001042424	WHSC1	7468	9.18454	8.82949	3.14437	5.06612	-1.0361	1.98E-07	2.03E-06	Down-regulated
NM_001267064	PLEKHB2	55041	1.81855	1.96044	0.222982	0.793592	-1.0378	0.0042591	0.0178278	Down-regulated
NM_007057	ZWINT	11130	45.7622	48.3202	23.1318	21.9147	-1.0382	2.67E-27	1.17E-25	Down-regulated

NM_015216	PIIP5K2	23262	1.94784	1.23523	0.743615	0.519243	-1.0401	0.0005614	0.0030519	Down-regulated
NM_014444	TUBGCP4	27229	4.03371	3.59604	1.97086	1.30754	-1.0401	4.03E-05	0.0002809	Down-regulated
NM_024037	AUNIP	79000	2.80443	3.84413	1.0453	1.39808	-1.0406	0.0013199	0.0065232	Down-regulated
NM_001136538	ACAD10	80724	2.63529	0.657721	0.249123	0.39062	-1.0426	0.0041673	0.0174883	Down-regulated
NM_001318730	DNMT1	1786	7.37071	7.2609	3.10603	3.75575	-1.0426	4.06E-13	7.38E-12	Down-regulated
NM_018132	CENPQ	55166	9.20937	8.8337	3.51615	4.40172	-1.0501	5.15E-06	4.28E-05	Down-regulated
NM_022337	RAB38	23682	77.9168	80.9905	39.5707	36.0591	-1.0502	6.19E-35	3.47E-33	Down-regulated
NM_001288640	FAM222B	55731	1.94672	1.74281	0.632866	0.81519	-1.0562	0.0003839	0.0021718	Down-regulated
NM_173694	ATP11C	286410	1.46901	0.926321	0.500196	0.230248	-1.0567	0.0028552	0.0126282	Down-regulated
NM_002374	MAP2	4133	0.497078	0.524247	0.199833	0.162104	-1.057	0.0014954	0.0072446	Down-regulated
NM_031965	GSG2	83903	8.30436	9.50738	3.89972	4.2424	-1.057	1.69E-09	2.18E-08	Down-regulated
NM_001290230	CDK2	1017	2.97762	3.3473	1.2388	1.18276	-1.058	0.0006092	0.0032845	Down-regulated
NM_002916	RFC4	5984	40.9861	35.6159	18.4193	17.266	-1.0584	2.34E-15	5.12E-14	Down-regulated
NM_020062	SLC2A4RG	56731	35.5394	36.8551	16.5002	17.6871	-1.0585	3.26E-31	1.64E-29	Down-regulated
NM_005483	CHAF1A	10036	36.1523	34.0799	17.0051	16.2324	-1.0611	2.88E-43	2.15E-41	Down-regulated
NM_014176	UBE2T	29089	57.9755	49.956	24.9358	24.8791	-1.0611	4.54E-13	8.21E-12	Down-regulated
NM_003258	TK1	7083	106.405	100.011	47.5123	50.1661	-1.0625	5.51E-49	4.80E-47	Down-regulated
NM_017777	MKS1	54903	7.07669	7.93577	3.6782	2.89408	-1.0697	1.14E-06	1.05E-05	Down-regulated
NM_001301867	BOC	91653	4.59553	4.33842	1.61321	1.92468	-1.0697	0.0002384	0.0014097	Down-regulated
NM_001320970	LIG1	3978	6.62839	3.72759	2.39446	1.5459	-1.0703	0.0004829	0.0026706	Down-regulated
NM_0022473	ZNF106	64397	34.9851	36.1732	16.1564	17.4626	-1.0704	3.15E-85	5.62E-83	Down-regulated
NM_199413	PRC1	9055	15.3804	15.6457	7.40097	7.00892	-1.0725	1.47E-21	4.72E-20	Down-regulated
NM_001237	CCNA2	890	16.1113	15.6465	6.9851	7.72596	-1.0732	1.88E-18	5.02E-17	Down-regulated
NM_017702	DEF8	54849	6.76461	8.58333	1.45681	2.94467	-1.0744	0.0025609	0.0115168	Down-regulated
NM_002725	PRELP	5549	0.955124	0.727347	0.301634	0.255959	-1.0745	0.0015934	0.0076477	Down-regulated
NM_004482	GALNT3	2591	3.10296	2.60121	1.12011	1.19656	-1.0748	8.28E-05	0.0005414	Down-regulated
NM_002358	east)(MAD2L	4085	44.5283	40.0438	19.4472	19.6603	-1.0773	3.55E-20	1.07E-18	Down-regulated
NM_032756	HPDL	84842	13.5158	12.2415	5.81445	5.70934	-1.0818	1.30E-09	1.70E-08	Down-regulated
