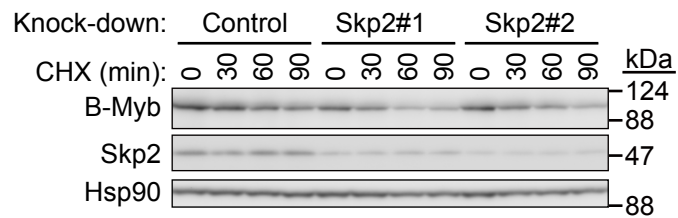


**Supplementary Figure S1. Cytosolic localization of pVHL in 786-O or RCC4 cells.**

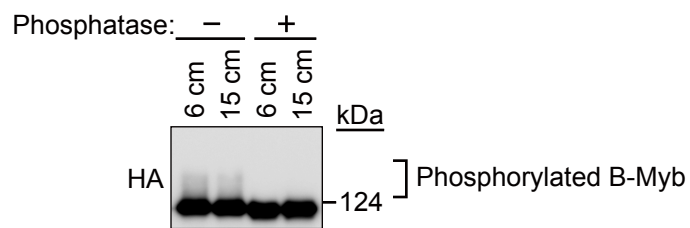
786-O cells or RCC4 cells stably expressing pVHL or control cells were cultured under sparse or confluent conditions for 1 day. Cytosolic (C) and nuclear (N) fractions were immunoblotted (IB) with antibodies against pVHL, B-Myb, HIF-2 $\alpha$ , Hsp90, or Lamin B1. Hsp90 and Lamin B1 were used as cytosolic and nuclear protein markers, respectively.



**Supplementary Figure S2. Stabilization of B-Myb is absent in Skp2 knockdown cells.**

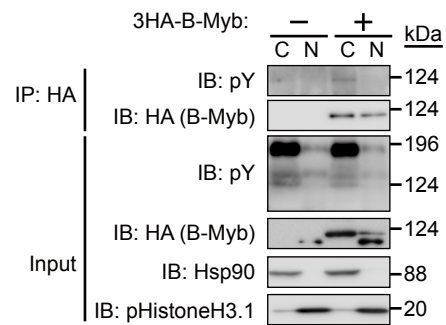
Control 786-O cells or two independent Skp2 knockdown cell lines (#1 and #2) were cultured for 1 day under confluent conditions, and then exposed to CHX (50  $\mu$ g/ml) for 30, 60, or 90 min. The lysates were subjected to western blotting with antibodies against B-Myb, Skp2, or Hsp90.

Hsp90 was used as a loading control.



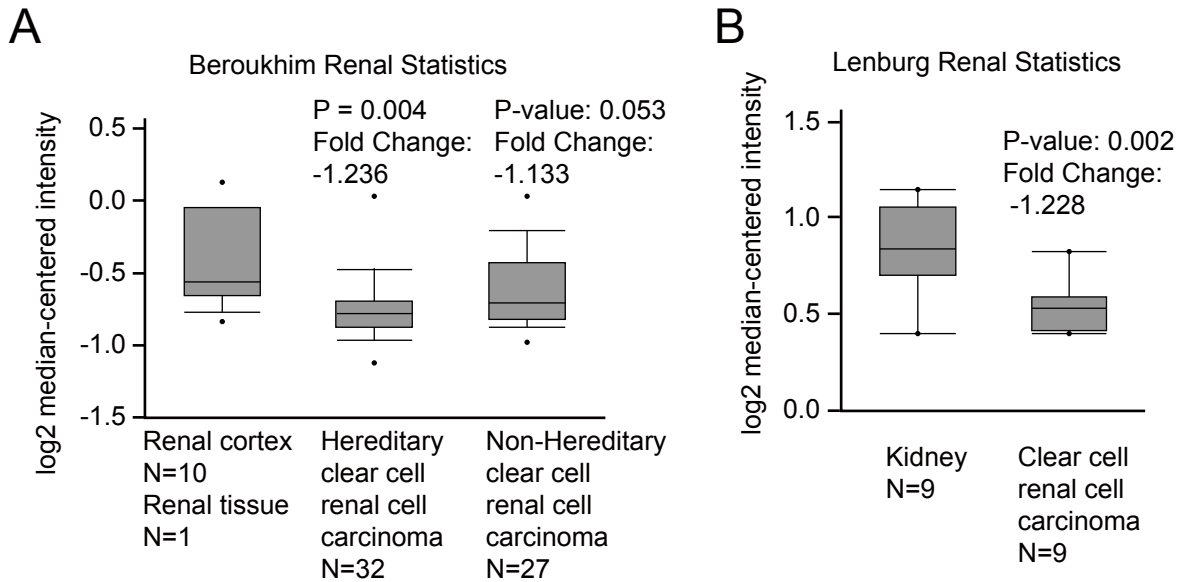
**Supplementary Figure S3. Phosphorylation of B-Myb under sparse or confluent culture conditions.**

3×HA-B-Myb expressing 786-O cells ( $3.8 \times 10^6$ ) were cultured for 1 day in two 6 cm (confluent condition) or three 15 cm (sparse condition) dishes. Immunoprecipitated 3×HA-B-Myb was incubated with or without phosphatase and subjected to western blotting with anti-HA antibody. The membrane was exposed for a relatively long time to detect phosphorylated 3×HA-B-Myb.



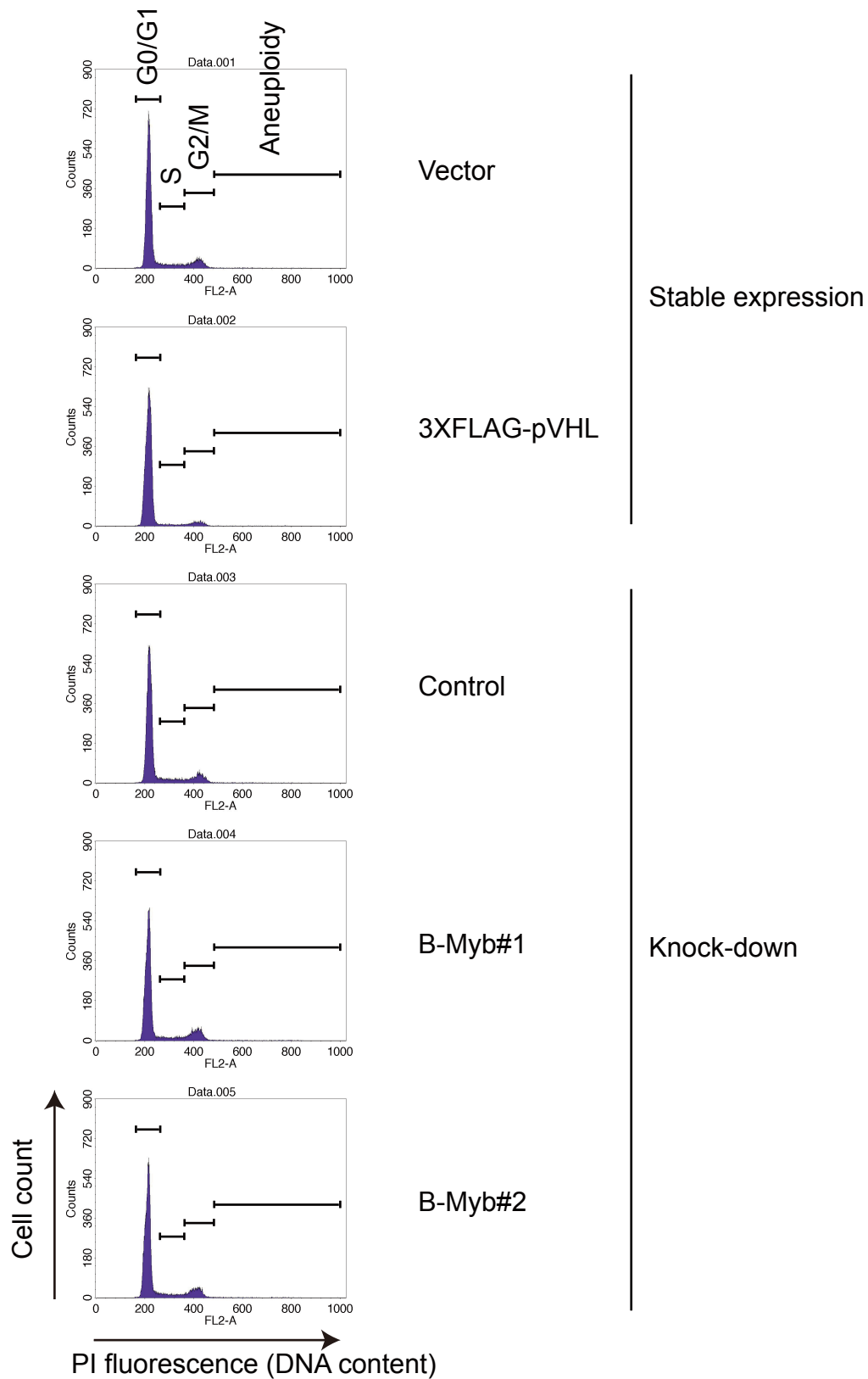
**Supplementary Figure S4. Tyrosine phosphorylation of B-Myb occurs in the cytosol.**

786-O cells stably expressing 3×HA-B-Myb or control cells were cultured under sparse conditions for 2 days. 3×HA-B-Myb was immunoprecipitated (IP) from the cytosolic (C) or nuclear (N) fraction with anti-HA antibody and immunoblotted (IB) with antibodies against pY, HA, Hsp90, or phosphorylated Histone 3.1. Hsp90 and phosphorylated Histone 3.1 were used as cytosolic and nuclear protein markers, respectively.



