Supplementary Information for

Direct cell-to-cell transfer in stressed tumor microenvironment aggravates tumorigenic or metastatic potential in pancreatic cancer

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Supplementary appendix

Table of contents

Supplementary Figures 2

Supplementary Figure 1: Increased numbers of vacuoles or enlarged cytoplasm following DFCs isolation 2

Supplementary Figure 2: Genome characterization of pancreatic derivative cells from direct cell-to-cell transfer 5

Supplementary Figure 3: Enhanced tumorsphere formation or invasive activity of pancreatic derivative cells from direct cell-to-cell transfer 7

Supplementary Figure 4: Proteomic analysis of TME-derived exosomes 8

Supplementary Figure 5: Effect of CD24/CD44/MCT1 suppression on both tumorsphering and invasive activities of pancreatic derivative cancer cells 9

Supplementary Figure 6: Analysis of CD24, CD44, and SLC16A1 expression in pancreatic cancer-patient tissue samples 11

Supplementary Tables 12

Supplementary Table 1: Transcriptomic data of pancreatic derivative cells generated via direct cell-to-cell transfer 12

Supplementary Table 2: Proteomic analysis of the lysates of derivative cells (Panc0203, SP0926, SP1030) 172

Supplementary Table 3: Proteomic analysis of TME-derived exosomes compared to normal TME exosomes (commonly found spots) 173

Supplementary Table 4: Proteomic analysis of TME-derived exosomes compared to normal TME exosomes (Unpaired spots) 174

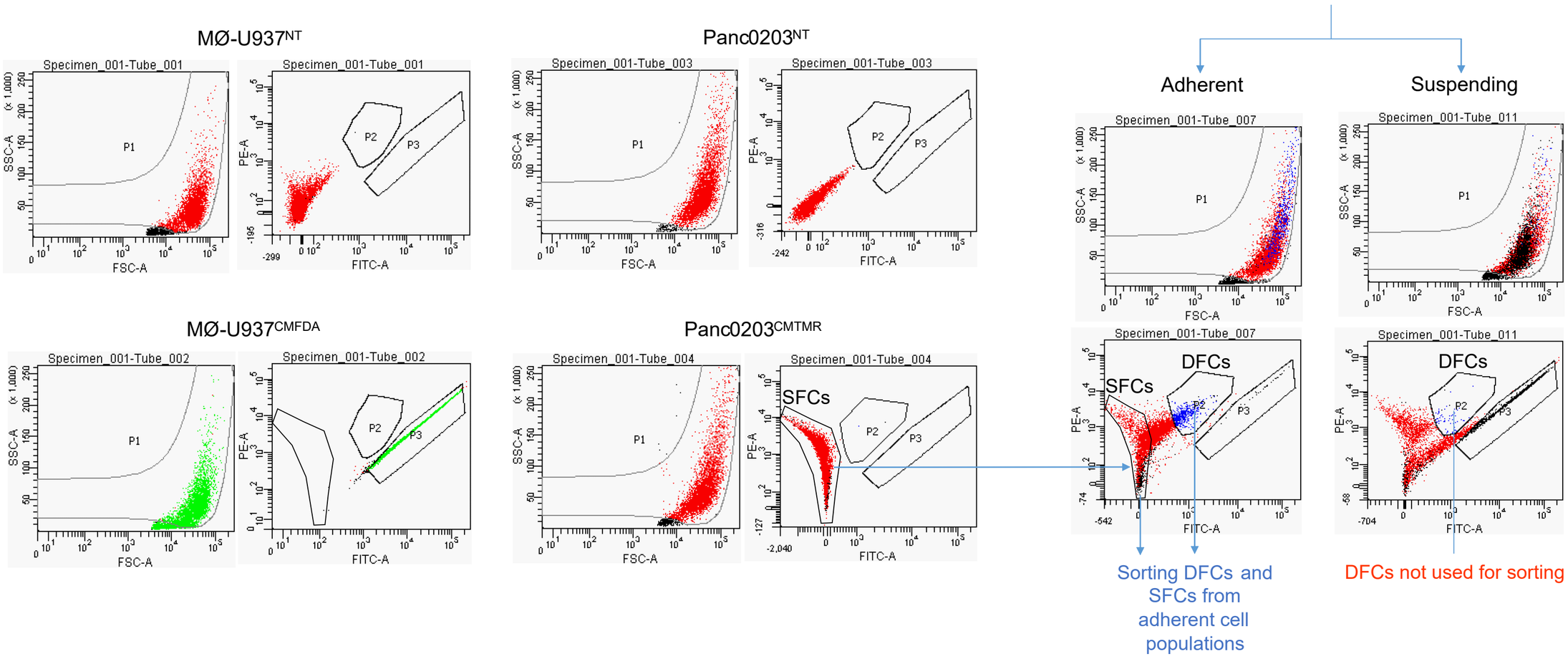
Supplementary Videos 175

Supplementary Video 1: Spontaneous TNTs formation from a derivative cell line. Bright-field light microscopy images of SP0926..... 175

Supplementary Video 2: Densely embedded spots of green fluorescent dye acquired from MØ-U937^{CMFDA} in CMTMR-positive pancreatic cancer cells..... 175

Supplementary Figure 1

a



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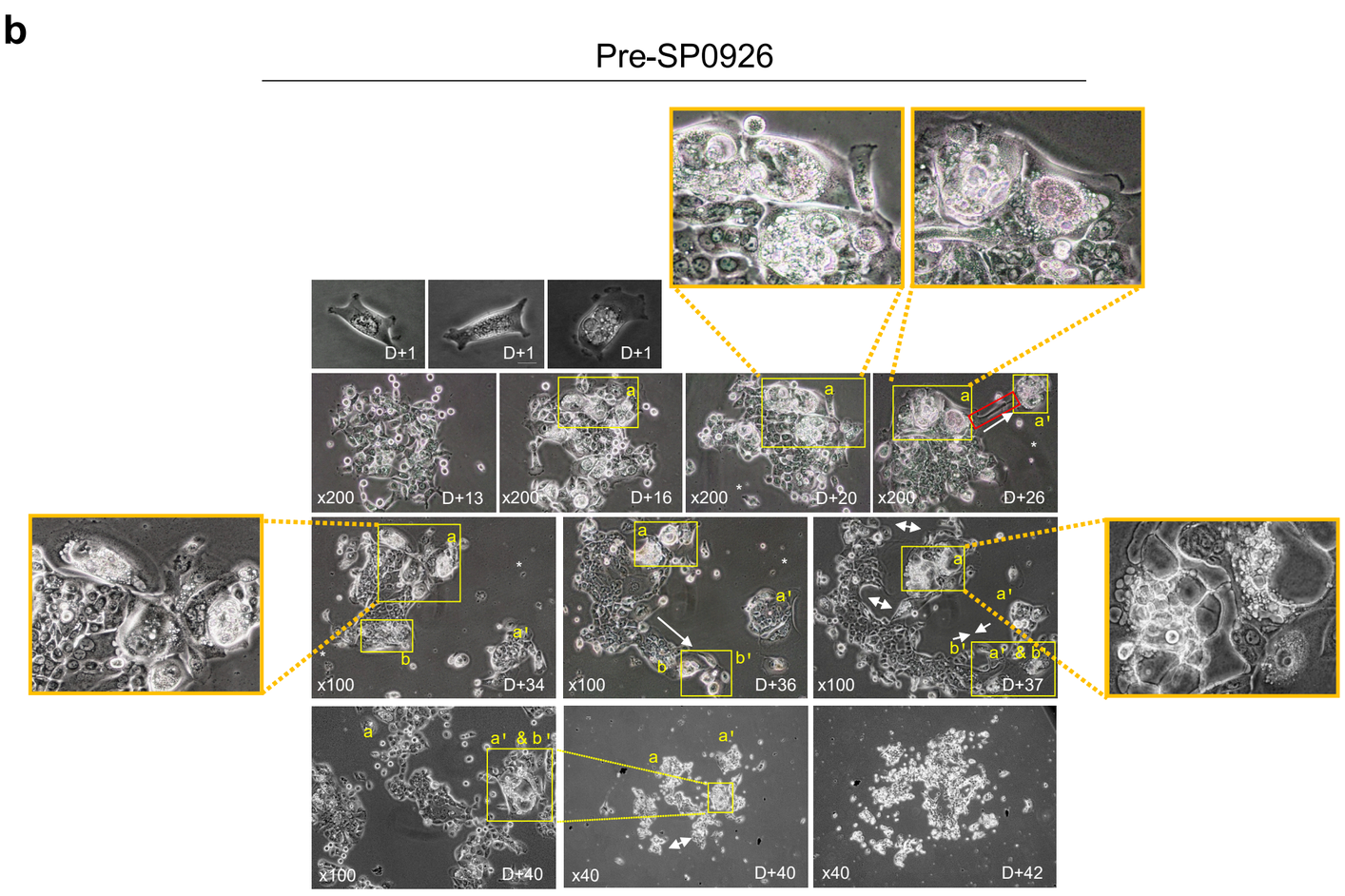
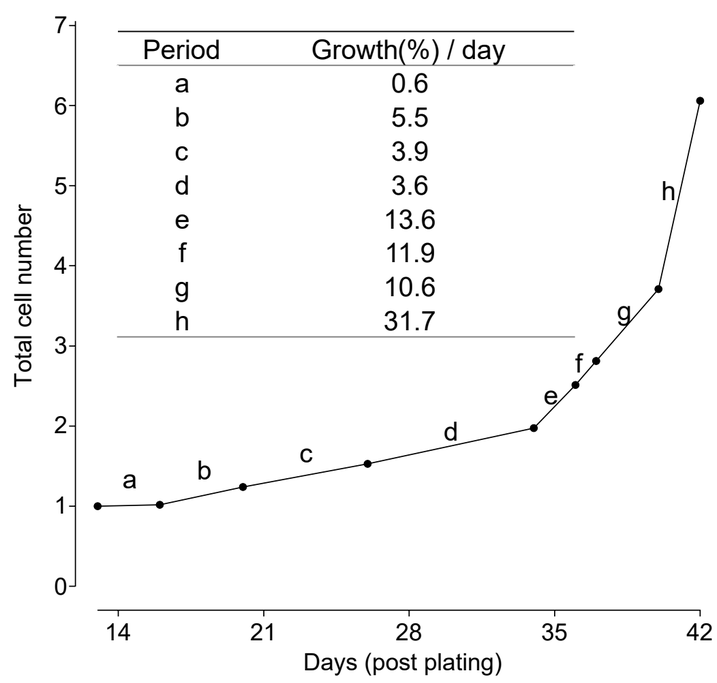


Period	Growth(%) / day
a	0.6
b	5.5
c	3.9
d	3.6
e	13.6
f	11.9
g	10.6
h	31.7



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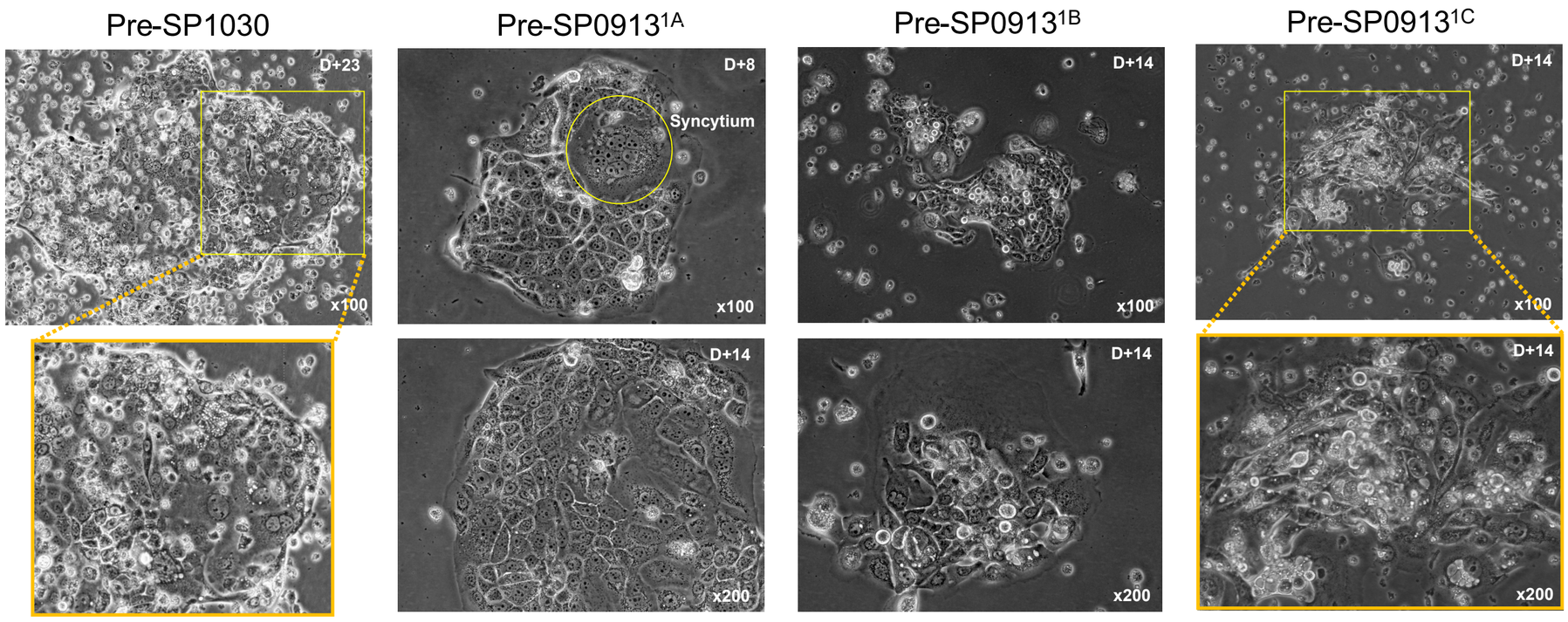
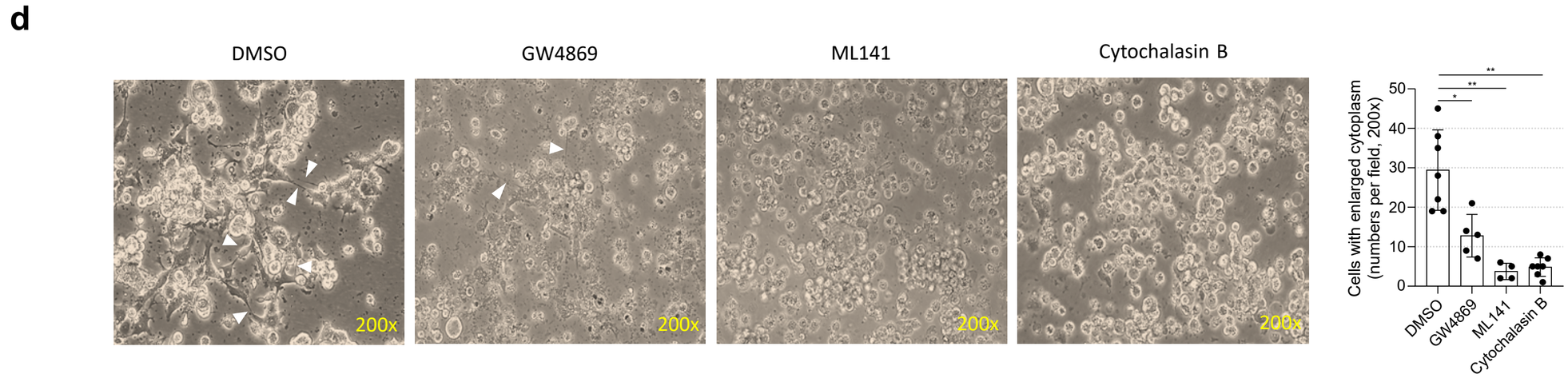
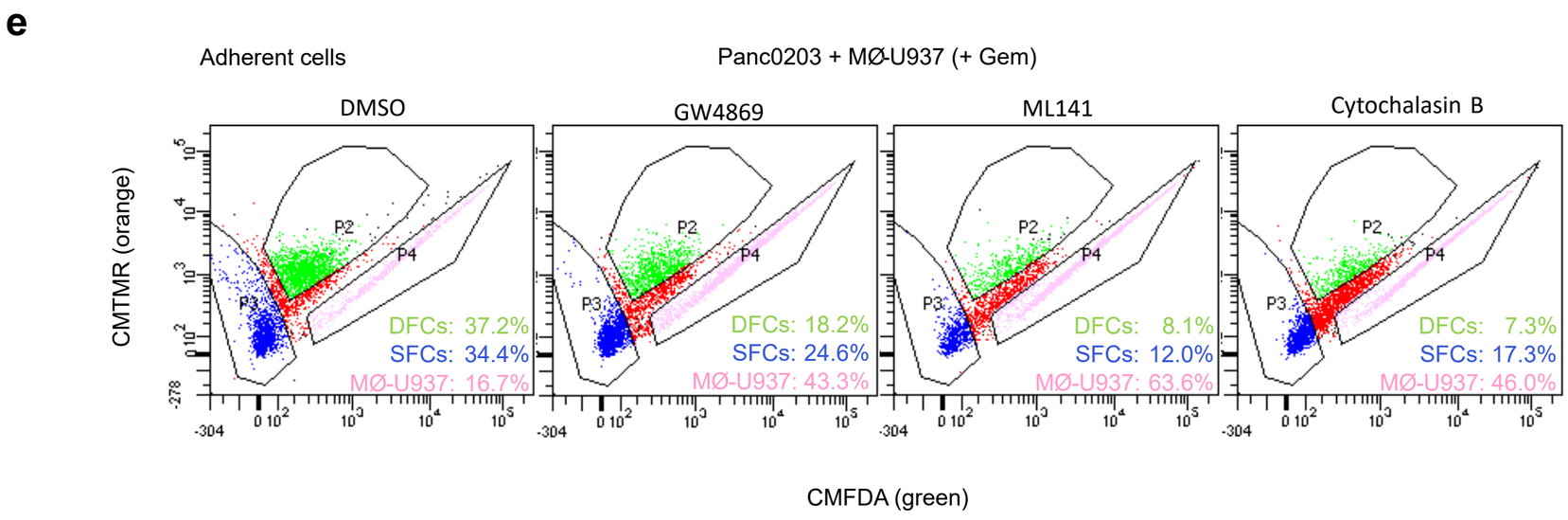
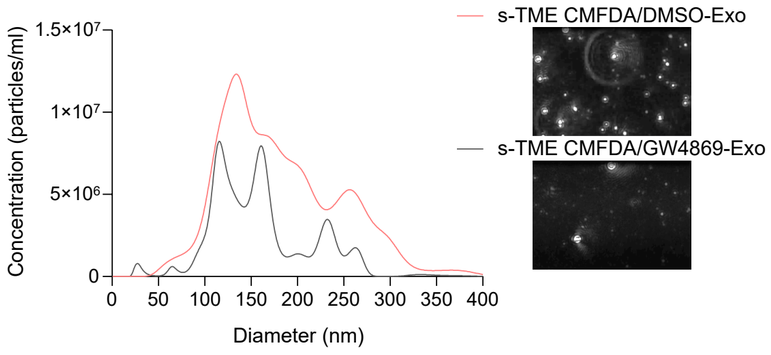


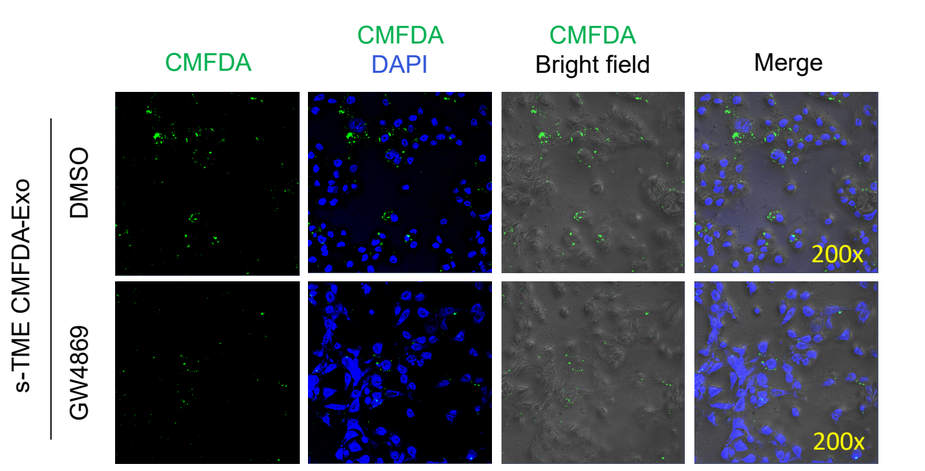
Supplementary Figure 1

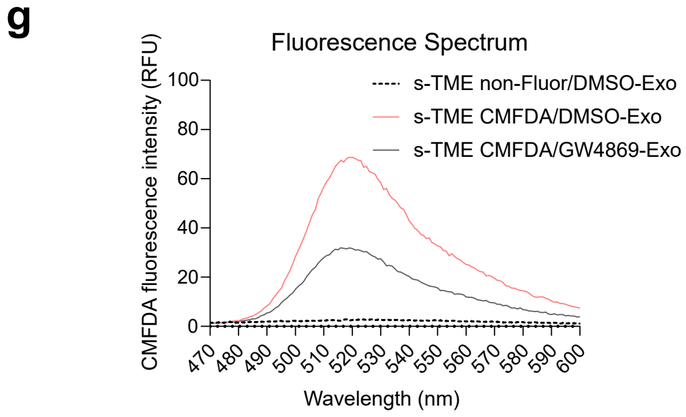


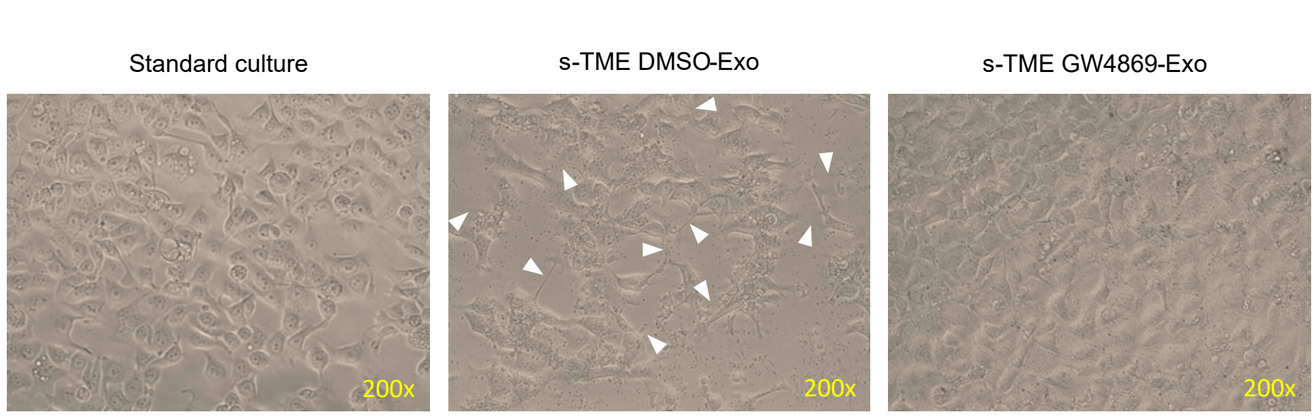


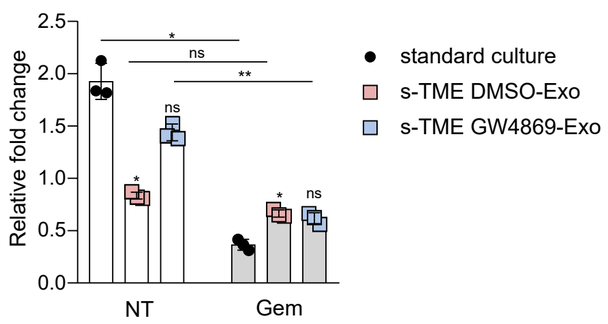


	Concentration (Mean +/- Standard Error; particles/ml)	Mean diameter (nm)
s-TME CMFDA /DMSO-Exo	$1.48*10^9 \pm 4.5*10^7$	181.4
s-TME CMFDA /GW4869-Exo	$6.56*10^8 \pm 8.75*10^7$	161.6