NM_001105207	LAMA4	3910	6.15323	6.42957	2.29225	3.31577	-1.0827	3.57E-09	4.46E-08	Down-regulated
NM_001012270	BIRC5	332	4.72823	2.73454	1.54542	0.806649	-1.0853	0.0016931	0.0080634	Down-regulated
NM_020201	NT5M	56953	6.6465	6.49831	2.92117	2.41739	-1.088	5.71E-05	0.0003863	Down-regulated
NM_145307	RTKN2	219790	1.72395	1.69464	0.817373	0.568438	-1.0899	3.49E-05	0.0002465	Down-regulated
NM_006231	POLE	5426	13.1629	13.8752	6.24707	6.27896	-1.0924	1.71E-47	1.44E-45	Down-regulated
NM_002689	POLA2	23649	7.91788	8.39663	3.87982	3.4731	-1.0924	8.82E-13	1.55E-11	Down-regulated
NM_001330450	MAP2K6	5608	0.454282	0.537205	0.17107	0.203927	-1.0928	0.0003251	0.0018691	Down-regulated
NM_001316	CSE1L	1434	55.8991	57.3454	26.6033	26.0311	-1.0936	2.51E-86	4.53E-84	Down-regulated
NM_001025090	MBP	4155	44.2991	40.3041	20.7842	17.9792	-1.0939	1.61E-23	5.77E-22	Down-regulated
NM_006874	ELF2	1998	1.92549	1.5813	0.0157477	0.281405	-1.0948	0.0017539	0.0083136	Down-regulated
NM_001271846	TBC1D16	125058	36.7982	34.2195	17.1953	14.803	-1.0952	2.80E-13	5.15E-12	Down-regulated
NM_015617	PYGO1	26108	1.58767	1.20344	0.656777	0.418948	-1.0953	0.0001785	0.0010859	Down-regulated
NM_001321265	MBOAT2	129642	1.50224	0.377871	0.203295	0.154899	-1.0956	0.0026675	0.0119306	Down-regulated
NM_019099	FAM1212B	55924	6.55998	6.21254	3.32766	2.24478	-1.0968	3.19E-08	3.56E-07	Down-regulated
NM_144732	HNRNPUL1	11100	11.0726	4.64768	3.44957	1.98435	-1.0999	0.0007799	0.004113	Down-regulated
NM_000465	BARD1	580	1.16937	1.25627	0.486661	0.42318	-1.1006	0.0002723	0.0015927	Down-regulated
NM_144497	AKAP12	9590	4.82903	5.28821	2.51047	2.01876	-1.1026	6.51E-13	1.16E-11	Down-regulated
NR_024251	FAM86JP	1E+08	2.36217	2.35239	0.829577	0.537743	-1.1049	0.0017268	0.0082053	Down-regulated
NR_033953	P2RX7	5027	4.69748	4.49606	1.83267	2.12423	-1.1074	7.09E-08	7.62E-07	Down-regulated
NM_001031740	MANEAL	149175	5.15659	5.3468	1.91314	2.43625	-1.1077	4.15E-06	3.50E-05	Down-regulated
NM_001286436	NME4	4833	9.51351	11.1767	4.64658	3.51939	-1.1079	5.83E-05	0.0003933	Down-regulated
NM_001297705	ADGRL2	23266	0.981802	1.59029	0.42903	0.470682	-1.1099	0.0005448	0.0029698	Down-regulated
NM_015925	LSR	51599	2.71683	2.35214	0.514747	0.970274	-1.1124	0.0015841	0.0076124	Down-regulated
NM_002895	RBL1	5933	3.44463	3.7057	1.78337	1.20678	-1.1166	8.86E-07	8.29E-06	Down-regulated
NM_001321746	FAM168B	130074	1.55595	1.04631	0.476455	0.413043	-1.1194	0.0005478	0.0029846	Down-regulated
NM_012210	TRIM32	22954	3.73985	3.18555	1.1046	1.61763	-1.124	3.04E-05	0.0002172	Down-regulated
NM_001105208	LAMA4	3910	9.38564	11.8639	1.40033	3.6359	-1.1245	0.0019459	0.0090817	Down-regulated
NM_000326	RLBP1	6017	13.4443	14.5605	6.44538	5.6536	-1.1253	4.69E-10	6.46E-09	Down-regulated
NM_001318908	TCF19	6941	2.96965	1.9363	0.567318	0.974087	-1.1286	0.0009057	0.0046925	Down-regulated
NM_001345876	PIIP5K2	23262	1.09997	1.16785	0.342722	0.493191	-1.1296	0.00014	0.0008757	Down-regulated
NM_004809	STOML1	9399	6.03214	3.29219	1.77639	0.985943	-1.1321	0.0010982	0.0055439	Down-regulated