**Supplementary Figure S5. Downregulation of B-Myb in clear cell renal cell carcinoma.**

(A) Box plots of B-Myb transcript levels originally reported by Beroukhim et al., and provided by Oncomine data base. The box plot shows the normalized expression values, including minimum values (the bottom dot), 10<sup>th</sup> percentile (the bottom line outside the box), 25<sup>th</sup> percentile (the bottom border of the box), median (the middle line within the box), 75<sup>th</sup> percentile (the upper border of the box), 90<sup>th</sup> percentile (the upper line outside the box), and the maximum value (the upper dot). p values determined by Student' s t-test were provided by Oncomine and sample numbers in each group are indicated. (B) Box plots of B-Myb transcript levels originally reported by Lenburg et al., and provided by the Oncomine database are shown as in (A).



**Supplementary Figure S6. Representative flow cytometry data.**

Each cell line was harvested, fixed, and stained by propidium iodide to measure the DNA content of each cell. Cells in G0/G1, S, and G2/M phase, as well as aneuploidy are indicated.

**Tables S1**

Up-regulated genes by knock-down (KD) of B-Myb.

Control (Log2)	B-Myb KD #1 (1B-Myb KD #2 (1	GeneSymbol	Synonyms	Description	
0	6.478639	2.8339624	CXorf51A	CXorf51	Homo sapiens chromosome X open reading frame 51A (CXorf51A), mRNA [NM_001144064]
0	4.7758408	2.4837737	OR1F1	OR1F1	Homo sapiens olfactory receptor, family 1, subfamily F, member 1 (OR1F1), mRNA [NM_012360]
0	4.359556	1.0474968	PRODH2	HSPOX1	Homo sapiens proline dehydrogenase (oxidase) 2 (PRODH2), mRNA [NM_021232]
0	4.288799	2.111652	MYL3	CMH8 MLC1SB MLC1V	Homo sapiens myosin, light chain 3, alkali; ventricular, skeletal, slow (MYL3), mRNA [NM_000258]
0	3.8127947	1.3498459	C20orf160	dJ310013.5	Homo sapiens chromosome 20 open reading frame 160 (C20orf160), mRNA [NM_080625]
0	3.6173735	2.112893	XLOC_001280		BROAD Institute lincRNA (XLOC_001280), lincRNA [TCONS_00001895]
0	3.5501838	3.7551284	GRIK1-AS1	C21orf9 GRIK1-AS GRI1	Homo sapiens GRIK1 antisense RNA 1 (non-protein coding) (GRIK1-AS1), non-coding RNA [NR_027021]
0	3.4837155	1.3371539	ASB2	ASB-2	Homo sapiens ankyrin repeat and SOCS box containing 2 (ASB2), transcript variant 2, mRNA [NM_016150]
0	3.305637	1.0225792	XLOC_005633		BROAD Institute lincRNA (XLOC_005633), lincRNA [TCONS_00012103]
0	3.2275786	2.761517	XLOC_001515		Q588E3.BRALA (Q588E3) NADH dehydrogenase subunit 5, partial (4%) [THC2710260]
0	3.2029433	2.2500253	HTR1E	5-HT1E	Homo sapiens 5-hydroxytryptamine (serotonin) receptor 1E (HTR1E), mRNA [NM_000865]
0	3.0973997	1.9756703	NTNG2	LHLL9381 Lmmt2 NTNG	Homo sapiens netrin G2 (NTNG2), mRNA [NM_032536]
0	3.0855465	1.4855504	MGC39584		Homo sapiens uncharacterized LOC441058 (MGC39584), non-coding RNA [NR_038377]
0	3.0525799	3.6732097	GPR182	7TMR ADMR AM-R AMF	Homo sapiens G protein-coupled receptor 182 (GPR182), mRNA [NM_007264]
0	2.9833083	1.7624488	XLOC_012626		BROAD Institute lincRNA (XLOC_012626), lincRNA [TCONS_00026599]
0	2.9559507	1.6974177	CDH13	CDHH P105	Homo sapiens cadherin 13, H-cadherin (heart) (CDH13), transcript variant 1, mRNA [NM_001257]
0	2.8441734	1.3601489	IRGM	IFI1 IRGM1 LRG-47 LRC	immunity-related GTPase family, M [Source:HGNC Symbol;Acc:29597] [ENST00000520549]
0	2.7894664	1.1142297	XLOC_003422		BROAD Institute lincRNA (XLOC_003422), lincRNA [TCONS_00008740]
0	2.7776098	2.6871138	XLOC_I2_009449		PREDICTED: Homo sapiens von Willebrand factor-like (LOC100289038), miscRNA [XR_132906]
0	2.6427112	1.7254534	LOC100507165		PREDICTED: Homo sapiens hypothetical LOC100507165 (LOC100507165), miscRNA [XR_110530]
0	2.501556	1.4363832	MS4A7	4SPAN2 CD20L4 CFFM	Homo sapiens membrane-spanning 4-domains, subfamily A, member 7 (MS4A7), transcript variant 1, mRNA [NM_021201]
0	2.4425755	1.05651	LOC100652810		PREDICTED: Homo sapiens beta-glucuronidase-like protein SMA5-like (LOC100652810), mRNA [XM_003403424]
0	2.4330044	1.1088257	LOC441025		Homo sapiens uncharacterized LOC441025 (LOC441025), non-coding RNA [NR_033964]
0	2.3985472	2.4625416	CFB	AHUS4 BF BFD CFAB F	Homo sapiens complement factor B (CFB), mRNA [NM_001710]
0	2.3705273	1.8792772	LOC100270679		Homo sapiens uncharacterized LOC100270679 (LOC100270679), non-coding RNA [NR_038394]
0	2.3565202	1.1855254	XLOC_008706		Q4RGK4.TETNG (Q4RGK4) Chromosome undetermined SCAF15099, whole genome shotgun sequence, partial (6%) [THC2710827]
0	2.310853	1.1752496	MYH8	MyHC-peri MyHC-pn gtl	Homo sapiens myosin, heavy chain 8, skeletal muscle, perinatal (MYH8), mRNA [NM_002472]
0	2.295967	2.3189268	XLOC_001011		
0	2.2576122	1.405354	ZNF287	ZKSCAN13	Homo sapiens zinc finger protein 287 (ZNF287), mRNA [NM_020653]
0	2.2535315	1.3091903	HOXA13	HOX1 HOX1J	Homo sapiens homeobox A13 (HOXA13), mRNA [NM_000522]
0	2.1676388	1.2138968	FLJ10038		Homo sapiens uncharacterized protein FLJ10038 (FLJ10038), non-coding RNA [NR_026891]
0	2.167531	1.0258718			Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:B5MCS7] [ENST00000431083]
0	2.1431608	1.7853184	XLOC_010505		BROAD Institute lincRNA (XLOC_010505), lincRNA [TCONS_00021602]
0	2.1422071	1.5446191	PVALB	D22S749	Homo sapiens parvalbumin (PVALB), mRNA [NM_002854]
0	2.0430498	1.3493695	6-Sep	SEP2 SEPT2	Homo sapiens septin 6 (SEPT6), transcript variant V, mRNA [NM_145802]
0	2.0313535	1.2817521	STAG2	SA-2 SA2 SCC3B ba51	stromal antigen 2 [Source:HGNC Symbol;Acc:11355] [ENST00000394478]
0	2.0214806	1.4171662			Homo sapiens mRNA for hypothetical protein (C8ORF16). [AJ312026]
0	2.0078535	1.0275364	GPR64	EDDM6 HE6 TM7LN2	Homo sapiens G protein-coupled receptor 64 (GPR64), transcript variant 1, mRNA [NM_001079858]
0	2.0017781	1.2358885	FKBP1B	FKBP12.6 FKBP1L OTK	Homo sapiens FK506 binding protein 1B, 12.6 kDa (FKBP1B), transcript variant 2, mRNA [NM_054033]
0	1.9999866	1.0277762	BAI2		Homo sapiens brain-specific angiogenesis inhibitor 2 (BAI2), mRNA [NM_001703]
0	1.9957113	1.3284645	SNORD1A		Homo sapiens small nucleolar RNA, C/D box 1A (SNORD1A), small nucleolar RNA [NR_004395]
0	1.9851193	1.0844498	GNAS	AHO C20orf45 GNAS1 C	Homo sapiens GNAS complex locus (GNAS), transcript variant 4, mRNA [NM_016592]
0	1.9834514	1.0348482	PCSK6	PACE4 SPC4	Homo sapiens proprotein convertase subtilisin/kexin type 6 (PCSK6), transcript variant 1, mRNA [NM_002570]
0	1.9768505	1.2931824	FABP1	FABPL L-FABP	Homo sapiens fatty acid binding protein 1, liver (FABP1), mRNA [NM_001443]
0	1.9675765	1.78934	NID1	NID	Homo sapiens nidogen 1 (NID1), mRNA [NM_002508]
0	1.8828597	1.02493			family with sequence similarity 95, member B1 [Source:HGNC Symbol;Acc:32318] [ENST00000455995]
0	1.8568211	1.0869699	SARM1	SAMD2 SARM	Homo sapiens sterile alpha and TIR motif containing 1 (SARM1), mRNA [NM_015077]
0	1.8383904	1.1714616	TGM1	ICR2 KTG2 LI1 TGASE	Homo sapiens transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase) (TGM1), mRNA [NM_000359]
0	1.7247868	1.079649	KRTAP5-5	KRTAP5-11 KRTAP5.5	Homo sapiens keratin associated protein 5-5 (KRTAP5-5), mRNA [NM_001001480]
0	1.7216353	1.4337659	TMEM98		Homo sapiens transmembrane protein 98 (TMEM98), transcript variant 1, mRNA [NM_015544]
0	1.720727	1.5358481	LIMS2	PINCH-2 PINCH2	Homo sapiens LIM and senescent cell antigen-like domains 2 (LIMS2), transcript variant 5, mRNA [NM_001161404]
0	1.6468544	1.6294508	AFF1	AF4 FMR2 family, member 1 [Source:HGNC Symbol;Acc:7135] [ENST00000504956]	
0	1.6038527	1.1272345	6-Sep	SEP2 SEPT2	Homo sapiens septin 6 (SEPT6), transcript variant V, mRNA [NM_145802]
0	1.5640907	1.122921	XLOC_I2_011114		DB520446 RIKEN full-length enriched human cDNA library, testis Homo sapiens cDNA clone H013067K21 3', mRNA sequence [DB520446]
0	1.5218167	1.0063677	XLOC_003854		BROAD Institute lincRNA (XLOC_003854), lincRNA [TCONS_00009008]
0	1.4579005	1.2917061	CPA6	CPAH ETL5 FEB11	Homo sapiens carboxypeptidase A6 (CPA6), mRNA [NM_020361]