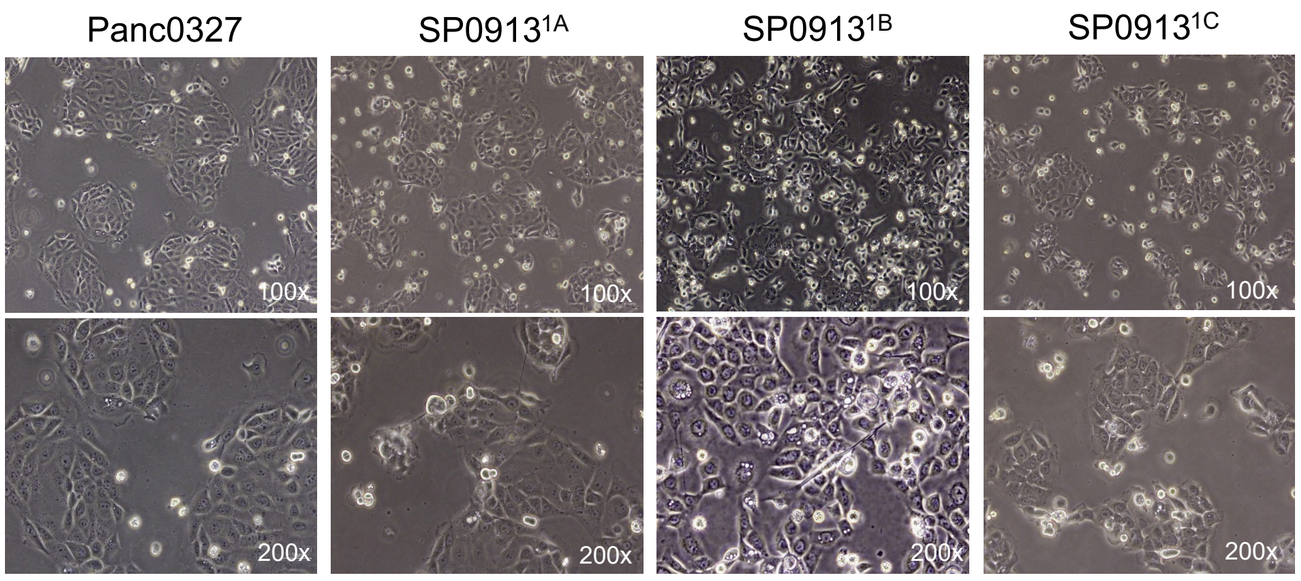


Supplementary Figure 1

Supplementary Figure 1. Increased numbers of vacuoles or enlarged cytoplasm following DFCs isolation. a The gating strategy used for DFCs and SFCs sorting. Set up a sorting area for adherent CMFDA/CMTMR double-fluorescence positive cells (DFCs) and for adherent CMTMR single-fluorescence positive cells (SFCs) of the s-TME model. DFCs, which are exclusive against all the other cell populations (MØ-U937^{NT}, MØ-U937^{CMFDA}, Panc0203^{NT} and Panc0203^{CMTMR} cells) presented on Fig. 1c-e and Supplementary Fig. 1e. SFCs, which are exclusive against DFCs and MØ-U937^{CMFDA} cell populations presented on Fig. 1c, d and Supplementary Fig. 1e. **b** Multiple formation of bulk-bodied regions (yellow bounding boxes) and a stretching-body (a red border box) of pre-SP0926 (isolated DFCs) during a period of low growth rate (right chart) before the SP0926 cell line was established. A close-up view of one of the bulk-bodied areas is displayed in a orange border box. Arrow; migration route of proliferating cells. a', b'; a migrated cell population from a or b. **c** Multiple formation of bulk-bodied regions (yellow bounding boxes) of pre-SP colonies (sorted DFCs) during early period of time before establishment of each SP cell line (SP1030 and SP0913[1A, 1B, 1C]). Close-up views of one of the bulk-bodied areas (orange border boxes). Syncytium (a yellow circle). **d** Observation of the blocking effect of exosome biosynthesis/release and TNT formation on the morphology of Panc0203^{CMTMR} and MØ-U937^{CMFDA} cells at the final point of the s-TME model before cell collection for flow cytometry. Left, bight-field light microscopy images. Arrow heads indicate TNTs. Right, One-way ANOVA test. * $P \leq 0.05$; ** $P \leq 0.01$. **e** The percentage of DFCs from the adherent cells exposed to the inhibitors (GW4869, ML141 or Cytochalasin B) in s-TME model. Flow cytometry data. 10 μM GW4869, 10 μM ML141 and 100 nM Cytochalasin B. **f** Nanoparticle Tracking Analysis (NTA) of purified exosomes. NTA was performed at 25˚C. Concentration (Mean +/- Standard Error; particles/ml). Mean diameter (nM). s-TME CMFDA/DMSO-Exo (purified exosomes from conditioned media of CMFDA/DMSO-treated s-TME model), s-TME CMFDA/GW4869-Exo (purified exosomes from conditioned media of CMFDA/GW4869-treated s-TME model). **g** Quantification of exosome fluorescence intensity. CMFDA (Ex/Em: 492/517 nm) fluorescence signal quantification was performed and the spectrum is presented within 470-600 nm range. s-TME non-flour/DMSO-Exo (purified exosomes from conditioned media of non-flurescent/DMSO-treated s-TME model), s-TME CMFDA/DMSO-Exo (purified exosomes from conditioned media of CMFDA/DMSO-treated s-TME model), s-TME CMFDA/GW4869-Exo (purified exosomes from conditioned media of CMFDA/GW4869-treated s-TME model). **h** Confocal images of exosome-transferred cells (Green spots: s-TME CMFDA/DMSO-Exo or s-TME CMFDA/GW4869-Exo). Confocal images of Panc0203 after s-TME CMFDA/DMSO-Exo treatment for 20 h. Z-stack views in the same field: scale bar, 10 μm. **i** Bright-field light microscopy images of normal Panc0203 cells and the Panc0203 cells exposed to s-TME DMSO-Exo (purified exosomes from conditioned media of DMSO-treated s-TME model) or s-TME GW4869-Exo (purified exosomes from conditioned media of GW4869-treated s-TME model) for 20 h. Arrow heads indicate TNTs. **j** Proliferation and viability was observed 24 h after s-TME DMSO-Exo or s-TME GW4869-Exo treatment. The reference value for calculating the relative fold change is the value obtained at 0 h control in Panc0203 cells. Gemcitabine (250 μM). * $P \leq 0.05$; ** $P \leq 0.01$. One-way ANOVA test. Data are presented as the mean values ± standard deviation (SD).

Supplementary Figure 2

a



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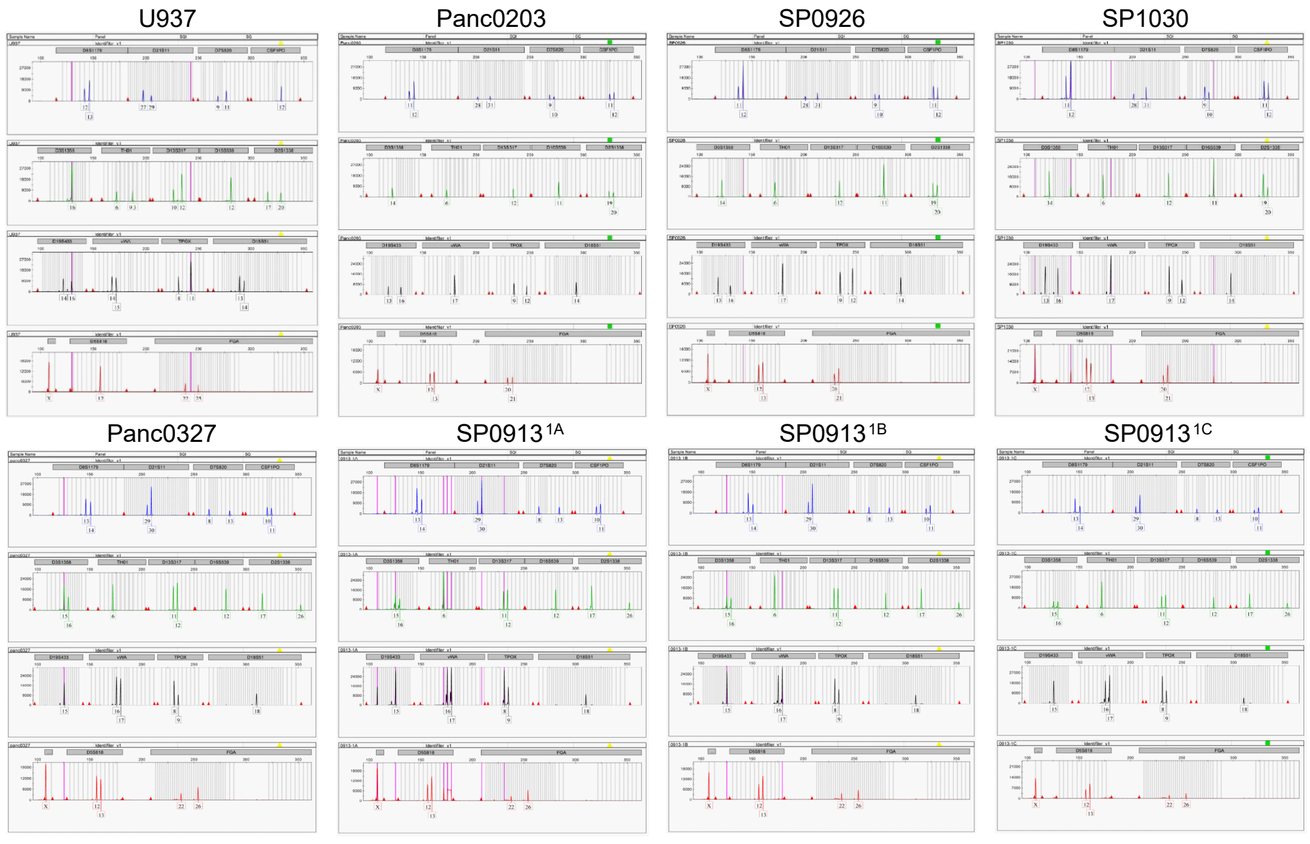

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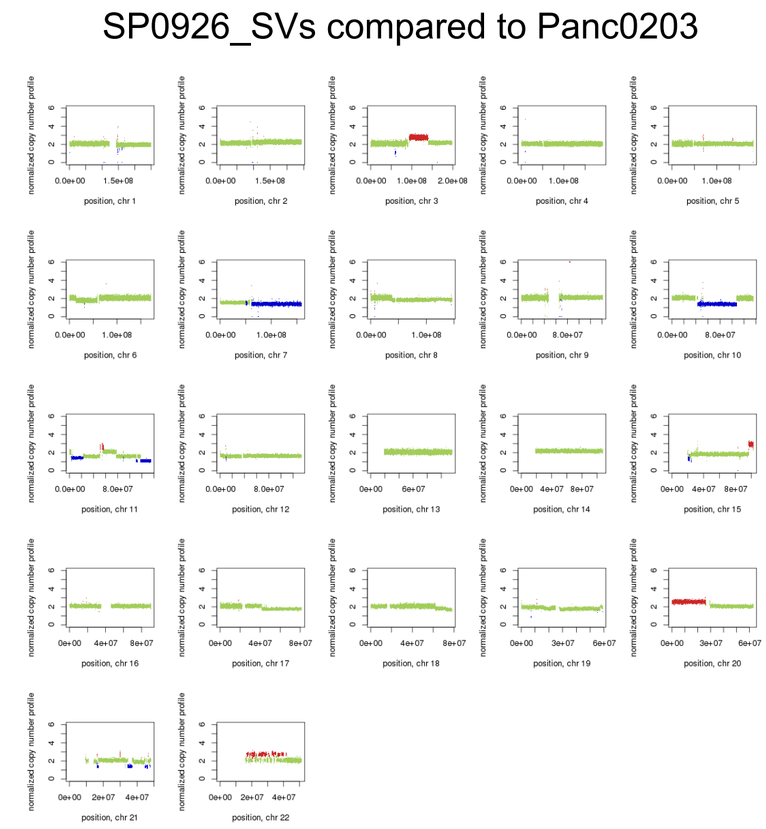

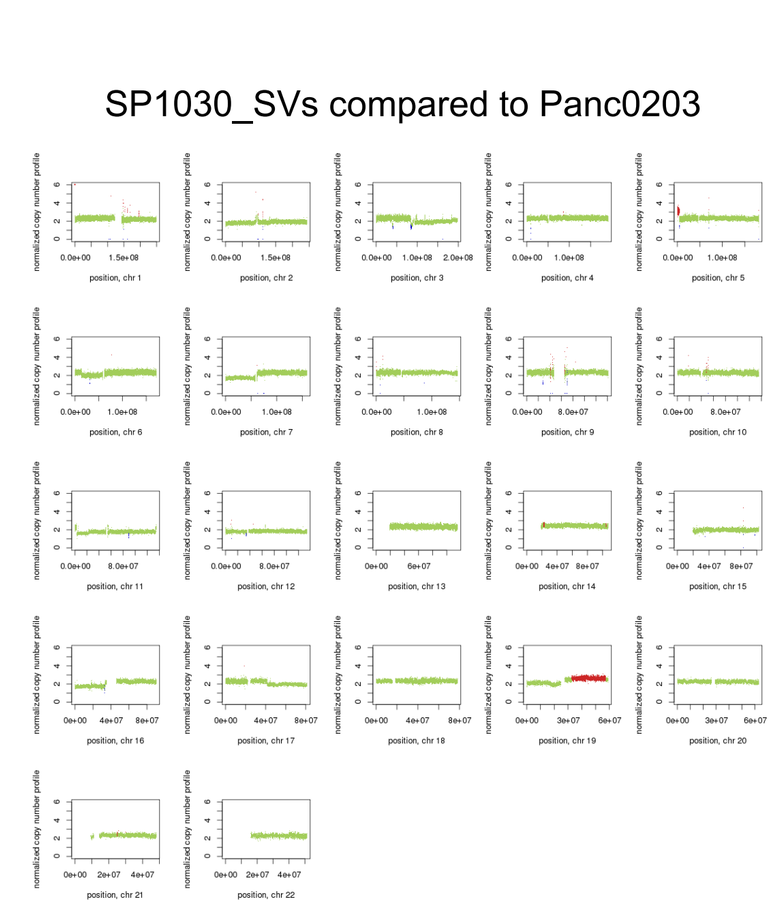

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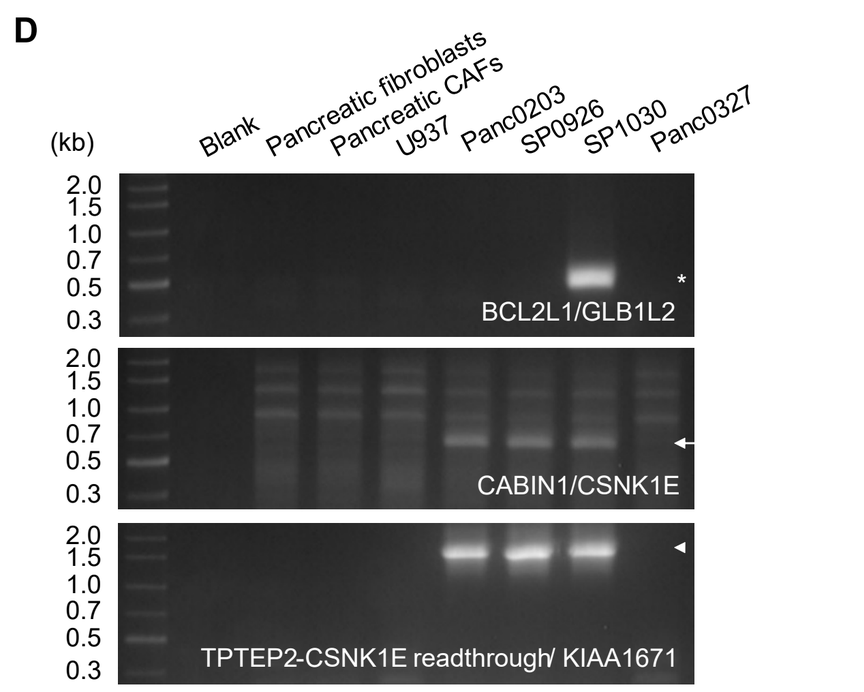
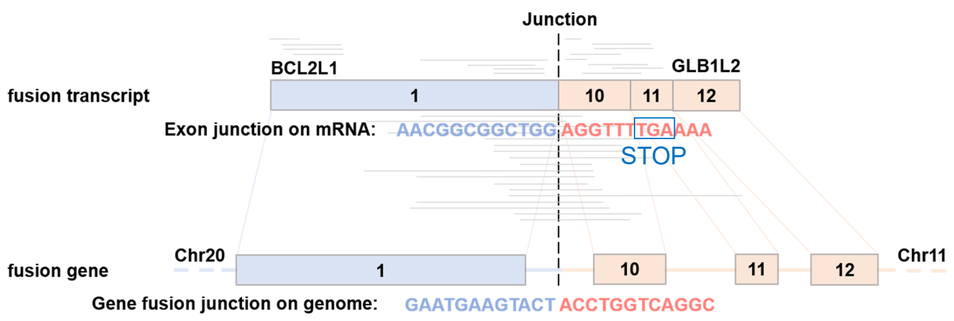
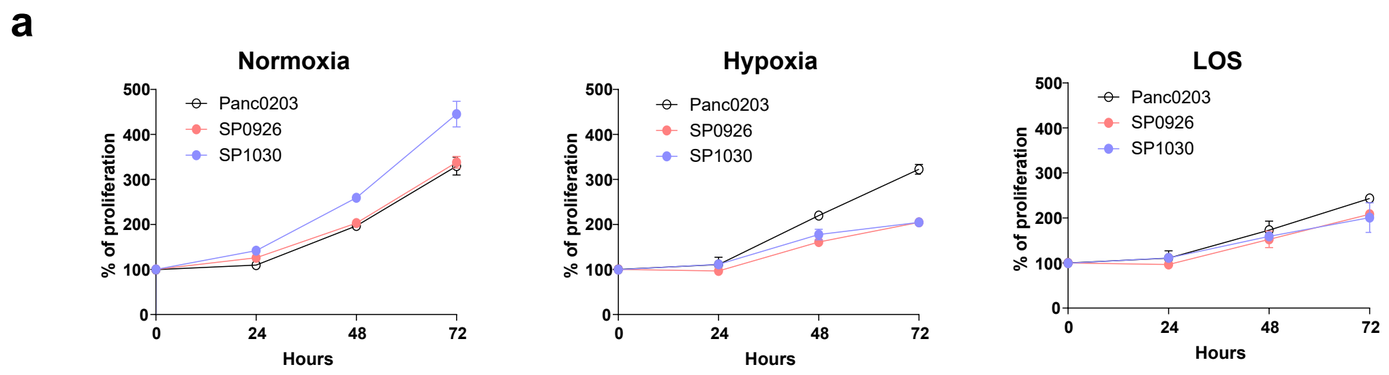




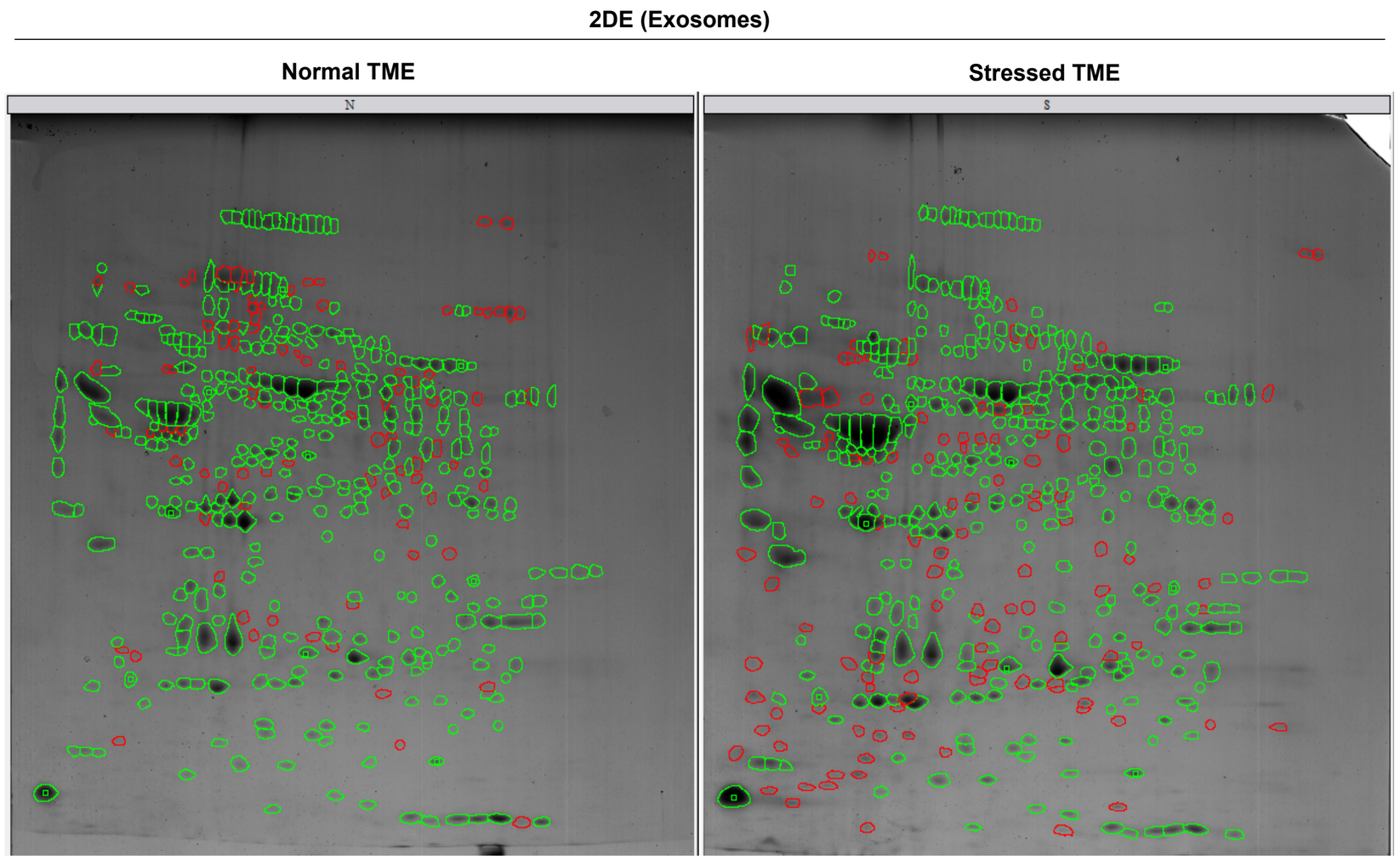
Supplementary Figure 2

Supplementary Figure 2. Genome characterization of pancreatic derivative cells from direct cell-to-cell transfer. a Representative morphologic and spatial patterns of Panc0327 cells and derivative cell lines. Phase images show a less dispersed growth pattern of SP0913^{1B} cells compared to that of Panc0327, SP0913^{1A}, and SP0913^{1C} cells. **b** STR profile was detected by primers that amplified the 15 STR loci and the gender marker Amelogenin. **c** Copy number alterations (Red: gains; Blue: losses) of derivative cells (SP0926 and SP1030 cells) compared to Panc0203. **d** A novel interchromosomal (chr20-chr11) BCL2L1/GLB1L2 (BG) fusion gene of SP1030 was identified (upper). Positive fusion gene controls for Panc0203, SP0926 and SP1030; CABIN1/CSNK1E and TPTEP2-CSNK1E readthrough/KIAA1671 fusion genes, asterisk; BCL2L1/GLB1L2 fusion gene, arrow; CABIN1/CSNK1E fusion gene, arrow head; TPTEP2-CSNK1E readthrough/KIAA1671 fusion gene. BCL2L1-GLB1L2 fusion junction on genomic DNA and mRNA of SP1030 (bottom).