NM_024053	CENPM	79019	15.3365	13.9477	5.94943	5.72693	-1.1349	5.80E-06	4.79E-05	Down-regulated
NM_014321	ORC6	23594	19.6364	18.2202	8.45623	7.99214	-1.1359	3.63E-13	6.62E-12	Down-regulated
NM_006574	CSPG5	10675	3.58515	3.2978	1.18636	1.31104	-1.1363	0.0001615	0.0009935	Down-regulated
NM_001323352	ST3GAL6	10402	6.92697	10.0126	2.8151	4.01957	-1.137	2.95E-06	2.54E-05	Down-regulated
NM_001098272	HMGCS1	3157	24.932	25.4214	11.6418	10.9791	-1.1382	1.02E-61	1.15E-59	Down-regulated
NM_002482	NASP	4678	16.5259	17.4554	7.46896	7.62913	-1.1385	2.26E-26	9.59E-25	Down-regulated
NM_001129765	hid dehydroge	50814	5.99826	3.25113	1.55303	1.08469	-1.1389	0.0011468	0.0057557	Down-regulated
NM_001323685	NRSN2	80023	8.13356	5.87038	3.1338	2.18979	-1.1409	4.19E-05	0.0002907	Down-regulated
NM_020242	KIF15	56992	3.61578	4.18176	1.56818	1.71736	-1.1446	8.29E-09	9.90E-08	Down-regulated
NM_032456	PCDH7	5099	1.94175	1.9887	0.880777	0.546244	-1.1508	0.0001145	0.0007292	Down-regulated
NM_001258366	DIAPH3	81624	2.68594	2.57762	0.426103	1.16826	-1.1528	0.0007516	0.0039746	Down-regulated
NM_015245	ANKS1A	23294	27.833	29.6371	13.3883	12.0908	-1.1547	8.70E-51	8.03E-49	Down-regulated
NM_001144961	NFKBIL1	4795	4.35379	2.94213	0.788994	0.172802	-1.1564	0.0014078	0.0069006	Down-regulated
NM_138555	KIF23	9493	12.5127	11.7477	5.54011	4.98955	-1.1602	4.66E-20	1.39E-18	Down-regulated
NM_001167912	VEPH1	79674	5.13718	5.96992	2.03286	2.56023	-1.1627	8.06E-09	9.66E-08	Down-regulated
NM_001948	DUT	1854	20.118	18.5524	8.10018	8.49911	-1.1657	4.11E-16	9.35E-15	Down-regulated
NM_032336	GINS4	84296	11.0491	10.9044	4.72809	4.79543	-1.1659	2.78E-22	9.20E-21	Down-regulated
NM_001184960	SH3KBP1	30011	5.96363	5.53154	2.29898	2.52886	-1.168	4.17E-11	6.35E-10	Down-regulated
NM_001786	CDK1	983	32.1637	28.882	12.2948	14.0404	-1.1687	1.13E-19	3.26E-18	Down-regulated
NM_198468	MMS22L	253714	1.52332	1.60492	0.633468	0.633939	-1.169	7.63E-08	8.16E-07	Down-regulated
NM_001003940	BMF	90427	4.1639	3.63175	1.08697	1.85516	-1.1698	1.50E-05	0.0001138	Down-regulated
NM_001287385	FAM72C	554282	2.58764	2.96837	0.914927	0.959693	-1.1708	0.0002109	0.0012649	Down-regulated
NM_080668	CDCA5	113130	20.8808	21.3432	9.2787	9.04799	-1.1708	2.00E-27	8.80E-26	Down-regulated
NR_026980	FRG2DP	146481	17.4307	17.2545	7.21082	7.55731	-1.1751	2.99E-15	6.47E-14	Down-regulated
NM_001113378	FANCI	55215	19.217	18.1246	8.58016	7.64641	-1.1753	7.36E-34	4.05E-32	Down-regulated



NM_001018115	FANCD2	2177	7.93471	7.15867	3.36235	3.08561	-1.1766	1.28E-17	3.23E-16	Down-regulated
NM_001254	CDC6	990	25.4853	24.9001	11.3399	10.5403	-1.177	1.24E-36	7.32E-35	Down-regulated
NM_006917	RXRG	6258	15.7012	15.2197	6.4564	6.7189	-1.1778	8.06E-17	1.93E-15	Down-regulated
NM_001282206	SIGMAR1	10280	3.90269	3.06481	0.231649	0.934026	-1.1786	0.0012366	0.0061549	Down-regulated
NM_005891	ACAT2	39	129.392	118.863	52.4655	55.7063	-1.1789	8.97E-55	8.92E-53	Down-regulated
NM_014392	NSG1	27065	4.44902	4.5535	1.9178	1.50085	-1.18	8.97E-06	7.13E-05	Down-regulated