0	1.4542112	1.1074753	REEP2	C5orf19 SGC32445	Homo sapiens receptor accessory protein 2 (REEP2), mRNA [NM_016606]
0	1.4520159	1.0432749	SYNGR1		Homo sapiens synaptogyrin 1 (SYNGR1), transcript variant 1b, mRNA [NM_145731]
0	1.4413638	1.0627213	C21orf56		Homo sapiens chromosome 21 open reading frame 56 (C21orf56), transcript variant 2, mRNA [NM_032261]
0	1.4074268	2.9002943	TESC	CHP3 TSC	Homo sapiens tescalcin (TESC), transcript variant 1, mRNA [NM_017899]
0	1.4016399	1.2406483			immunoglobulin kappa variable 2D-28 [Source:HGNC Symbol;Acc:5799] [ENST00000453166]
0	1.3708653	1.2831597	GPRASP1	GASP GASP-1 GASP1	Homo sapiens G protein-coupled receptor associated sorting protein 1 (GPRASP1), transcript variant 1, mRNA [NM_014710]
0	1.367857	1.0640779	LOC100507520		PREDICTED: Homo sapiens hypothetical LOC100507520, transcript variant 2 (LOC100507520), miscRNA [XR_109440]
0	1.3674645	1.1025324	LOC400043		Homo sapiens uncharacterized LOC400043 (LOC400043), non-coding RNA [NR_026656]
0	1.3149586	1.010797	XLOC_007433		MR3-FN0206-020201-006-h05 FN0206 Homo sapiens cDNA, mRNA sequence [BI046002]
0	1.2779694	1.2874107	COL6A2	PP3610	Homo sapiens collagen, type VI, alpha 2 (COL6A2), transcript variant 2C2a, mRNA [NM_058174]
0	1.2360439	1.0344882	EFNB3	EFL6 EPLG8 LERK8	Homo sapiens ephrin-B3 (EFNB3), mRNA [NM_001406]
0	1.2226591	1.3807235	UBE2Q2P2	UBE2QP2	Homo sapiens ubiquitin-conjugating enzyme E2Q family member 2 pseudogene 2 (UBE2Q2P2), non-coding RNA [NR_004847]
0	1.1912475	1.2277179	XLOC_I2_013506		BX097862 NCI_CGAP_Kid5 Homo sapiens cDNA clone IMAGp998D083986, mRNA sequence [BX097862]
0	1.1564093	1.037571	C17orf28	DMC1	Homo sapiens chromosome 17 open reading frame 28 (C17orf28), mRNA [NM_030630]
0	1.1455102	1.1972079	C5orf56		Homo sapiens cDNA: FLJ21568 fis, clone COL06492. [AK025221]
0	1.1242619	1.5627937	DLG3	MRX MRX90 NEDLG SA	Homo sapiens discs, large homolog 3 (Drosophila) (DLG3), transcript variant 1, mRNA [NM_021120]
0	1.1171088	1.8100896	XLOC_004747		BROAD Institute lincRNA (XLOC_004747), lincRNA [TCONS_00009612]
0	1.104301	1.080823	ZNF780B	ZNF779	Homo sapiens zinc finger protein 780B (ZNF780B), mRNA [NM_001005851]
0	1.0958476	1.0104222	AXIN2	AXIL	Homo sapiens axin 2 (AXIN2), mRNA [NM_004655]
0	1.0128231	1.0061951	RIMS3	NIM3 RIM3	Homo sapiens regulating synaptic membrane exocytosis 3 (RIMS3), mRNA [NM_014747]



**Tables S2**

Down-regulated genes by knock-down (KD) of B-Myb.

