

ProbeId	Gid	Accession	Symbol	Diff	Fold change	Ttest_p_value
2370524	26051242	NM_007115.2	TNFAIP6	-189.5036814	-2.042699099	1.09E-06
510450	29789089	NM_018715.1	RCC2	88.67276932	1.267465318	1.24E-05
4760543	34335248	NM_153719.2	NUP62	118.4147225	1.307105002	1.39E-05
7550537	4502098	NM_001152.1	SLC25A5	326.6719362	1.197818187	1.44E-05
6270128	58331233	NM_000074.2	CD40LG	19.30987052	1.299106772	1.76E-05
2630484	88986422	XM_927593.1	ATP10B	-3.310535431	-1.078587107	1.93E-05
520332	22165415	NM_000155.2	GALT	15.96763751	1.182575744	2.05E-05
4900053	17978510	NM_014281.3	SIAHBP1	189.9410753	1.323848811	2.21E-05
4730195	21264599	NM_003543.3	HIST1H4H	-35.48000424	-1.386734739	2.49E-05
4280332	14251213	NM_020414.3	DDX24	75.4163163	1.309570343	3.02E-05
1110215	14149679	NM_015292.1	FAM62A	222.9573258	1.428150347	3.25E-05
670041	50477326	CR596519		548.9905075	1.522206107	3.32E-05
650164	4503240	NM_000896.1	CYP4F3	-315.5464725	-1.429419775	3.55E-05
3460674	47419935	NM_003137.3	SRPK1	-139.764433	-1.440777018	3.60E-05
1820598	12545398	NM_000873.2	ICAM2	182.5185371	1.351682752	3.89E-05
6960746	55774984	NM_018384.3	GIMAP5	223.2919717	1.382086438	4.02E-05
3120301	51173749	NM_031488.4	L3MBTL2	23.21749718	1.214091824	4.02E-05
3360364	7662339	NM_014941.1	MORC2	54.87417822	1.317774309	4.03E-05
6110768	39725714	NM_004044.4	ATIC	72.99433158	1.297103547	4.63E-05
3990639	36748	X00437		771.7174513	1.555765766	4.83E-05
7150634	5902011	NM_006901.1	MYO9A	15.79647532	1.176790608	4.89E-05
6590386	20149679	NM_024619.2	FN3KRP	63.48415847	1.276544672	4.98E-05
5690037	31543829	NM_013270.2	TSP50	-4.520475047	-1.093650977	5.40E-05
1780348	70908369	NM_018285.2	IMP3	148.6064801	1.240632612	5.80E-05
450037	55925577	NM_002348.2	LY9	64.18668944	1.337080038	7.31E-05
4540082	58331160	NM_015651.1	PHF19	27.47614989	1.23686341	7.56E-05
6380598	15529981	NM_033416.1	IMP4	34.49530681	1.205303684	7.96E-05
3520192	47132578	NM_004401.2	DFFA	13.05479272	1.196479136	7.97E-05
7380288	34147585	NM_016237.3	ANAPC5	91.54539975	1.176438251	8.97E-05
2450497	314309	T03068		2.937619578	1.076034692	9.15E-05
6980070	13929470	NM_004776.2	B4GALT5	-121.2712825	-1.387482292	9.61E-05
5390131	33469915	NM_003906.3	MCM3AP	32.02638688	1.143678564	0.000106053
1240603	34452172	NM_000887.3	ITGAX	-22.98226817	-1.222173081	0.000107483
5900156	57013275	NM_006082.2	K-ALPHA-1	543.1415197	1.219305455	0.000108016
2190673	41281472	NM_014738.2	KIAA0195	45.96224495	1.262020095	0.000110774
2690609	62526019	NM_001014433.2	CUTA	223.2296564	1.301630178	0.000120692
1580348	25141321	NM_015039.2	NMNAT2	6.84304916	1.124383533	0.000120767
4220138	89057421	XM_940198.1	LOC651076	10.13757955	1.165397115	0.000128251
4850192	51036597	NM_006725.2	CD6	216.5093624	1.520125461	0.000132444
6480500	24797073	NM_033554.2	HLA-DPA1	588.5023681	1.477667953	0.000133302
7100136	41352720	NM_078483.2	SLC36A1	-133.4968039	-1.427691893	0.000133553
3610504	38788307	NM_005476.3	GNE	18.30602894	1.161672234	0.000133964
2630451	22027639	NM_003528.2	HIST2H2BE	-106.9694117	-1.398553482	0.000134858
3520082	4506752	NM_003707.1	RUVBL1	11.02056207	1.158636454	0.000135201
7160296	70980548	NM_014976.1	PDCD11	21.33989507	1.221159345	0.000135859
1050128	8515897	AF272739		5.425986954	1.113600395	0.000136921
4730577	39890659	CK300859		-3.693681288	-1.089073255	0.000137667
6280754	18426908	NM_080816.1	SIRPB2	30.07920138	1.308367153	0.000139409
5960035	24850108	NM_170699.1	GPBAR1	100.9412072	1.463343623	0.00015651
5910091	30425443	NM_178510.1	ANKK1	2.967139784	1.069192658	0.000157493
1430292	40254427	NM_000578.2	SLC11A1	-53.76208405	-1.426845286	0.000167687
4210647	13375800	NM_024600.1	C16orf30	31.66193318	1.346066522	0.000170914
3460189	31652246	NM_139244.2	STXBP5	-30.43225917	-1.285955466	0.000172103
3140093	47717138	NM_006767.2	LZTR1	65.30433309	1.271997612	0.000186989
5700403	31982913	NM_032118.2	WDR54	67.77289263	1.331399486	0.000188678
160132	59938769	NM_182898.2	CREB5	-262.1114924	-1.445071565	0.00019583
460754	47078254	NM_212530.1	CDC25B	218.4805426	1.466578356	0.000195968
1440601	28872781	NM_016408.2	CDK5RAP1	25.2613611	1.174006584	0.000202701
3830390	89035828	XM_930898.1	KIAA0692	-2.717873701	-1.079778284	0.000205305
5860196	23659890	BU733214		-2.809152673	-1.07025823	0.000218212
3420735	40556369	NM_015288.4	PHF15	69.78943303	1.295589549	0.000222283