NM_001922	DCT	1638	34.155	35.3858	15.7728	14.5576	-1.1805	1.69E-62	1.97E-60	Down-regulated
NM_001313982	CDK11A	728642	1.86009	1.22796	0.215898	0.446259	-1.1824	0.0011429	0.0057406	Down-regulated
NM_182649	PCNA	5111	51.6824	48.486	19.2435	23.3533	-1.1838	6.60E-19	1.80E-17	Down-regulated
NM_007229	PACSIN2	11252	13.168	14.0587	4.84245	6.49082	-1.1856	2.14E-12	3.62E-11	Down-regulated
NM_001127197	ELF4	2000	0.915409	3.42287	0.494378	0.286265	-1.1856	0.0011684	0.0058566	Down-regulated
NM_004111	FEN1	2237	25.4605	27.0693	10.9848	11.5465	-1.186	9.55E-28	4.26E-26	Down-regulated
NM_001329559	TIMM50	92609	0.853165	1.21113	0.285957	0.327523	-1.186	0.0004422	0.0024671	Down-regulated
NM_001010853	PM20D2	135293	4.46422	4.34484	1.70352	1.93178	-1.1862	8.31E-11	1.24E-09	Down-regulated
NM_001317184	CDH1	999	0.1627741	0.120883	0.0512214	0.0733264	-1.1874	3.23E-07	2.84E-36	Down-regulated
NM_173214	NFAT5	10725	2.20246	1.93453	0.823243	0.90732	-1.1879	4.27E-13	7.74E-12	Down-regulated
NM_183236	SHCBP1	79801	18.0267	18.8542	8.3472	7.41016	-1.1911	1.16E-25	4.68E-24	Down-regulated
NM_001167607	GM2A	2760	1.36854	1.2837	0.435145	0.259429	-1.1921	0.0007675	0.0040531	Down-regulated
NM_002388	MCM3	4172	32.0231	31.4467	14.3037	13.0352	-1.1933	7.47E-45	5.76E-43	Down-regulated
NM_013261	PPARGC1A	10891	1.68023	1.89437	0.748058	0.606843	-1.1955	2.66E-06	2.31E-05	Down-regulated
NM_001771	CD22	933	12.176	12.3779	5.87391	4.14817	-1.1974	1.24E-10	1.82E-09	Down-regulated
NM_005915	MCM6	4175	20.209	19.9734	8.81292	8.42031	-1.1977	1.22E-40	8.26E-39	Down-regulated
NM_021958	HLX	3142	8.47463	8.613	3.55612	3.39699	-1.1988	2.80E-10	3.96E-09	Down-regulated
NM_183236	RAB27A	5873	6.40087	6.46297	3.04026	1.9243	-1.1994	7.04E-07	6.67E-06	Down-regulated
NM_145117	NAV2	89797	9.43765	11.4004	4.95198	3.73285	-1.2	3.56E-15	7.68E-14	Down-regulated
NM_001018136	NME1-NME2	654364	7.82664	7.1076	0	0.675667	-1.2016	0.0005383	0.0029363	Down-regulated
NR_040046	LINC01531	1E+08	14.9664	13.3053	6.14504	5.72046	-1.2032	4.37E-20	1.31E-18	Down-regulated
NM_001290043	TAP2	6891	5.75773	4.03375	2.26984	1.03088	-1.211	7.22E-05	0.0004786	Down-regulated
NM_001017420	ESCO2	157570	3.12832	3.34927	1.34927	0.990358	-1.2128	9.28E-06	7.36E-05	Down-regulated
NM_002915	RFC3	5983	13.5689	12.6681	5.26306	5.58409	-1.2133	8.95E-16	2.01E-14	Down-regulated
NM_152308	RMI2	116028	21.9256	23.9365	9.7466	9.09225	-1.2135	1.14E-14	2.36E-13	Down-regulated
NM_001798	CDK2	1017	113.507	115.285	47.9089	49.8628	-1.2141	9.97E-118	2.57E-115	Down-regulated
NM_000234	LIG1	3978	10.3358	13.3042	3.75052	5.51211	-1.2145	2.29E-08	2.61E-07	Down-regulated
NM_145061	SKA3	221150	5.9999	5.14859	2.09777	2.2512	-1.2169	2.30E-08	2.62E-07	Down-regulated
NM_005983	SKP2	6502	5.99389	6.33755	2.62823	2.61508	-1.2177	1.41E-11	2.22E-10	Down-regulated
NM_015068	PEG10	23089	9.68773	10.3528	4.71407	3.52088	-1.2188	1.79E-15	3.96E-14	Down-regulated
NM_000946	subunit 1 (PI	5557	11.9589	11.1754	4.55807	4.41609	-1.2217	1.56E-08	1.81E-07	Down-regulated