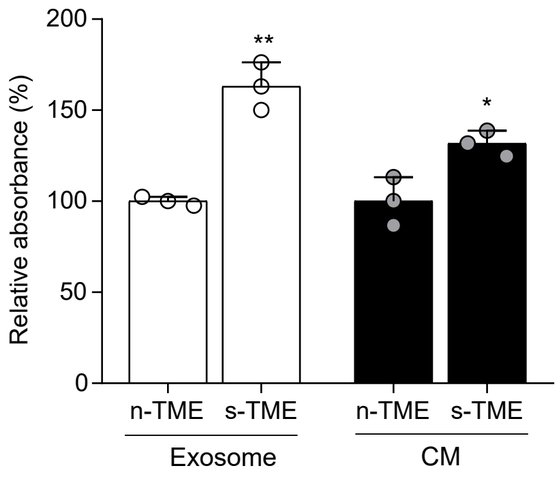
Supplementary Figure 3. Enhanced tumorsphere formation or invasive activity of pancreatic derivative cells from direct cell-to-cell transfer. a, b Proliferation under a gemcitabine free culture condition (**a**) and viability against gemcitabine at 48 h (**b**), together with normoxic, hypoxic, or low oxygen and serum (LOS) condition. * $P \leq 0.05$; ** $P \leq 0.01$; *** $P \leq 0.001$. One-way ANOVA followed by Tukey's multiple comparison test. Data are represented as the mean value ± SD. **c** Representative images of tumorsphere formation in Panc0327 and derivative cells. Spheroids were evaluated on day 7 after seeding. **d** Invasion activity of Panc0327 cells and derivative cells. An invasion chamber assay system containing Matrigel was performed for 24 h. The initial seeding number of cells for each group was 1×10^5. Upper chamber: serum-free medium, bottom chamber: normal culture medium. **e, f** Hierarchical clustering and multidimensional scaling of RNA sequencing data of pancreatic derivative cancer cells established via direct cell-to-cell transfer. In each sample, the Log2 (FPKM + 1) value was used to express the similarity between samples for (**e**) hierarchical clustering and (**f**) multidimensional scaling to represent the variability between each cell line in two-dimensional space comprising two components. Data are presented as the mean values ± SD.

a



GelName	Sample Name	Spots
N	Normal co-culture TME Exosome	446
S	Stressed (gemcitabine-treated) TME Exosome	473

b



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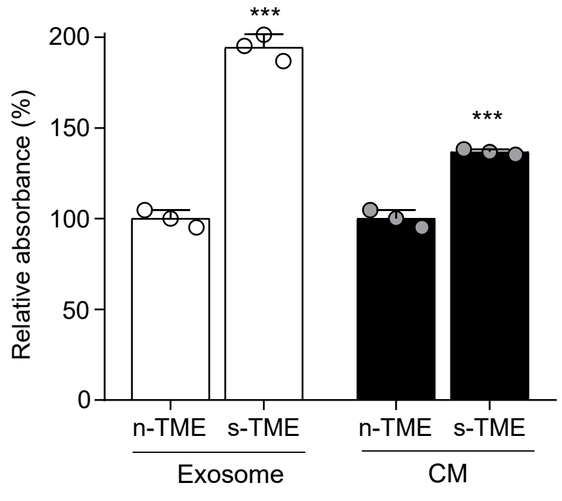
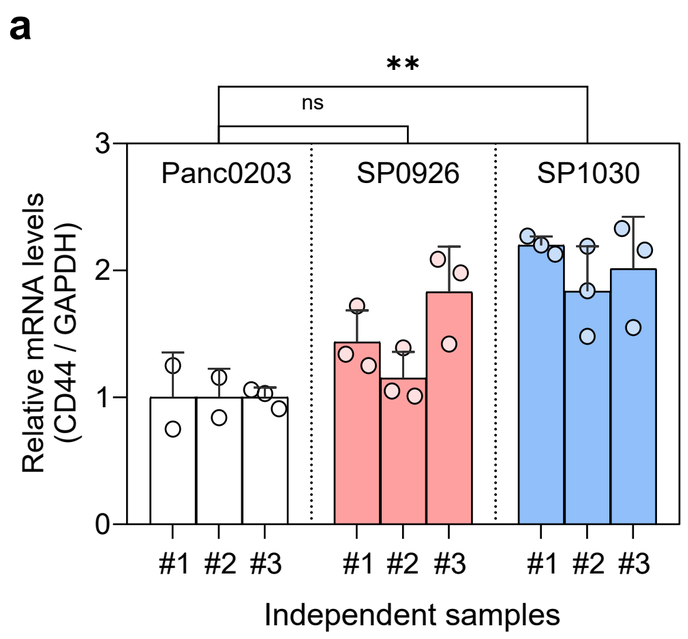
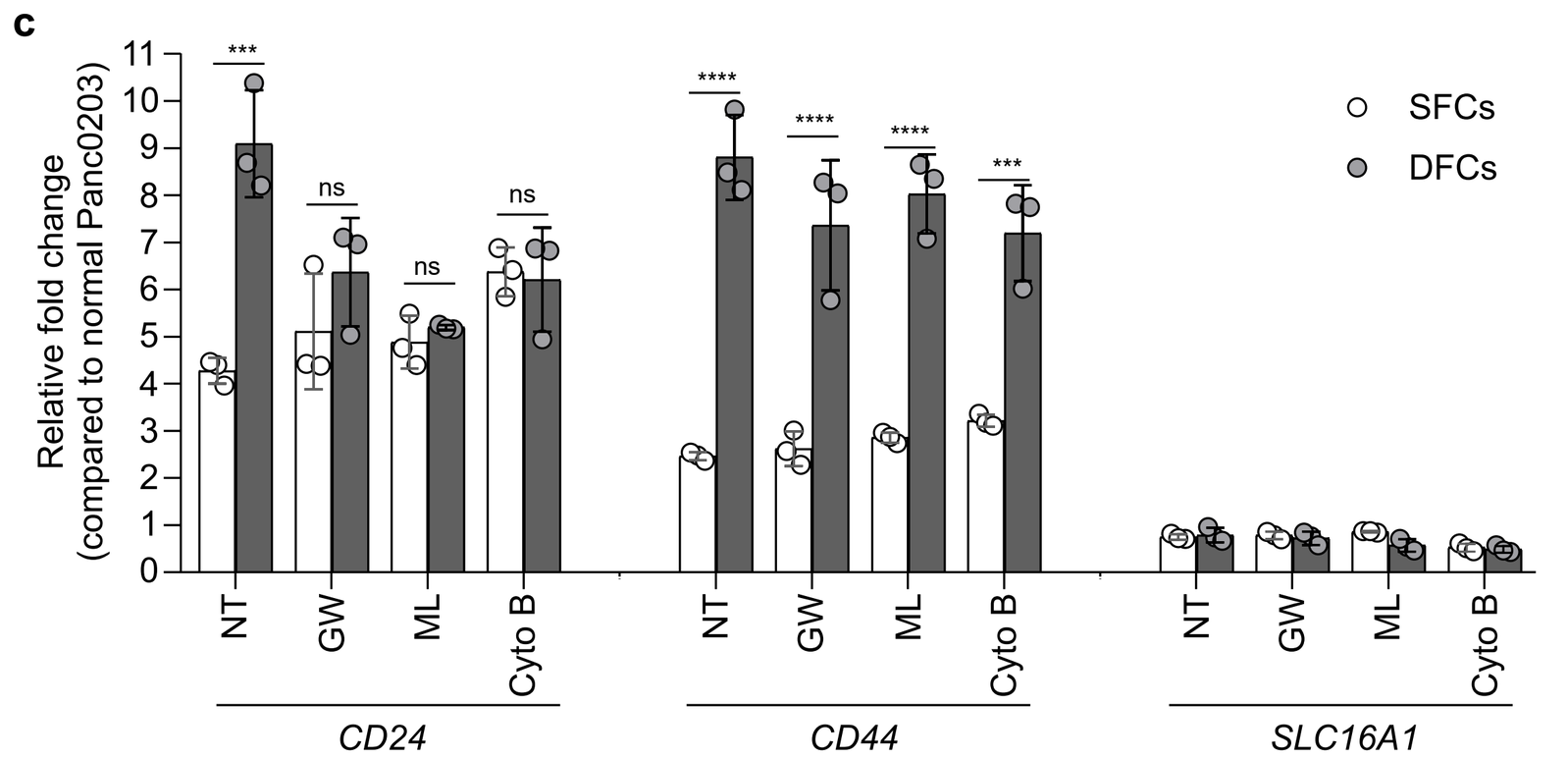
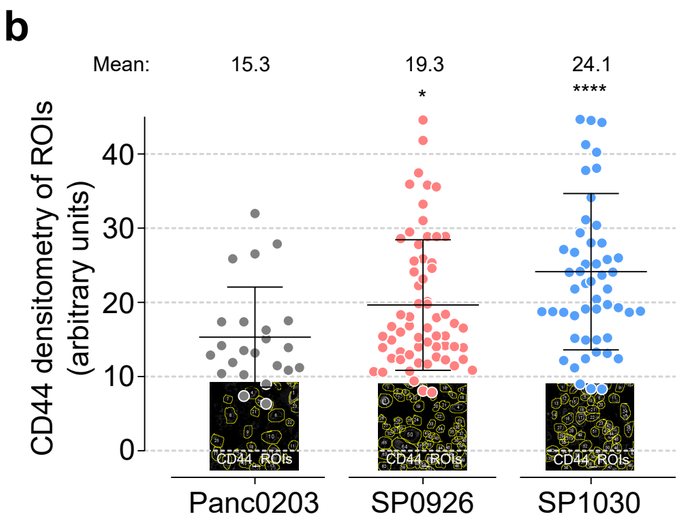
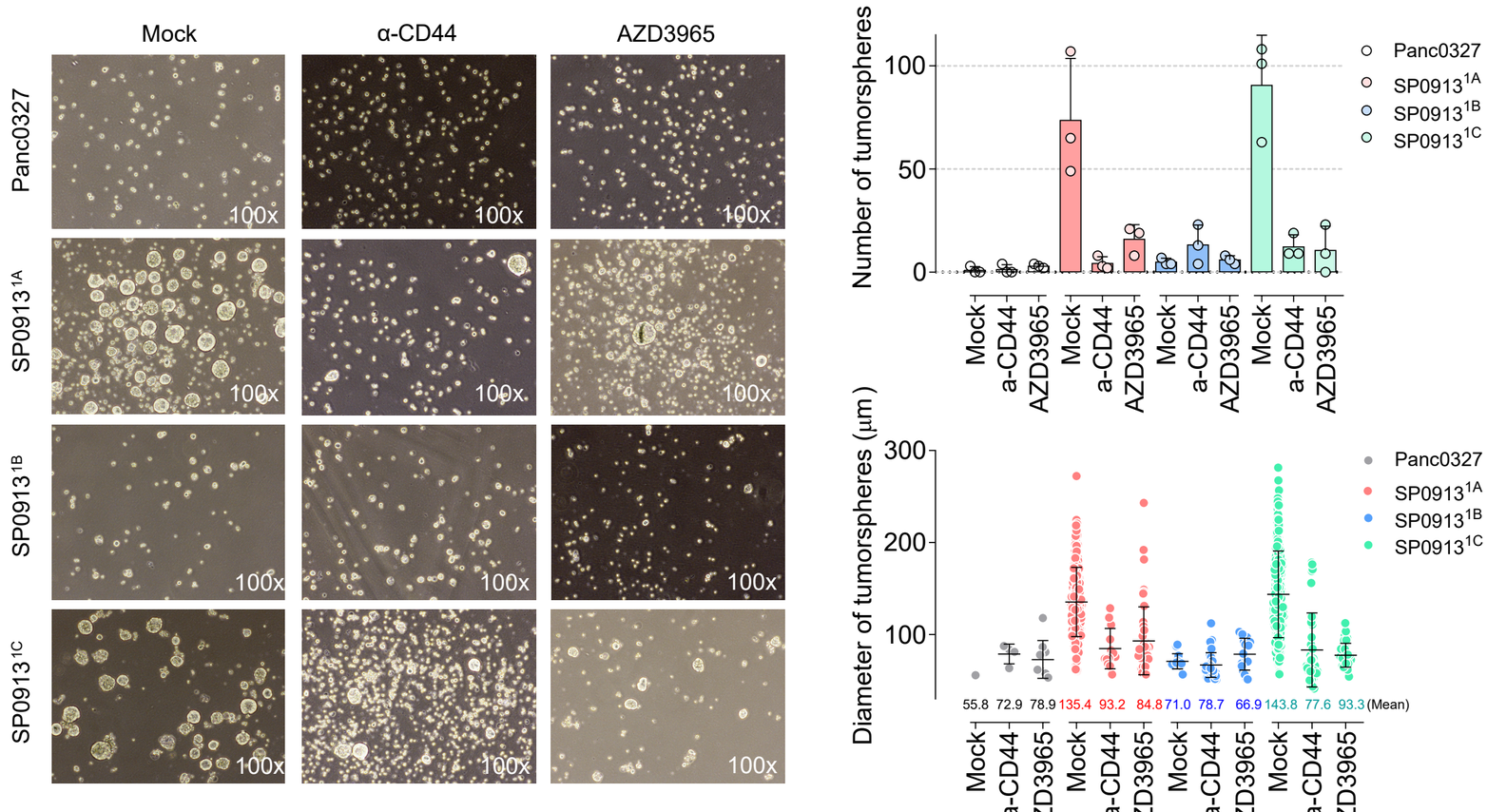


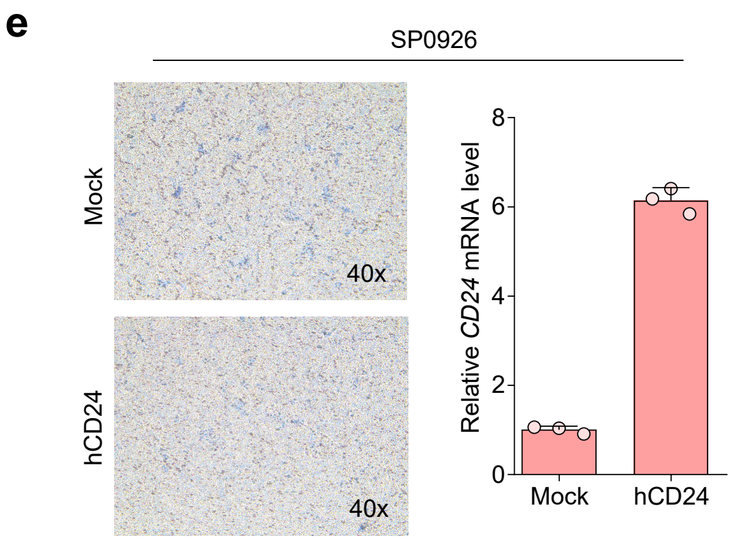
Supplementary Figure 4. Proteomic analysis of TME-derived exosomes. a A total of 27 spots (S/N ratio: >2x up in S-gel) were identified out of 356 commonly found spots (paired groups; green circles), then a total of 17 groups in descending order was selected as a MALDI candidate group. Among 117 non-paired S-gel spots (red circles), top 5 spots as MALDI candidates were selected by considering the volume descending order. **b, c** Stratifin (**b**) and LGALS3BP (**c**) levels were measured from exosomes and conditioned media (CMs) by ELISA. n-TME; normal co-culture TME condition, s-TME; Stressed (gemcitabine-treated) TME condition. *, $P < 0.05$; **, $P < 0.01$; ***, $P < 0.001$. Data are presented as the mean values ± SD.

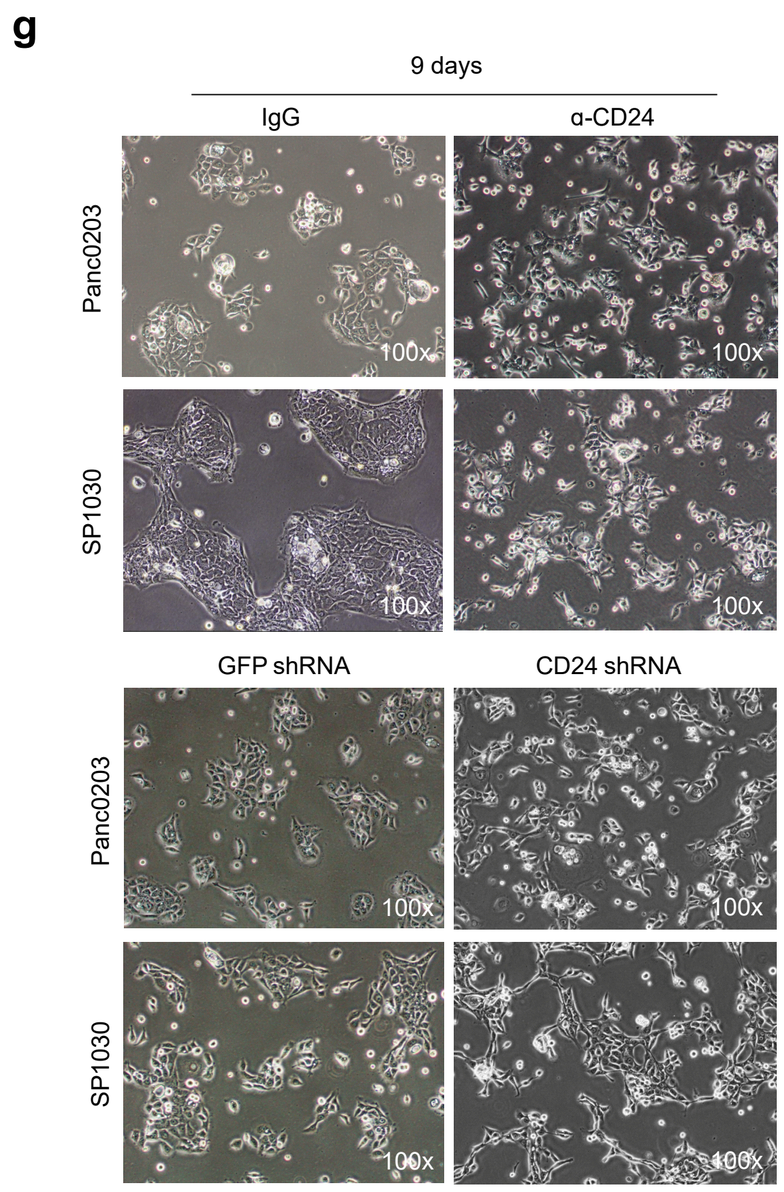

a
**
ns
Relative mRNA levels (CD44 / GAPDH)
Panc0203
SP0926
SP1030
#1 #2 #3 #1 #2 #3 #1 #2 #3
Independent samples

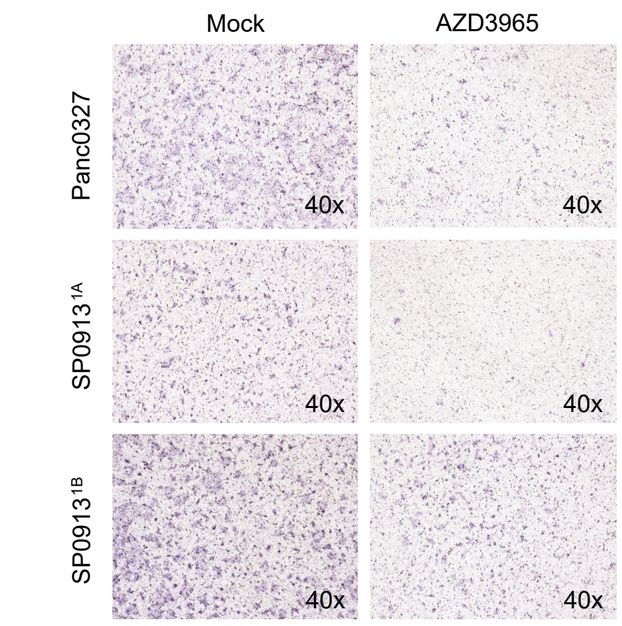

c
Relative fold change (compared to normal Panc0203)
SFCs
DFCs
NT
GW
ML
Cyto B
CD24
CD44
SLC16A1

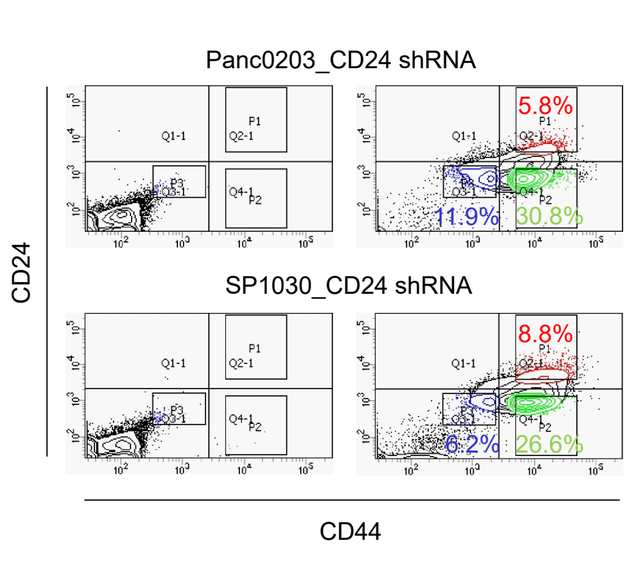

b
Mean: 15.3 19.3 24.1
CD44 densitometry of ROIs (arbitrary units)
CD44_ROIs
Panc0203
SP0926
SP1030


d
Mock
α-CD44
AZD3965
Panc0327
SP0913 1A
SP0913 1B
SP0913 1C
100x
Number of tumorspheres
Panc0327
SP0913 1A
SP0913 1B
SP0913 1C
Diameter of tumorspheres (μm)
55.8 72.9 78.9 135.4 93.2 84.8 71.0 78.7 66.9 143.8 77.6 93.3 (Mean)