7050543	32967306	NM_182480.1	COQ6	13.29427898	1.129169056	0.000225323
6270021	14141153	NM_031203.1	HNRPM	175.5084406	1.233305528	0.00023295
5290289	34147412	NM_032312.2	YIPF4	-50.40343731	-1.306637842	0.000234467
6590523	56119213	NM_024711.3	GIMAP6	61.57201639	1.19443786	0.000236996
1710286	21536460	NM_002405.2	MFNG	186.80371	1.213068636	0.000240549
2630154	56676368	NM_031412.2	GABARAPL1	-174.3602129	-1.301676261	0.000244873
2640609	45827727	NM_005980.2	S100P	-390.18098	-1.598605763	0.000253144

6020402	24497619	NM_014230.2	SRP68	28.09091984	1.155068368	0.000260218
5550746	63029931	NM_152272.2	CHMP7	43.03363654	1.222857885	0.00026052
4060131	4758669	NM_004811.1	LPXN	169.3070648	1.22742049	0.000265747
160736	7706484	NM_016292.1	TRAP1	20.89088823	1.24310651	0.000270249
610563	14141173	NM_002129.2	HMGB2	-47.59152899	-1.553030021	0.000271029
3840022	12707569	NM_004092.2	ECHS1	48.95693214	1.230257197	0.000274708
20647	40807451	NM_015062.3	PPRC1	20.40411099	1.172512955	0.000283424
6290431	49472821	NM_003755.2	EIF3S4	289.038097	1.265068842	0.000284449
3370687	16445420	NM_052837.1	SCAMP3	67.26265306	1.266481175	0.000291089
5310754	55956897	NM_015935.4	KIAA0859	13.16095145	1.140721813	0.000296022
2710397	24497489	NM_003059.2	SLC22A4	-40.49246287	-1.28631942	0.000298583
7320576	4503512	NM_003757.1	EIF3S2	92.09473895	1.176647021	0.000308301
7150017	58331183	NM_006429.2	CCT7	38.59039574	1.316676229	0.000311432
4850541	75750528	NM_016552.2	ANKMY1	2.735334806	1.065736829	0.000317215
6100220	6005951	NM_007255.1	B4GALT7	29.14447929	1.228247363	0.000318886
10541	13194198	NM_023003.1	TM6SF1	-42.63413583	-1.328994185	0.000319057
3170092	52851435	NM_015710.3	GLTSCR2	951.7801905	1.265887651	0.000319621
5720398	31341089	NM_173791.2	PDZD8	-20.13545497	-1.240924613	0.000321296
4540301	45827722	NM_206914.1	KFZP586D0919	11.93196859	1.166543095	0.000322081
2100035	31543661	NM_004226.2	STK17B	-56.28618761	-1.375543946	0.000323173
5090477	20336255	NM_138687.1	PIP5K2B	4.198748845	1.077633516	0.000323344
2680370	52426773	NM_019111.3	HLA-DRA	817.1291554	1.377401879	0.000326414
130403	56550113	NM_006567.2	FARS2	15.61874075	1.144473414	0.000328093
6290561	88998614	XM_936120.1	HLA-DQA1	315.8964785	1.64433008	0.000329596
5390669	5453556	NM_006321.1	ARIH2	43.41521242	1.16984795	0.000330449
2760563	77404351	NM_001414.2	EIF2B1	26.53165567	1.152983904	0.000332202
1440382	33359700	NM_182688.1	UBE2G2	39.95896434	1.258246254	0.000339206
2260446	89027447	XM_935843.1	LOC653832	-3.084729823	-1.078584595	0.000346447
2030544	89026490	XM_936353.1	LOC642196	6.598817511	1.139296555	0.000346604
6940242	13128859	NM_004964.2	HDAC1	149.0464951	1.226649864	0.000355245
1440546	73486657	NM_002080.2	GOT2	48.7873308	1.230560635	0.00035799
5270500	16936531	NM_000075.2	CDK4	39.00645813	1.28126712	0.000367439
5130082	20149593	NM_007355.2	HSP90AB1	101.2393963	1.291963927	0.000372701
2750408	88971019	XM_939707.1	RUVBL1	16.22168355	1.191413103	0.000375432
6980274	16199327	BI915661		3.572189393	1.088541696	0.000376532
4200538	7657121	NM_015721.1	GEMIN4	29.79545919	1.244092425	0.000387475
6550142	6552335	NM_003819.2	PABPC4	43.32832748	1.217948334	0.000387574
7000408	13376877	NM_025263.1	PRR3	10.71405587	1.132753454	0.000391734
3140246	40255000	NM_033111.2	LOC88523	-78.75175311	-1.287078764	0.000391929
4230653	24497586	NM_139247.2	ADCY4	-35.6351327	-1.270463437	0.000397239
5310653	6912575	NM_012387.1	PADI4	-903.4667472	-1.39120355	0.000399258
3420343	46409267	NM_207311.1	CCDC64	30.70426568	1.287470221	0.00040278
4150402	2963496	AA868051		2.919731911	1.06730094	0.000407376
2100333	38683839	NM_198196.1	CD96	51.45503197	1.281782623	0.000407931
4150161	4502676	NM_001779.1	CD58	-48.65350702	-1.342517485	0.000410831
4880364	13129091	NM_024092.1	TMEM109	61.87509923	1.260473608	0.0004333
2230661	20428651	NM_005356.2	LCK	28.15648785	1.240489001	0.000447815
380685	34147607	NM_015953.3	NOSIP	201.9140045	1.2941855	0.00044799
2450343	27828388	BX096685		4.718261846	1.099375057	0.000459923
6840408	2354214	AA576740		2.46572254	1.061515186	0.000464263
7000133	12597634	NM_022898.1	BCL11B	87.76854653	1.366299623	0.000470008
1430762	6005791	NM_007199.1	IRAK3	-155.6188523	-1.621269505	0.000474504
3140039	21314659	NM_016230.2	CYB5R4	-69.25618425	-1.320679261	0.000474673