NM_003633	ENC1	8507	8.38355	10.0052	3.69104	3.89807	-1.2235	1.39E-18	3.71E-17	Down-regulated
NM_020447	FAM219B	57184	3.13702	2.90675	0.331914	1.08892	-1.2284	0.0006137	0.0033056	Down-regulated
NM_001311345	HPS1	3257	4.70339	3.79355	1.82943	0.768905	-1.2295	0.0001634	0.0010041	Down-regulated
NM_0058179	PSAT1	29968	54.7701	56.815	24.5146	22.2759	-1.2323	5.43E-51	5.09E-49	Down-regulated
NM_199420	POLQ	10721	1.97948	2.24572	0.745181	0.901606	-1.2325	3.20E-09	4.01E-08	Down-regulated
NM_001318710	KIFC3	3801	6.44698	7.12936	1.66475	3.12477	-1.2366	7.56E-06	6.10E-05	Down-regulated
NM_001080491	USP6NL	9712	3.02274	3.25125	1.34438	0.964294	-1.24	7.82E-07	7.38E-06	Down-regulated
NM_021067	GINS1	9837	5.59295	6.87381	2.45059	2.38984	-1.241	1.44E-09	1.88E-08	Down-regulated
NM_001281710	NCAPH	23397	1.96745	2.96997	0.914457	0.839196	-1.2437	3.76E-06	3.20E-05	Down-regulated
NM_001130528	SPAG9	9043	4.28473	4.46057	2.03908	1.34799	-1.2441	1.56E-09	2.02E-08	Down-regulated
NM_001145966	MKI67	4288	6.91789	6.19469	2.10888	3.08928	-1.246	1.52E-12	2.61E-11	Down-regulated
NM_001146103	nerase family	83666	2.93579	2.55739	0.737718	1.05946	-1.2527	2.94E-05	0.0002108	Down-regulated
NR_028370	PCNA-AS1	1E+08	232.991	209.98	87.1302	86.0229	-1.2569	1.00E-12	1.75E-11	Down-regulated
NM_020675	SPC25	57405	16.2178	16.7236	6.96147	5.69123	-1.2577	6.20E-10	8.38E-09	Down-regulated
NM_002997	SDC1	6382	23.5437	20.663	9.93899	7.70334	-1.2614	4.60E-17	1.11E-15	Down-regulated
NM_145018	DDIAS	220042	3.50078	3.68562	1.35268	1.31263	-1.2621	5.88E-08	6.38E-07	Down-regulated
NM_032712	C19orf48	84798	50.6577	46.7765	20.4052	19.1726	-1.2629	7.07E-31	3.49E-29	Down-regulated
NM_017512	ENOSF1	55556	6.76583	8.14252	2.85552	3.01638	-1.2761	1.31E-16	3.08E-15	Down-regulated
NM_018248	NEIL3	55247	2.81066	2.86703	0.816465	0.94202	-1.2776	4.59E-05	0.0003162	Down-regulated
NM_032525	TUBB6	84617	0.873665	5.21476	0	0	-1.2783	0.0001593	0.000982	Down-regulated
NR_026765	LINC00589	619351	3.62142	4.25352	1.0886	0.896315	-1.2825	0.0002217	0.0013215	Down-regulated
NM_001304476	STXBP6	29091	8.03212	7.42069	2.80175	3.24418	-1.283	1.17E-16	2.75E-15	Down-regulated
NM_024094	DSSC1	79075	5.42295	5.51731	1.71353	2.14267	-1.2906	3.39E-07	3.35E-06	Down-regulated
NM_004153	ORC1	4998	5.18296	5.08931	1.91635	1.90366	-1.2927	4.04E-10	5.61E-09	Down-regulated
NM_003579	revisiae)(RAI	8438	4.71886	5.14457	2.02328	1.48941	-1.299	7.02E-08	7.55E-07	Down-regulated
NM_001163812	TWNK	56652	3.4335	4.49211	1.41515	1.36708	-1.3037	1.44E-07	1.50E-06	Down-regulated
NM_013432	TONSL	4796	18.6321	18.6125	7.8258	6.95836	-1.3045	8.79E-42	6.22E-40	Down-regulated
NM_001323364	ST3GAL6	10402	0.49842	2.7329	0.00275766	0.00146385	-1.3055	0.0001231	0.000778	Down-regulated
NM_006739	MCM5	4174	32.9334	32.2314	12.6379	13.1835	-1.3097	1.15E-48	9.98E-47	Down-regulated
NM_001306082	STK32B	55351	2.54221	2.8647	0.468809	0.989476	-1.3226	7.38E-05	0.000488	Down-regulated
NM_145026	SPATS1	221409	11.5574	11.3371	4.35098	2.36133	-1.3228	2.80E-05	0.000202	Down-regulated