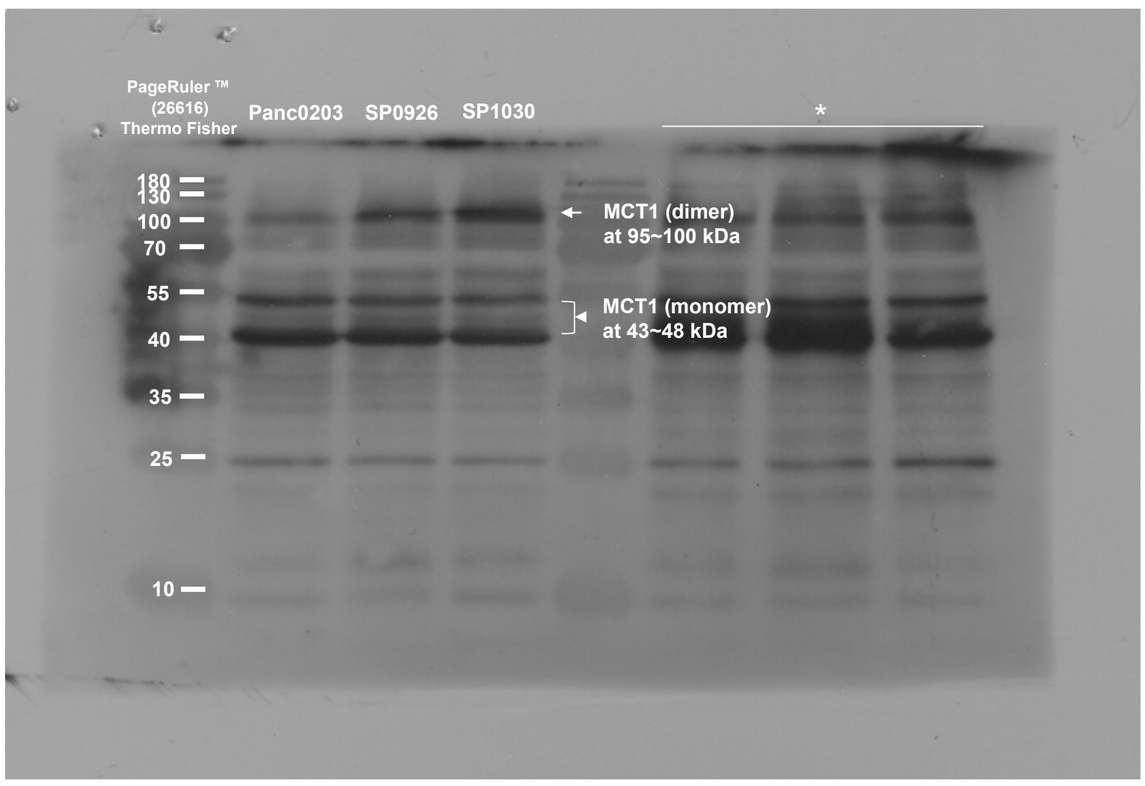

e
SP0926
Mock
hCD24
40x
Relative CD24 mRNA level
Mock
hCD24

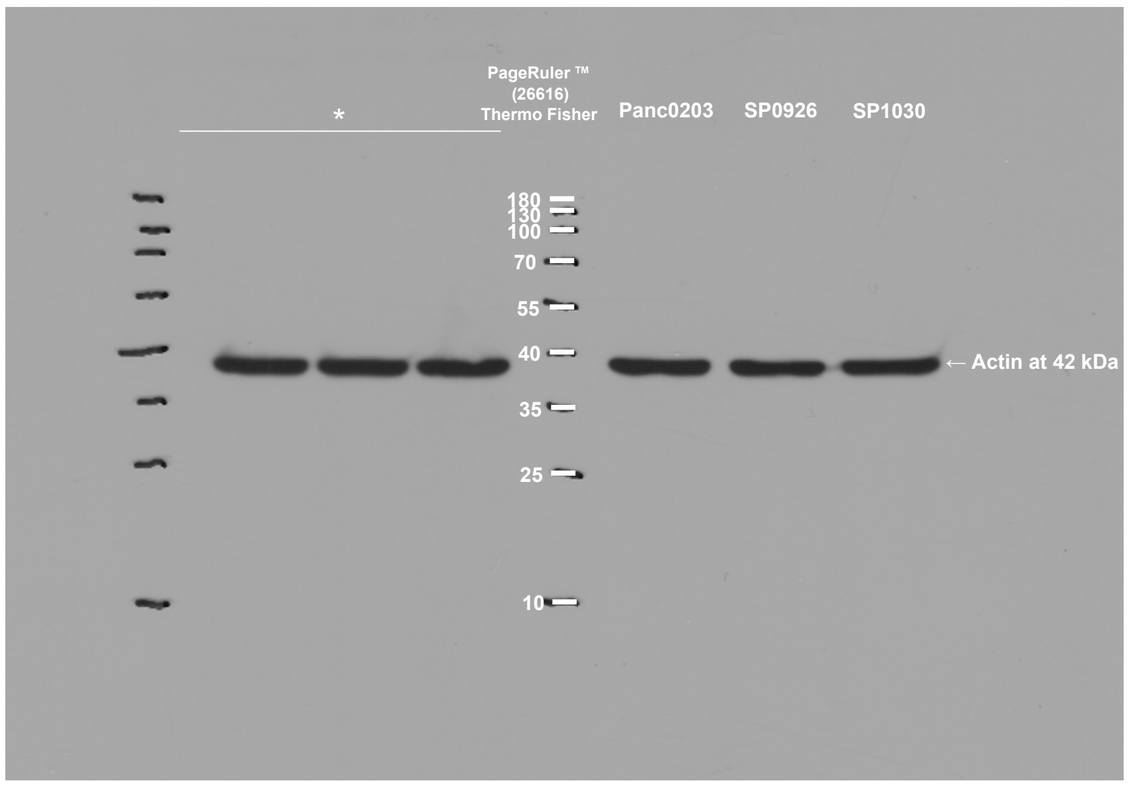

g
9 days
IgG
α-CD24
Panc0203
SP1030
GFP shRNA
CD24 shRNA
100x


h
Mock
AZD3965
Panc0327
SP0913 1A
SP0913 1B
SP0913 1C
40x

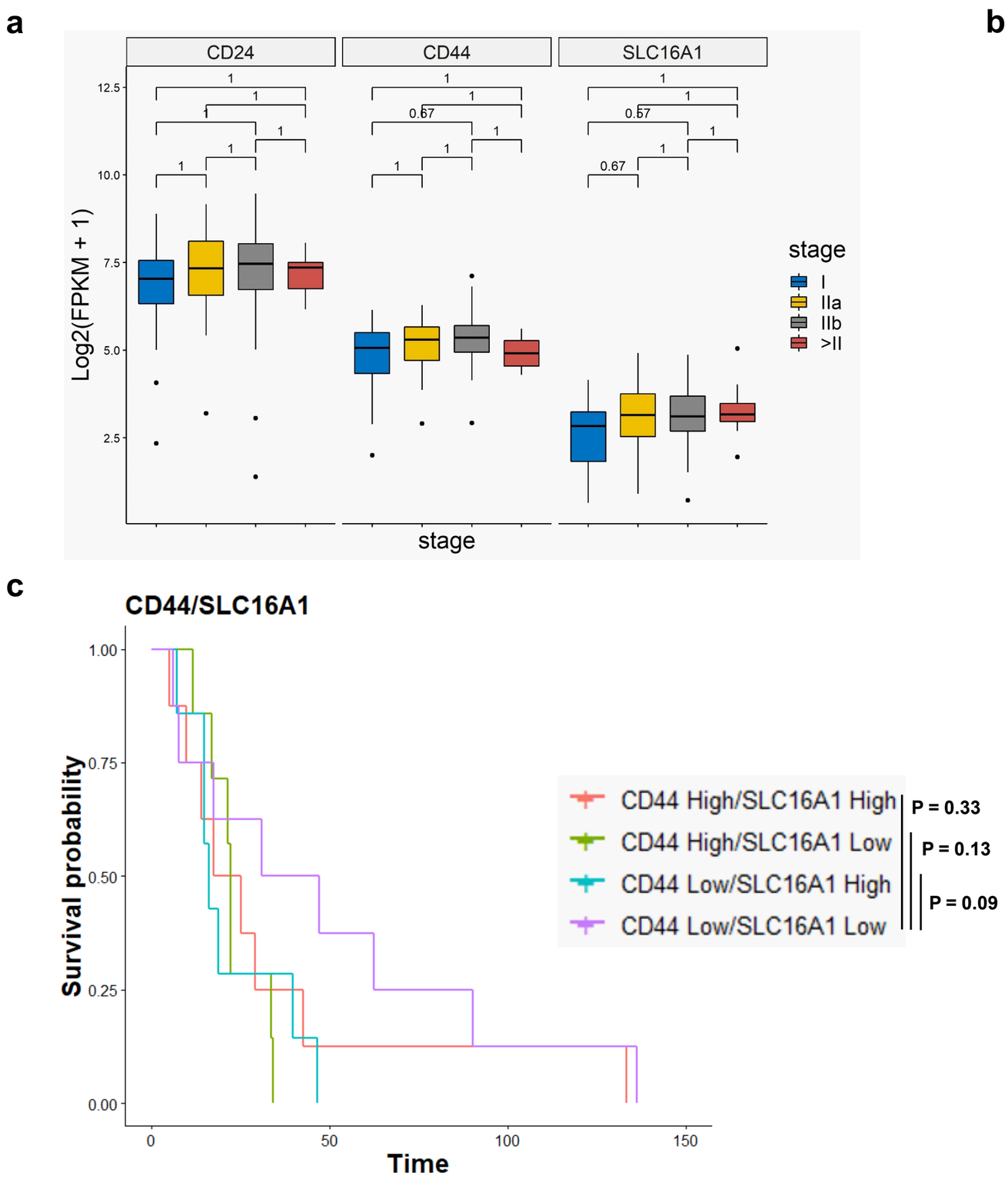

f
Panc0203_CD24 shRNA
SP1030_CD24 shRNA
5.8%
11.9%
30.8%
8.8%
6.2%
26.6%
CD24
CD44

i





Supplementary Figure 5. Effect of CD24/CD44/MCT1 suppression on both tumorsphering and invasive activities of pancreatic derivative cancer cells. a Relative *CD44* level of derivative cells compared to that of parental Panc0203. Each independent sample represents a different passaged cell line collected on different days sequentially during the incubation process. Quantitative real-time PCR. ** $P \leq 0.01$. Ordinary one-way ANOVA followed by Dunnett's multiple comparisons test. **b** CD44 density measurement from confocal images of Panc0203, SP0926 and SP1030. ROIs (regions of interest). * $P \leq 0.05$; **** $P \leq 0.0001$. One-way ANOVA test. ImageJ was used for the image analysis. **c** Relative expression of CD24, CD44, and SLC16A1 in SFCs and DFCs compared to standard-cultured Panc0203. Quantitative real-time PCR. *** $P \leq 0.001$; **** $P \leq 0.0001$. One-way ANOVA followed by Tukey's multiple comparison test. GW (GW4869), ML (ML141), Cyto B (Cytochalasin) B). **d** Tumorsphere formation activity of pancreatic derivative cancer cells derived from Panc0327 cells. Spheroids were counted on day 7 after seeding. Left panel shows representative images of tumorspheres, and right panel shows number of tumorspheres (upper) and the diameter of tumorspheres (lower). **e** Human CD24 overexpression effect on SP0926 invasiveness. A 3D invasion assay was conducted for 10 h after seeding 1×10^5 cells at 48 h post-transfection (left). *CD24* level was checked by qPCR (60 h after transfection; right). Mock; empty vector, hCD24; human CD24 vector. Upper chamber (serum-free medium), bottom chamber (normal culture medium). **f** CD24 expression levels in *CD24* shRNA-transduced stable cells. Flow cytometry was performed following puromycin selection (0.4 μg/ml) until stable cells were generated. **g** Changes in spatial growth pattern via treatment with CD24 neutralizing antibody for 9 days (left) and via *CD24* shRNA stable transfection (right). **h** Effect of MCT1 inhibition on invasion activity of derivative cancer cells derived from Panc0327 cells. A 3D invasion assay was performed for 24 h after treatment with the MCT1 inhibitor AZD3965. Total 1×10^5 cells were seeded into upper chamber containing Matrigel. Upper chamber; serum-free medium, bottom chamber; normal culture medium for Panc0327. **i** Uncropped and unprocessed scans for MCT1 (left) and beta-actin (right). Left: arrow and arrow head indicate a dimer form (95~100 kDa) and monomer forms (43~48 kDa) of MCT1, respectively[70-72], when compared to ladder sizes of the used protein marker (PageRuler, Thermo Fisher). Right: arrow indicates β-actin bands (42 kDa). Asterisk: samples not relevant to this study. Cropped images (ROIs) presented on Fig. 5a. All graph data are presented as mean ± SD.



Supplementary Figure 6. Analysis of *CD24*, *CD44*, and *SLC16A1* expression in pancreatic cancer-patient tissue samples. **a** Expression of *CD24*, *CD44*, and *SLC16A1* in pancreatic cancer-patient tissue samples (TCGA Pancreatic Cancer (PAAD) database (n = 182)) according to stage. Numbers in graph indicate p-values between samples from different-stage tumors. **b** Correlation of *CD24*, *CD44*, and *SLC16A1* expression in pancreatic cancer-patient tissue samples. Pearson correlation coefficients and p-values from linear regression analysis are indicated. **c** Kaplan-Meier plot for overall survival of pancreatic cancer patients with high or low expression of *CD44*, or *SLC16A1*. Microarray gene-expression profiles (median cutoff) of 30 pancreatic tumors tissue from patients (GSE84219). P = 0.31. **d** Schematic showing CD44/MCT1/CD24 relationship after chemotherapy for pancreatic cancer. Combinations of relative levels of CD44/MCT1/CD24 expression involved in giving rise, post-gemcitabine-treatment, to cancer cells with a relatively high tumorigenic or a high metastatic phenotype compared to primary pancreatic cancer cells.

Supplementary Table 1. Transcriptomic data of pancreatic derivative cells generated via direct cell-to-cell transfer.

Gene_ID	Transcript_ID	Gene_Symbol	Description	SP0926/Panc0203.fc	SP1030/Panc0203.fc	Panc0203_FPKM	SP0926_FPKM	SP1030_FPKM	Panc0203.mean	SP0926.mean	SP1030.mean	Panc0203_Read_Count	SP0926_Read_Count	SP1030_Read_Count
4023	NM_000237	LPL	lipoprotein lipase	8.549289955	358.9989005	0.094222	0.839854	33.235188	0.43999062	2.02475093	7.02280826	14	161	6231
63915	NM_001199322,NM_001199323	BLOC1S5	biogenesis of lysosomal organelle	169.7936083	320.3173479	0.006506	1.820737	3.247846	0.03628685	2.53229878	3.33208871	1	251	438
5671	NM_021016	PSG3	pregnancy specific beta-1-glycop	2.684182094	211.9128847	0.030165	0.103459	8.492898	0.10623215	0.27464693	4.15342015	3	11	811
100137049	NM_001114633	PLA2G4B	phospholipase A2 group IVB	24.99513712	171.7752473	0.082044	2.174733	14.064159	0.29776659	2.76453517	5.35280854	9	304	1925
729857	NM_001078170,NM_001078170	RGPD2	RANBP2-like and GRIP domain c	89.23627968	100.1846094	0.026826	2.592435	2.734242	0.20517559	3.8951276	4.05259921	6	728	753
100616394	NR_039646_chr2,NR_039646_c	MIR4444-1	microRNA 4444-1	105.5656834	84.17592771	0.031679	41.802429	31.395544	0.03628685	1.99055518	1.75769337	1	156	115
388692	NM_001013644	LOC388692	uncharacterized LOC388692	233.9341387	78.67342857	0.019636	5.612086	1.775174	0.10623215	4.28618731	2.85469418	3	971	301
27113	NM_001127240,NM_001127241	BBC3	BCL2 binding component 3	13.61255188	60.72840298	0.239956	3.292184	16.34935	0.5190475	2.79259185	4.7796009	17	311	1278
5673	NM_001130014,NM_002781	PSG5	pregnancy specific beta-1-glycop	1.23682069	53.77776723	0.400095	0.505744	21.17508	0.73313634	0.86372326	5.20026005	26	43	1727
445815	NM_007203,NM_147150	PALM2-AKAP2	PALM2-AKAP2 readthrough	2208.861203	53.47023221	0.001344	8.516644	0.192709	0.03628685	5.98368468	1.32870978	1	3267	73
3983	NM_001003407,NM_001003408	ABLIM1	actin binding LIM protein 1	50.50924608	48.13074502	0.139307	7.405021	6.619999	1.06712766	5.81904452	5.75087852	43	2909	2552
102800317	NM_001289912	LOC400927-CSNK1E	LOC400927-CSNK1E readthroug	26.4111313	41.58904556	0.251979	6.716522	9.925539	0.79797761	4.36304264	4.99259436	29	1027	1489
5669	NM_001184825,NM_001184826	PSG1	pregnancy specific beta-1-glycop	-4.077298965	39.20393425	0.50897	0.119044	18.658206	1.01352966	0.31941552	5.35937359	40	13	1934
440533	NM_001130167,NM_001130168	PSG8	pregnancy specific beta-1-glycop	-1.201549503	38.17946582	0.339267	0.282073	13.068906	0.7550755	0.65251278	4.77415178	27	30	1273
4128	NM_000240,NM_001270458	MAOA	monoamine oxidase A	4.735790347	34.99168791	0.16614	0.814625	5.661149	0.91952222	2.38738651	5.01309432	35	222	1511
6512	NM_001287595,NM_001287596	SLC1A7	solute carrier family 1 member 7	8.321942883	32.98843693	0.071765	0.610328	2.438447	0.26755841	1.44132992	2.96594348	8	90	329
3625	NM_002193	INHBB	inhibin beta B subunit	-2.905736914	31.17097204	0.282379	0.097674	8.388829	0.91952222	0.38406669	4.85173544	35	16	1346
54492	NM_001142651,NM_001308177	NEURL1B	neuralized E3 ubiquitin protein lig	1.271370539	30.27161321	0.122323	0.15356	3.492749	0.81895953	0.97983233	4.59783705	30	51	1121
255738	NM_174936,NR_110451	PCSK9	proprotein convertase subtilisin/k	1.068928627	25.86001533	0.197304	0.208984	4.819915	0.77668602	0.81765451	4.28644656	28	40	894
106865373	NM_001317744,NM_001350300	WRB-SH3BGR	WRB-SH3BGR readthrough	14.25922155	25.45958694	0.021027	0.544127	0.928773	0.07168335	0.81765451	1.24294651	2	40	66
100499483	NM_001348010,NM_020893	CCDC180	coiled-coil domain containing 180	5.256273468	25.18854001	0.138099	0.351689	1.89328	0.5190475	1.71704117	3.58206614	17	120	530
100133005	NR_146066	RASA4DP	RAS p21 protein activator 4CD, p	25.32740701	24.59388461	0.011448	0.429248	0.388352	0.10623215	1.58576189	1.5590879	3	105	94
23384	NM_001145468,NM_001254732	SPECC1L	sperm antigen with calponin hom	24.66530884	24.33676022	0.475041	11.732961	10.88546	2.03825186	6.28005326	6.26101394	122	4024	3655
26149	NM_001317916,NM_033160,NR	ZNF658	zinc finger protein 658	21.52158928	21.15429325	0.062384	1.652818	1.561215	0.38477185	2.93245472	2.9113909	12	348	315
1795	NM_004947	DOCK3	dedicator of cytokinesis 3	6.018437558	21.09288541	0.091775	0.558473	1.842435	0.83964067	2.52753672	4.1466887	31	250	807
29057	NM_001242489,NM_001242490	FAM156A	family with sequence similarity 15	8.885754287	20.57127275	0.003171	0.115054	0.252592	0.03628685	0.31941552	0.65979727	1	13	28
8869	NM_001042437,NM_003896	ST3GAL5	ST3 beta-galactoside alpha-2,3-s	6.55430289	19.38154763	0.307304	2.019296	5.620147	0.77668602	2.50832973	3.89484064	28	246	670
645553	NR_135234	IGFL2-AS1	IGFL2 antisense RNA 1	8.448151298	18.13610851	0.592422	5.124465	10.325116	0.97665845	3.20120812	4.21745651	38	430	850
768239	NM_001085382	PSAPL1	prosaposin-like 1 (gene/pseudog	1.491030277	17.14398413	0.04472	0.074271	0.815887	0.29776659	0.42561204	2.3150407	9	18	192
100133941	NM_001291737,NM_001291738	CD24	CD24 molecule	-11.6513608	17.09317492	6.743779	0.57697	131.336774	4.0892716	1.24644988	8.10276991	629	72	13226
2702	NM_005266,NM_181703	GJA5	gap junction protein alpha 5	8.133905977	16.72812144	0.313221	2.565064	4.959818	0.97665845	3.15255179	4.10736121	38	414	784
3624	NM_002192	INHBA	inhibin beta A subunit	-2.058039831	16.49687813	0.145956	0.07105	2.280069	0.89996265	0.50527715	3.93836491	34	22	692
7593	NM_001267033,NM_003422,NM	ZF1	myeloid zinc finger 1	7.561658997	16.24273591	0.438357	3.383395	7.245323	1.16869613	3.38618649	4.41385336	49	496	981
81704	NM_001190458,NM_001193536	DOCK8	dedicator of cytokinesis 8	1.711987557	15.78542565	0.081718	0.143109	1.262726	0.68823103	1.03456085	3.41845388	24	55	468
93380	NM_001330000,NM_173470	MMGT1	membrane magnesium transport	-1.854911758	15.71539059	0.406459	0.220361	6.074769	1.62696745	1.08728891	5.08175167	82	59	1587
8972	NM_004668	MGAM	maltase-glucoamylase	3.670724692	15.44950592	0.016139	0.060461	0.239139	0.13997292	0.46599441	1.38699077	4	20	78
9245	NM_004751	GCNT3	glucosaminyl (N-acetyl) transfera	-2.139762856	15.21877658	0.994007	0.465362	14.321826	1.66222564	1.00745609	5.08703534	85	53	1593
149041	NM_001300850,NM_001300851	RC3H1	ring finger and CCCH-type doma	1.410229661	14.93240362	0.36376	0.515167	5.154098	2.3142594	2.72348335	5.91584555	156	294	2867
56102	NM_018924,NM_032097	PCDHGB3	protocadherin gamma subfamily	24.99200412	14.85634275	0.040623	0.568483	0.317269	0.13997292	1.85267538	1.35230545	4	137	75
55068	NM_001127615,NM_001242863	ENOX1	ecto-NOX disulfide-thiol exchang	5.023740936	14.68106885	0.014902	0.077608	0.21425	0.07168335	0.3412894	0.83750224	2	14	38
9615	NM_001242505,NM_001242506	GDA	guanine deaminase	14.47016182	14.54750979	1.291721	11.599675	9.515409	2.09955541	5.60236135	5.60994698	129	2496	2310
1852	NM_001318503,NM_001395	DUSP9	dual specificity phosphatase 9	1.173459454	14.07702632	0.06449	0.087071	1.022555	0.23670415	0.27464693	1.8266989	7	11	123
55802	NM_001290204,NM_001290205	DCP1A	decapping mRNA 1A	1.749369981	14.02808365	0.241381	0.421992	3.233833	1.27880673	1.80624674	4.39551594	56	131	968
140710	NM_080627,NM_199181	SOGA1	suppressor of glucose, autophag	14.23421451	13.7444649	0.574735	2.983307	2.688969	1.9554003	5.39250602	5.34327263	113	2151	1912
4982	NM_002546	TNFRSF11B	TNF receptor superfamily membe	1.582960113	13.56914846	2.601046	4.132582	33.282734	2.7991369	3.38355363	6.35598995	234	495	3907
9926	NM_001320808,NM_014873	LPGAT1	lysophosphatidylglycerol acyltran	1.159463922	13.45849739	1.046817	1.214661	13.359781	3.25290323	3.44545299	6.85641965	335	519	5547
9497	NM_001258379,NM_001258380	SLC4A7	solute carrier family 4 member 7	10.34663057	13.07730016	1.202266	13.082099	15.541273	3.38891307	6.63026582	6.96515172	372	5144	5985
130367	NM_001320833,NM_001320834	SGPP2	sphingosine-1-phosphate phosph	2.062512609	12.74008534	0.084485	0.177536	1.036397	0.5190475	0.92294555	2.71151569	17	47	268
163589	NM_001199085,NM_001199089	TDRD5	tudor domain containing 5	2.473352606	12.555501	0.125199	0.309399	1.667168	0.56944351	1.1381576	2.82969649	19	63	295
10715	NM_001290265,NM_021267,NM	CERS1	ceramide synthase 1	3.279644553	12.47655736	0.069924	0.279742	1.017755	0.23670415	0.669904	1.70368302	7	31	109
64359	NM_001205319,NM_022463		nucleoredoxin	4.0943555	12.2677413	1.019045	4.184752	11.776834	2.00201503	3.73497962	5.24427765	118	646	1782
5650	NM_001207053,NM_001243126	KLK7	kallikrein related peptidase 7	-367.1182894	12.26679556	17.707227	0.046871	204.061806	5.20908974	0.13134883	8.78960678	1413	5	21320
79993	NM_001104558,NM_001297617	ELOVL7	ELOVL fatty acid elongase 7	3.973021655	12.20897914	1.010336	4.059593	11.732011	2.27683528	4.02581645	5.58464442	151	802	2269
26038	NM_015557	CHD5	chromodomain helicase DNA bin	-8.160754433	12.10504092	0.497146	0.060193	5.669664	2.5075876	0.65251278	5.85210402	184	30	2741
1525	NM_001207063,NM_001207064	CXADR	CXADR, Ig-like cell adhesion mo	10.7615657	12.00100396	1.322798	5.722368	6.030617	1.76310734	4.74377637	4.89555604	94	1353	1389
201562	NM_001329783,NM_001329784	HACD2	3-hydroxyacyl-CoA dehydratase	10.21247913	11.89026965	4.142653	42.719977	46.658197	4.19537543	7.47499454	7.69331111	680	9280	9946
1628	NM_001352	DBP	D-box binding PAR bZIP transcrip	1.143346189	11.88577227	5.46293	6.262496	61.165939	3.41326233	3.58949269	6.85512987	379	579	5542
116211	NM_001204897,NM_001204898	TM4SF19	transmembrane 4 L six family me	36.16724872	11.79244666	0.053287	2.778875	0.826468	0.10623215	1.94842076	0.95003448	3	150	45
3851	NM_002272	KRT4	keratin 4	-10.8470125	11.75864398	0.799145	0.072378	8.894048	1.42282133	0.20477631	4.37837968	66	8	956
25984	NM_001282433,NM_015515	KRT23	keratin 23	-2.185049299	11.63810875	0.689984	0.311575	8.199189	1.32354034	0.75384785	4.21101796	59	36	846
1048	NM_001291484,NM_001308398	CEACAM5	carcinoembryonic antigen related	-1.770151862	11.19983145	2.019725	1.137141	22.999737	2.99161027	2.30073045	6.30210724	273	206	3762
4047	NM_001001438,NM_001145436	LSS	lanosterol synthase	4.615262955	11.15208325	1.466278	4.354696	9.760279	2.29192162	4.24761625	5.47539445	153	944	2100
1000	NM_001308176,NM_001792	CDH2	cadherin 2	6.225304037	11.12193158	0.287428	1.807431	3.029422	1.15225689	3.10858833	3.8705348	48	400	658
339400	NR_103778,NR_103779	FLG-AS1	FLG antisense RNA 1	7.315384361	11.0996427	0.025449	0.190504	0.268027	0.13997292	0.81765451	1.11084509	4	40	56
55808	NM_001289107,NM_018414,NR	ST6GALNAC1	ST6 N-acetylgalactosaminide alp	-1.330220287	11.03876803	0.07702	0.053846	0.842565	0.26755841	0.20477631	1.71282633	8	8	110
100528031	NR_037661	FKBP1A-SDCBP2	FKBP1A-SDCBP2 readthrough (I	2.919339287	10.92195613	0.661532	1.947434	6.848739	1.06712766	2.07130288	3.69940604	43	168	579
148932	NM_145279,NM_201403	MOB3C	MOB kinase activator 3C	4.20315693	10.8276526	1.360164	5.726412	13.870132	2.24618091	4.06578025	5.37745464	147	826	1959
9073	NM_199328	CLDN8	claudin 8	4.035186879	10.70420058	0.048763	0.192357	0.498724	0.13997292	0.50527715	1.08290869	4	22	54
360	NM_001318144,NM_004925	AQP3	aquaporin 3 (Gill blood group)	-1.859980435	10.35014057	3.16683	1.69969	30.885445	2.76169834	2.03820547	5.92767386	227	163	2891
57717	NM_020957	PCDHB16	protocadherin beta 16	29.16825689	10.33604091	0.001905	0.185832	0.05941	0.03628685	0.86372326	0.36729312	1	43	14
692233	NR_003140	SNORD117	small nucleolar RNA, C/D box 11	4.829253767	10.33604091	0.177226	1.703267	3.502373	0.03628685	0.18071335	0.36729312	1	7	14
100846999	NR_049831_chr2,NR_049831_c	MIR4444-2	microRNA 4444-2	12.26617139	10.33604091	0.031715	4.628641	3.671579	0.03628685	0.42561204	0.36729312	1	18	14
5413	NM_001009939,NM_002688	SEPT5	septin 5	2.921400534	10.26059398	1.452407	4.689459	15.43533	2.0823043	3.38618649	5.09667211	127	496	1604
2877	NM_002083,NR_046320,NR_04	GPX2	glutathione peroxidase 2	-1.167963162	10.23957401	3.278484	2.936819	32.994764	2.23841445	2.06474386	5.28928581	146	167	1840
3638	NM_001346590,NM_001346591	INSIG1	insulin induced gene 1	-2.036099182	10.22656683	5.333297	2.677528	52.496629	4.09358292	3.15255179	7.3697324	631	414	7938
79937	NM_033655	CNTNAP3	contactin associated protein-like	1.531446981	10.19291012	0.099133	0.150866	0.960075	0.59399636	0.83317479	2.63662357	20	41	252
283106	NM_001256686	CSNK2A3	casein kinase 2 alpha 3	7.201918015	10.04170665	0.073902	0.676454	0.884417	0.17294258	0.95166931	1.20457043	5	49	63
2746	NM_001318900,NM_001318901	GLUD1	glutamate dehydrogenase 1	3.445952842	9.934084441	7.156771	24.526089	66.111956	4.67116511	6.41541706	7.93185674	961	4425	11743
9575	NM_001267843,NM_004898	CLOCK	clock circadian regulator	6.488201684	9.699838812	0.550212	3.590258	5.28064	2.78853894	5.29849962	5.86651418	232	2012	2769
284836	NR_026960	LINC00319	long intergenic non-protein codin	-1.328298723	9.595993445	0.052201	0.034458	0.475641	0.20517559	0.15624221	1.31676564	6	6	72
27076	NM_014400	LYPD3	LY6/PLAUR domain containing 3	1.381626963	9.468978875	6.370952	8.819398	56.771534	3.53555296	3.96723624	6.66330624	416	768	4846
56112	NM_018916,NM_032011	PCDHGA3	protocadherin gamma subfamily	-1.320831011	9.441162143	0.026266	0.022011	0.151277	0.10623215	0.08023518	0.80366934	3	3	36
23138	NM_015111	N4BP3	NEDD4 binding protein 3	-1.610444678	9.359150519	0.332058	0.204771	2.921483	1.55375576	1.1381576	4.25862092	76	63	876
1580	NM_000779,NM_001099772,NM	CYP4B1	cytochrome P450 family 4 subfar	6.2575974	9.202736341	0.102025	0.61333	0.9477	0.29776659	1.29208824	1.64757178	9	76	103
5292	NM_001243186,NM_002648	PIM1	Pim-1 proto-oncogene, serine/thr	3.066608324	9.123870144	7.295429	22.434877	62.681129	4.34210161	5.91012909	7.46716758	757	3102	8496
100289187	NM_001195541,NM_001195542	TMEM225B	transmembrane protein 225B	2.658859464	9.087442248	0.067688	0.228095	0.723999	0.17294258	0.42561204	1.12461302	5	18	57
6947	NM_001062	TCN1	transcobalamin 1	7.642125977	9.087179589	5.93917	45.481709	50.760822	3.3316643	6.13575486	6.38237404	356	3636	3980
9022	NM_004669	CLIC3	chloride intracellular channel 3	-2.056848361	8.972350472	18.079004	8.781378	152.490875	3.93685111	2.99243508	7.01636074	562	365	6203
6695	NM_004598	SPOCK1	SPARC/osteonectin, cwcv and ka	38.11063655	8.940897518	0.157066	6.016318	1.321038	0.79797761	4.87046532	2.9311116	29	1482	320
83693	NM_001146051,NM_031463	HSDL1	hydroxysteroid dehydrogenase lil	4.9597777	8.869666429	1.651127	8.324724	13.838174	2.78853894	4.92217849	5.7397392	232	1538	2532
113791	NM_001135911,NM_052880	PIK3IP1	phosphoinositide-3-kinase interac	1.496447252	8.833345509	1.325911	2.019578	11.137182	2.07360076	2.53704518	4.87635737	126	252	1370
23621	NM_001207048,NM_001207049	BACE1	beta-secretase 1	9.20471072	8.743093975	0.233756	2.187132	1.972494	1.23264156	3.74936649	3.68088855	53	653	571
284307	NM_001010879,NM_001321145	ZIK1	zinc finger protein interacting with	2.443296723	8.657400636	0.011267	0.042167	0.141822	0.10623215	0.25173066	0.75138414	3	10	33
134	NM_000674,NM_001048230	ADORA1	adenosine A1 receptor	1.227829369	8.592385399	0.119576	0.149175	1.014181	0.43999062	0.52452456	2.03057861	14	23	149
90338	NM_001102603,NM_001322125	ZNF160	zinc finger protein 160	5.524210586	8.555330118	1.981412	9.781928	14.301349	3.05488459	5.37140066	5.99011117	287	2119	3021
7052	NM_001323316,NM_001323317	TGM2	transglutaminase 2	1.511295999	8.511814882	76.111113	118.596303	417.113984	7.61813059	8.21143714	10.70112081	7674	15496	80340