2900524	41352701	NM_001384.3	DPH2	30.82374927	1.211102665	0.000489612
6480170	52632380	NM_001005333.1	MAGED1	44.33620059	1.280407525	0.000496684
4120133	31542722	NM_022827.2	SPATA20	22.43434012	1.234512657	0.000496736
1170307	23238195	NM_000878.2	IL2RB	146.6316959	1.40578311	0.000500983
1110575	51173716	NM_006720.3	ABLIM1	178.3940667	1.414951976	0.000520001
4780743	4885224	NM_005243.1	EWSR1	65.31825131	1.149756619	0.000520842
7150601	7661785	NM_014165.1	C6orf66	6.495115777	1.112031506	0.000522811
5310050	12232384	NM_022730.1	COPS7B	20.43313854	1.159974145	0.000523392
3130091	46358357	NM_017905.3	TMCO3	-52.34722897	-1.291560219	0.000525503
4860132	7662451	NM_015239.1	AGTPBP1	-78.07936872	-1.251820938	0.000529903
3780689	70608210	NM_016489.11	NTSC3	-33.80520978	-1.29663174	0.000530225
1030692	27436906	NM_004927.2	MRPL49	41.36497592	1.196106353	0.000541915
4830435	39812071	NM_030811.3	MRPS26	24.14041112	1.209465158	0.000546594
3440431	29337284	NM_012110.2	CHIC2	-117.5328049	-1.216145457	0.000549514
4830563	33620778	NM_012321.2	LSM4	46.65393084	1.19050163	0.000557036
3940368	89057924	XM_928933.1	FLJ32154	2.730511524	1.07060656	0.000558628

1980424	13129119	NM_024108.1	TRAPPC6A	30.5100061	1.204130632	0.000560504
3130711	22748936	NM_020750.1	XPO5	12.09222819	1.135424285	0.000572639
620722	4506444	NM_002896.1	RBM4	43.5385138	1.203671935	0.000578613
3400504	66933015	NM_000884.2	IMPDH2	69.11593701	1.25700787	0.000583684
2750521	57634533	NM_015135.1	NUP205	29.42766456	1.221266897	0.000585225
4060056	55749643	NM_015054.1	KIAA0701	-12.83668481	-1.132436687	0.000597219
4640044	21040335	NM_138931.1	BCL6	-5.775066733	-1.123194426	0.00060429
6110537	88967388	XM_931928.1	LOC642816	2.637522553	1.065666772	0.000612974
4640528	13435126	NM_025228.1	TRAF3IP3	75.87438371	1.216408031	0.000615875
5860400	19557649	NM_021052.2	HIST1H2AE	-11.74106542	-1.218947418	0.000618118
3420630	45331203	NM_007181.3	MAP4K1	141.7841323	1.45743426	0.000621345
4180142	51093838	NM_016091.2	EIF3S6IP	296.2042703	1.221453733	0.000621455
6350364	41872408	NM_002704.2	PPBP	-761.2674927	-1.534280038	0.000630226
2760092	34147517	NM_005449.3	FAIM3	201.7565646	1.409529365	0.000634628
990273	34222323	NM_015380.3	SAMM50	47.44338392	1.204119339	0.00063726
3990465	89038158	XM_496059.2	LOC440261	2.890329302	1.065568707	0.000641851
1260228	10863876	NM_021105.1	PLSCR1	-53.52413775	-1.457234006	0.00064387
4860296	42558244	NM_032320.4	BTBD10	-25.33553958	-1.203571466	0.000644443
1300768	24497575	NM_006066.2	AKR1A1	80.92050915	1.237851126	0.000645996
840730	40786401	NM_199337.1	LOC374395	170.1866859	1.178701902	0.000665379
1110358	27469749	BC041984		-5.896873872	-1.109233545	0.000669438
5130767	52352808	NM_005902.3	SMAD3	27.20027806	1.165895949	0.00067007
6980609	40255221	NM_178839.3	LRRTM1	-3.098540364	-1.074788366	0.000677469
2630719	57222567	NM_005937.2	MLLT6	67.91872541	1.270330562	0.000681074
7380274	68509917	NM_007167.2	ZMYM6	52.66472418	1.182129748	0.000687399
6480328	39725684	NM_025150.3	TARSL1	6.593485366	1.123027001	0.000690243
3370605	45237199	NM_020808.1	SIPA1L2	-58.97844017	-1.454432546	0.000697156
5820348	48314819	NM_017570.1	OPLAH	-45.18509526	-1.400708228	0.000703103
130113	56699400	NM_052901.2	SLC25A25	18.42042548	1.167822465	0.000707163
6860243	24430138	NM_015540.2	RPAP1	7.937422972	1.134855062	0.00071637
1400270	20336247	NM_004716.2	PCSK7	94.29387128	1.302793128	0.000716583
5310136	75991708	NM_001033667.1	LY9	33.64428254	1.319047944	0.000716611
5890327	24497579	NM_001628.2	AKR1B1	83.65924065	1.273311325	0.000719704
5900414	5031814	NM_005548.1	KARS	23.41578115	1.134554539	0.000730069
1340338	89041598	XM_377476.3	MGC57346	17.93153367	1.232438001	0.000733975
2850576	68160936	NM_005082.4	TRIM25	-23.69158863	-1.216917513	0.000737703
6960328	75677605	NM_001033515.1	LOC389833	5.635808116	1.113339339	0.000738593
20224	47894448	NM_206967.1	MGC17624	5.464481452	1.099129587	0.000741223
4560463	4290896	AI433683		-4.20815397	-1.088940654	0.000764668
6380148	15431305	NM_033301.1	RPL8	855.395502	1.170817986	0.000768045
5490142	50363239	NM_002685.2	EXOSC10	64.67454838	1.261126978	0.000769548
150632	48762708	NM_022136.3	SAMSN1	-80.93158519	-1.692010385	0.000781956
240653	19603939	BM981444		-2.329460443	-1.056632024	0.000785871
2750070	18375517	NM_001854.2	COL11A1	-3.554107591	-1.070221603	0.000788658