NM_173088	CAPN3	825	15.6741	11.3722	4.12785	5.20009	-1.3298	5.16E-08	5.64E-07	Down-regulated
NM_001318864	IL17RD	54756	0.194589	1.03261	0.00055264	8.83E-05	-1.332	9.51E-05	0.0006152	Down-regulated
NM_001271816	DCLRE1A	9937	2.54365	2.70577	0.417416	0.966586	-1.3425	5.85E-05	0.0003943	Down-regulated
NM_006444	SMC2	10592	2.70799	3.49431	1.25153	0.668097	-1.3426	4.79E-06	4.01E-05	Down-regulated
NM_001286409	isophila)(SCN	256380	10.8149	10.3828	3.70618	4.33034	-1.3433	1.33E-22	4.46E-21	Down-regulated
NM_024629	CENPU	79682	16.0515	16.0747	5.44604	6.59907	-1.3489	7.78E-20	2.27E-18	Down-regulated
NM_002875	RAD51	5888	6.71491	6.0982	2.01138	2.34793	-1.3644	5.99E-09	7.31E-08	Down-regulated
NM_001034915	ESRP1	54845	2.0589	1.5354	0.552752	0.323359	-1.3679	5.94E-05	0.0003995	Down-regulated
NM_173090	CAPN3	825	34.6509	32.542	13.7449	10.7787	-1.3688	2.61E-16	6.03E-15	Down-regulated
NM_018154	ASF1B	55723	25.242	25.2407	8.81197	9.91054	-1.3729	6.57E-24	2.38E-22	Down-regulated
NM_003504	CDC45	8318	15.0368	13.9462	3.89522	5.99693	-1.3735	1.72E-09	2.21E-08	Down-regulated
NM_014109	ATAD2	29028	8.54502	8.65116	3.40202	3.01129	-1.3754	9.75E-29	4.50E-27	Down-regulated
NM_001322303	CNIH3	149111	21.6256	6.41795	2.77328	3.45035	-1.3821	7.61E-05	0.0005014	Down-regulated
NM_004526	MCM2	4171	27.5097	28.4807	10.3768	10.3894	-1.4074	9.38E-66	1.18E-63	Down-regulated
NM_139057	ADAMTS17	170691	1.87911	1.76734	0.54022	0.630622	-1.4078	1.77E-08	2.04E-07	Down-regulated
NM_024900	JADE1	79960	1.93177	1.44183	0.404869	0.48092	-1.4095	1.15E-05	8.98E-05	Down-regulated

NM_022111	CLSPN	63967	3.2558	3.25145	0.426497	1.2386	-1.4175	1.36E-05	0.0001041	Down-regulated
NM_005916	MCM7	4176	123.517	125.419	48.0047	44.2845	-1.4176	3.51E-144	1.32E-141	Down-regulated
NM_001330490	CLSPN	63967	2.92454	3.63693	1.1459	0.956126	-1.4316	3.08E-09	3.87E-08	Down-regulated
NM_138463	TLCD1	116238	12.9507	14.2742	3.82224	4.42524	-1.4504	4.32E-08	4.77E-07	Down-regulated
NM_182746	MCM4	4173	29.0981	29.2908	10.6786	10.3362	-1.4562	2.18E-102	4.78E-100	Down-regulated
NM_001243089	FOXM1	2305	5.29791	6.22654	0.95094	2.11353	-1.4567	2.60E-06	2.26E-05	Down-regulated
NM_005328	HAS2	3037	7.15388	7.28384	2.58092	2.28141	-1.4628	4.73E-16	1.07E-14	Down-regulated
NM_001256834	AURKB	9212	31.1498	30.062	10.6902	10.3743	-1.4665	1.77E-22	5.90E-21	Down-regulated
NM_016831	PER3	8863	1.12207	1.28296	0.292136	0.343893	-1.4726	1.27E-06	1.16E-05	Down-regulated
NM_005441	CHAF1B	8208	10.1584	9.53192	3.58323	2.81624	-1.4768	7.39E-13	1.31E-11	Down-regulated
NM_004203	PKMYT1	9088	31.4363	28.1191	11.0046	9.58068	-1.4778	1.87E-30	9.07E-29	Down-regulated
NM_004817	TJP2	9414	4.88623	4.66144	1.53782	1.88311	-1.4808	6.22E-06	5.10E-05	Down-regulated
NM_182513	SPC24	147841	5.49869	5.18887	1.29509	1.77557	-1.4951	3.11E-08	3.48E-07	Down-regulated
NM_001308	CPN1	1369	7.43961	7.34503	2.15567	2.24815	-1.5011	1.76E-09	2.26E-08	Down-regulated
NM_014736	KIAA0101	9768	53.0069	46.1831	16.8533	16.8968	-1.5051	1.46E-35	8.33E-34	Down-regulated