2624	NM_001145661,NM_001145662	GATA2	GATA binding protein 2	2.866729439	8.499883445	1.072733	3.088278	8.634947	2.21486103	3.51686905	4.99914873	143	548	1496
3860	NM_002274,NM_153490	KRT13	keratin 13	3.444442925	8.415629333	1.734057	6.024698	13.794354	1.96484452	3.46052158	4.67002972	114	525	1181
1727	NM_000398,NM_001129819,NM	CYB5R3	cytochrome b5 reductase 3	4.260130242	8.339405158	2.889473	12.322786	22.286125	3.2058879	5.17223519	6.12165047	323	1839	3314
53947	NM_001318038,NM_017436,NR	A4GALT	alpha 1,4-galactosyltransferase (	-3.977952594	8.304594378	0.507392	0.126723	4.648537	1.04948198	0.3412894	3.30815729	42	14	430
100526835	NM_001112808,NM_001199327	FPGT-TNNI3K	FPGT-TNNI3K readthrough	2.658859464	8.292221915	0.037826	0.100145	0.309081	0.17294258	0.42561204	1.05442063	5	18	52
5314	NM_138694,NM_170724	PKHD1	PKHD1, fibrocystin/polyductin	-2.43097958	8.208060283	0.06766	0.027734	0.523118	1.04948198	0.52452456	3.29299602	42	23	425
100506243	NM_001205272	KRBOX1	KRAB box domain containing 1	5.023740936	8.136968582	0.052547	0.397138	0.584832	0.07168335	0.3412894	0.52094563	2	14	21
6707	NM_001097589,NM_005416	SPRR3	small proline rich protein 3	1.733219757	8.122602881	2.892037	5.002192	22.300059	1.83696709	2.4491251	4.45393896	101	234	1010
57537	NM_020777	SORCS2	sortilin related VPS10 domain co	6.413491115	8.045613533	0.949801	6.107076	7.189479	2.72326229	5.20764596	5.52684729	220	1886	2178
5802	NM_002850,NM_130853,NM_13	PTPRS	protein tyrosine phosphatase, rec	-2.564310583	8.042265599	1.111676	0.433458	8.553702	3.16550307	2.03820547	6.02539928	313	163	3097
51109	NM_001252650,NM_016026	RDH11	retinol dehydrogenase 11 (all-tra	3.447287909	7.878510076	12.70218	43.773179	94.407375	5.02835327	6.78217295	7.9672679	1242	5721	12036
9665	NM_001184998,NM_001184999	MARF1	meiosis regulator and mRNA stal	5.063685547	7.869370569	1.214092	6.168133	9.000184	3.34979977	5.57204137	6.19729591	361	2443	3495
257194	NM_173808	NEGR1	neuronal growth regulator 1	-38.72288841	7.816567385	0.284701	0.006252	2.101779	1.36692851	0.05398282	3.74022131	62	2	597
84983	NR_026661,NR_026662	FAM222A-AS1	FAM222A antisense RNA 1	11.772746	7.752021507	0.050598	0.732874	0.466053	0.07168335	0.70406985	0.49997203	2	33	20
255324	NM_001270989,NM_001270990	EPGN	epithelial mitogen	-2.609593906	7.634136887	0.47268	0.180758	3.466232	1.16869613	0.56226574	3.39875952	49	25	461
5655	NM_001077500,NM_002776,NM	KLK10	kallikrein related peptidase 10	1.076709285	7.605483589	11.162517	11.941462	80.154052	5.06942494	5.17299774	7.95876649	1279	1840	11965
2002	NM_001114123,NM_001257168	ELK1	ELK1, ETS transcription factor	6.490796943	7.560468515	0.839167	5.804157	6.253409	1.76310734	4.04926299	4.2570592	94	816	875
11018	NM_006858,NR_104015	TMED1	transmembrane p24 trafficking pr	5.887775447	7.547574979	4.272101	25.251807	30.604196	3.0370876	5.44142749	5.79244048	283	2227	2628
51479	NM_001257999,NM_001330063	ANKFY1	ankyrin repeat and FYVE domain	6.993296525	7.525293297	1.129503	8.006957	8.085646	3.22958708	5.89772745	6.00181463	329	3075	3046
23107	NM_001286748,NM_001286751	MRPS27	mitochondrial ribosomal protein S	1.261492163	7.438372322	4.299799	5.432001	30.144734	3.66286259	3.97425277	6.4560292	458	772	4191
6038	NM_001282192,NM_001282193	RNASE4	ribonuclease A family member 4	1.333777504	7.424516862	1.266584	1.78893	9.473644	1.74129091	2.04488597	4.20292915	92	164	841
9788	NM_001282971,NM_001282974	MTSS1	MTSS1, I-BAR domain containing	1.355744314	7.387232634	0.243515	0.33138	1.727745	1.15225689	1.41062362	3.3291189	48	87	437
8553	NM_003670	BHLHE40	basic helix-loop-helix family mem	1.771099821	7.345678815	4.748377	8.419765	32.801903	3.91021271	4.69258035	6.70198758	551	1304	4979
101928034	NR_125947	LOC101928034	uncharacterized LOC101928034	5.606274658	7.181042604	0.302679	1.79211	2.164788	0.5190475	1.78245981	2.04513029	17	128	151
23158	NM_015130	TBC1D9	TBC1 domain family member 9	7.812088293	7.078140286	0.303735	2.389981	2.031147	1.39514558	3.78172178	3.6502813	64	669	558
6367	NM_002990	CCL22	C-C motif chemokine ligand 22	-1.068408814	7.071651765	0.139364	0.130891	0.954386	0.49317359	0.46599441	1.96321628	16	20	140
10397	NM_001135242,NM_001258432	NDRG1	N-myc downstream regulated 1	7.53255262	7.065202698	2.505482	18.855081	16.611705	3.09414281	5.85322458	5.76248297	296	2980	2573
57476	NM_001286563,NM_001286564	GRAMD1B	GRAM domain containing 1B	-1.665395864	7.030239621	0.082474	0.048966	0.546226	0.71085839	0.46599441	2.45783582	25	20	217
11202	NM_001281431,NM_007196,NM	KLK8	kallikrein related peptidase 8	-8.839382876	6.983602031	5.496611	0.747661	30.772216	2.29192162	0.52452456	4.8192972	153	23	1315
56103	NM_018923,NM_032096	PCDHGB2	protocadherin gamma subfamily	11.464905	6.961048854	0.10867	0.76241	0.453066	0.35634914	2.08433212	1.56919173	11	170	95
4017	NM_002318	LOXL2	lysyl oxidase like 2	5.76376815	6.911450997	1.991006	11.490819	12.936691	3.06808971	5.44585108	5.702357	290	2234	2466
29799	NM_013313,NR_130910	YPEL1	yippee like 1	1.339431543	6.849729792	0.134805	0.180821	0.930206	0.68823103	0.86372326	2.37961802	24	43	203
5054	NM_000602	SERPINE1	serpin family E member 1	1.045953213	6.775530208	33.768219	35.360909	215.028992	6.72642285	6.7906441	9.4751295	4118	5755	34318
5046	NM_001291309,NM_002570,NM	PCSK6	proprotein convertase subtilisin/k	2.416977525	6.751418528	2.499882	6.253852	17.708722	3.55444243	4.75400498	6.20136181	422	1363	3505
79987	NM_153366	SVEP1	sushi, von Willebrand factor type	1.119455784	6.749779473	0.008478	0.008831	0.055027	0.13997292	0.15624221	0.76902392	4	6	34
1508	NM_001317237,NM_001908,NM	CTSB	cathepsin B	2.646789747	6.739450491	14.065413	37.096899	89.316106	5.73516237	7.1225018	8.46460831	2052	7257	17010
11254	NM_007231	SLC6A14	solute carrier family 6 member 14	-5.260091942	6.710980824	9.094278	1.728092	57.36898	5.37234789	3.11812251	8.0890104	1587	403	13100
7062	NM_007113	TCHH	trichohyalin	14.47880522	6.669488964	0.022292	0.330275	0.142508	0.20517559	1.70021226	1.02535867	6	118	50
347454	NM_001105576	SOWAHD	sosondowah ankyrin repeat doma	2.468588018	6.669488964	0.098396	0.239726	0.616986	0.20517559	0.46599441	1.02535867	6	20	50
54361	NM_030761	WNT4	Wnt family member 4	2.165921034	6.668376863	0.070576	0.155857	0.462552	0.35634914	0.68708806	1.52834475	11	32	91
23508	NM_015351	TTC9	tetratricopeptide repeat domain 9	-3.974778317	6.655887328	1.966128	0.49421	12.326963	3.46076162	1.81408935	6.07985916	393	132	3218
257019	NM_001244959,NM_001244960	FRMD3	FERM domain containing 3	6.198597553	6.628788894	0.039563	0.245083	0.24867	0.26755841	1.18729361	1.24294651	8	67	66
83716	NM_031476	CRISPLD2	cysteine rich secretory protein LC	1.72934806	6.619201837	0.693333	1.201521	4.327832	2.03825186	2.67262769	4.43196063	122	282	994
57512	NM_020752	GPR158	G protein-coupled receptor 158	7.86542728	6.597180283	0.007854	0.064701	0.050976	0.07168335	0.50527715	0.43515728	2	22	17
444	NM_001164750,NM_001164751	ASPH	aspartate beta-hydroxylase	1.423453222	6.508454271	41.270302	58.832428	245.707577	7.41866272	7.92555407	10.11384392	6678	12701	53458
10150	NM_001306070,NM_144778,NM	MBNL2	muscleblind like splicing regulato	2.618399368	6.501678637	4.604144	11.942474	28.248984	4.45531083	5.80287809	7.09953703	822	2876	6574
2200	NM_000138	FBN1	fibrillin 1	3.541945494	6.486831981	0.076854	0.277125	0.478374	0.91952222	2.05815489	2.76523898	35	166	280
101059953	NM_001282511,NM_001282511	NPIPA8	nuclear pore complex interacting	11.09963705	6.464563508	1.120254	12.921272	7.338375	1.79522562	4.83042646	4.08640889	97	1440	772
10420	NM_001320800,NM_007170	TESK2	testis-specific kinase 2	1.422606202	6.460519276	0.426596	0.607843	2.637632	1.2010231	1.51053416	3.23388481	51	97	406
124491	NM_001304996,NM_001304997	TMEM170A	transmembrane protein 170A	5.104713982	6.438503177	1.576113	8.122723	9.567031	3.08117507	5.28938617	5.61666065	293	1999	2321
3321	NM_001007237,NM_001542	IGSF3	immunoglobulin superfamily men	2.800516284	6.422975624	1.103457	3.09809	6.678221	3.14071816	4.51752196	5.67922052	307	1149	2426
105374119	NR_146711	LINC02004	long intergenic non-protein codin	-2.825824255	6.409770888	1.259871	0.451912	8.024856	0.46682716	0.18071335	1.79260867	15	7	119
558	NM_001278599,NM_001699,NM	AXL	AXL receptor tyrosine kinase	4.640606368	6.407083292	19.584011	91.343144	118.29959	6.51045123	8.71233037	9.17674051	3540	21950	27897
5918	NM_002888,NM_206963	RARRES1	retinoic acid receptor responder	2.396452719	6.393557774	50.17902	119.804252	305.631485	6.20945718	7.45898336	8.86958264	2866	9177	22538
9143	NM_004209	SYNGR3	synaptogyrin 3	-1.511832526	6.390978081	0.422822	0.286524	2.607387	0.89996265	0.65251278	2.71151569	34	30	268
6307	NM_001017369,NM_006745	MSMO1	methylsterol monooxygenase 1	1.072220255	6.386070481	18.192117	20.288469	109.786806	5.34005262	5.43825945	7.98471176	1551	2222	12183
221711	NM_001040274	SYCP2L	synaptonemal complex protein 2	-2.171056089	6.383693115	0.033444	0.018701	0.250656	0.17294258	0.08023518	0.87055986	5	3	40
8854	NM_001206897,NM_003888,NM	ALDH1A2	aldehyde dehydrogenase 1 famil	-1.002019576	6.306116116	0.014141	0.021191	0.128905	0.10623215	0.10601836	0.58209675	3	4	24
81555	NM_001024947,NM_001271732	YIPF5	Yip1 domain family member 5	4.60925422	6.173703669	3.499919	16.282181	20.427337	3.58538547	5.6928694	6.10742084	432	2661	3281
5653	NM_001012964,NM_001012965	KLK6	kallikrein related peptidase 6	-1.388525543	6.123645732	194.122911	140.171544	1113.543208	8.32891675	7.85710041	10.93955947	12585	12110	94787
9456	NM_001277077,NM_001277078	HOMER1	homer scaffolding protein 1	1.962960039	6.103415346	0.705685	1.394991	4.070976	1.9928118	2.77082633	4.26329596	117	307	879
23471	NM_001317804,NM_001317805	TRAM1	translocation associated membra	-1.137393962	6.067649937	14.793134	12.681336	83.4332	5.3206905	5.52006729	3.07644721	1740	2044	12986
56113	NM_018915,NM_032009	PCDHGA2	protocadherin gamma subfamily	-2.171056089	6.065604981	0.040345	0.020039	0.156353	0.17294258	0.08023518	0.83750224	5	3	38
6713	NM_003129	SQLE	squalene epoxidase	1.192043883	6.043043041	16.369202	19.53721	92.993843	5.60455895	5.85322458	8.17494733	1871	2980	13907
54756	NM_001318864,NM_017563	IL17RD	interleukin 17 receptor D	1.715790206	6.031818886	0.080698	0.137935	0.45769	0.7550755	1.12560759	2.36808966	27	62	201
693199	NR_030345	MIR614	microRNA 614	-1.459211595	5.995991962	58.222504	40.039917	329.168732	2.61345921	2.17238371	4.98695254	201	184	1483
56145	NM_018906,NM_031497	PCDHA3	protocadherin alpha 3	2.967818323	5.983895882	0.390784	1.160356	1.342632	0.95786335	1.92688293	2.73414401	37	147	273
57563	NM_001292003,NM_001292006	KLHL8	kelch like family member 8	4.119393906	5.976005814	0.634022	2.719948	3.696686	2.17473011	3.95309996	4.46073909	138	760	1015
7042	NM_001135599,NM_003238,NR	TGFB2	transforming growth factor beta 2	4.360733749	5.955037437	2.453542	10.75691	13.819675	3.92238208	5.97190201	6.41530249	556	3240	4073
23306	NM_001130963,NM_015257	NEMP1	nuclear envelope integral membr	4.623520914	5.919491927	3.60452	16.313786	19.435152	4.32203244	6.47351845	6.82645897	746	4609	5432
56917	NM_001009813,NM_001301059	MEIS3	Meis homeobox 3	1.540034068	5.911023532	0.183246	0.303916	1.139882	0.49317359	0.70406985	1.77525664	16	33	117
768	NM_001216	CA9	carbonic anhydrase 9	-1.969526583	5.871351378	0.101009	0.037841	0.554105	0.20517559	0.10601836	0.93448595	6	4	44
6280	NM_002965	S100A9	S100 calcium binding protein A9	7.393418619	5.859876071	10.75774	79.878357	59.43008	2.82010209	5.51844844	5.19129304	238	2352	1716
55092	NM_001136216,NM_001136217	TMEM51	transmembrane protein 51	1.366495247	5.851548786	6.672874	9.067343	36.399371	3.76370129	4.18548887	6.22192148	494	902	3556
29986	NM_001256588,NM_014579	SLC39A2	solute carrier family 39 member 2	2.015933494	5.846043131	0.117768	0.261003	0.69589	0.23670415	0.44594451	1.03996283	7	19	51
654	NM_001718	BMP6	bone morphogenetic protein 6	-2.451716694	5.837267279	0.082964	0.03621	0.494498	0.41264541	0.18071335	1.5590879	13	7	94
100126270	NR_024499,NR_024501,NR_02	FMR1-AS1	FMR1 antisense RNA 1	-1.313685475	5.827286134	0.02192	0.016342	0.138199	0.07168335	0.05398282	0.39027104	2	2	15
100874246	NR_046748	ARHGAP31-AS1	ARHGAP31 antisense RNA 1	6.297462665	5.783608445	0.08385	0.793352	0.697744	0.10623215	0.58077243	0.54161868	3	26	22
10099	NM_001168412,NM_005724,NM	TSPAN3	tetraspanin 3	1.599291761	5.777724728	8.409212	13.406247	45.372048	5.01136367	5.67198336	7.50450249	1227	2622	8720
3481	NM_000612,NM_001007139,NM	IGF2	insulin like growth factor 2	-1.416866335	5.759985759	0.43902	0.309695	2.543937	1.6852613	1.3579479	3.78425716	87	82	617
2182	NM_001318509,NM_001318510	ACSL4	acyl-CoA synthetase long-chain f	3.736561829	5.748308779	1.642777	6.201255	8.950885	3.18986937	4.97122547	5.5765281	319	1593	2256
56111	NM_018917,NM_032053	PCDHGA4	protocadherin gamma subfamily	-1.647024248	5.747516848	0.038672	0.027397	0.145799	0.17294258	0.10601836	0.80366934	5	4	36
56110	NM_018918,NM_032054	PCDHGA5	protocadherin gamma subfamily	-2.596168628	5.738328447	0.064066	0.022968	0.189827	0.20517559	0.08023518	0.91876801	6	3	43
65061	NM_001261435,NM_001261436	CDK15	cyclin dependent kinase 15	-1.743397756	5.733723027	1.097743	0.593496	5.658888	2.19894236	1.61299082	4.43334413	141	108	995
5672	NM_001276495,NM_001316339	PSG4	pregnancy specific beta-1-glycop	-1.061016959	5.717327607	4.067406	3.855093	21.481207	3.2098649	3.13387411	5.59085682	324	408	2279
6319	NM_005063	SCD	stearoyl-CoA desaturase	-1.373016012	5.684779493	44.146286	32.190121	235.859589	7.88293269	7.42785606	10.38500594	9228	8980	64522
3732	NM_001024844,NM_002231	CD82	CD82 molecule	-1.134051212	5.682424846	10.758735	9.493948	57.54989	4.22711655	4.0558926	6.66889605	696	820	4865
126567	NM_001136263	C2CD4C	C2 calcium dependent domain co	2.485947131	5.662317627	0.150571	0.374483	0.800673	0.54446555	1.10017522	1.85174813	18	60	126
6566	NM_001166496,NM_003051	SLC16A1	solute carrier family 16 member	6.188488349	5.634254773	7.18995	44.645502	38.122454	4.82946313	7.41598785	7.28145967	1077	8906	7464
30817	NM_001271052,NM_013447	ADGRE2	adhesion G protein-coupled rece	2.373702116	5.614803769	0.111697	0.274103	0.598001	0.77668602	1.43116693	2.32699908	28	89	194
146330	NM_153350	FBXL16	F-box and leucine rich repeat pro	2.276219127	5.605707379	0.321384	0.738783	1.712036	1.08456011	1.82964782	2.86703245	44	134	304
441295	NR_002157,NR_002157_dup1	OR2A9P	olfactory receptor family 2 subfan	4.797099517	5.605305516	0.14664	0.763127	0.840063	0.20517559	0.80196545	0.90287695	6	39	42
387700	NM_213606	SLC16A12	solute carrier family 16 member	4.919652754	5.605305516	0.032378	0.167797	0.17791	0.20517559	0.81765451	0.90287695	6	40	42
8702	NM_003778,NM_212543	B4GALT4	beta-1,4-galactosyltransferase 4	1.101003471	5.568628881	24.630831	27.093514	129.517731	5.79727387	5.93371747	8.25321487	2144	3154	14685
3311	NR_024151	HSPA7	heat shock protein family A (Hsp7	1.483922171	5.563453139	0.036677	0.060527	0.220343	0.13997292	0.20477631	0.65979727	4	8	28
127534	NM_153212	GJB4	gap junction protein beta 4	1.213670505	5.539444988	3.478654	4.227701	18.128876	3.40980893	3.66515371	5.76413316	378	613	2576
29957	NM_013386,NM_213651	SLC25A24	solute carrier family 25 member 2	3.021920971	5.538169011	4.023449	12.138538	20.906769	3.90776647	5.43762501	6.29641656	550	2221	3747
23551	NM_014310	RASD2	RASD family member 2	6.644757684	5.52860212	1.210371	8.079565	6.311274	2.17473011	4.60714063	4.35374951	138	1226	939
4739	NM_001142393,NM_001271033	NEDD9	neural precursor cell expressed,	4.334238303	5.465387749	0.170704	0.719898	1.01929	0.83964067	2.14776967	2.41366048	31	180	209