6020575	14249551	NM_032839.1	DIRC2	-35.91490208	-1.218965412	0.000797516
3710189	38201688	NM_002883.2	RANGAP1	65.259255	1.257018161	0.000797921
2710278	52851445	NM_005412.4	SHMT2	65.41415964	1.2526449	0.000800169
360343	17105402	NM_005103.3	FEZ1	12.70533853	1.203271429	0.00082364
4050398	47132594	NM_213611.1	SLC25A3	190.2461506	1.160808106	0.000837252
6940246	292820	M97723		20.54719112	1.328176844	0.000841772
2690576	55953121	NM_015705.4	RUTBC3	14.20156258	1.166207066	0.00084996
5130475	27477087	NM_003853.2	IL18RAP	-632.4410294	-1.712375333	0.000851483
2120681	13376061	NM_024740.1	ALG9	12.03252127	1.167495262	0.000852968
1690189	24234685	NM_153201.1	HSPA8	155.7459284	1.215840724	0.000855179
1410369	41350203	NM_016286.2	DCXR	36.20150781	1.200362836	0.000857671
4850438	39777595	NM_021809.4	TGIF2	16.93614892	1.169575173	0.000858382
7100392	16753208	NM_017481.2	UBQLN3	4.445833834	1.083359837	0.000865917
1340731	21361349	NM_006643.2	SDCCAG3	29.22941312	1.187927522	0.00086772
2450603	32967290	NM_181803.1	UBE2C	-13.65767785	-1.212875537	0.000875883
3390458	25777636	NM_002243.3	KCNJ15	-68.77822725	-1.313720856	0.000892396
1990673	52851448	NM_173659.2	RPUSD3	26.38750171	1.177225317	0.000894737
4150632	21618346	NM_002756.2	MAP2K3	3.058914147	1.065607186	0.000899878
130451	10835100	NM_021078.1	GCN5L2	45.23903059	1.24691539	0.000902329
10338	72534727	NM_001031717.1	CRELD1	22.42405663	1.23243055	0.000913686
1500040	30581134	NM_006306.2	SMC1L1	7.353409474	1.122782283	0.00092398
4590082	17999536	NM_006445.2	PRPF8	125.5348006	1.304518217	0.000927196
730725	40068037	NM_016524.2	SYT17	3.962856298	1.08382056	0.000932685
3800270	4757937	NM_000648.1	CCR2	-2.41229231	-1.064558526	0.000934322
5090204	7661547	NM_015702.1	C2orf25	-79.93887985	-1.186330813	0.000959059

3170468	7706726	NM_016089.1	ZNF589	28.88231896	1.256897786	0.000963048
50164	41281436	NM_014669.2	NUP93	28.51197413	1.174573985	0.000965886
4050411	34222200	NM_153329.2	ALDH16A1	53.51905541	1.260140642	0.000966212
380315	7705725	NM_015959.1	TXNDC14	36.56045278	1.18069957	0.000967375
6650541	70980545	NM_176880.4	TRA16	14.18996137	1.190005746	0.000987075
1440291	14589867	NM_001716.2	BLR1	4.157558649	1.091968062	0.00099509
4880373	27842881	BX096603		10.23388569	1.158997206	0.000998463
2120356	39888074	CK299581		2.430006552	1.065215654	0.001020522
160682	54112120	NM_012426.3	SF3B3	44.15684822	1.219213777	0.001029969
4280047	34577088	NM_183382.1	RNF13	-75.68323448	-1.333056792	0.001037306
3890095	58696421	NM_002304.1	LFNG	232.3486066	1.232868306	0.001042389
1740576	41281526	NM_014871.2	USP52	19.95561799	1.213504932	0.001055174
2480082	35493922	NM_006031.3	PCNT2	29.27063181	1.159621239	0.001070467
6110328	23111065	NM_003645.2	SLC27A2	-4.068829061	-1.082705412	0.001075869
6660056	13743863	BG217842		-33.02507288	-1.299191877	0.001076096
6420541	34535726	AK128384		87.13245532	1.405980431	0.001078556
6770348	19920316	NM_006825.2	CKAP4	-161.4085766	-1.338853259	0.001086179
1500717	73765543	NM_000314.3	PTEN	-65.04739132	-1.242293391	0.001088331
7330487	52485986	NM_002566.4	P2RY11	28.34353619	1.266107577	0.00109239
2510324	7253951	AW578902		-5.837784587	-1.099192756	0.001097496
2760110	31542241	NM_017917.2	C14orf10	-58.83249801	-1.224680424	0.001102809
2000551	10092611	NM_016326.2	CKLF	-325.605478	-1.247443016	0.001103698
3140142	32698741	NM_020925.1	CACHD1	-2.700091737	-1.067483702	0.001113125
6400563	14150188	NM_032369.1	MGC15619	27.91382697	1.187624618	0.001114572
7000768	63003900	NM_017773.2	LAX1	36.42003819	1.258339525	0.001121704
2030450	6912355	NM_012155.1	EML2	42.34533266	1.168946841	0.001122558
3930687	71061448	NM_024326.2	FBXL15	41.8339122	1.225791909	0.00112491
770452	89029874	XM_928878.1	LOC392364	3.076035108	1.070389607	0.001136035
4390615	19924152	NM_138557.1	TLR4	-47.03190471	-1.308636895	0.001140352
2190524	46370053	NM_019011.4	TRIAD3	24.07686324	1.177162245	0.001145386
6350360	50593531	NM_005176.4	ATP5G2	516.754743	1.243669891	0.00114794
460273	35493970	NM_003345.3	UBE2I	90.10026341	1.134131115	0.001168429
160240	21040370	NM_005804.2	DDX39	101.9627944	1.230286148	0.001187406
5360674	32455240	NM_178232.2	HAPLN3	17.16381664	1.244549462	0.001189577
4920577	76781490	NM_007047.3	BTN3A2	93.80802363	1.266607439	0.001191858
4760364	62912469	NM_001017403.1	LGR6	15.47756491	1.23125561	0.001208655