NM_014364	GAPDHS	26330	7.97344	6.31516	2.05497	1.73989	-1.516	2.69E-07	2.69E-06	Down-regulated
NM_018518	MCM10	55388	2.08906	2.64093	0.733149	0.443589	-1.5246	8.95E-07	8.37E-06	Down-regulated
NM_001190821	SMAD7	4092	3.57699	0.74981	0.00057978	0.00024058	-1.5326	1.16E-05	9.02E-05	Down-regulated
NM_194317	LYPD6	130574	2.0209	2.74347	0.514438	0.675644	-1.5355	4.45E-07	4.33E-06	Down-regulated
NM_001166357	SHMT2	6472	3.43511	2.22211	0.275821	0.576388	-1.5488	1.67E-05	0.0001257	Down-regulated
NM_145810	CDCA7	83879	8.67134	7.95834	2.52094	2.64467	-1.5525	1.06E-15	2.37E-14	Down-regulated
NM_018063	HELLS	3070	1.85705	2.51025	0.522373	0.275423	-1.5546	8.98E-06	7.13E-05	Down-regulated
NM_001346507	M_00134650	NA	4.31754	2.17138	0.60153	0.95342	-1.559	5.77E-07	5.54E-06	Down-regulated
NM_016095	GINS2	51659	23.2681	18.8359	7.1607	4.8117	-1.5639	4.76E-10	6.54E-09	Down-regulated
NM_030928	CDT1	81620	13.4272	12.5701	4.09743	4.17184	-1.5746	3.35E-26	1.40E-24	Down-regulated
NM_024908	WDR76	79968	2.60082	2.22032	0.585412	0.658999	-1.5786	2.52E-08	2.86E-07	Down-regulated
NM_001071	TYMS	7298	39.3842	38.8335	12.4852	12.8615	-1.5793	5.42E-45	4.21E-43	Down-regulated
NM_030629	CMIP	80790	0.561498	2.48231	0.0255549	0.0338366	-1.5859	8.52E-06	6.80E-05	Down-regulated
NM_014573	TMEM97	27346	28.0879	28.0201	9.74024	8.18324	-1.5959	8.25E-41	5.65E-39	Down-regulated
NM_130398	EXO1	9156	3.8096	4.39967	0.697249	1.28408	-1.603	9.83E-08	1.04E-06	Down-regulated
NM_182751	MCM10	55388	1.75754	1.61458	0.293239	0.442443	-1.6188	3.82E-07	3.75E-06	Down-regulated
NM_001080114	LDB3	11155	3.70159	3.20795	0.98938	0.995472	-1.6201	9.32E-14	1.79E-12	Down-regulated
NM_001319224	EXO1	9156	3.63976	4.01456	0.859854	1.15175	-1.6232	8.23E-10	1.10E-08	Down-regulated
NM_001328675	SV2A	9900	1.6528	1.56921	0.339429	0.125195	-1.6238	5.67E-06	4.70E-05	Down-regulated
NM_001100119	XRCC3	7517	7.50838	4.28949	1.08557	1.54903	-1.6322	1.63E-07	1.69E-06	Down-regulated
NM_153695	ZNF367	195828	3.34065	3.28814	0.893125	0.829201	-1.6631	3.26E-11	5.01E-10	Down-regulated
NM_001330360	POLA1	5422	5.29619	3.81727	1.28775	1.20964	-1.6668	6.07E-14	1.19E-12	Down-regulated
NM_001128209	SGCD	6444	0.995617	0.250936	6.18E-05	7.51E-05	-1.6688	2.42E-06	2.12E-05	Down-regulated
NM_007078	LDB3	11155	2.70814	2.80861	0.76471	0.72621	-1.6729	2.35E-13	4.37E-12	Down-regulated
NM_001015887	IGSF11	152404	6.41693	6.46389	1.88537	1.80131	-1.674	2.80E-19	7.94E-18	Down-regulated
NM_001330295	TIMELESS	8914	4.56375	4.92773	1.3448	1.38474	-1.6769	3.23E-21	1.02E-19	Down-regulated
NM_033625	RPL34	6164	7.68827	7.86825	0.473598	1.29339	-1.6814	3.37E-06	2.88E-05	Down-regulated
NM_139278	LGB3	203190	7.41736	7.13906	1.98984	2.14748	-1.6851	2.51E-20	7.58E-19	Down-regulated
NM_016448	DTL	51514	7.59247	6.63925	1.74254	2.21484	-1.7146	1.21E-20	3.73E-19	Down-regulated
NM_005225	E2F1	1869	16.1249	17.5269	4.79439	4.82398	-1.7358	2.33E-37	1.42E-35	Down-regulated
NM_004091	E2F2	1870	1.76237	1.93403	0.445691	0.384828	-1.7433	9.66E-10	1.28E-08	Down-regulated