84217	NM_001146192,NM_032257	ZMYND12	zinc finger MYND-type containing	1.244483702	5.455181203	0.117976	0.167992	0.68509	0.29776659	0.36283659	1.17840727	9	15	61
9912	NM_001321164,NM_001321166	ARHGAP44	Rho GTPase activating protein 4	2.671921329	5.432958501	0.408011	1.104925	2.220355	1.44997615	2.49375478	3.38166197	68	243	455
129049	NM_001039948,NM_001098497	SGSM1	small G protein signaling modula	1.251670471	5.43163231	0.217885	0.277645	1.135665	1.21691895	1.41062362	3.03682664	52	87	348
102723775	NR_120595,NR_120596,NR_12	LINC01315	long intergenic non-protein codin	-1.067926637	5.426067311	0.166828	0.236441	1.13896	0.26755841	0.25173066	1.08290869	8	10	54
6286	NM_005980	S100P	S100 calcium binding protein P	-1.869757496	5.404939262	152.376846	81.595787	774.087891	6.26067799	5.37405578	8.679584	2971	2123	19751
139886	NM_001012968	SPIN4	spindlin family member 4	1.195822577	5.371699287	5.19834	6.225706	26.271801	4.44859483	4.69576755	6.8193336	818	1307	5405
121551	NM_001017523,NM_001018072	BTBD11	BTB domain containing 11	2.026014849	5.34556057	0.35836	0.727952	1.832407	1.59082596	2.34470901	3.5569002	79	214	520
3037	NM_005328	HAS2	hyaluronan synthase 2	1.087777966	5.278184906	0.079882	0.095704	0.437503	0.35634914	0.38406669	1.31676564	11	16	72
60494	NM_001156474,NM_021827	CCDC81	coiled-coil domain containing 81	2.963716788	5.274447077	0.065664	0.192532	0.327562	0.23670415	0.61708849	0.96541723	7	28	46
8659	NM_001161504,NM_001319218	ALDH4A1	aldehyde dehydrogenase 4 famil	1.445286607	5.270315271	1.032442	1.306957	4.527497	1.9928118	2.40826098	4.0633618	117	226	759
10495	NM_001281736,NM_006375,NM	ENOX2	ecto-NOX disulfide-thiol exchang	6.287246153	5.264377143	0.508874	3.271654	2.601595	1.63881618	3.83857782	3.60188752	83	698	538
57348	NM_001005367,NM_001201461	TTYH1	tweety family member 1	-3.664933469	5.250790878	0.19209	0.04118	0.933177	0.43999062	0.13134883	1.52834475	14	5	91
345079	NM_001029870	SOWAHB	sosondowah ankyrin repeat dom	1.11290146	5.247454735	0.690963	0.771917	3.446748	1.68318474	3.51569869	3.51569869	78	116	504
4147	NM_001317748,NM_002380,NM	MATN2	matrilin 2	1.560775477	5.228139604	1.538251	2.417412	7.656017	2.85607368	3.42511354	5.07201438	245	511	1576
2192	NM_001996,NM_006485,NM_00	FBLN1	fibulin 1	1.962393327	5.227988012	16.414405	32.279321	80.850689	5.29583597	6.25037564	7.65216706	1503	3941	9665
106633805	NR_132757	SNORD136	small nucleolar RNA, C/D box 13	2.801003507	5.218424998	0.065196	0.514894	0.919511	0.03628685	0.10601836	0.19530369	1	4	7
595098	NR_002441	SNORD18A	small nucleolar RNA, C/D box 18	4.153170347	5.218424998	0.35312	1.458338	1.806578	0.03628685	0.15624221	0.19530369	1	6	7
5362	NM_025179	PLXNA2	plexin A2	-1.335507325	5.20581966	0.178118	0.133358	0.872951	1.57857476	1.31437719	3.5052118	78	78	500
79170	NM_024320	PRR15L	proline rich 15 like	-3.842074464	5.189771366	6.499468	1.692307	31.710238	3.40634723	1.80624674	5.66809934	377	131	2407
5284	NM_002644	PIGR	polymeric immunoglobulin recept	-2.059975106	5.178292026	1.215255	0.590307	5.925118	2.60139951	1.79043244	4.76868199	199	129	1268
407013	NR_029497	MIR24-2	microRNA 24-2	2.577321332	5.168011028	1.338325	3.614246	7.093835	0.13997292	0.3412894	0.62147005	4	14	26
145837	NR_026979	DRAIC	downregulated RNA in cancer, in	2.577321332	5.168011028	0.061375	0.151247	0.298258	0.13997292	0.3412894	0.62147005	4	14	26
11199	NM_007193	ANXA10	annexin A10	-1.00641791	5.136653751	1.048352	1.033013	5.060766	1.30878272	1.30327576	3.10438964	58	77	367
51301	NM_016591	GCNT4	glucosaminyl (N-acetyl) transfera	-1.330220287	5.125386915	0.060836	0.045638	0.295129	0.26755841	0.20477631	1.03996283	8	8	51
9459	NM_001306177,NM_004840	ARHGEF6	Rac/Cdc42 guanine nucleotide e	4.56401305	5.111340581	0.019861	0.114331	0.121319	0.17294258	0.669904	0.73352601	5	31	32
201625	NM_001291661,NM_198564	DNAH12	dynein axonemal heavy chain 12	7.34846829	5.111340581	0.010928	0.101792	0.06666	0.17294258	0.96581954	0.73352601	5	50	32
93273	NM_001001552,NM_001199050	LEMD1	LEM domain containing 1	-2.542521394	5.105742719	0.687189	0.233316	3.999359	0.66524311	0.29720487	2.0010274	23	12	145
9252	NM_001322227,NM_001322228	RPS6KA5	ribosomal protein S6 kinase A5	-1.082508635	5.077677706	1.000161	0.956014	4.70851	2.73434891	2.63769986	4.89354711	222	274	1387
6480	NM_003032,NM_173216,NM_17	ST6GAL1	ST6 beta-galactoside alpha-2,6-s	3.461686908	5.066390822	0.546682	1.907495	2.625146	1.79522562	3.25693382	3.75799726	97	449	605
677797	NR_002992	SNORA7B	small nucleolar RNA, H/ACA box	6.444584108	5.057391985	0.344742	2.41966	1.850897	0.07168335	0.42561204	0.34394329	2	18	13
100034743	NR_111936,NR_111936_dup1	PDZK1P1	PDZ domain containing 1 pseudo	1.8268438	5.057391985	0.016384	0.044743	0.116582	0.07168335	0.13134883	0.34394329	2	5	13
56106	NM_018913,NM_032090	PCDHGA10	protocadherin gamma subfamily	13.06369279	5.053167882	0.154521	1.204835	0.458797	0.49317359	2.66830768	1.61867597	16	281	100
971	NM_001782	CD72	CD72 molecule	-1.03859314	5.045808655	0.1014	0.1013	0.563539	0.23670415	0.2284445	0.93448595	7	9	44
57822	NM_001195010,NM_021180,NM	GRHL3	grainyhead like transcription facto	-6.321471767	5.043349393	0.731187	0.115539	3.518275	1.61502061	0.40498891	3.51308411	81	17	503
8293	NM_021967,NM_021967_dup1,N	SERF1A	small EDRK-rich factor 1A	6.504701236	5.04136689	1.521323	17.019	13.114139	1.56621863	3.78372009	3.44613034	77	670	478
6275	NM_002961,NM_019554	S100A4	S100 calcium binding protein A4	4.005665612	5.037296254	262.884314	1054.478697	1244.978778	7.04826348	9.04212559	9.37217527	5157	27601	31951
8013	NM_006981,NM_173199,NM_17	NR4A3	nuclear receptor subfamily 4 grou	7.398749261	5.025160116	0.036588	0.272644	0.172689	0.26755841	1.33632702	1.02535867	8	80	50
339122	NM_001204883,NM_001204884	RAB43	RAB43, member RAS oncogene	-1.248410731	5.017251693	1.99067	1.595507	9.416756	3.27963753	2.99588686	5.48276272	342	366	2111
55289	NM_001142807	ACOXL	acyl-CoA oxidase like	-1.662261819	5.010937617	0.155124	0.091036	0.777729	0.46682716	0.29720487	1.5489128	15	12	93
125965	NM_144613	COX6B2	cytochrome c oxidase subunit 6B	-1.350795383	5.010786998	10.082799	7.472102	47.484921	4.11494833	3.70997765	6.37195038	641	634	3951
90249	NM_133369	UNC5A	unc-5 netrin receptor A	-1.039198952	5.007365195	4.168926	4.012989	19.62249	4.01393646	3.96195135	6.2649044	595	765	3665
643036	NR_003542	SLED1	proteoglycan 3 pseudogene	-1.937182024	4.999846938	0.104645	0.052271	0.498717	0.10623215	0.05398282	0.47868902	3	2	19
128178	NM_080738,NM_145861	EDARADD	EDAR associated death domain	1.617934183	4.98896908	0.158944	0.258387	0.778424	0.54446555	0.80196545	1.72191206	18	39	111
151887	NM_199511,NM_199512	CCDC80	coiled-coil domain containing 80	4.173405979	4.964955762	0.800516	3.622273	3.890055	2.23060596	4.03758735	4.27414582	145	809	886
55890	NM_018653,NM_022036	GPRC5C	G protein-coupled receptor class	-1.064789511	4.960672969	9.726355	9.150334	45.453976	4.55403551	4.4674299	6.81482914	883	1108	5388
3398	NM_002166	ID2	inhibitor of DNA binding 2, HLH p	1.412127389	4.954443206	2.545409	3.593384	11.878061	2.13345087	2.53239878	4.15342015	133	251	811
3853	NM_005554	KRT6A	keratin 6A	-1.647024248	4.952296514	0.042712	0.031765	0.25259	0.17294258	0.10601836	0.71544405	5	4	31
83483	NM_031310	PLVAP	plasmalemma vesicle associated	4.124362222	4.952296514	0.056774	0.23535	0.267307	0.17294258	0.61708849	0.71544405	5	28	31
23670	NM_001135820,NM_001349784	TMEM2	transmembrane protein 2	1.085730009	4.915572203	2.923764	3.24796	13.722276	4.29233333	4.40518902	6.52999085	730	1059	4414
148398	NM_152486	SAMD11	sterile alpha motif domain contair	-1.23825173	4.845145219	0.129106	0.103977	0.609906	0.41264541	0.3412894	1.38699077	13	14	78
57804	NM_001256870,NM_021173,NR	POLD4	DNA polymerase delta 4, access	-1.079282581	4.836501796	16.526307	15.606338	75.487934	4.83333524	4.72725823	7.06670597	1080	1337	6425
283875	NR_033861	LINC00514	long intergenic non-protein codin	-1.980810008	4.83058868	0.072938	0.036513	0.332095	0.29776659	0.15624221	1.08290869	9	6	54
4061	NM_001127213,NM_002346	LY6E	lymphocyte antigen 6 family mem	1.017946488	4.829715097	202.222977	206.090164	917.747986	7.85939016	7.88494265	10.12640778	9078	12347	53926
387646	NR_003525	LRRC37A6P	leucine rich repeat containing 37	2.858407533	4.817170233	0.028053	0.08113	0.127132	0.23670415	0.59904473	0.90287695	7	27	42
254100	NR_038923	SSSCA1-AS1	SSSCA1 antisense RNA 1 (head	2.193763055	4.805383315	0.360332	0.816937	1.679529	0.5190475	0.96581954	1.62837236	17	50	101
152110	NM_001031741,NM_001304384	NEK10	NIMA related kinase 10	15.11563291	4.793252448	0.02491	0.486955	0.146369	0.17294258	1.5673195	0.69713258	5	103	30
8459	NM_001008566,NM_003595	TPST2	tyrosylprotein sulfotransferase 2	2.399457367	4.787022989	0.875139	2.217061	4.158954	1.43646263	2.35011326	3.19852188	67	215	395
10846	NM_001130690,NM_006661	PDE10A	phosphodiesterase 10A	9.463762906	4.786387947	0.1236	1.192516	0.56664	1.01352966	3.41483526	2.5576298	40	507	236
647859	NR_026578	LOC647859	occludin pseudogene	-1.176759292	4.784674198	3.320462	2.844481	15.058135	1.5285023	1.37924953	3.32614297	74	84	436
7163	NM_001025252,NM_001025253	TPD52	tumor protein D52	-1.157690282	4.765338719	5.773055	5.002136	25.739469	4.56339093	4.36170552	6.76707475	889	1026	5211
4597	NM_002461	MVD	mevalonate diphosphate decarbc	1.005851161	4.754389605	11.50523	11.584016	51.422272	4.44691093	4.45044398	6.64312125	817	1098	4778
80352	NM_025236,NM_170769	RNF39	ring finger protein 39	-2.994591769	4.751788339	1.426056	0.473737	6.409615	2.01115992	1.00745609	3.94613924	119	53	696
353091	NM_001001788,NR_130110	RAET1G	retinoic acid early transcript 1G	1.342404334	4.74246244	0.916821	1.199944	4.065298	0.99521185	1.22307764	2.51644942	39	70	228
80853	NM_030647	KDM7A	lysine demethylase 7A	-1.269838379	4.734893573	0.491855	0.387516	2.195139	2.43469539	2.16012918	4.45120991	173	182	1008
3352	NM_000864	HTR1D	5-hydroxytryptamine receptor 1D	-2.265021151	4.730610826	1.747192	0.76795	7.795464	2.54584744	1.64851465	4.57920996	190	112	1106
7832	NM_006763	BTG2	BTG anti-proliferation factor 2	1.35455329	4.685379871	1.316419	1.789131	5.817461	2.16656821	2.51796519	4.11772436	137	248	790
91748	NM_001043318,NM_194278	ELMSAN1	ELM2 and Myb/SANT domain co	1.397168427	4.681797484	2.036533	2.92424	9.247551	4.09358292	4.55193121	6.25280965	631	1178	3634
1191	NM_001831,NR_038335,NR_04	CLU	clusterin	1.788727486	4.677646797	2.828689	5.072223	12.43755	3.15316384	3.91896052	5.24585326	310	741	1784
445577	NM_001098808	C9orf129	chromosome 9 open reading fran	2.4480728	4.674653892	0.316371	0.773779	1.402017	0.43999062	0.90836632	1.42086173	14	46	81
56120	NR_001297	PCDHGB8P	protocadherin gamma subfamily	3.602897765	4.67244491	0.026519	0.099251	0.116957	0.07168335	0.25173066	0.32020933	2	10	12
101929536	NR_135805	LOC101929536	uncharacterized LOC101929536	3.247686972	4.67244491	0.043568	0.131224	0.200553	0.07168335	0.2284445	0.32020933	2	9	12
5744	NM_002820,NM_198964,NM_19	PTHLH	parathyroid hormone like hormon	10.8869987	4.670415343	0.686059	8.639999	3.61758	1.10178443	3.75548863	2.66986823	45	656	259
93082	NM_001285485,NM_001285486	NEURL3	neuralized E3 ubiquitin protein lig	1.144092858	4.655466545	1.778703	2.03632	7.064969	1.86749926	2.01116974	3.73798383	104	159	596
3157	NM_001098272,NM_001324219	HMGCS1	3-hydroxy-3-methylglutaryl-CoA s	-1.029649203	4.654747482	2.650117	2.583182	11.748344	3.91021271	3.87089436	6.05176067	551	715	3155
26503	NM_012434	SLC17A5	solute carrier family 17 member 5	1.30833646	4.652289745	2.254137	2.953823	9.870309	3.05045588	3.39667017	5.1252021	286	500	1637
81539	NM_001077484,NM_001278387	SLC38A1	solute carrier family 38 member 1	1.280748118	4.651501433	4.243234	5.451295	17.689513	5.06833013	5.41588625	7.25196951	1278	2187	7312
10020	NM_001128227,NM_001190383	GNE	glucosamine (UDP-N-acetyl)-2-ep	-1.122671704	4.635282291	7.19424	6.540603	31.944689	5.25215086	5.08983838	7.44896686	1457	1734	8307
23179	NM_001297669,NM_001297670	RGL1	ral guanine nucleotide dissociatic	5.882965532	4.634208381	0.020288	0.150166	0.112035	0.17294258	0.81765451	0.6785857	5	40	29
110116772	NM_001350496	ZNF765-ZNF761	ZNF765-ZNF761 readthrough	2.825007878	4.632373934	0.393262	1.115014	1.716028	1.61502061	2.77260719	3.40158951	81	306	462
26152	NM_001290261,NM_015655	ZNF337	zinc finger protein 337	7.567904414	4.610109597	3.049152	23.001839	13.355105	3.85541331	6.6863532	5.98020636	529	5350	3000
102546175	NR_105016	LINC01338	long intergenic non-protein codin	1.213618985	4.598323757	1.853687	2.23821	8.07547	1.10178443	1.25799553	2.65096518	45	73	255
57016	NM_020299	AKR1B10	aldo-keto reductase family 1 mer	1.7212194	4.597114704	0.196701	0.360669	0.918776	0.41264541	0.65251278	1.34055586	13	30	74
84720	NM_001201484,NM_032634,NM	PIGO	phosphatidylinositol glycan ancho	2.680309188	4.573756989	2.046469	5.883399	9.27083	3.15728865	4.47487005	5.21883106	311	1114	1750
105375355	NM_001347684,NM_030570,NM	UPK3B	uroplakin 3B	1.004792909	4.560297746	101.200313	102.235546	438.177259	7.23474357	7.24159619	9.41639548	5874	7886	32947
51666	NM_016116,NM_145872	ASB4	ankyrin repeat and SOCS box co	-1.142340232	4.541122068	0.040845	0.030756	0.177386	0.20517559	0.18071335	0.76902392	6	7	34
284729	NR_026567	ESPNP	espin pseudogene	4.347903262	4.535107075	0.15659	0.737965	0.714847	0.41264541	1.29208824	1.32870978	13	76	73
54946	NM_001008485,NM_001008486	SLC41A3	solute carrier family 41 member 3	3.515735531	4.503225083	3.020482	10.741072	12.775496	2.92543304	4.59694851	4.94100562	259	1217	1435
114299	NM_001037293,NM_053016	PALM2	paralemmin 2	1.963208792	4.500206932	0.198523	0.396775	0.844056	1.50279892	2.20257223	3.21148164	72	189	399
100113392	NR_003694	SNORD11B	small nucleolar RNA, C/D box 11	3.477086927	4.48733701	0.164202	0.816157	0.895867	0.03628685	0.13134883	0.16897038	1	5	6
407010	NR_029495	MIR23A	microRNA 23a	1.238869866	4.477339267	0.936739	1.201673	4.454187	0.10623215	0.13134883	0.43515728	3	5	17
9201	NM_001195415,NM_001195416	DCLK1	doublecortin like kinase 1	10.57257436	4.475164314	0.019655	0.202134	0.078877	0.17294258	1.24644988	0.65979727	5	72	28
23762	NM_001282738,NM_001282739	OSBP2	oxysterol binding protein 2	1.461389588	4.472813885	4.992743	7.151072	21.140072	4.42312766	4.94913788	6.53128351	803	1568	4418
9712	NM_001080491,NM_014688,NR	USP6NL	USP6 N-terminal like	2.856478048	4.458371158	3.897041	8.620695	12.327008	3.8168978	5.26312825	5.89189395	514	1962	2819
57493	NM_020733	HEG1	heart development protein with E	1.979260921	4.445898704	0.489303	0.973408	2.052202	2.4278825	3.27409343	4.3566691	172	455	941
168451	NM_001130475,NM_001287598	THAP5	THAP domain containing 5	-1.052434386	4.443093887	1.071841	1.028349	4.56036	2.19894236	2.14154997	4.08464905	141	179	771
55902	NM_001076552,NM_001242393	ACSS2	acyl-CoA synthetase short-chain	-1.211704206	4.440095626	13.508001	11.16403	56.386334	5.32912486	5.05964438	7.45171991	1539	1697	8405
3953	NM_001003679,NM_001003680	LEPR	leptin receptor	1.00437455	4.424445673	2.181325	2.196208	8.800768	3.43720745	3.44292618	5.47606585	386	518	2101
54800	NM_001349413,NM_001349414	KLHL24	kelch like family member 24	1.431939154	4.418254595	1.594777	2.754105	8.184248	3.91752664	4.40648646	5.98540307	554	1060	3011
65078	NM_023004	RTN4R	reticulon 4 receptor	-1.31580944	4.399348864	0.908941	0.692867	3.773472	1.43646263	1.19932051	3.09042641	67	68	363