Control (Log2)	B-Myb KD #1 (l	B-Myb KD #2 (l	GeneSymbol	Synonyms	Description
0	-9.51674	-7.927818	ZUFSP	C6orf113 dJ41217.3	Homo sapiens zinc finger with UFM1-specific peptidase domain (ZUFSP), mRNA [NM_145062]
0	-8.877529	-9.169393	LOC144571		Homo sapiens uncharacterized LOC144571 (LOC144571), non-coding RNA [NR_026971]
0	-6.307118	-7.574066	CASN2	CASB	Homo sapiens casein beta (CASN2), mRNA [NM_001891]
0	-5.929298	-7.5290947	CCDC85A		Homo sapiens coiled-coil domain containing 85A (CCDC85A), mRNA [NM_001080433]
0	-5.782954	-6.978011	XLOC_002117		BROAD Institute lincRNA (XLOC_002117), lincRNA [TCONS_00002753]
0	-5.6845465	-6.7729983	LOC100128105		PREDICTED: Homo sapiens hypothetical protein LOC100128105 (LOC100128105), mRNA [XM_001721678]
0	-5.6487446	-6.8472533	XLOC_002975		BROAD Institute lincRNA (XLOC_002975), lincRNA [TCONS_00006355]
0	-5.616104	-6.882144	XLOC_010696		BROAD Institute lincRNA (XLOC_010696), lincRNA [TCONS_00021689]
0	-5.5685883	-6.770891	ECM2		extracellular matrix protein 2, female organ and adipocyte specific [Source:HGNC Symbol;Acc:3154] [ENST00000375540]
0	-5.333523	-6.5285816	LINC00305	C18orf20 HsT1235 NCRI	Homo sapiens long intergenic non-protein coding RNA 305 (LINC00305), non-coding RNA [NR_027245]
0	-5.3260207	-5.6772423	MST1		BROAD Institute lincRNA (XLOC_I2_000080), lincRNA [TCONS_I2_00000119]
0	-5.1531777	-5.5154915	XLOC_012296		BROAD Institute lincRNA (XLOC_012296), lincRNA [TCONS_00025127]
0	-4.9742327	-4.8544908	FAM126A	DRCTNNB1A HCC HLDf	family with sequence similarity 126, member A [Source:HGNC Symbol;Acc:24587] [ENST00000409763]
0	-4.930912	-5.1353273	LOC100130445		PREDICTED: Homo sapiens hypothetical protein LOC100130445 (LOC100130445), mRNA [XM_001715069]
0	-4.87822	-3.791369	THBS2	TSP2	Homo sapiens thrombospondin 2 (THBS2), mRNA [NM_003247]
0	-4.8568244	-6.0495753	PRSS55	T-SP1 UNQ9391	Homo sapiens protease, serine, 55 (PRSS55), transcript variant 1, mRNA [NM_198464]
0	-4.7727103	-5.1938114	XLOC_003677		BROAD Institute lincRNA (XLOC_003677), lincRNA [TCONS_00008880]
0	-4.6143646	-5.7510104	XLOC_011218		BROAD Institute lincRNA (XLOC_011218), lincRNA [TCONS_00023364]
0	-4.6013403	-5.825031	XLOC_002643		BROAD Institute lincRNA (XLOC_002643), lincRNA [TCONS_00006017]
0	-4.6006675	-5.7839346	LOC645355		Homo sapiens uncharacterized LOC645355 (LOC645355), non-coding RNA [NR_038839]
0	-4.5485435	-5.35522	ATP2B2	PMCA2 PMCA2a PMCA	Homo sapiens ATPase, Ca++ transporting, plasma membrane 2 (ATP2B2), transcript variant 1, mRNA [NM_001001331]
0	-4.5454006	-5.8075333	XLOC_I2_006449		BROAD Institute lincRNA (XLOC_I2_006449), lincRNA [TCONS_I2_00012046]
0	-4.444984	-5.2535195	XLOC_012664		BROAD Institute lincRNA (XLOC_012664), lincRNA [TCONS_00026615]
0	-4.2319274	-4.2769756			Homo sapiens cDNA FLJ35175 fis, clone PLACE6013400. [AK092494]
0	-4.166102	-4.4578247	PNPLA1	dJ50J22.1	Homo sapiens patatin-like phospholipase domain containing 1 (PNPLA1), transcript variant 3, mRNA [NM_001145717]
0	-4.0718365	-5.2663674			DB063160 TEST14 Homo sapiens cDNA clone TEST14003540 5', mRNA sequence [DB063160]
0	-4.0558114	-5.225694	XLOC_I2_011996		BROAD Institute lincRNA (XLOC_I2_011996), lincRNA [TCONS_I2_00022844]
0	-3.9620466	-5.1002984	XLOC_002060		BX119243 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGp998E185714, mRNA sequence [BX119243]
0	-3.886845	-1.075253	LOC100192378		Homo sapiens uncharacterized LOC100192378 (LOC100192378), non-coding RNA [NR_024360]
0	-3.8817153	-5.074789	XLOC_002886		BROAD Institute lincRNA (XLOC_002886), lincRNA [TCONS_00006283]
0	-3.788311	-4.979326	STON1-GTF2A1L	SALF	Homo sapiens STON1-GTF2A1L readthrough (STON1-GTF2A1L), transcript variant 2, mRNA [NM_001198593]
0	-3.787363	-4.9814124			PREDICTED: Homo sapiens putative tripartite motif-containing protein 64B-like (LOC642414), mRNA [XM_003119181]
0	-3.7613955	-4.952389	XLOC_012387		BROAD Institute lincRNA (XLOC_012387), lincRNA [TCONS_00025558]
0	-3.7003908	-5.941253	XLOC_009927		BROAD Institute lincRNA (XLOC_009927), lincRNA [TCONS_00020612]
0	-3.6420188	-4.8440146	RD3	C1orf36 LCA12	Homo sapiens retinal degeneration 3 (RD3), transcript variant 1, mRNA [NM_183059]
0	-3.6265435	-4.828403	LOC100652927		PREDICTED: Homo sapiens hypothetical LOC100652927 (LOC100652927), miscRNA [XR_132642]
0	-3.57684	-4.84187	LOC285556		PREDICTED: Homo sapiens hypothetical protein LOC285556 (LOC285556), mRNA [XM_001717423]
0	-3.5756984	-4.772544	ASB15		Homo sapiens ankyrin repeat and SOCS box containing 15 (ASB15), mRNA [NM_080928]
0	-3.51304	-4.6876802	STAT4	SLEB11	Homo sapiens signal transducer and activator of transcription 4 (STAT4), transcript variant 1, mRNA [NM_003151]
0	-3.5029874	-4.7016544	TSKS	STK22S1 TSKS1 TSSKS	Homo sapiens testis-specific serine kinase substrate (TSKS), mRNA [NM_021733]
0	-3.4644852	-4.8650804	XLOC_013308		BROAD Institute lincRNA (XLOC_013308), lincRNA [TCONS_00027310]
0	-3.4471517	-1.9599371	XLOC_010243		BROAD Institute lincRNA (XLOC_010243), lincRNA [TCONS_00020974]
0	-3.37919	-4.5374866	ADHFE1	ADH8 HOT	Homo sapiens alcohol dehydrogenase, iron containing, 1 (ADHFE1), nuclear gene encoding mitochondrial protein, mRNA [NM_144650]
0	-3.330854	-3.6544585	STRC	DFNB16	Homo sapiens stereocilin (STRC), mRNA [NM_153700]
0	-3.2498999	-4.443956	OSTalpha	OSTA OSTalpha	Homo sapiens organic solute transporter alpha (OSTalpha), mRNA [NM_152672]
0	-3.2351675	-4.4480543	XLOC_008428		BROAD Institute lincRNA (XLOC_008428), lincRNA [TCONS_00018149]
0	-3.2290535	-4.3479714	XLOC_010707		601122985F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:3347061 5', mRNA sequence [BE276051]
0	-3.207963	-1.1184835	ANO3	C11orf25 TMEM16C	Homo sapiens anoctamin 3 (ANO3), mRNA [NM_031418]
0	-3.1598964	-2.5124898	RBPJL	RBP-L RBPSUHL SUH	Homo sapiens recombination signal binding protein for immunoglobulin kappa J region-like (RBPJL), mRNA [NM_014276]
0	-3.157442	-2.5432901	LOC642852		Homo sapiens uncharacterized LOC642852 (LOC642852), non-coding RNA [NR_026943]
0	-3.1509867	-4.345913	XKR9		BROAD Institute lincRNA (XLOC_006836), lincRNA [TCONS_00014752]
0	-3.1093469	-4.280808	CATSPERB	C14orf161 CatSper(beta	Homo sapiens cation channel, sperm-associated, beta (CATSPERB), mRNA [NM_024764]
0	-3.0562968	-2.7815423	SUN5	SPAG4L TSARG4 dJ72f	Homo sapiens Sad1 and UNC84 domain containing 5 (SUN5), mRNA [NM_080675]
0	-3.0450087	-2.8538857			DB461001 RIKEN full-length enriched human cDNA library, testis Homo sapiens cDNA clone H013092F08 5', mRNA sequence [DB461001]
0	-3.03692	-4.090977	XLOC_000095		BROAD Institute lincRNA (XLOC_000095), lincRNA [TCONS_00000867]
0	-3.0244532	-1.720139	ZNF585A		Homo sapiens zinc finger protein 585A (ZNF585A), transcript variant 1, mRNA [NM_152655]
0	-3.0156965	-2.3005567	SNORA79		Homo sapiens small nucleolar RNA, H/ACA box 79 (SNORA79), small nucleolar RNA [NR_003021]