4150768	7661817	NM_014181.1	HSPC159	-19.17476534	-1.275963432	0.001216429
2970332	50593004	NM_006328.2	RBM14	73.69517521	1.214022777	0.001227948
360066	7019566	NM_013378.1	VPREB3	58.73278863	1.504196763	0.001230244
2370341	88982372	XM_932015.1	LOC643401	2.094536796	1.05887807	0.001232055
940754	7657332	NM_014358.1	CLEC4E	-29.11656126	-1.340773284	0.001242297
1090048	48976062	NM_153611.3	CYBASC3	49.70244398	1.217479345	0.001247126
5910343	88953692	XM_929793.1	LOC646836	6.392732823	1.113777423	0.001249592
2810674	88970691	XM_942926.1	LOC647649	2.321532121	1.054742893	0.001252869
3800253	89035372	XM_932678.1	LOC387841	189.24229	1.278629303	0.001252967
7660487	47778936	NM_014164.4	FXD5	393.3630931	1.33904597	0.001262983
6350017	4505462	NM_003632.1	CNTNAP1	8.432099288	1.161986349	0.001272112
2000390	32130539	NM_012395.2	PFTK1	-11.44388985	-1.184448545	0.001272449
360402	12383073	NM_022830.1	RBM21	12.81737281	1.157133003	0.001289751
7650025	40806176	NM_004949.2	DSC2	-93.38175241	-1.555845859	0.001292334
6270364	77157783	NM_015044.3	GGA2	54.90600546	1.283424211	0.001302584
7510224	89037451	XM_929560.1	ACOT1	5.220050681	1.097059274	0.001314489
3850025	21536366	NM_139353.1	TAF1C	75.95063347	1.204746923	0.001320044
2640373	71040087	NM_000449.3	RFX5	40.58475673	1.195639991	0.001352801
1940543	62243651	NM_001013848.1	EXOC6	-35.01537314	-1.307903607	0.001357439
1820142	34147665	NM_006374.3	STK25	30.72099994	1.157095215	0.001358231
3400328	47078294	NM_000022.2	ADA	67.32199518	1.313091331	0.001361042
1470332	21450778	NM_145036.1	MGC33887	2.451633821	1.057340207	0.001380734
2070241	23397461	NM_153211.1	C18orf17	26.57907091	1.195520367	0.001380825
6200746	39725655	NM_032376.2	TMEM101	20.79524943	1.135857258	0.001392087
5130154	2115625	AA431917		2.687068685	1.060681089	0.001397186
7650605	13489098	NM_024681.1	KCTD17	42.15691645	1.219877312	0.001398325
3990296	9951925	NM_000717.2	CA4	-213.0886356	-1.441889054	0.001400277
990224	40538798	NM_020131.3	UBQLN4	44.15987403	1.241656798	0.001409781
6110142	21389554	NM_144666.1	DNHD1	10.18272952	1.176487041	0.001414669
520154	34527067	AK130294		21.74202891	1.237530114	0.001416293
2650164	57164941	NM_001008938.1	CKAP5	29.33938351	1.191276253	0.001417373
6370463	89047258	XM_925913.1	LOC653063	2.808209897	1.065349534	0.00141842
6020500	27477133	NM_024923.2	NUP210	37.64775789	1.196401091	0.001418525

3800243	5031976	NM_005746.1	PBEF1	-348.2606482	-1.392173496	0.001419039
7380328	11141876	NM_021805.1	SIGIRR	25.06501581	1.245654007	0.001427724
4200451	88983572	XM_068632.5	LOC133993	3.341967043	1.065344844	0.001430887
1430156	13129099	NM_024096.1	XTP3TPA	21.55693285	1.173886359	0.001430912
2490747	4501840	NM_001605.1	AARS	77.76894401	1.276356344	0.001432837
1010612	31542677	NM_031206.2	LAS1L	12.21303662	1.172490221	0.001437935
2630181	38570053	NM_020408.3	C6orf149	8.470600619	1.14906581	0.001455672
1450082	29789121	NM_021117.1	CRY2	17.52300597	1.161214169	0.001456531
3940020	38149169	CF887308		2.194774646	1.057872899	0.001465205
2970440	51592099	NM_014675.2	CROCC	5.396550969	1.094770922	0.001466061
3990192	6912279	NM_012111.1	AHSA1	28.18197892	1.15069417	0.001481716
3830278	12751496	NM_023080.1	C8orf33	11.18572632	1.129068947	0.001502437
650541	45935370	NM_002727.2	PRG1	-1496.501337	-1.289002142	0.00150564
2070131	22035596	NM_031420.2	MRPL9	31.85307452	1.167431606	0.001511617
6040259	31652258	NM_032853.2	MUM1	21.48103217	1.229453813	0.001518048
650014	37237779	CF619198		2.327816537	1.063259079	0.0015214
1690504	27831422	BX101820		2.143929406	1.056737612	0.00152161
5080056	39841072	NM_018079.3	FLJ10379	-24.26466131	-1.201359313	0.001525093
6220450	40548399	NM_005771.3	DHRS9	-181.3140503	-1.439115636	0.001532317
7100504	39652617	NM_004623.2	TTC4	36.08459854	1.184629696	0.001561337
2100221	40353209	NM_017758.2	ALKBH5	161.2343238	1.161468316	0.001576054
6280576	21614543	NM_002964.3	S100A8	-3148.764309	-1.349637782	0.001592006
5890273	21071040	NM_014141.3	CNTNAP2	6.595271148	1.146748332	0.001599007
4780672	68216098	NM_012413.3	QPCT	-224.4635907	-1.289467296	0.001600979
7610546	40255053	NM_032717.3	HMFN0839	-54.94911949	-1.280308621	0.001603755
6020132	41281777	NM_152943.1	ZNF268	2.648966818	1.059765454	0.001607376
6110133	15042936	NM_007365.1	PADI2	-9.370076681	-1.156334733	0.001614081