4610	NM_001033081,NM_001033082	MYCL	MYCL proto-oncogene, bHLH tra	-2.780399894	4.39557723	0.145037	0.053834	0.856879	0.61813834	0.25173066	1.74883089	21	10	114
901	NM_004354	CCNG2	cyclin G2	1.002790384	4.379826453	5.130341	5.151721	21.125847	4.8255806	4.82945947	6.91676387	1074	1439	5786
57514	NM_020754	ARHGAP31	Rho GTPase activating protein 3	3.036369359	4.377851746	0.096536	0.295065	0.398823	0.81895953	1.73367602	2.12264217	30	122	162
57578	NM_001346218,NM_020818,NR	UNC79	unc-79 homolog (C. elegans)	1.848388558	4.377126806	0.058883	0.107706	0.225511	0.13997292	0.25173066	0.54161868	4	10	22
540	NM_000053,NM_001005918,NM	ATP7B	ATPase copper transporting beta	2.134049843	4.371169344	0.108046	0.236012	0.454018	0.77668602	1.33632702	2.04513029	28	80	151
23650	NM_001330382,NM_012101	TRIM29	tripartite motif containing 29	1.498579221	4.350918549	7.311059	10.968234	29.999393	4.49170017	5.05386023	6.5629131	844	1690	4517
54478	NM_001195228,NM_019013	PIMREG	PICALM interacting mitotic regula	1.757397697	4.350456608	4.172895	7.347073	17.088879	2.83562844	3.55948145	4.79259544	241	566	1290
90293	NM_001168299,NM_001168300	KLHL13	kelch like family member 13	3.498342783	4.333765766	0.267954	0.947125	1.310379	1.03161781	2.2203867	2.46867149	41	192	219
11237	NM_001134337,NM_001134338	RNF24	ring finger protein 24	2.515161884	4.333274647	1.391236	3.522577	5.710859	3.47073972	4.72101485	5.48276272	396	1331	2111
257000	NR_027064	TINCR	tissue differentiation-inducing nor	2.777296939	4.333063493	0.222247	0.622518	0.911162	0.86002952	1.70865125	2.18310266	32	119	171
57158	NM_020433,NM_175913	JPH2	junctophilin 2	-1.167609212	4.3289717	0.095393	0.065462	0.321856	0.43999062	0.38406669	1.35230545	14	16	75
3560	NM_000878,NM_001346222,NM	IL2RB	interleukin 2 receptor subunit bet	2.072658361	4.316120248	0.025455	0.066659	0.130796	0.17294258	0.3412894	0.64076093	5	14	27
51560	NM_016577	RAB6B	RAB6B, member RAS oncogene	3.47489894	4.316090962	0.465029	1.618994	1.890745	1.81624731	3.28823882	3.57205238	99	460	526
23193	NM_001278192,NM_001278193	GANAB	glucosidase II alpha subunit	1.430906564	4.30959993	35.283668	49.50462	139.181779	7.05629268	7.56996307	9.15552195	5186	9915	27489
3480	NM_000875,NM_001291858	IGF1R	insulin like growth factor 1 recept	-1.457706714	4.306081973	1.099857	0.755045	4.455131	3.81942505	3.3216324	5.84536435	515	472	2728
81537	NM_030791	SGPP1	sphingosine-1-phosphate phosph	1.193252315	4.297421139	7.990672	9.542398	32.274841	4.76470172	5.01100366	6.82698537	1028	1639	5434
79948	NM_001270366,NM_024888	PLPPR3	phospholipid phosphatase relate	1.271370539	4.296849364	0.314988	0.431213	1.377972	0.81895953	0.97983233	2.10191219	30	51	159
10228	NM_001286210,NM_005819	STX6	syntaxin 6	1.362784949	4.295226539	2.393076	3.266961	9.598739	3.66286259	4.07885924	5.67571782	458	834	2420
11228	NM_001164746,NM_001164747	RASSF8	Ras association domain family m	1.989120878	4.288407295	0.235608	0.470342	1.017499	1.23264156	1.88281796	2.76523898	53	141	280
2199	NM_001004019,NM_001165035	FBLN2	fibulin 2	-1.313695475	4.287497836	0.011422	0.008558	0.043633	0.07168335	0.05398282	0.29607837	2	2	11
60598	NM_022358	KCNK15	potassium two pore domain chan	-1.442196925	4.28707656	0.134115	0.087763	0.544469	0.41264541	0.29720487	1.28032816	13	12	69
10484	NM_006364	SEC23A	Sec23 homolog A, coat complex	1.453926335	4.275345552	7.942242	11.559743	31.917768	5.04403172	5.57030594	7.10627477	1256	2440	6605
114898	NM_031908	C1QTNF2	C1q and TNF related 2	2.223481544	4.275076206	0.065269	0.146953	0.265358	0.20517559	0.42561204	0.73352601	6	18	32
7057	NM_003246	THBS1	thrombospondin 1	5.158409337	4.273002491	8.870279	45.809536	35.620831	5.98998006	8.33854101	8.06778787	2456	16928	12908
23474	NM_001320867,NM_001320868	ETHE1	ETHE1, persulfide dioxygenase	-1.756530893	4.265717615	17.877587	10.329294	71.088996	4.11070049	3.35963909	6.13828834	639	486	3353
5187	NM_002616	PER1	period circadian clock 1	1.854991853	4.252240583	5.326161	9.893996	21.289877	4.66827758	5.53337122	6.7125667	959	2377	5016
83850	NM_001322831,NM_001322834	ESYT3	extended synaptotagmin 3	1.430658782	4.238263528	0.049222	0.071918	0.199681	0.38477185	0.52452456	1.20457043	12	23	63
100506999	NR_146449,NR_146450	LINC02318	long intergenic non-protein codin	-1.099499183	4.213744303	0.377376	0.242524	1.160832	0.43999062	0.40498891	1.32870978	14	17	73
155382	NM_001077621	VPS37D	VPS37D, ESCRT-I subunit	-1.126786721	4.202521812	0.439895	0.388514	1.742291	0.7550755	0.68708806	1.96321628	27	32	140
3373	NM_033159,NM_153281,NM_15	HYAL1	hyaluronoglucosaminidase 1	-1.226390523	4.201820035	0.461738	0.373365	2.092144	1.10178443	0.95166931	2.54232458	45	49	233
4680	NM_002483	CEACAM6	carcinoembryonic antigen related	-4.732623548	4.197681173	35.664345	140.692184	6.51286763	43.32786827	8.5704098	3546	1001	18308	
440854	NM_001145122,NM_001321270	CAPN14	calpain 14	3.639086627	4.19207803	0.061561	0.24148	0.266528	0.3273552	0.95166931	1.05442063	10	49	52
100533970	NR_037928	P2RX5-TAX1BP3	P2RX5-TAX1BP3 readthrough (N	3.423121494	4.190826158	0.14885	0.512062	0.588888	0.93882015	2.05153568	2.27855908	36	165	186
54832	NM_001018088,NM_017684,NM	VPS13C	vacuolar protein sorting 13 homo	2.082681524	4.187438686	1.106512	2.327453	4.391838	3.97005831	4.97996669	5.96450295	576	1603	2967
1646	NM_001135241,NM_001321027	AKR1C2	aldo-keto reductase family 1 mer	3.422493825	4.187361888	0.407467	1.515723	2.129207	1.29387258	2.57907432	2.82548777	57	261	294
7107	NM_003272	GPR137B	G protein-coupled receptor 137B	-1.106999957	4.166014144	2.228837	2.011751	8.729435	2.44147625	2.32288731	4.28338119	174	210	892
25849	NM_015393	PARM1	prostate androgen-regulated muc	5.736415256	4.157076181	0.020705	0.150145	0.10228	0.17294258	0.80196545	0.62147005	5	39	26
11076	NM_007030	TPPP	tubulin polymerization promoting	-1.038897293	4.156130604	0.060777	0.058558	0.23665	0.43999062	0.42561204	1.31676564	14	18	72
101927550	NR_110102	LOC101927550	uncharacterized LOC101927550	2.468588018	4.142053275	0.042413	0.111659	0.181462	0.20517559	0.46599441	0.71544405	6	20	31
80823	NM_001142524,NM_001142525	BHLHB9	basic helix-loop-helix family mem	1.350799623	4.132607848	0.199979	0.269248	0.767682	0.83964067	1.04792463	2.09493548	31	56	158
3977	NM_001127671,NM_002310	LIFR	LIF receptor alpha	3.088562223	4.129728449	0.11282	0.355042	0.445805	1.10178443	2.18453503	2.52166171	45	186	229
6320	NM_002975	CLEC11A	C-type lectin domain containing 1	1.494224427	4.129019749	0.371505	0.556432	1.446651	0.59399636	0.81765451	1.63800401	20	40	102
687	NM_001206	KLF9	Kruppel like factor 9	1.512294813	4.125769496	0.711268	1.076582	2.763545	2.20692365	2.69403583	3.99380211	142	287	721
8935	NM_001303468,NM_003930	SKAP2	src kinase associated phosphopr	2.799423572	4.121773167	3.907854	10.963369	15.158452	4.02074421	5.44774276	5.99527239	598	2237	3032
79718	NM_001321193,NM_001321194	TBL1XR1	transducin beta like 1 X-linked re	3.753274924	4.120950964	7.169052	27.135872	27.835089	5.83252285	7.72203193	7.85625366	2198	11023	11141
8987	NM_003943	STBD1	starch binding domain 1	1.390575294	4.064005395	2.437521	3.390039	9.307775	3.00082115	3.42511354	4.88143447	275	511	1375
1185	NM_001256959,NM_001286,NR	CLCN6	chloride voltage-gated channel 6	1.263820577	4.052389777	2.154213	2.724092	8.199994	3.69442889	4.0088325	5.62697525	469	792	2338
728989	NR_02444	LOC728989	phosphodiesterase 4D interacting	1.581260973	4.045172343	0.413088	0.655494	1.578226	0.5190475	0.75384785	1.46482043	17	36	85
100653515	NM_001243540,NM_001243541	CEP295NL	CEP295 N-terminal like	1.295180463	4.042514584	0.177738	0.234307	0.689115	0.46682716	0.58077243	1.35230545	15	26	75
130535	NM_001321547,NM_001321548	KCTD18	potassium channel tetramerizatic	4.297193425	4.040474696	1.356161	5.945559	5.360165	2.23060596	4.07723084	3.99380211	145	833	721
634	NM_001024912,NM_001184813	CEACAM1	carcinoembryonic antigen related	-1.209992364	4.033908348	15.606588	12.986877	59.999887	5.72269098	5.45340297	7.71423404	2034	2246	10092
206338	NM_173800	LVRN	laeverin	-1.383577046	4.024108574	0.153306	0.11369	0.599256	0.77668602	0.59904473	1.95553366	28	27	139
1850	NM_004420	DUSP8	dual specificity phosphatase 8	1.560028771	4.021462535	0.476178	0.746624	1.812723	1.62696745	2.09080288	3.23388481	82	171	406
4501	NM_005952	MT1X	metallothionein 1X	1.495509233	4.014892873	2.504632	3.756368	9.515538	0.99521185	1.31437719	2.32103228	39	78	193
54885	NM_017752,NM_198881	TBC1D8B	TBC1 domain family member 8B	1.492674353	4.008150285	0.94378	1.709601	3.87316	2.55212659	3.04669644	4.35812668	191	381	942
100133669	NR_026913	LOC100133669	uncharacterized LOC100133669	-2.806963906	3.997659157	0.602541	0.202093	2.367795	0.5190475	0.20477631	1.45395569	17	8	84
2775	NM_020988,NM_138736	GNAO1	G protein subunit alpha o1	13.63377998	3.983563195	0.113131	1.540185	0.402316	0.68823103	3.22787299	1.78395874	24	439	118
85294	NM_033184	KRTAP2-4	keratin associated protein 2-4	1.301688978	3.981684695	0.119815	0.169312	0.515448	0.13997292	0.18071335	0.49997203	4	7	20
3310	NM_002155	HSPA6	heat shock protein family A (Hsp	1.775457177	3.975609471	0.435659	0.783997	1.659548	1.01352966	1.49109792	2.33885915	40	95	196
6774	NM_003150,NM_139276,NM_21	STAT3	signal transducer and activator o	1.015807952	3.958865	7.451716	7.546907	27.623659	5.19009033	5.21210456	7.14542046	1394	1892	6788
54805	NM_017649,NM_199076,NM_19	CNNM2	cyclin and CBS domain divalent r	-1.050417989	3.94807125	1.851281	1.639296	5.731664	2.82529613	2.76453517	4.64517113	239	304	1160
196913	NR_131171	LINC01599	long intergenic non-protein codin	1.655394661	3.938313647	0.234975	0.397822	0.887016	0.29776659	0.48599441	0.93448595	9	20	44
8682	NM_001297576,NM_001297577	PEA15	phosphoprotein enriched in astro	4.236737257	3.936567633	6.885123	28.87835	25.159476	4.12761734	6.14627712	6.04181814	647	3663	3133
93109	NM_001011655,NM_001166305	TMEM44	transmembrane protein 44	3.958067035	3.935511196	4.008867	16.104132	15.043001	3.3677101	5.2443866	5.2363737	366	1936	1772
2222	NM_001287742,NM_001287743	FDFT1	farnesyl-diphosphate farnesyltrar	-1.012349959	3.934367945	26.262851	26.597814	99.730578	5.86251679	5.84511405	7.82008905	2245	2963	10864
10529	NM_001173484,NM_006393,NM	NEBL	nebulette	1.031151657	3.924306239	0.436005	0.397229	1.768691	2.15010456	2.18453503	3.85822657	135	186	652
58476	NM_001329429,NM_001329430	TP53INP2	tumor protein p53 inducible nucle	1.179913774	3.913129778	1.555627	1.835901	5.734199	2.87121968	3.07960182	4.68520645	248	391	1194
345557	NM_001005473	PLCXD3	phosphatidylinositol specific phos	5.463165951	3.907742814	0.861545	4.71594	3.166483	2.90595399	5.18967248	4.72189817	255	1862	1226
5652	NM_002773	PRSS8	protease, serine 8	-1.068121911	3.906299711	77.079399	72.240685	282.970154	7.14464429	7.05026047	9.10286297	5516	6900	26502
102465523	NR_10692?	MIR6867	microRNA 6867	-1.166137663	3.902616546	2.597957	2.175383	9.847919	0.23670415	0.20477631	0.76902392	7	8	34
2886	NM_001030002,NM_001242442	GRB7	growth factor receptor bound pro	1.009290694	3.901244901	13.80982	14.011028	50.964348	4.93533846	4.9482473	6.86387773	1162	1567	5576
10100	NM_001308315,NM_001308316	TSPAN2	tetraspanin 2	1.102181527	3.896465552	3.419165	3.788169	12.608468	3.55131131	3.68025029	5.41924838	421	620	2018
1001	NM_001317195,NM_001317196	CDH3	cadherin 3	-1.019960323	3.896337261	21.756089	21.238615	79.319396	6.30643285	6.27828263	8.25497637	3068	4019	14703
26471	NM_001042483,NM_012385	NUPR1	nuclear protein 1, transcriptional	-1.606975687	3.895785557	7.189358	4.411301	26.246976	2.81488929	2.24959721	4.61622671	237	197	1136
3486	NM_000598,NM_001013398	IGFBP3	insulin like growth factor binding	1.721051412	3.881303982	28.040427	48.354427	102.353002	6.17833593	6.95327869	8.1200553	2804	6448	13386
3156	NM_000859,NM_001130996	HMGCR	3-hydroxy-3-methylglutaryl-CoA r	-1.046044023	3.878963679	11.586868	11.121537	41.998735	5.70236863	5.63869677	7.63738734	2005	2561	9566
2099	NM_000125,NM_001122740,NM	ESR1	estrogen receptor 1	8.106036911	3.876007413	0.022517	0.197708	0.086692	0.20517559	1.1761656	0.6785857	6	66	29
57643	NM_020883	ZSWIM5	zinc finger SWIM-type containing	9.086462805	3.876007413	0.026896	0.247726	0.096307	0.20517559	1.26944952	0.6785857	6	74	29
785	NM_000726,NM_001005746,NM	CACNB4	calcium voltage-gated channel au	2.232117843	3.870463319	0.030734	0.069059	0.110486	0.3273552	0.65251278	0.99569924	10	30	48
50848	NM_001348091,NM_016946	F11R	F11 receptor	1.864567887	3.869242558	6.048324	11.206606	21.798479	4.86520493	5.74097317	6.78018209	1105	2753	5259
94009	NR_027786	SERHL	serine hydrolase-like (pseudogen	-1.41591317	3.8551196	0.316	0.220131	1.182196	0.5190475	0.38406669	1.42086173	17	16	81
1364	NM_001305	CLDN4	claudin 4	-1.844556529	3.831294926	159.748276	86.700951	575.163208	8.15882404	7.27979552	10.0929315	11181	8099	52688
140685	NM_025224	ZBTB46	zinc finger and BTB domain cont	1.057917735	3.830024043	0.13998	0.151092	0.519549	0.79797761	0.83317479	1.9400446	29	41	137
56262	NM_001127244,NM_001127245	LRRC8A	leucine rich repeat containing 8 f	-1.513027364	3.819172929	37.584158	24.745272	134.356564	7.31816423	6.72534408	9.24475485	6226	5498	29246
79007	NM_001042610,NM_001288708	DBNDD1	dysbindin domain containing 1	-1.059242738	3.817678892	3.188219	3.006901	11.346318	2.94941774	2.87737723	4.73766195	264	333	1240
55680	NM_001042417,NM_001278225	RUFY2	RUN and FYVE domain containir	1.977100775	3.812590111	2.143564	4.281596	8.062031	3.31698997	4.22720295	5.13713733	352	930	1651
100132074	NM_001291281	FOXO6	forkhead box O6	1.19157151	3.803473678	0.590983	0.697442	2.10904	1.24819466	1.40024122	2.64141996	54	86	253
154761	NR_015421	LOC154761	family with sequence similarity 1	8.955483101	3.783963639	0.035397	0.375511	0.143905	0.13997292	0.95166931	0.47868902	4	49	19
1717	NM_001163817,NM_001360	DHCR7	7-dehydrocholesterol reductase	1.359685741	3.783451268	16.053786	21.900486	57.172612	5.4160359	5.85036724	7.31073549	1637	2974	7618
6720	NM_001005291,NM_001321096	SREBF1	sterol regulatory element binding	-1.009122876	3.783268097	20.003403	19.821105	72.395603	6.3951171	6.38217119	8.30212027	3265	4323	15193
100500842	NR_037425	MIR3652	microRNA 3652	-1.064258885	3.782328102	46.119556	43.24897	164.015244	2.78321062	2.70672986	4.53993458	231	290	1075
56605	NM_019891	ERO1B	endoplasmic reticulum oxidoredu	2.962120606	3.776570328	0.64569	1.919084	2.295425	2.0648444	3.38355363	3.70399851	125	495	581
100129617	NR_045112	LOC100129617	uncharacterized LOC100129617	1.104654034	3.76350864	0.856487	0.94613	3.037372	1.38110603	1.47139626	2.81703332	63	93	292
56204	NM_001286495,NM_019600,NR	FAM214A	family with sequence similarity 2	3.467980223	3.760626991	2.163818	7.431451	7.559446	3.36057263	5.05137419	5.16488576	364	1687	1684
145241	NR_003951	ADAM21P1	ADAM metallopeptidase domain	1.448836667	3.756249022	0.012705	0.019038	0.048099	0.03628685	0.05398282	0.14214747	1	2	5
106633810	NR_132762	SCARNA26A	small Cajal body-specific RNA 26	2.124920087	3.756249022	0.019973	0.314111	0.595985	0.03628685	0.08023518	0.14214747	1	3	5
80218	NM_001308445,NM_025146	NAA50	N(alpha)-acetyltransferase 50, N	7.167095863	3.748534277	7.482587	53.698135	26.3622	5.51979639	8.33394575	7.40294735	1762	16874	8124
259217	NM_001330164,NM_025015	HSPA12A	heat shock protein family A (Hsp	3.648367754	3.741656954	0.048966	0.180041	0.168849	0.35634914	1.02107213	1.03996283	11	54	51
2272	NM_001166243,NM_001320899	FHIT	fragile histidine triad	4.450688488	3.734891266	0.214626	1.003033	0.803094	0.77668602	2.06474386	1.87636985	28	167	129