0	-2.9745045	-3.0923657	XLOC_012751	BROAD Institute lincRNA (XLOC_012751), lincRNA [TCONS_00026401]
0	-2.9627347	-4.098775	XLOC_001501	xv14h03.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2813141 3', mRNA sequence [AW272487]
0	-2.9103017	-4.105273	XLOC_013577	BX113703 Soares_testis_NHT Homo sapiens cDNA clone IMAGp998E101784, mRNA sequence [BX113703]
0	-2.907257	-1.8104877	XLOC_I2_012210	BROAD Institute lincRNA (XLOC_I2_012210), lincRNA [TCONS_I2_00023092]
0	-2.873784	-4.086891	XLOC_005633	BROAD Institute lincRNA (XLOC_005633), lincRNA [TCONS_00012676]
0	-2.8716974	-2.7140217	CACHD1	RP4-655E10.1 Homo sapiens cache domain containing 1 (CACHD1), mRNA [NM_020925]
0	-2.855507	-4.05605		Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EUI4] [ENST00000314552]
0	-2.8550596	-4.0965776	XLOC_I2_014694	BX118352 Soares_testis_NHT Homo sapiens cDNA clone IMAGp998L221795, mRNA sequence [BX118352]
0	-2.8040504	-3.989108	XLOC_005465	BROAD Institute lincRNA (XLOC_005465), lincRNA [TCONS_00011372]
0	-2.8008428	-3.9956074	LOC100129884	Homo sapiens cDNA FLJ39760 fis, clone SMINT2019200. [AK097079]
0	-2.7885814	-4.605114	CASP12	CASP-12 CASP12P1 Homo sapiens caspase 12 (gene/pseudogene) (CASP12), transcript variant 1, mRNA [NM_001191016]
0	-2.7719617	-3.3725214	ENOX1	CNOX PIG38 bA64J21.1 Homo sapiens ecto-NOX disulfide-thiol exchanger 1 (ENOX1), transcript variant 1, mRNA [NM_017993]
0	-2.7353559	-3.9365668	LOC731424	Homo sapiens uncharacterized LOC731424 (LOC731424), non-coding RNA [NR_037867]
0	-2.7169557	-2.3692856	MTMR9	C8orf9 LIP-STYX MTMF Homo sapiens myotubularin related protein 9 (MTMR9), mRNA [NM_015458]
0	-2.699048	-3.8897738		Uncharacterized protein cDNA FLJ34594 fis, clone KIDNE2009109 [Source:UniProtKB/TrEMBL;Acc:Q8NAX6] [ENST00000314040]
0	-2.6855206	-4.777762	CELF4	BRUNOL-4 BRUNOL4 Homo sapiens CUGBP, Elav-like family member 4 (CELF4), transcript variant 1, mRNA [NM_020180]
0	-2.6848354	-2.1676302	MYEOV2	Homo sapiens myeloma overexpressed 2 (MYEOV2), transcript variant 1, mRNA [NM_138336]
0	-2.6769452	-2.5557427	SLC9A10	SLC9A10 sperm-NHE Homo sapiens solute carrier family 9, member 10 (SLC9A10), mRNA [NM_183061]
0	-2.6727767	-2.723853	KCNE4	MIRP3 Homo sapiens potassium voltage-gated channel, Isk-related family, member 4 (KCNE4), mRNA [NM_080671]
0	-2.6712766	-3.8618083	STRA6	MCOPS9 Homo sapiens stimulated by retinoic acid gene 6 homolog (mouse) (STRA6), transcript variant 5, mRNA [NM_001142620]
0	-2.66919	-3.8500729	CSMD3	Homo sapiens CUB and Sushi multiple domains 3 (CSMD3), transcript variant a, mRNA [NM_198123]
0	-2.6686573	-2.8463907	MYRIP	SLAC2-C SLAC2C Homo sapiens myosin VIIA and Rab interacting protein (MYRIP), mRNA [NM_015460]
0	-2.6648397	-3.8679824	LOC100506923	PREDICTED: Homo sapiens hypothetical LOC100506923 (LOC100506923), miscRNA [XR_108408]
0	-2.6445074	-3.8461523	REXO1L1	GOR Homo sapiens REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 1 (REXO1L1), mRNA [NM_172239]
0	-2.6378212	-3.8284755	LIMCH1	LIMCH1A LMO7B Homo sapiens LIM and calponin homology domains 1 (LIMCH1), transcript variant 1, mRNA [NM_014988]
0	-2.6215448	-3.7575636	ANKRD30B	NY-BR-1.1 Homo sapiens ankyrin repeat domain 30B (ANKRD30B), mRNA [NM_001145029]
0	-2.62113	-1.7323217	XLOC_004874	BROAD Institute lincRNA (XLOC_004874), lincRNA [TCONS_00010957]
0	-2.5896797	-3.86139	LINC00301	C11orf64 NCRNA00301 Homo sapiens long intergenic non-protein coding RNA 301 (LINC00301), non-coding RNA [NR_026946]
0	-2.588574	-4.0036554	IFIT1B	IFIT1L bA149I23.6 Homo sapiens interferon-induced protein with tetratricopeptide repeats 1B (IFIT1B), mRNA [NM_001010987]
0	-2.5852942	-1.78476	XLOC_004878	BROAD Institute lincRNA (XLOC_004878), lincRNA [TCONS_00010375]
0	-2.576919	-1.5710936	MATN2	Homo sapiens matrilin 2 (MATN2), transcript variant 2, mRNA [NM_030583]
0	-2.518692	-3.7118716	SELE	CD62E ELAM ELAM1 ES Homo sapiens selectin E (SELE), mRNA [NM_000450]
0	-2.5160718	-3.8768706	XLOC_I2_012175	BROAD Institute lincRNA (XLOC_I2_012175), lincRNA [TCONS_I2_00023859]
0	-2.509128	-1.619051	XLOC_000702	BROAD Institute lincRNA (XLOC_000702), lincRNA [TCONS_00002290]
0	-2.50347	-1.660934	SLC37A2	pp11662 Homo sapiens solute carrier family 37 (glycerol-3-phosphate transporter), member 2 (SLC37A2), transcript variant 1, mRNA [NM_198277]
0	-2.4645867	-3.332777	C7orf31	Homo sapiens chromosome 7 open reading frame 31 (C7orf31), mRNA [NM_138811]
0	-2.398849	-2.3206182	MIPEPP3	LINC00539 Homo sapiens mRNA; cDNA DKFZp686C1238 (from clone DKFZp686C1238). [BX648740]
0	-2.3957453	-3.59268	MYCN	MODED N-myc NMYC C Homo sapiens v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian) (MYCN), mRNA [NM_005378]
0	-2.3933396	-3.5126972	SCRT1	SCRT ZNF898 Homo sapiens scratch homolog 1, zinc finger protein (Drosophila) (SCRT1), mRNA [NM_031309]
0	-2.3838353	-3.5066185	LOC728573	Homo sapiens cDNA FLJ41276 fis, clone BRAMY2036913. [AK123270]
0	-2.3646007	-3.559133	GJB7	CX25 bA136M9.1 connexin gap junction protein, beta 7, 25kDa [Source:HGNC Symbol;Acc:16690] [ENST00000442973]
0	-2.3615012	-2.8569312	KLHDC8A	Homo sapiens kelch domain containing 8A (KLHDC8A), mRNA [NM_018203]
0	-2.3606777	-2.5042715	XLOC_011797	BROAD Institute lincRNA (XLOC_011797), lincRNA [TCONS_00024477]
0	-2.34965	-3.552127	XLOC_007064	AGENCOURT_8903005 NIH_MGC.141 Homo sapiens cDNA clone IMAGE:6389455 5', mRNA sequence [BU590318]
0	-2.3342662	-3.5398684	LOC100128531	Homo sapiens uncharacterized LOC100128531 (LOC100128531), non-coding RNA [NR_038941]
0	-2.3269448	-3.2018847		Homo sapiens mRNA; cDNA DKFZp547H1510 (from clone DKFZp547H1510). [AL831877]
0	-2.3259087	-2.7552857	XLOC_011774	BROAD Institute lincRNA (XLOC_011774), lincRNA [TCONS_00024449]
0	-2.315988	-3.5107403	PTPRN2	IA-2beta AR ICAAR PT Homo sapiens protein tyrosine phosphatase, receptor type, N polypeptide 2 (PTPRN2), transcript variant 1, mRNA [NM_002847]
0	-2.3124962	-1.503798	XLOC_000587	BROAD Institute lincRNA (XLOC_000587), lincRNA [TCONS_00001308]
0	-2.28441	-2.0306888	FLJ26332	Homo sapiens cDNA FLJ26332 fis, clone HRT02453. [AK129842]
0	-2.281344	-2.9699001	XLOC_011056	BROAD Institute lincRNA (XLOC_011056), lincRNA [TCONS_00023122]
0	-2.2750077	-3.14887	XLOC_012851	BROAD Institute lincRNA (XLOC_012851), lincRNA [TCONS_00026719]
0	-2.2615685	-1.1478987	PCSK5	PC5 PC6 PC6A SPC6 Homo sapiens proprotein convertase subtilisin/kexin type 5 (PCSK5), transcript variant 2, mRNA [NM_006200]
0	-2.2578855	-3.4492974	XLOC_000506	BROAD Institute lincRNA (XLOC_000506), lincRNA [TCONS_00000359]
0	-2.2553606	-3.426083	NAT2	AAC2 NAT-2 PNAT Homo sapiens N-acetyltransferase 2 (arylamine N-acetyltransferase) (NAT2), mRNA [NM_000015]
0	-2.2391586	-3.4099646		immunoglobulin heavy variable 6-1 [Source:HGNC Symbol;Acc:5662] [ENST00000390593]
0	-2.2325456	-3.6936574	XLOC_008434	BROAD Institute lincRNA (XLOC_008434), lincRNA [TCONS_00018704]
0	-2.2255616	-1.1641493	LOC100505722	PREDICTED: Homo sapiens hypothetical LOC100505722 (LOC100505722), miscRNA [XR_109304]
0	-2.196929	-3.3803487	KRTAP4-6	KAP4.15 KAP4.6 KRTAP Homo sapiens keratin associated protein 4-6 (KRTAP4-6), mRNA [NM_030976]
0	-2.184043	-3.3765059	XLOC_006709	BROAD Institute lincRNA (XLOC_006709), lincRNA [TCONS_00014616]