2000474	17965839	BM272556		-2.55867557	-1.067794085	0.001622817
1500328	27477086	NM_003855.2	IL18R1	-122.3006055	-1.893619161	0.001627845
2030747	34222148	NM_032138.3	KBTBD7	-29.27404586	-1.314648032	0.001628042
5560093	34531894	AK125708		3.295857766	1.075280337	0.001644271
610465	41393562	NM_015074.2	KIF1B	-69.35956203	-1.363720205	0.001645719
3400372	53692181	NM_015002.2	FBXO21	26.3299661	1.15897828	0.001663991
6580075	20149575	NM_006164.2	NFE2L2	-62.000525	-1.276555302	0.001666828
5130747	23238724	BU587445		5.206540958	1.107947177	0.001673048
650358	71773149	NM_000485.2	APRT	84.63692212	1.280817312	0.001674124
6650576	24787676	CA424950		2.962661443	1.070519384	0.001676488
5960128	21327699	NM_003487.2	TAF15	87.80187716	1.346679516	0.001679561
1190647	18375504	NM_080649.1	APEX1	89.44973593	1.233840385	0.001687003
2510133	4506782	NM_003864.1	SAP30	-78.20837572	-1.646698366	0.001706434
4120086	13569871	NM_030915.1	LBH	4.189390797	1.079490285	0.001706774
3130019	20143980	NM_014234.3	HSD17B8	21.75170555	1.196488957	0.001711828
4200148	42660194	XM_378421		14.16364107	1.189819518	0.001713891
940706	88989505	XM_939144.1	LOC650058	2.002405673	1.048229223	0.001739768
20553	42789728	NM_006152.2	LRMP	-74.82036091	-1.177440044	0.001740334
5550270	27838297	BX113537		3.941936997	1.086914048	0.00175354
4570612	51477715	NM_006122.2	MAN2A2	-44.39209005	-1.25693322	0.001768914
770458	70995210	NM_001398.2	ECH1	140.6533489	1.216657159	0.001780796
3390008	24475884	NM_003475.2	RASSF7	57.42044838	1.233262979	0.001787024
2970768	4503528	NM_001416.1	EIF4A1	408.0155473	1.170835965	0.001793442
4730088	50484029	CR603222		3.836354648	1.077928085	0.001799439
670376	38158012	NM_182830.2	MAMDC1	2.798906913	1.068655473	0.0018053
5960301	38026968	NM_004649.4	C21orf33	84.66892254	1.184726723	0.001806028
7400431	24234746	NM_004515.2	ILF2	63.52810868	1.160207487	0.001806039
520360	40254941	NM_020448.2	NPAL3	20.03362452	1.165178541	0.00181287
1240440	48762680	NM_000701.6	ATP1A1	37.53285116	1.204524584	0.001815625
2320309	89037018	XM_941325.1	LOC652025	117.8979784	1.237697761	0.001829317
4220181	4505370	NM_002496.1	NDUFS8	171.4535635	1.260630153	0.001853457
6380358	73912719	NM_001032363.1	C1orf151	3.003480865	1.065127964	0.001856986
7400240	50541941	NM_000488.2	SERPINC1	2.88345468	1.067256547	0.001886392
6110672	68303646	NM_001025077.1	CUGBP2	-49.70921613	-1.21027928	0.001902574
7050196	88988812	XM_943393.1	LOC647784	2.371716902	1.058914165	0.001918129
6420079	89027874	XM_291277.4	KFZp761P0423	80.22901015	1.337704578	0.001921658
1070377	66346718	NM_207106.2	UIP1	32.34029956	1.192004187	0.0019244
7380170	28178815	NM_174855.1	IDH3B	104.9723088	1.205100893	0.001927203
50347	57862814	NR_002196.1	H19	4.098623993	1.09014366	0.001939512
520647	20149601	NM_012229.2	NTSC2	-220.1185076	-1.239664085	0.001970138
6510452	7794142	AW779539		2.742193271	1.058591264	0.001982133
5130142	50301239	NM_001001998.1	EXOSC10	23.91241934	1.189832508	0.001984951

6770142	37693992	NM_002513.2	NME3	51.08647128	1.205555171	0.001991096
3400176	39725947	NM_015517.3	MIZF	13.64333077	1.107326504	0.001995042
4010053	18641371	NM_022555.3	HLA-DRB3	131.0547184	1.349610681	0.001995927
610653	4826650	NM_004928.1	C21orf2	33.52242941	1.236381199	0.001998985
3940386	39995110	NM_000849.3	GSTM3	8.079852703	1.155645076	0.002004006
4590646	67089144	NM_001024667.1	FCRL3	94.2507356	1.380488839	0.002010981
2100519	54144638	NM_006469.4	IVNS1ABP	-63.08035217	-1.228618943	0.002018303
2710711	23200005	NM_149379.1	NSUN5C	34.34062961	1.320832601	0.002020028
5130553	19001887	BM688622		2.603201451	1.065274697	0.002038439
5690008	4885584	NM_005500.1	SAE1	75.82328648	1.157051883	0.002042091
7160164	40354200	NM_199184.1	C6orf108	26.45996909	1.188835551	0.002055282
6290239	33469921	NM_182776.1	MCM7	85.43037244	1.23369979	0.002059443
4610619	34147351	NM_024046.2	CAMKV	-3.847147069	-1.077661953	0.002074291
4010673	38149909	NM_198138.1	SEC31L2	10.15672126	1.132559406	0.00207951
3780220	8922497	NM_018129.1	PNPO	47.19395989	1.242699483	0.002083951
3440040	88989998	XM_944927.1	LOC649242	-2.349265137	-1.060737346	0.002090613
6110088	21536375	NM_005502.2	ABCA1	-111.4628782	-1.151563396	0.002134427
6040639	4757733	NM_004833.1	AIM2	-39.37522134	-1.321094284	0.002136117
430100	34222094	NM_012212.2	LTB4DH	-2.891199796	-1.069192824	0.002137898