NM_001789	CDC25A	993	12.5883	11.33	3.07757	3.62577	-1.7479	3.34E-31	1.68E-29	Down-regulated
NM_198947	FAM111B	374393	3.31426	3.78684	0.826588	0.887682	-1.7483	1.07E-11	1.70E-10	Down-regulated
NM_001079855	YG2	8908	18.2101	18.1097	4.81517	5.10208	-1.819	2.79E-58	2.96E-56	Down-regulated
NM_002466	MYBL2	4605	48.823	48.1421	13.1392	13.4633	-1.8411	2.62E-134	9.09E-132	Down-regulated
NM_001256575	ENC1	8507	1.46674	1.09119	0.216889	0.202461	-1.8436	1.93E-08	2.21E-07	Down-regulated
NM_014791	MELK	9833	5.86048	6.6733	1.39085	1.47756	-1.8536	1.41E-14	2.90E-13	Down-regulated
NM_207292	MBNL1	4154	0.488575	1.5778	0.00020123	0	-1.8575	2.24E-07	2.27E-06	Down-regulated
NM_057749	CCNE2	9134	4.28367	3.30091	0.68435	0.773932	-1.8687	4.06E-10	5.63E-09	Down-regulated
NM_022062	PKNOX2	63876	3.40068	3.82419	0.635144	0.868152	-1.8785	2.76E-12	4.61E-11	Down-regulated
NM_001164178	ENTPD1	953	1.42183	1.43889	0.332262	0.342086	-1.8962	7.06E-20	2.07E-18	Down-regulated
NM_018027	FRMD4A	55691	1.75979	0.456874	0.00086254	0.00043584	-1.9027	1.18E-07	1.24E-06	Down-regulated
NM_001048201	UHRF1	29128	9.58065	8.217	2.25257	0.904364	-1.9256	2.34E-10	3.34E-09	Down-regulated
NR_130968	IQCK	124152	3.29289	3.74468	0.782124	0.545788	-1.9343	1.35E-11	2.13E-10	Down-regulated
NM_080911	UNG	7374	11.6338	16.0041	2.60621	3.19322	-1.9786	3.04E-17	7.46E-16	Down-regulated
NM_021644	HNRNPH3	3189	15.7054	18.3076	3.0446	4.42745	-1.987	1.19E-21	3.82E-20	Down-regulated
NM_001202429	ASB2	51676	18.6106	18.2126	4.17704	4.33098	-2.0398	2.64E-57	2.74E-55	Down-regulated
NM_001034	RRM2	6241	25.4822	24.0771	4.12471	6.17191	-2.1197	5.00E-33	2.67E-31	Down-regulated
NR_104038	INO80	54617	1.47283	0.556163	8.11E-05	0.00010005	-2.1277	4.60E-09	5.69E-08	Down-regulated
NR_033194	ZFAND1	79752	4.87163	5.25173	0.484863	0.768937	-2.268	3.63E-13	6.62E-12	Down-regulated
NM_175610	TJP1	7082	2.26555	2.60737	0.39958	0.59847	-2.2876	0.006636	0.026126	Down-regulated
NM_001127641	LAMB3	3914	2.43203	1.28271	0.00799429	0.075849	-2.3423	1.32E-10	1.92E-09	Down-regulated
NM_198269	HIPK1	204851	1.56789	0.600302	0.00163682	0.00923799	-2.3682	8.71E-11	1.29E-09	Down-regulated
NM_007297	BRCA1	672	0.597477	0.855146	4.93E-05	2.94E-05	-2.498	7.92E-12	1.28E-10	Down-regulated
NM_001142502	PPP1R13L	10848	1.71917	1.68187	0	0	-2.6178	7.21E-13	1.28E-11	Down-regulated
NM_012301	MAGI2	9863	0.919358	1.28548	0.00046551	0.00050663	-3.2068	5.00E-19	1.38E-17	Down-regulated
NM_001318731	DNMT1	1786	1.66973	2.06366	0.0286085	0.00217478	-3.5156	4.95E-24	1.82E-22	Down-regulated
NM_001304385	LSMEM2	132228	7.70324	6.28423	0.00698125	0.00117211	-3.6052	1.67E-24	6.36E-23	Down-regulated
NM_198158	MITF	4286	21.643	20.1452	1.28263	0.965214	-4.0378	1.74E-169	8.54E-167	Down-regulated
NM_001300850	RC3H1	149041	1.48628	1.12052	0.00905856	0.0003777	-4.255	3.57E-37	2.17E-35	Down-regulated
NM_001197104	KMT2A	4297	1.3016	0.787526	0.00080548	0.00162733	-4.3909	7.03E-38	4.33E-36	Down-regulated
NM_032373	PCGF5	84333	2.44783	2.09267	0.00677792	0.00243687	-4.6409	5.54E-46	4.43E-44	Down-regulated