0	-2.18155	-2.367436	XLOC_005941	UI-H-EU0-azk-k-10-0-UI.s1 NCI CGAP_Car1 Homo sapiens cDNA clone IMAGE: 5849985 3', mRNA sequence [BQ182905]
0	-2.1610942	-1.446857	JPH3	CAGL237 HDL2 JP-3 Jf Homo sapiens junctophilin 3 (JPH3), mRNA [NM_020655]
0	-2.1601472	-2.4183145	RGS16	A28-RGS14 A28-RGS1 Homo sapiens regulator of G-protein signaling 16 (RGS16), mRNA [NM_002928]
0	-2.1454434	-1.7286863	MYBL2	B-MYB BMYB Homo sapiens v-myb myeloblastosis viral oncogene homolog (avian)-like 2 (MYBL2), mRNA [NM_002466]
0	-2.1397128	-3.1006932	XLOC_008774	BROAD Institute lincRNA (XLOC_008774), lincRNA [TCONS_00017947]
0	-2.1395025	-3.3346257		olfactory receptor, family 11, subfamily H, member 7 (gene/pseudogene) [Source:HGNC Symbol;Acc:15350] [ENST00000553765]
0	-2.1018276	-1.4657469	XLOC_I2_001359	Q3SDF2_PART2 (Q3SDF2) EPI21 protein, partial (5%) [THC2694828]
0	-2.0941496	-3.2879171	SNORD115-2	Homo sapiens small nucleolar RNA, C/D box 115-2 (SNORD115-2), small nucleolar RNA [NR_003294]
0	-2.0871086	-3.894784	XLOC_006951	BX108468 Soares_testis_NHT Homo sapiens cDNA clone IMAGp998J144405, mRNA sequence [BX108468]
0	-2.0536985	-3.2478924	XLOC_009144	BROAD Institute lincRNA (XLOC_009144), lincRNA [TCONS_00019311]
0	-2.0481334	-2.0087762	KCNQ4	DFNA2 DFNA2A KV7.4 Homo sapiens potassium voltage-gated channel, KQT-like subfamily, member 4 (KCNQ4), transcript variant 1, mRNA [NM_004700]
0	-2.0478902	-3.2513642	XLOC_I2_011095	BROAD Institute lincRNA (XLOC_I2_011095), lincRNA [TCONS_I2_00021856]
0	-2.0478034	-2.0378246	FLJ12334	Homo sapiens uncharacterized LOC400946 (FLJ12334), non-coding RNA [NR_033875]
0	-2.0408115	-3.4669628	XLOC_000446	BROAD Institute lincRNA (XLOC_000446), lincRNA [TCONS_00000327]
0	-2.0391765	-3.2239785	XLOC_009605	BROAD Institute lincRNA (XLOC_009605), lincRNA [TCONS_00019805]
0	-2.0095305	-3.2024355	XLOC_003387	BROAD Institute lincRNA (XLOC_003387), lincRNA [TCONS_00006757]
0	-1.9923334	-3.1939378	OR1D5	C17orf2 OR17-2 OR17- Homo sapiens olfactory receptor, family 1, subfamily D, member 5 (OR1D5), mRNA [NM_014566]
0	-1.9900599	-3.200612	XLOC_004839	BROAD Institute lincRNA (XLOC_004839), lincRNA [TCONS_00010350]
0	-1.9846325	-1.6409907	HNF4G	NR2A2 NR2A3 hepatocyte nuclear factor 4, gamma [Source:HGNC Symbol;Acc:5026] [ENST00000396419]
0	-1.9649158	-3.1877875	XLOC_I2_009216	BROAD Institute lincRNA (XLOC_I2_009216), lincRNA [TCONS_I2_00017234]
0	-1.9272666	-2.5254693	LAMA4	LAMA3 LAMA4*-1 Homo sapiens laminin, alpha 4 (LAMA4), transcript variant 3, mRNA [NM_001105207]
0	-1.9270968	-3.1304202		BX093647 Soares_testis_NHT Homo sapiens cDNA clone IMAGp998F023561 ; IMAGE:1409665, mRNA sequence [BX093647]
0	-1.9243431	-1.4084883	TNRC6C	Homo sapiens trinucleotide repeat containing 6C (TNRC6C), transcript variant 1, mRNA [NM_001142640]
0	-1.9172974	-2.3211799	XLOC_009152	BROAD Institute lincRNA (XLOC_009152), lincRNA [TCONS_00019914]
0	-1.9161887	-1.6992121	XLOC_I2_007449	BROAD Institute lincRNA (XLOC_I2_007449), lincRNA [TCONS_I2_00013842]
0	-1.9159961	-3.1193051	XIST	Homo sapiens X (inactive)-specific transcript (non-protein coding) (XIST), non-coding RNA [NR_001564]
0	-1.9067798	-1.6977077	GNG4	Homo sapiens guanine nucleotide binding protein (G protein), gamma 4 (GNG4), transcript variant 1, mRNA [NM_001098722]
0	-1.904398	-1.1191063	XLOC_013952	BROAD Institute lincRNA (XLOC_013952), lincRNA [TCONS_00029031]
0	-1.8908734	-1.166347	LOC645262	PREDICTED: Homo sapiens phosphodiesterase 4D interacting protein-like (LOC645262), mRNA [XM_003403419]
0	-1.8890991	-3.4179997	LOC100129572	Homo sapiens cDNA FLJ38722 fis, clone KIDNE2010084. [AK096041]
0	-1.8866005	-2.3796916	CXorf61	CT83 KK-LC-1 KKLC1 Homo sapiens chromosome X open reading frame 61 (CXorf61), mRNA [NM_001017978]
0	-1.886539	-3.0666947	DDX25	GRTH Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 25 (DDX25), mRNA [NM_013264]
0	-1.8806214	-3.043754	VTCN1	B7-H4 B7H4 B7S1 B7X  Homo sapiens V-set domain containing T cell activation inhibitor 1 (VTCN1), mRNA [NM_024626]
0	-1.8611178	-3.0601172	XLOC_I2_009493	BROAD Institute lincRNA (XLOC_I2_009493), lincRNA [TCONS_I2_00017938]
0	-1.8594155	-2.3572755	XLOC_012863	BROAD Institute lincRNA (XLOC_012863), lincRNA [TCONS_00026542]
0	-1.8592281	-1.3057041	XLOC_005371	PREDICTED: Homo sapiens hypothetical LOC100506908 (LOC100506908), miscRNA [XR_108615]
0	-1.8478813	-3.0421677	XLOC_004427	DB294021 Y79AA1 Homo sapiens cDNA clone Y79AA1000242 5', mRNA sequence [DB294021]
0	-1.8313565	-3.0301528	XLOC_013611	BROAD Institute lincRNA (XLOC_013611), lincRNA [TCONS_00027982]
0	-1.8304877	-3.042728		tetratricopeptide repeat domain 6 [Source:HGNC Symbol;Acc:19739] [ENST00000382320]
0	-1.8283806	-3.023085	CALHM2	FAM26B calcium homeostasis modulator 2 [Source:HGNC Symbol;Acc:23493] [ENST00000393235]
0	-1.8208241	-1.7290006	XLOC_000909	Q2QUZ4_ORYSA (Q2QUZ4) Tetraspanin family, partial (5%) [THC2731633]
0	-1.8203163	-1.2976165	XLOC_009813	602695014F1 NIH_MGC_97 Homo sapiens cDNA clone IMAGE:4827386 5', mRNA sequence [BG721449]
0	-1.8168406	-2.720613	XLOC_I2_010863	
0	-1.8087773	-1.6241236	DISC1	Homo sapiens disrupted in schizophrenia 1 (DISC1), transcript variant q, mRNA [NM_001164554]
0	-1.8046427	-3.0065188	PCDH19	EFMR EIEE9 Homo sapiens protocadherin 19 (PCDH19), transcript variant 3, mRNA [NM_001184880]
0	-1.7932129	-2.7960358	ACR	Homo sapiens acrosin (ACR), mRNA [NM_001097]
0	-1.7825966	-1.3708444	MPZL3	Homo sapiens myelin protein zero-like 3 (MPZL3), mRNA [NM_198275]
0	-1.7800794	-1.1790915	PCSK5	PC5 PC6 PC6A SPC6 Homo sapiens proprotein convertase subtilisin/kexin type 5 (PCSK5), transcript variant 2, mRNA [NM_006200]
0	-1.77494	-1.2791562	DENND1B	C1ORF18 C1orf218 FAN Homo sapiens DENN/MADD domain containing 1B (DENND1B), transcript variant 3, mRNA [NM_001195215]
0	-1.7701249	-2.1753922	SYN3	Homo sapiens synapsin III (SYN3), transcript variant IIIa, mRNA [NM_003490]
0	-1.7642002	-1.3587527	SLC9A5	NHE5 solute carrier family 9 (sodium/hydrogen exchanger), member 5 [Source:HGNC Symbol;Acc:11078] [ENST00000360183]
0	-1.7581501	-1.7626977	ZNF214	BAZ-1 BAZ1 Homo sapiens zinc finger protein 214 (ZNF214), mRNA [NM_013249]
0	-1.752851	-1.4429626	CA1	CA-1 CAB Car1 Homo sapiens carbonic anhydrase I (CA1), transcript variant 2, mRNA [NM_001738]
0	-1.7390709	-2.9326315	XLOC_001596	BROAD Institute lincRNA (XLOC_001596), lincRNA [TCONS_00003801]
0	-1.7381363	-1.2102847	XLOC_006623	BROAD Institute lincRNA (XLOC_006623), lincRNA [TCONS_00013981]
0	-1.7228937	-1.8397512	CCDC163P	C1orf231 Homo sapiens coiled-coil domain containing 163, pseudogene (CCDC163P), transcript variant 1, non-coding RNA [NR_033298]
0	-1.7185345	-2.0554976	MED23	ARC130 CRSP130 CRSF Homo sapiens mediator complex subunit 23 (MED23), transcript variant 2, mRNA [NM_015979]
0	-1.7157836	-1.1053996	NHLRC1	EPM2A EPM2B MALIN b Homo sapiens NHL repeat containing 1 (NHLRC1), mRNA [NM_198586]
0	-1.7154455	-1.1412711		PREDICTED: Homo sapiens hypothetical LOC100506484 (LOC100506484), miscRNA [XR_108364]
0	-1.712338	-1.2877874	MOXD2P	MOXD2 Homo sapiens monooxygenase, DBH-like 2, pseudogene (MOXD2P), non-coding RNA [NR_024346]