2680682	47157327	NM_213636.1	PDLIM7	-106.9173695	-1.290786624	0.002138706
5270450	31004095	CD243631		-2.682928323	-1.069596088	0.002141697
4900497	18979657	BM669760		2.394474482	1.055793869	0.002144886
6250338	22748798	NM_152371.1	C1orf93	20.43951257	1.20374194	0.002146632
5720424	54607107	NM_031449.3	KFZp761I2123	28.39880817	1.24615102	0.002146928
3610634	41327713	NM_020531.2	C20orf3	-169.2466369	-1.311482228	0.002151473
5860075	27436923	NM_003517.2	HIST2H2AC	-148.5459367	-1.269114381	0.002154776
5570632	51587022	CR738137		-3.700734709	-1.087517386	0.002155079
2650152	29789109	NM_020698.1	TMCC3	-29.36456043	-1.25672225	0.002157529
5390100	42544135	NM_015713.3	RRM2B	-28.5915367	-1.301095272	0.002165583
6380050	74229007	NM_001032999.1	CBFA2T2	3.841545355	1.0857201	0.002166999
5560280	29029549	NM_017424.2	CECR1	301.0469939	1.32885363	0.002167663
4260053	19747275	NM_133325.1	PHF10	49.7681192	1.179062329	0.002169686
4810327	2046104	AA393134		-2.484180664	-1.065399993	0.002175145
1030039	21328454	NM_003516.2	HIST2H2AA	-122.2515261	-1.273251604	0.002180554
5720497	25777601	NM_002808.3	PSMD2	31.15011938	1.146090486	0.002181127
630091	21536482	NM_003518.3	HIST1H2BG	-13.60500067	-1.22042782	0.00218131
5900021	11072092	NM_018031.2	WDR6	110.7543183	1.289322955	0.002181731
2850274	88952955	XM_926366.1	LOC653181	-1.935228719	-1.048898256	0.002182192
1710100	54860104	NM_018054.4	ARHGAP17	53.494328	1.203378443	0.002183767
6650482	27811314	CB066794		2.266652104	1.055934349	0.002184843
6040196	34335276	NM_015568.2	PPP1R16B	28.57922477	1.214435517	0.002197064
2510132	34147385	NM_024844.2	NUP85	25.75983033	1.159776012	0.002199934
3460242	20127505	NM_006556.2	PMVK	16.95917741	1.145346624	0.002201696
5870300	19592429	BM974838		3.55266692	1.080305117	0.00220268
1010754	34101267	NM_020803.3	KLHL8	-26.74101975	-1.268937525	0.002203432
4540088	16877451	BC016972		-3.538684311	-1.080577747	0.002221092
630768	13399321	NM_024662.1	NAT10	18.28438533	1.168615183	0.00222234
3840131	13376746	NM_025152.1	NUBPL	6.311302866	1.116147303	0.002242144
5050390	58331183	NM_006429.2	CCT7	36.9437154	1.173816637	0.002248928
730543	54144651	NM_001517.4	GTF2H4	14.70939523	1.167778973	0.002249712
4280373	11496980	NM_003174.2	SVIL	-86.77630886	-1.223542932	0.002251248
840139	24792039	CA429313		2.270203986	1.054352894	0.002252613
2650390	33598947	NM_002660.2	PLCG1	65.59369512	1.328004119	0.002261605
20154	33624782	NM_145799.2	06. Sep	74.78050355	1.302850102	0.002265789
830400	9845520	NM_002965.2	S100A9	-1676.927338	-1.32797051	0.002267466
7380241	39812261	NM_003530.3	HIST1H3D	-21.86668228	-1.259879628	0.00226776
3990328	37577120	NM_080387.4	CLEC4D	-47.99765081	-1.574751808	0.002285359
3940338	12669910	NM_005225.1	E2F1	-5.162386453	-1.100746308	0.002305931
7650458	62422567	NM_001313.3	CRMP1	5.572953708	1.098993806	0.00231087
6110132	13376252	NM_024839.1	RPP21	59.80821658	1.179349782	0.002310908
3130291	27886542	NM_004555.2	NFATC3	15.6758675	1.14504507	0.002320651
7380347	55743082	NM_001006940.1	ALG3	23.9546724	1.169231331	0.002321091
2970537	15431299	NM_000980.2	RPL18A	1096.761159	1.208535779	0.002326571
6550762	27734876	NM_173555.1	TYSND1	36.94434887	1.185786991	0.002333003
1030041	40788014	NM_021209.3	CARD12	-24.56951249	-1.221271443	0.002358744
5420538	6552334	NM_000852.2	GSTP1	265.0758172	1.212234469	0.002377771
1820341	21396488	NM_004793.2	PRSS15	22.47364221	1.206078489	0.002396097
2370593	66348044	NM_016478.3	ZC3HC1	19.91283504	1.166411255	0.002399701
240608	6042201	NM_007288.1	MME	-221.958069	-1.313607958	0.002402057

6650403	7706336	NM_016057.1	COPZ1	40.88815665	1.163358795	0.002410936
3710228	62739164	NM_182943.2	PLOD2	-6.41581762	-1.142251171	0.002417035
1090139	24475981	NM_016464.2	HSPC196	22.43444477	1.189752629	0.002427259
10025	40788009	NM_000574.2	CD55	-178.8297083	-1.378686076	0.002428894
290452	47519615	NM_213674.1	TPM2	30.21632141	1.308702924	0.002451226
2070494	24234749	NM_012218.2	ILF3	66.65536913	1.264598066	0.00246216
6480458	71773200	NM_001030018.1	APRT	49.22444358	1.266012441	0.002496455
830754	11277467	NM_006427.2	SIVA	15.28911626	1.123182292	0.002511787
5570750	31742497	NM_015374.1	UNC84B	95.70834076	1.215821376	0.002516183
5090554	38016938	NM_002150.2	HPD	-6.000610516	-1.120598307	0.002530391
5090047	28416952	NM_032501.2	ACSS1	35.01148376	1.184237465	0.002539779