0	-1.7014294	-1.6909008	SAGE1	CT14 SAGE	Homo sapiens sarcoma antigen 1 (SAGE1), mRNA [NM_018666]
0	-1.6991897	-1.1655412	LOC729159		PREDICTED: Homo sapiens UPF0607 protein ENSP00000381418-like (LOC729159), mRNA [XM_001129515]
0	-1.6903462	-1.5381908			Homo sapiens cDNA, FLJ97323. [AK307375]
0	-1.687222	-2.8949065	C4orf6	aC1	Homo sapiens chromosome 4 open reading frame 6 (C4orf6), mRNA [NM_005750]
0	-1.6858077	-1.7843723	SERPINA3	AACT ACT GIG25	Homo sapiens serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3 (SERPINA3), mRNA [NM_001085]
0	-1.6842704	-2.0393772	THAP7-AS1		Homo sapiens THAP7 antisense RNA 1 (non-protein coding) (THAP7-AS1), transcript variant 1, non-coding RNA [NR_027051]
0	-1.6826763	-2.8519855	XLOC_006043		PREDICTED: Homo sapiens hypothetical LOC100506725, transcript variant 2 (LOC100506725), miscRNA [XR_108768]
0	-1.6802359	-1.2649069	XLOC_003674		BROAD Institute lincRNA (XLOC_003674), lincRNA [TCONS_00008213]
0	-1.6689167	-2.9290938	PHF20L1		PHD finger protein 20-like 1 [Source:HGNC Symbol;Acc:24280] [ENST00000361997]
0	-1.668571	-1.1896005	XLOC_I2_005692		BROAD Institute lincRNA (XLOC_I2_005692), lincRNA [TCONS_I2_00010604]
0	-1.6657157	-1.4610658	XLOC_002595		BROAD Institute lincRNA (XLOC_002595), lincRNA [TCONS_00005964]
0	-1.6524887	-1.5352645	AGXT	AGT AGT1 AGXT1 PH1	Homo sapiens alanine-glyoxylate aminotransferase (AGXT), mRNA [NM_000030]
0	-1.6514959	-3.3514957			Q6E5H0_VERDA (Q6E5H0) NADH dehydrogenase subunit 1 (Fragment), partial (8%) [THC2754661]
0	-1.6502047	-1.2475266	LOC100507134		PREDICTED: Homo sapiens hypothetical LOC100507134 (LOC100507134), miscRNA [XR_108488]
0	-1.6498513	-2.829361	MKRN9P	MKRN5 MKRN9 MKRN9P	Homo sapiens makorin ring finger protein pseudogene 6, mRNA (cDNA clone IMAGE:5278542). [BC067894]
0	-1.6486678	-1.9513164	CTAG2	CAMEL CT2 CT6.2 CT6	Homo sapiens cancer/testis antigen 2 (CTAG2), transcript variant 2, mRNA [NM_020994]
0	-1.6337047	-1.1169586			Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E5RGS3] [ENST00000519738]
0	-1.6315503	-1.0629668	XLOC_003803		BROAD Institute lincRNA (XLOC_003803), lincRNA [TCONS_00008949]
0	-1.6217799	-2.8212395	XLOC_004653		BROAD Institute lincRNA (XLOC_004653), lincRNA [TCONS_00010185]
0	-1.6146727	-2.809309	XLOC_002621		BROAD Institute lincRNA (XLOC_002621), lincRNA [TCONS_00005996]
0	-1.611887	-2.8076138	LINC00116	NCRNA00116	Homo sapiens long intergenic non-protein coding RNA 116 (LINC00116), non-coding RNA [NR_027063]
0	-1.6100307	-2.8295808	XLOC_002356		DA017974 ADRGL2 Homo sapiens cDNA clone ADRGL2012306 5', mRNA sequence [DA017974]
0	-1.6044307	-1.2153182	ARHGEF19	WGEF	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 19 (ARHGEF19), mRNA [NM_153213]
0	-1.6036053	-1.1810021	XLOC_002716		BROAD Institute lincRNA (XLOC_002716), lincRNA [TCONS_00006104]
0	-1.596745	-2.746243	MTRNR2L5		Homo sapiens MT-RNR2-like 5 (MTRNR2L5), mRNA [NM_001190478]
0	-1.5953531	-1.785428	SERPINE3		Homo sapiens serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 3 (SERPINE3), mRNA [NM_001101320]
0	-1.593143	-2.0054278	XLOC_013370		BROAD Institute lincRNA (XLOC_013370), lincRNA [TCONS_00027385]
0	-1.5908251	-2.785554	XLOC_008269		BROAD Institute lincRNA (XLOC_008269), lincRNA [TCONS_00017391]
0	-1.5881262	-1.1149573	DISC1		Homo sapiens disrupted in schizophrenia 1 (DISC1), transcript variant n, mRNA [NM_001164551]
0	-1.5754952	-2.7728906	ATP4B	ATP6B	Homo sapiens ATPase, H <sup>+</sup> /K <sup>+</sup> exchanging, beta polypeptide (ATP4B), mRNA [NM_000705]
0	-1.5634899	-2.7343125	XLOC_I2_013124		
0	-1.5627961	-2.823433			coiled-coil domain containing 162, pseudogene [Source:HGNC Symbol;Acc:21565] [ENST00000440451]
0	-1.5610323	-1.2201924			PREDICTED: Homo sapiens hypothetical protein LOC100128064 (LOC100128064), mRNA [XM_001725877]
0	-1.5572367	-1.7081962	XLOC_005730		zt85h04.r1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:729175 5', mRNA sequence [AA397666]
0	-1.5532355	-2.8085847	GIPC3	C19orf64 DFNB15 DFNE	Homo sapiens GIPC PDZ domain containing family, member 3 (GIPC3), mRNA [NM_133261]
0	-1.5427928	-2.9652715	CALB1	CALB	Homo sapiens calbindin 1, 28kDa (CALB1), mRNA [NM_004929]
0	-1.5404797	-2.7426949	LOC100131822		Homo sapiens cDNA FLJ46421 fis, clone THYMU3013197. [AK128841]
0	-1.5366573	-2.7227197	XLOC_I2_013295		BROAD Institute lincRNA (XLOC_I2_013295), lincRNA [TCONS_I2_00025695]
0	-1.5341783	-1.0758605	XLOC_001265		
0	-1.5266032	-2.72184	LOC100507410		Homo sapiens uncharacterized LOC100507410 (LOC100507410), transcript variant 1, non-coding RNA [NR_040018]
0	-1.5257411	-2.787929	KIAA0040		Homo sapiens KIAA0040 (KIAA0040), transcript variant 2, mRNA [NM_014656]
0	-1.5231752	-1.33107	LOC285419		Homo sapiens uncharacterized LOC285419 (LOC285419), transcript variant 2, non-coding RNA [NR_027106]
0	-1.5227737	-1.1994648			major histocompatibility complex, class I, P (pseudogene) [Source:HGNC Symbol;Acc:21196] [ENST00000411514]
0	-1.5145192	-1.0509543	CDRT8		qf35h11.x1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:1752069 3', mRNA sequence [AI150443]
0	-1.5017343	-1.718061	P39192		ALU5_HUMAN (P39192) Alu subfamily SC sequence contamination warning entry, partial (13%) [THC2717546]
0	-1.4937072	-2.7057037	XLOC_I2_011922		BROAD Institute lincRNA (XLOC_I2_011922), lincRNA [TCONS_I2_00023650]
0	-1.4932408	-2.0528111	LOC339788		Homo sapiens uncharacterized LOC339788 (LOC339788), non-coding RNA [NR_015405]
0	-1.4927115	-1.0049424	XLOC_000939		BROAD Institute lincRNA (XLOC_000939), lincRNA [TCONS_00001609]
0	-1.4909563	-1.1194072			hydroxysteroid (17-beta) dehydrogenase 1 pseudogene 1 [Source:HGNC Symbol;Acc:5216] [ENST00000442612]
0	-1.4869871	-1.254005	ACE2	ACEH	Homo sapiens angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 (ACE2), mRNA [NM_021804]
0	-1.486721	-2.4969769	LOC339666		Homo sapiens uncharacterized LOC339666 (LOC339666), non-coding RNA [NR_038918]
0	-1.4867129	-1.2310629	XLOC_006980		BROAD Institute lincRNA (XLOC_006980), lincRNA [TCONS_00014913]
0	-1.4845004	-1.4474082	XLOC_014364		PT1.3_03_G05.r tumor1 Homo sapiens cDNA 5', mRNA sequence [AI525606]
0	-1.4836206	-2.6696625	XLOC_009500		BROAD Institute lincRNA (XLOC_009500), lincRNA [TCONS_00019702]
0	-1.4817605	-1.5213866	LOC100616530		Homo sapiens tospeak (LOC100616530), transcript variant 6, non-coding RNA [NR_038206]
0	-1.4795513	-2.6806145	XLOC_004227		BROAD Institute lincRNA (XLOC_004227), lincRNA [TCONS_00009205]
0	-1.4769297	-2.614676	STAB1	CLEVER-1 FEEL-1 FEL	Homo sapiens stabilin 1 (STAB1), mRNA [NM_015136]
0	-1.4753289	-2.6769614	XLOC_014263		BROAD Institute lincRNA (XLOC_014263), lincRNA [TCONS_00029612]
0	-1.4712148	-1.7310967	GOLGA6L1		Homo sapiens golgin A6 family-like 1 (GOLGA6L1), mRNA [NM_001001413]
0	-1.4665656	-1.8090887	DNAH10		Homo sapiens dynein, axonemal, heavy chain 10 (DNAH10), mRNA [NM_207437]

0	-1.4631457	-2.5956569	XLOC_I2_003292	BROAD Institute lincRNA (XLOC_I2_003292), lincRNA [TCONS_I2_00006110]
0	-1.4622145	-1.3484554	RPS6KL1	Homo sapiens ribosomal protein S6 kinase-like 1 (RPS6KL1), mRNA [NM_031464]
0	-1.4597192	-1.6780457	HTATSF1P2	Homo sapiens mRNA; cDNA DKFZp686I2072 (from clone DKFZp686I2072). [BX648511]
0	-1.4554381	-2.677105	XLOC_011583	PREDICTED: Homo sapiens hypothetical LOC100507166 (LOC100507166), miscRNA [XR_109222]
0	-1.4532342	-1.5106168	ARSD-AS1	PREDICTED: Homo sapiens hypothetical LOC100506356 (LOC100506356), miscRNA [XR_110924]
0	-1.4525714	-1.3560691	ALOX15	15-LOX-1 15LOX-1 Homo sapiens arachidonate 15-lipoxygenase (ALOX15), mRNA [NM_001140]
0	-1.4524384	-2.7867951	ARL9	Homo sapiens ADP-ribosylation factor-like 9 (ARL9), mRNA [NM_206919]
0	-1.4461813	-1.1654143	XLOC_006181	602722001F1 NIH_MGC_97 Homo sapiens cDNA clone IMAGE:4838689 5', mRNA sequence [BG773244]
0	-1.3991346	-1.7584057	AQP8	AQP-8 Homo sapiens aquaporin 8 (AQP8), mRNA [NM_001169]
0	-1.3970003	-1.3103123	XLOC_011299	BROAD Institute lincRNA (XLOC_011299), lincRNA [TCONS_00023453]
0	-1.3905864	-2.9039469	FUT9	Fuc-TIX Homo sapiens fucosyltransferase 9 (alpha (1,3) fucosyltransferase) (FUT9), mRNA [NM_006581]
0	-1.3827972	-1.8840685	RIBC1	2610028I09Rik Homo sapiens RIB43A domain with coiled-coils 1 (RIBC1), transcript variant 1, mRNA [NM_001031745]
0	-1.3636084	-1.7862811	LOC390937	PREDICTED: Homo sapiens Ets2 repressor factor-like (LOC390937), mRNA [XM_003403707]
0	-1.340497	-2.6471972	LOC100508751	PREDICTED: Homo sapiens hypothetical LOC100508751 (LOC100508751), miscRNA [XR_112271]
0	-1.3398237	-1.234201	NRIP3	C11orf14 NY-SAR-105 Homo sapiens nuclear receptor interacting protein 3 (NRIP3), mRNA [NM_020645]
0	-1.3258269	-4.2729397	EFR3B	KIAA0953 Homo sapiens mRNA for KIAA0953 protein, partial cds. [AB023170]
0	-1.3106155	-1.0370722	XLOC_003225	BROAD Institute lincRNA (XLOC_003225), lincRNA [TCONS_00007244]
0	-1.3068638	-1.103262	DMBX1	MBX OTX3 PAXB Homo sapiens diencephalon/mesencephalon homeobox 1 (DMBX1), transcript variant 2, mRNA [NM_147192]
0	-1.2986679	-1.1673393	PTPN5	PTPSTEP STEP Homo sapiens protein tyrosine phosphatase, non-receptor type 5 (striatum-enriched) (PTPN5), transcript variant 1, mRNA [NM_006906]
0	-1.29192	-1.4752393	XLOC_002735	BROAD Institute lincRNA (XLOC_002735), lincRNA [TCONS_00006134]
0	-1.2623305	-2.3774362	XLOC_006008	BROAD Institute lincRNA (XLOC_006008), lincRNA [TCONS_00013372]
0	-1.261457	-1.377028	RGS11	RS11 Homo sapiens regulator of G-protein signaling 11 (RGS11), transcript variant 2, mRNA [NM_003834]
0	-1.2556262	-1.531507		Homo sapiens cDNA FLJ16171 fis, clone BRHIP2003272. [AK131247]
0	-1.2523031	-1.2737966	LEPR	CD295 LEP-R OB-R OB Homo sapiens leptin receptor (LEPR), transcript variant 3, mRNA [NM_001003679]
0	-1.2517707	-1.0332451	TM6SF1	Homo sapiens transmembrane 6 superfamily member 1 (TM6SF1), transcript variant 1, mRNA [NM_023003]
0	-1.2356224	-2.0959735	XLOC_006283	BROAD Institute lincRNA (XLOC_006283), lincRNA [TCONS_00014228]
0	-1.2240372	-1.6847954	EME2	SLX2B gs125 Homo sapiens essential meiotic endonuclease 1 homolog 2 (S. pombe) (EME2), mRNA [NM_001010865]
0	-1.2072263	-2.10017014	ATP2B1	PMCA1 PMCA1kb Homo sapiens ATPase, Ca <sup>++</sup> transporting, plasma membrane 1 (ATP2B1), transcript variant 1, mRNA [NM_001001323]
0	-1.1976624	-2.1970782	HMGA1P7	Homo sapiens high mobility group AT-hook 1 pseudogene 7 (HMGA1P7), non-coding RNA [NR_037938]
0	-1.195622	-2.0337524		Q2RH40_MOOTA (Q2RH40) Inner-membrane translocator, partial (5%) [THC2750096]
0	-1.1923385	-1.2490535	SUN3	SUNC1 Homo sapiens Sad1 and UNC84 domain containing 3 (SUN3), transcript variant 1, mRNA [NM_001030019]
0	-1.1894283	-2.2780585	SIRPD	PTPNS1L2 dJ576H24.4 Homo sapiens signal-regulatory protein delta (SIRPD), mRNA [NM_178460]
0	-1.1857204	-1.1967411	KRTAP20-3	KAP19D KAP20.3 KRTA Homo sapiens keratin associated protein 20-3 (KRTAP20-3), mRNA [NM_001128077]
0	-1.176044	-1.7889819	CXADRP3	Homo sapiens coxsackievirus and adenovirus receptor pseudogene 3 (CXADRP3), non-coding RNA [NR_024076]
0	-1.1735463	-1.2267842	XLOC_I2_001222	BROAD Institute lincRNA (XLOC_I2_001222), lincRNA [TCONS_I2_00002729]
0	-1.1472521	-1.5215364	SNORD125	Homo sapiens small nucleolar RNA, C/D box 125 (SNORD125), small nucleolar RNA [NR_003686]
0	-1.1395783	-3.4581666	LOC100506414	PREDICTED: Homo sapiens hypothetical LOC100506414 (LOC100506414), miscRNA [XR_108963]
0	-1.1375346	-2.1336613	XLOC_000377	BROAD Institute lincRNA (XLOC_000377), lincRNA [TCONS_00000293]
0	-1.1139574	-3.0123954	XLOC_010743	Q8RLX7_STRPY (Q8RLX7) Collagen-like protein 2, partial (6%) [THC2606148]
0	-1.1121006	-1.2405043	XLOC_001642	BROAD Institute lincRNA (XLOC_001642), lincRNA [TCONS_00003836]
0	-1.109591	-1.2789321	LOC729860	Homo sapiens cDNA FLJ41667 fis, clone FEBRA2028366. [AK123661]
0	-1.1076908	-1.632616	LOC100129373	Homo sapiens cDNA FLJ46014 fis, clone SPLEN2011252. [AK127907]
0	-1.0921273	-1.0426769	ADAM18	ADAM27 tMDCIII Homo sapiens ADAM metalloproteinase domain 18 (ADAM18), transcript variant 1, mRNA [NM_014237]
0	-1.0870996	-1.0338869	PROP1	CPHD2 PROP-1 Homo sapiens PROP paired-like homeobox 1 (PROP1), mRNA [NM_006261]
0	-1.0848973	-2.1177006	CCDC144A	Homo sapiens coiled-coil domain containing 144A (CCDC144A), mRNA [NM_014695]
0	-1.0679865	-1.4335551	LOC257396	Homo sapiens uncharacterized LOC257396 (LOC257396), non-coding RNA [NR_034107]
0	-1.0628457	-2.37569	ZNF584	zinc finger protein 584 [Source:HGNC Symbol;Acc:27318] [ENST00000354635]
0	-1.060601	-4.1016335	GALM	IBD1 Homo sapiens galactose mutarotase (aldose 1-epimerase) (GALM), mRNA [NM_138801]
0	-1.0527034	-2.0380564	XLOC_I2_002100	CR741727 Soares_testis_NHT Homo sapiens cDNA clone IMAGp91J0269 ; IMAGE:1641700 5', mRNA sequence [CR741727]
0	-1.0505795	-1.9714723	XLOC_007488	BROAD Institute lincRNA (XLOC_007488), lincRNA [TCONS_00016096]
0	-1.0486655	-1.4175453	PAPD5	TRF4-2 Homo sapiens PAP associated domain containing 5 (PAPD5), transcript variant 1, mRNA [NM_001040284]
0	-1.0399017	-1.5837021	BCKDHA	BCKDE1A MSU MSUD1 branched chain keto acid dehydrogenase E1, alpha polypeptide [Source:HGNC Symbol;Acc:986] [ENST00000378196]
0	-1.0378156	-1.0221763	MAML3	CAGH3 ERDA3 GDN MA Homo sapiens mastermind-like 3 (Drosophila) (MAML3), mRNA [NM_018717]
0	-1.0282683	-2.3889174	XLOC_000211	BROAD Institute lincRNA (XLOC_000211), lincRNA [TCONS_00000953]
0	-1.0112336	-1.2552242	ATG4C	APG4-C APG4C AUTL1 Homo sapiens ATG4 autophagy related 4 homolog C (S. cerevisiae) (ATG4C), transcript variant 1, mRNA [NM_032852]
0	-1.0109515	-1.2060361	NCAM1	CD56 MSK39 NCAM Homo sapiens neural cell adhesion molecule 1 (NCAM1), transcript variant 3, mRNA [NM_001076682]
0	-1.0046666	-1.2523179	LINC00339	Homo sapiens long intergenic non-protein coding RNA 339 (LINC00339), transcript variant 1, non-coding RNA [NR_023918]