4880681	21361381	NM_007171.2	POMT1	12.61365289	1.174440001	0.002541681
7200477	6640026	AW263210		-1.678426858	-1.041235648	0.002564708
7400121	13435358	NM_001923.2	DDB1	229.4803921	1.262296307	0.002565468
2750035	65508349	NM_001018062.1	LOC51149	2.484711498	1.062668028	0.002577857
3290019	54607143	NM_152735.3	ZBTB9	14.11460038	1.157880814	0.002589178
3130300	50345983	NM_001001937.1	ATPSA1	225.076896	1.147238723	0.002626228
3850020	10437827	AK025332		-26.25812165	-1.317323936	0.002632909
5670274	22035641	NM_030644.1	APOL3	28.59518167	1.194613178	0.002633129
2760064	24234721	NM_006260.2	DNAJC3	-6.571723401	-1.130946981	0.002633237
5570661	34147500	NM_020315.3	PDXP	25.74017676	1.220220548	0.002654539
5090315	51094102	NM_019082.2	DDX56	52.28321626	1.235529494	0.002654824
3140088	45387930	NM_205548.1	UNQ9217	-3.394067971	-1.072172003	0.002657711
4010048	34304338	NM_004035.4	ACOX1	-43.72066716	-1.24581154	0.002662627
7380736	40317621	NM_199176.1	MRRF	4.945702746	1.084721323	0.002666503
1170139	52421789	NM_033141.2	MAP3K9	3.726192295	1.066369155	0.002667438
5260184	32217345	CD693563		10.93731216	1.194775359	0.002672296
6660709	6006013	NM_000632.2	ITGAM	-167.4535448	-1.299115011	0.002684536
2900482	4503518	NM_003754.1	EIF3S5	175.2963427	1.186295643	0.002708745
7320594	55956901	NM_006724.2	MAP3K4	21.59370431	1.158641495	0.002720574
6350376	24234684	NM_006597.3	HSPA8	245.6853166	1.206537243	0.002730009
4900398	89060532	XM_946033.1	LOC652809	-3.418618822	-1.068463017	0.002738753
2850288	31077212	NM_001530.2	HIF1A	-17.7068821	-1.253587958	0.002742525
6660471	25306269	NM_016050.2	MRPL11	28.56600561	1.177667177	0.002745508
2070152	32130534	NM_017801.2	CMTM6	-188.8631566	-1.301005618	0.002746935
6650020	4501944	NM_001124.1	ADM	-270.3778539	-1.297111853	0.002748971
1710189	5453751	NM_006424.1	SLC34A2	2.229363981	1.050166934	0.002749561
6620674	34147574	NM_006410.3	HTATIP2	-17.29978654	-1.127477016	0.002756336
5890494	47834345	NM_012257.3	HBP1	-50.56848683	-1.197450714	0.002765307
7160767	89042800	XM_945544.1	UBE2Z	55.13945078	1.130117008	0.002775733
1510224	53729323	NM_017838.3	NOLA2	35.91106831	1.179080572	0.002802852
380541	27436919	NM_003971.3	SPAG9	-16.78481129	-1.147347603	0.00282301
1450523	89035472	XM_930820.1	LRRK2	-68.96090215	-1.389360148	0.002825347
6520241	23510351	NM_020679.2	MIF4GD	27.40320804	1.159950156	0.002830456
60468	17017983	NM_001261.2	CDK9	24.99861391	1.168629649	0.00283774
5720458	8051633	NM_004585.2	RARRES3	228.1363976	1.255356881	0.002841093
6110228	50355989	NM_173855.3	MORN3	3.709222234	1.08270705	0.002842034
5720347	14589868	NM_032966.1	BLR1	33.77133084	1.352619823	0.002843529
580050	31543835	NM_016616.2	TXNDC3	-27.04827067	-1.260236966	0.00284596
4890192	21396481	NM_003512.3	HIST1H2AC	-112.3541472	-1.392383937	0.002850535
2900463	7108345	NM_012483.1	GNLY	926.3133937	1.612886994	0.002862239
3780243	55953128	NM_001550.2	IFRD1	-50.9467186	-1.320601673	0.002863928
5090647	2816926	AA765688		-2.251315518	-1.05663717	0.002880931
940348	21614521	NM_012198.2	GCA	-659.6345279	-1.366341263	0.002891609
5340162	56550038	NM_005933.2	MLL	23.28905135	1.270793653	0.00290127
7560603	21071035	NM_020926.2	BCOR	3.835536594	1.073378361	0.002913866
5820465	21361852	NM_020405.3	PLXDC1	10.07727623	1.144744368	0.002918091
1780152	68161540	NM_001024912.1	CEACAM1	-98.14974577	-1.36624859	0.00292068
2750626	25453476	NM_001961.2	EEF2	556.3584728	1.181343779	0.002930668
7000224	20336295	NM_018380.2	DDX28	12.70400328	1.117735353	0.002939555
3420682	9257200	NM_015722.2	DRD1IP	3.175697509	1.074847011	0.002940764
1470541	24532964	CA314866		-2.368897154	-1.057694677	0.002942185
940450	61966858	NM_001013706.1	LOC440503	-6.987092813	-1.150605437	0.002951728
1780035	31377794	NM_006888.2	CALM1	119.0389403	1.140092427	0.002955045
6270215	89041715	XM_373742.4	MGC40489	3.326299967	1.07180415	0.002959387
840564	23510386	NM_153050.1	MTMR3	-134.6471185	-1.194114257	0.002971284
5050653	24432071	NM_145032.2	FBXL13	-18.83916692	-1.233611781	0.002971531
1070189	5729975	NM_006608.1	PHTF1	-24.33989005	-1.25826092	0.002986487
650767	30795205	NM_006243.2	PPP2R5A	-67.1556536	-1.180593855	0.002994704

6280168	21450799	NM_145043.1	NEIL2	19.88048242	1.19544672	0.002995077
2640278	22027508	NM_017955.2	CDCA4	6.698447811	1.111031409	0.002997021