56977	NM_020225,NR_132761	STOX2	storkhead box 2	1.33486787	3.72916586	0.218716	0.364368	1.144827	1.69664266	1.99745948	3.22751932	88	157	404
100526842	NM_001199355,NM_001199356	RPL17-C18orf32	RPL17-C18orf32 readthrough	1.496517011	3.718631695	2.026445	3.027037	7.088388	2.27683528	2.75641772	3.93641476	151	302	691
5507	NM_005398	PPP1R3C	protein phosphatase 1 regulatory	2.80408886	3.708224237	0.76458	2.171125	2.690935	1.55375576	2.68551066	3.03318152	76	285	347
100131551	NR_024480	LINC00887	long intergenic non-protein codin	-1.216667477	3.700919912	0.355479	0.286636	1.236815	1.03161781	0.89363826	2.28470378	41	45	187
1288	NM_001287758,NM_001287759	COL4A6	collagen type IV alpha 6 chain	10.77756057	3.695221015	0.054214	0.586757	0.187849	0.43999062	2.28388661	1.21747621	14	203	64
403323	NR_122076,NR_122077	LOC403323	uncharacterized LOC403323	2.925067466	3.69357776	0.051084	0.19018	0.191753	0.10623215	0.29720487	0.36729312	3	12	14
100616424	NR_039856	MIR4707	microRNA 4707	1.214769507	3.690691261	5.150648	6.251258	18.22731	0.49317359	0.58077243	1.32870978	16	26	73
94241	NM_001135733,NM_033285	TP53INP1	tumor protein p53 inducible nucle	1.831406569	3.690064941	0.794941	1.460345	2.774546	2.4278825	3.17404113	4.10215159	172	421	781
154141	NM_001080480,NR_073465	MBOAT1	membrane bound O-acyltransfera	-1.556742567	3.68517998	1.79036	1.148008	6.210797	3.09414281	2.54649137	4.84759061	296	254	1342
5978	NM_001193508,NM_005612	REST	RE1 silencing transcription factor	2.969817129	3.678104008	2.040284	6.065433	7.053713	3.96064828	5.46838919	5.77071509	572	2270	2588
54566	NM_018424,NM_019114	EPB41L4B	erythrocyte membrane protein ba	-1.462666252	3.676699961	1.930067	1.333782	6.736832	3.11125378	2.63769986	4.86307268	300	274	1357
2644	NM_005258	GCHFR	GTP cyclohydrolase I feedback r	-1.878143293	3.676177396	2.78313	1.475028	9.631216	1.55375576	1.02107213	3.02219055	76	54	344
100750247	NR_045406	HIF1A-AS2	HIF1A antisense RNA 2	2.647789023	3.673978124	0.082973	0.232966	0.307904	0.23670415	0.56226574	0.73352601	7	25	32
50617	NM_020632,NM_130840,NM_13	ATP6V0A4	ATPase H+ transporting V0 subu	2.691950392	3.667000273	0.104032	0.28969	0.369996	0.41264541	0.92294555	1.15176086	13	47	59
5021	NM_000916	OXTR	oxytocin receptor	1.182470637	3.664844478	2.094989	2.48421	7.232106	3.30959645	3.52883263	5.07378969	350	553	1578
3643	NM_000208,NM_001079817	INSR	insulin receptor	-1.004415343	3.662826502	0.904075	0.90176	3.115507	3.2098649	3.20419534	4.96511882	324	431	1460
79784	NM_001077186,NM_001145809	MYH14	myosin heavy chain 14	-1.984329122	3.66281035	18.077114	9.119238	62.230619	6.91788493	5.94089851	8.78216087	4708	3170	21210
55753	NM_001143996,NM_001143997	OGDHL	oxoglutarate dehydrogenase-like	1.959337245	3.661651372	0.236891	0.46433	0.827072	0.95786335	1.51053416	2.15654364	37	97	167
100506827	NR_131958,NR_131959	LINC02475	long intergenic non-protein codin	-1.526548834	3.661409678	1.974809	1.283518	6.836374	2.55837852	2.07130288	4.24134834	192	168	865
5349	NM_001136007,NM_001136008	FXYD3	FXYD domain containing ion tran	-3.39532746	3.650311902	35.043068	10.463742	119.35993	5.52937575	3.83857782	7.37460163	1774	698	7965
9145	NM_004711,NM_145731,NM_14	SYNGR1	synaptogyrin 1	2.36654173	3.641237686	6.977472	15.357008	20.995755	3.79315817	4.97472832	5.58027977	505	1597	2262
3229	NM_017410	HOXC13	homeobox C13	2.172477755	3.634119609	0.131025	0.280097	0.450074	0.38477185	0.73744528	1.08290869	12	35	54
1032	NM_001800,NM_079421	CDKN2D	cyclin dependent kinase inhibitor	-1.115768515	3.630209422	11.086808	9.640549	38.128672	3.91265481	3.76563483	5.70178309	552	661	2465
148189	NR_027301	LINC00662	long intergenic non-protein codin	1.115358045	3.630154625	0.663725	0.745643	2.306721	1.23264156	1.32539385	2.56269567	53	79	237
51196	NM_001165979,NM_001288989	PLCE1	phospholipase C epsilon 1	-1.716166512	3.629802769	0.720408	0.419918	2.471962	2.72881625	2.09724475	4.42223881	221	172	987
23308	NM_001283050,NM_001283051	ICOSLG	inducible T-cell costimulator ligar	2.325835244	3.623170033	0.422185	0.994614	1.45351	1.24819466	2.07130288	2.58278312	54	168	241
8608	NM_001320108,NM_003708	RDH16	retinol dehydrogenase 16 (all-tra	-1.902600588	3.621829514	0.220013	0.117887	0.770247	0.81895953	0.48576948	1.91649468	30	21	134
5801	NM_001207015,NM_001207016	PTPRR	protein tyrosine phosphatase, rec	2.129280722	3.620771152	0.537144	1.15667	2.356296	1.50279892	2.29513766	2.9350236	72	205	321
11067	NM_007021	C10orf10	chromosome 10 open reading fra	-1.375054942	3.606994259	8.948097	6.515659	30.349192	4.24466875	3.81336732	6.0354888	705	685	3128
109729141	NR_146292,NR_146293	TDRKH-AS1	TDRKH antisense RNA 1	-1.412981023	3.605445714	0.849918	0.638374	3.797875	0.93882015	0.72085408	2.10885534	34	36	160
6721	NM_004599,NR_103834	SREBF2	sterol regulatory element binding	-1.070313945	3.603468062	7.423893	6.979657	25.180297	5.20317354	5.20317354	7.12137423	1506	1880	6675
93010	NM_145236	B3GNT7	UDP-GlcNAc:betaGal beta-1,3-N	-3.394350809	3.598238372	2.602301	0.762676	8.808457	3.34979977	1.89025622	5.09142367	361	142	1598
80223	NM_001002814,NM_025151	RAB11FIP1	RAB11 family interacting protein	-2.923830304	3.597350129	12.188992	4.458042	42.430178	6.37400578	4.85913858	8.20836255	3217	1470	14234
9542	NM_001184935,NM_004883,NM	NRG2	neuregulin 2	1.155161907	3.595320959	0.072158	0.080983	0.245197	0.35634914	0.40498891	1.01060517	11	17	49
57181	NM_001127257,NM_020342	SLC39A10	solute carrier family 39 member	1.438162404	3.589575535	2.447735	3.5243	8.258218	3.7744826	4.26631627	5.54039208	498	957	2199
113230	NM_001291291,NR_111941	MISP3	MISP family member 3	-2.556452947	3.584937331	0.918391	0.353434	3.131484	1.15225689	0.56226574	2.43038515	48	25	212
79689	NM_001205315,NM_001205316	STEAP4	STEAP4 metalloreductase	-4.751288635	3.567501665	1.943178	0.387328	6.349806	3.2098649	1.45142181	4.92830565	324	91	1422
6446	NM_001143676,NM_001143677	SGK1	serum/glucocorticoid regulated ki	-1.39146095	3.561844755	1.831002	1.378766	6.357614	2.44822539	2.07130288	4.07758814	175	168	767
64761	NM_022750,NR_130117	PARP12	poly(ADP-ribose) polymerase fan	2.434115816	3.543855476	3.162389	7.705244	10.559289	3.66576097	4.88077062	5.40732977	459	1493	2001
22891	NM_014951,NM_199450,NM_19	ZNF365	zinc finger protein 365	-1.931214258	3.527479676	1.168494	0.604187	3.871983	2.53320657	1.79836126	4.16179054	188	130	816
401089	NM_001040061	FOXL2NB	FOXL2 neighbor	4.677207436	3.522909301	0.242445	1.144272	0.805587	0.97665845	2.46913115	2.1430785	38	238	165
51268	NM_016518	PIPOX	pipecolic acid and sarcosine oxid	3.245060568	3.520899914	0.043385	0.17529	0.18104	0.17294258	0.50527715	0.54161868	5	22	22
760	NM_000067,NM_001293675	CA2	carbonic anhydrase 2	-1.249824891	3.520072366	5.458208	4.371416	18.168486	3.30216484	3.01642592	5.00938866	348	372	1507
574412	NR_029973	MIR452	microRNA 452	1.471633007	3.517603686	0.518045	0.707805	1.913844	0.07168335	0.10601836	0.24657076	2	4	9
677830	NR_002980	SNORA50A	small nucleolar RNA, H/ACA box	1.471633007	3.517603686	0.287591	0.566529	1.244174	0.07168335	0.10601836	0.24657076	2	4	9
102465503	NR_106895	MIR6836	microRNA 6836	-2.463050374	3.517603686	0.600275	0.237203	2.594736	0.07168335	0.02724389	0.24657076	2	1	9
102467003	NR_107005	MIR7851	microRNA 7851	1.471633007	3.517603686	0.194267	0.41241	1.025388	0.07168335	0.10601836	0.24657076	2	4	9
102466864	NR_106997	MIR6516	microRNA 6516	-1.313695475	3.517603686	0.46713	0.287816	2.155356	0.07168335	0.05398282	0.24657076	2	2	9
285521	NM_001297732,NM_001297733	COX18	COX18, cytochrome c oxidase as	-3.423648871	3.509269457	1.116731	0.324257	3.708363	2.57697339	1.29208824	4.20455055	195	76	842
10551	NM_006408	AGR2	anterior gradient 2, protein disulp	-2.2821103	3.501112429	30.994957	13.579753	102.006615	4.93893692	3.80748641	6.71285154	1165	682	5017
9732	NM_014705	DOCK4	dedicator of cytokinesis 4	1.183385792	3.499865405	0.037629	0.04413	0.124592	0.38477185	0.44594451	1.05442063	12	19	52
9423	NM_004822	NTN1	netrin 1	1.571798206	3.495893088	0.698282	1.097533	2.296101	2.33625658	2.8811152	3.92268941	159	334	684
3422	NM_001317955,NM_001317956	IDI1	isopentenyl-diphosphate delta iso	-1.127408789	3.484546863	14.322826	12.640568	47.341495	5.4065374	5.23784196	7.18312086	1626	1927	6969
55287	NM_001284406,NM_001284407	TMEM40	transmembrane protein 40	1.250624554	3.484187404	1.886753	2.349655	6.314692	2.23841445	2.49862948	3.80364308	146	244	626
92597	NM_001244766,NM_001244767	MOB1B	MOB kinase activator 1B	2.878450663	3.482487986	2.337092	6.672237	7.639178	4.02300634	5.48935666	5.75862518	599	2304	2566
3383	NM_000201	ICAM1	intercellular adhesion molecule 1	1.393699694	3.480058622	4.503529	6.286048	14.735223	3.92963473	4.38163336	5.65984958	559	1041	2393
8491	NM_001270425,NM_003618	MAP4K3	mitogen-activated protein kinase	1.085102366	3.471726338	3.967177	4.315895	12.99306	4.15055879	4.26202234	5.88735842	658	954	2810
57593	NM_001110514,NR_138537	EBF4	early B-cell factor 4	1.10836228	3.452809896	0.238468	0.269079	0.783867	0.7550755	0.81765451	1.75769337	27	40	115
400451	NM_207446	FAM174B	family with sequence similarity 17	1.774541276	3.440493558	0.585929	1.041836	1.896608	1.32354034	1.87534115	2.62698266	59	140	250
64114	NM_001321427,NM_001321428	TMBIM1	transmembrane BAX inhibitor mo	1.234110299	3.439690197	60.693409	75.229705	196.123979	7.14204496	7.44358266	8.91708144	5506	9079	23294
55790	NM_001130518,NM_018371,NR	CSGALNACT1	chondroitin sulfate N-acetylgalac	-1.408736109	3.433263318	1.529024	1.089986	4.952923	2.78853894	2.37983491	4.44245104	232	220	980
728463	NR_046268	TGFB2-AS1	TGFB2 antisense RNA 1 (head to	9.669857865	3.432323925	0.096993	1.390584	0.445599	0.10623215	0.81765451	0.34394329	3	40	13
102464831	NR_106728	MIR6080	microRNA 6080	-3.632026599	3.432323925	1.189149	0.232302	3.874113	0.10623215	0.02724389	0.34394329	3	1	13
648740	NR_024438	ACTG1P4	actin gamma 1 pseudogene 4	3.152058602	3.421531338	0.097182	0.333442	0.338223	0.26755841	0.72085408	0.76902392	8	34	34
388282	NM_001278081	LOC388282	uncharacterized LOC388282	3.336697327	3.421531338	0.150816	0.535971	0.525803	0.26755841	0.75384785	0.76902392	8	36	34
653583	NM_198850	PHLDB3	pleckstrin homology like domain f	-1.141081129	3.412705246	6.204677	5.442491	19.918781	4.00480921	3.82699692	5.71093841	591	692	2481
9787	NM_001146015,NM_014750	DLGAP5	DLG associated protein 5	1.542436983	3.4120267	15.439442	23.773909	49.361102	5.5412612	6.15556624	7.28988498	1789	3687	7508
1514	NM_001257971,NM_001257972	CTSL	cathepsin L	1.447547974	3.40882246	81.089929	117.465658	260.393675	7.01512412	7.54529217	8.77651705	5039	9746	21127
79646	NM_024594	PANK3	pantothenate kinase 3	1.872623799	3.404256498	3.286764	6.163714	10.525762	3.5668994	4.41424668	5.24585326	426	1066	1784
10501	NM_032108	SEMA6B	semaphorin 6B	1.509316618	3.403119885	1.165996	1.765043	3.732155	2.45494311	2.95745524	4.02350017	176	355	737
100526833	NR_037611,NR_037612	SEPT5-GP1BB	SEPT5-GP1BB readthrough	1.331049716	3.400132477	1.461835	1.954533	5.551711	2.93987166	3.30503223	4.56665693	262	466	1096
7779	NM_021194	SLC30A1	solute carrier family 30 member	1.345756562	3.397439696	5.772814	7.78908	18.453678	3.62762016	4.02581645	5.30750681	446	802	1864
6249	NM_001247997,NM_002956,NM	CLIP1	CAP-Gly domain containing linke	2.305035344	3.384749504	5.378134	12.415498	17.112961	4.96623093	6.1447231	6.69248626	1188	3659	4946
23057	NM_015039,NM_170706	NMNAT2	nicotinamide nucleotide adenylyl	2.854051327	3.380396155	0.256322	0.739232	0.820303	1.26358189	2.32288731	2.52166171	55	210	229
160851	NM_001204504,NM_001204505	DGKH	diacylglycerol kinase eta	4.001686685	3.380006526	0.690528	1.90985	1.513221	3.17773766	5.05386023	4.81823857	316	1690	1314
200407	NM_153836	CREG2	cellular repressor of E1A stimulat	1.122506006	3.375718821	0.67236	0.755436	2.141648	1.7191395	1.83736459	3.12850473	90	135	374
22998	NM_001112717,NM_001112718	LIMCH1	LIM and calponin homology dom	1.82910321	3.373323101	4.525883	8.129426	13.986388	4.76750079	5.6348274	6.50454979	1045	2554	4336
8754	NM_003816,NR_027638,NR_02	ADAM9	ADAM metallopeptidase domain	1.029018661	3.366987476	76.304569	78.575184	241.16256	8.25156967	8.29270568	9.9997059	11926	16397	49388
8744	NM_003811	TNFSF9	TNF superfamily member 9	-1.306187526	3.366186552	2.751862	2.114723	8.743061	2.45494311	2.14776967	4.00872756	176	180	729
8532	NM_001014447,NM_001014448	CPZ	carboxypeptidase Z	2.334852902	3.364574325	3.247776	6.484072	11.325757	3.17773766	4.30717831	4.81187039	316	986	1308
126282	NM_001167942,NM_152362	TNFAIP8L1	TNF alpha induced protein 8 like	-1.13019832	3.364503251	1.900824	1.683283	6.065691	3.02359429	2.86987209	4.64397663	280	331	1159
83696	NM_001160372,NM_001321646	TRAPPC9	trafficking protein particle comple	1.009864324	3.36363567	2.447592	2.476311	7.754047	4.12761734	4.14097459	5.81861581	647	873	2677
10276	NM_001047160,NM_005863,NR	NET1	neuroepithelial cell transforming	-1.079119422	3.361273842	35.44721	32.694276	112.372571	7.09282367	6.98380281	8.83440944	5320	6587	21994
120224	NM_001331210,NM_001331211	TMEM45B	transmembrane protein 45B	1.078237251	3.360418275	7.756546	8.106704	23.952804	3.86048198	3.96195135	5.5378219	531	765	2195
400221	NR_039985	FLJ22447	uncharacterized LOC400221	-1.328298723	3.343915689	0.114742	0.085972	0.354944	0.20517559	0.15624221	0.60191771	6	6	25
653145	NM_001040084,NM_001040084	ANXA8	annexin A8	1.709236563	3.341668554	2.49453	4.246758	7.837635	2.58923814	3.25980797	4.15174023	197	450	810
79137	NM_001321109,NM_001321110	RETREG2	reticulophagy regulator family me	1.672685303	3.332458087	4.940395	8.288452	15.509468	4.53037804	5.24728583	6.2227218	868	1940	3558
3589	NM_000641,NM_001267718	IL11	interleukin 11	-1.005311486	3.331002075	2.57428	2.560115	8.142564	2.7991369	2.79259185	4.38268287	234	311	959
26959	NM_001244262,NM_012257	HBP1	HMG-box transcription factor 1	-1.062037854	3.323092351	8.325783	7.746181	25.1256	4.53037804	4.44740017	6.21871574	868	1092	3548
388	NM_004040	RHOB	ras homolog family member B	2.476249122	3.320800805	9.880405	24.514517	30.8577	4.5757712	5.84750424	6.26451583	897	2968	3664
10610	NM_006456	ST6GALNAC2	ST6 N-acetylgalactosaminide alp	-2.914605154	3.31890306	1.459263	0.502568	4.576509	2.00201503	1.02107213	3.45705395	118	54	482
2049	NM_004443	EPHB3	EPH receptor B3	1.706653244	3.317805504	2.890626	4.946763	9.027523	3.6887407	4.41295621	5.33885009	467	1065	1906
2528	NM_000150,NM_001040701	FUT6	fucosyltransferase 6	-2.970056527	3.309577926	0.310664	0.102803	1.023059	0.97665845	0.40498891	2.07380058	38	17	155
64220	NM_001142617,NM_001142618	STRA6	stimulated by retinoic acid 6	1.750902563	3.308475458	5.135942	8.844977	15.396891	3.85794988	4.62285328	5.51317412	530	1240	2157
255394	NM_001286262,NM_152772	TCP11L2	t-complex 11 like 2	1.062251077	3.308234463	1.855031	2.025161	5.897779	2.30685184	2.37683491	3.81430154	155	220	631
283887	NR_135196,NR_135197	LINC02175	long intergenic non-protein codin	1.269454991	3.307637576	0.133826	0.170258	0.410008	0.3273552	0.40498891	0.88680889	10	17	41
5950	NM_001323517,NM_001323518	RBP4	retinol binding protein 4	1.34350598	3.307637576	0.28077	0.37875	0.802028	0.3273552	0.42561204	0.88680889	10	18	41
102724895	NR_146458	LIVAR	liver cell viability associated lncR	-1.798059653	3.302867513	0.420158	0.233354	1.302974	0.7550755	0.46599441	1.71282633	27	20	110
8654	NM_001083,NM_033430,NM_03	PDE5A	phosphodiesterase 5A	2.438873408	3.302422947	0.343078	0.839988	1.066269	1.74129091	2.74825434	3.12850473	92	300	374

30846	NM_014601	EHD2	EH domain containing 2	1.113512055	3.299399907	17.936443	19.998329	55.629322	5.99113594	6.14394546	7.69749126	2458	3657	9975
7113	NM_001135099,NM_005656	TMPRSS2	transmembrane protease, serine	-1.496238719	3.298402495	2.933378	1.962559	9.133634	3.36057263	2.84711955	4.98128857	364	325	1477
117583	NM_001302769,NM_057177,NM	PARD3B	par-3 family cell polarity regulator	1.619398475	3.297819986	0.094988	0.15433	0.297449	0.81895953	1.16293478	1.81825156	30	65	122
9871	NM_001318066,NM_014822	SEC24D	SEC24 homolog D, COPII coat c	1.05338376	3.294994989	4.449455	4.694343	13.80183	4.22907737	4.30021519	5.89490974	697	981	2825
643008	NM_001162995,NR_028439	SMIM5	small integral membrane protein	-6.366530392	3.292537211	3.599725	0.48869	8.817464	3.09414281	1.12560759	4.6910014	296	62	1199
728113	NM_001098845,NM_001278923	ANXA8L1	annexin A8 like 1	1.672618276	3.29080011	2.610334	4.254689	7.897468	2.63136183	3.27693362	4.17838702	204	456	826
112476	NM_001256442,NM_001256443	PRRT2	proline rich transmembrane prote	1.868504373	3.29024086	0.290756	0.571927	0.947838	0.93882015	1.44132992	2.00847214	36	90	146
25804	NM_001252129,NM_012321	LSM4	LSM4 homolog, U6 small nuclear	1.002609305	3.289697138	19.856321	19.866601	61.312166	5.17694504	5.18060106	6.86695259	1381	1850	5588
81849	NM_001320273,NM_001320274	ST6GALNAC5	ST6 N-acetylgalactosaminide alp	-1.772294266	3.286994484	0.072645	0.041783	0.225504	0.49317359	0.29720487	1.23026757	16	12	65
9536	NM_004878	PTGES	prostaglandin E synthase	1.572644213	3.278485909	57.82703	91.034752	178.159317	6.66691103	7.31493823	8.37006769	3950	8300	15928
7089	NM_001144761,NM_001144762	TLE2	transducin like enhancer of split 2	-1.483277844	3.274839587	3.13266	2.103291	9.219697	3.16140171	2.66830768	4.75657497	312	281	1257
79956	NM_024896	ERMP1	endoplasmic reticulum metallope	1.200642668	3.2725766	9.514941	11.436753	29.269426	5.65793614	5.9169731	7.34844041	1943	3117	7821
1820	NM_005224	ARID3A	AT-rich interaction domain 3A	1.004347742	3.271542574	1.43652	1.448151	4.435686	2.30685184	2.31185141	3.79935756	155	208	624
155185	NM_001284355,NM_001321766	AMZ1	archaelysin family metallopeptida	1.645954684	3.271199496	0.542837	0.93261	2.138602	1.97422731	2.541776	3.40441396	115	253	463
51084	NM_015974	CRYL1	crystallin lambda 1	1.177183933	3.268932025	1.412113	1.680091	4.384665	1.62696745	1.79043244	2.96976228	82	129	330
23186	NM_015156	RCOR1	REST corepressor 1	1.320180067	3.268801154	10.83597	14.326046	33.297901	5.94833435	6.343407	7.64083454	2385	4207	9589
3399	NM_002167	ID3	inhibitor of DNA binding 3, HLH p	1.144210548	3.268636321	0.716545	0.814991	2.200739	0.89996265	0.99371033	1.9400446	34	52	137
64746	NM_022735	ACBD3	acyl-CoA binding domain contain	-1.02011147	3.263048905	10.280832	10.088549	31.521965	5.19711926	5.16918099	6.87588368	1401	1835	5623
58480	NM_021205,NR_037962	RHOU	ras homolog family member U	1.099097395	3.260946959	0.382372	0.420556	1.170854	1.39514558	1.48128072	2.66044767	64	94	257
728975	NR_145677	LOC728975	uncharacterized LOC728975	1.139008156	3.250972596	2.951456	3.372007	9.035634	2.63728034	2.79655578	4.16845206	205	312	820
3887	NM_002281	KRT81	keratin 81	-10.02378369	3.250118796	1.652116	0.164151	5.064554	2.02927762	0.38406669	3.4624849	121	16	484
26525	NM_012275,NM_173170	IL36RN	interleukin 36 receptor antagonist	2.070384873	3.247358357	0.500676	1.054893	1.545694	1.21691895	1.90501868	2.40804223	52	144	208
9294	NM_004230	S1PR2	sphingosine-1-phosphate recepto	1.412690926	3.243686872	0.910945	1.287807	2.781211	2.0648444	2.45916281	3.50257812	125	236	499
157567	NM_001270377,NM_001270378	ANKRD46	ankyrin repeat domain 46	1.950241196	3.239688977	1.815735	2.912366	4.187223	2.26923253	3.07960182	3.74245532	150	391	598
80255	NM_001330314,NM_001330315	SLC35F5	solute carrier family 35 member F	2.945185555	3.23849276	3.775939	9.421399	9.36173	4.91477587	6.44128305	6.57675114	1145	4506	4561
122481	NM_001350888,NM_001350890	AK7	adenylate kinase 7	-1.112541313	3.235495389	0.103884	0.097286	0.336672	0.46682716	0.42561204	1.16514558	15	18	60
5337	NM_001130081,NM_002662	PLD1	phospholipase D1	-1.205970474	3.235442427	1.325593	1.11004	4.116468	3.13654562	2.89966118	4.71281235	306	339	1218
441168	NM_001010919,NM_001276460	FAM26F	family with sequence similarity 26	-1.199655349	3.22449362	0.190588	0.159905	0.618645	0.29776659	0.25173066	0.80366934	9	10	36
493	NM_001001396,NM_001684	ATP2B4	ATPase plasma membrane Ca2+	1.638505037	3.222900346	5.311891	8.891429	16.421552	5.55929747	6.25973808	7.22645993	1812	3967	7183
338596	NM_001004470,NM_001345961	ST8SIA6	ST8 alpha-N-acetyl-neuraminide	-1.763306246	3.221077741	0.030462	0.017139	0.09154	0.26755841	0.15624221	0.73352601	8	6	32
57221	NM_020340	ARFGEF3	ARFGEF family member 3	-3.576712034	3.218898096	0.484527	0.135117	1.467244	3.00540462	1.5673195	4.56286962	276	103	1093
83903	NM_031965	GSG2	germ cell associated 2, haspin	1.798299828	3.218540861	0.965405	1.751816	2.944701	1.86749926	2.52753672	3.25281446	104	250	412
100132356	NR_034127	LOC100132356	uncharacterized LOC100132356	1.594696474	3.216701281	0.088082	0.158087	0.309217	0.23670415	0.36283659	0.65979727	7	15	28
254559	NR_015411,NR_133001,NR_13	MIR9-3HG	MIR9-3 host gene	2.331861258	3.216701281	0.038502	0.089848	0.117094	0.23670415	0.50527715	0.65979727	7	22	28
143098	NM_001318170,NM_173496,NR	MPP7	membrane palmitoylated protein	-1.139784828	3.212152794	1.641008	1.451799	5.083061	3.23740108	3.06980877	4.81187039	331	388	1308
7477	NM_058238	WNT7B	Wnt family member 7B	-1.013824938	3.211899878	10.833259	10.694539	32.696434	5.40132993	5.38199194	7.06112346	1620	2135	6400
284611	NM_001010883	FAM102B	family with sequence similarity 10	-1.144268715	3.207614224	1.720915	1.506774	5.195896	3.31698997	3.14324318	4.89555604	352	411	1389
168507	NM_138295	PKD1L1	polycystin 1 like 1, transient rece	1.633007534	3.202811781	0.01151	0.021559	0.041771	0.17294258	0.27464693	0.49997203	5	11	20
5291	NM_001256045,NM_006219	PIK3CB	phosphatidylinositol-4,5-bisphosp	3.897994828	3.198270907	1.397324	5.047896	4.008943	3.0724647	4.9020831	4.62714903	291	1516	1145
808	NM_001329921,NM_001329922	CALM3	calmodulin 3	-1.049159824	3.189956522	44.778913	42.848378	134.376818	6.69909733	6.63054343	8.3630976	4040	5145	15851
2180	NM_001286708,NM_001286710	ACSL1	acyl-CoA synthetase long-chain f	-1.485532098	3.189554979	7.502814	4.863118	22.988669	4.90008261	4.35231081	6.53997876	1133	1019	4445
2568	NM_001291985,NM_014211	GABRP	gamma-aminobutyric acid type A	-6.351339207	3.179156497	4.707209	0.739982	14.049387	3.95828615	1.71704117	5.56205565	571	120	2233
5621	NM_000311,NM_001080121,NM	PRNP	prion protein	2.594687545	3.177633473	87.968069	228.358923	262.616216	7.90640356	9.278274	9.5702413	9380	32519	36660
3991	NM_005357	LIPE	lipase E, hormone sensitive type	-1.397936776	3.174061383	1.232453	0.883494	3.685002	2.48150547	2.09724475	3.95964434	180	172	703
412	NM_000351,NM_001320750,NM	STS	steroid sulfatase	1.107766476	3.163318054	2.295041	2.574111	6.85267	3.97707578	4.11581404	5.57464861	579	857	2253
23038	NM_001276252,NM_015023	WDTC1	WD and tetratricopeptide repeats	1.238322252	3.161922137	2.698935	3.349362	8.030031	3.7744826	4.06249189	5.36155532	498	824	1937
100130987	NR_024469	LOC100130987	uncharacterized LOC100130987	1.003573864	3.154322306	1.330767	1.35145	4.000796	1.08456011	1.08728891	2.18310266	44	59	171
80328	NM_025217	ULBP2	UL16 binding protein 2	1.251467152	3.149784776	3.272918	4.12068	9.725388	2.46162969	2.73178769	3.92662428	177	296	686
10090	NM_005715	UST	uronyl 2-sulfotransferase	6.15682024	3.146830221	0.05952	0.369286	0.174692	0.3273552	1.36863803	0.85412573	10	83	39
51364	NM_001308379,NM_015896	ZMYND10	zinc finger MYND-type containing	1.121353014	3.146830221	0.141892	0.154513	0.428473	0.3273552	0.36283659	0.85412573	10	15	39
81793	NM_001017388,NM_001195106	TLR10	toll like receptor 10	-1.334579138	3.139556157	0.203128	0.15205	0.599762	0.83964067	0.669904	1.80120704	31	31	120
154386	NR_131168	LINC01600	long intergenic non-protein codin	3.247686972	3.132656612	0.02139	0.072446	0.065616	0.07168335	0.2284445	0.22116494	2	9	8
26796	NR_002741	SNORD53	small nucleolar RNA, C/D box 53	1.471633007	3.132656612	0.365288	0.98033	1.996797	0.07168335	0.10601836	0.22116494	2	4	8
100422832	NR_036159	MIR3191	microRNA 3191	1.116422214	3.132656612	0.545311	0.523493	1.856648	0.07168335	0.08023518	0.22116494	2	3	8
102466659	NR_106770	MIR6515	microRNA 6515	1.116422214	3.132656612	0.827054	0.691181	2.652603	0.07168335	0.08023518	0.22116494	2	3	8
1545	NM_000104	CYP1B1	cytochrome P450 family 1 subfar	1.325185254	3.127157702	1.527751	2.025909	4.48949	3.1155	3.48037129	4.64278115	301	533	1158
8916	NM_001271602,NM_001318505	HERC3	HECT and RLD domain containir	-1.153506951	3.120001193	1.620822	1.50563	4.812071	3.09843961	2.91797176	4.62109129	297	344	1140
3077	NM_000410,NM_001300749,NM	HFE	hemochromatosis	1.826374558	3.114381131	1.939329	3.465408	5.702192	2.35073722	3.08609378	3.78425716	161	393	617
7020	NM_001032280,NM_001042425	TFAP2A	transcription factor AP-2 alpha	-1.889250509	3.113942408	10.105604	5.38155	30.017178	5.16162707	4.27912189	6.77282387	1366	966	5232
4854	NM_000435	NOTCH3	notch 3	2.147876163	3.112987338	1.745622	3.754715	5.109853	3.88058045	4.93031934	5.45101358	539	1547	2064
374	NM_001657,NM_001657_dup1	AREG	amphiregulin	1.156790135	3.110059195	114.595093	132.714172	334.944916	7.16373514	7.3725016	8.79385401	5590	8640	21383
1384	NM_000755,NM_001257363,NM	CRAT	carnitine O-acetyltransferase	1.270089322	3.109326258	8.140445	10.297186	24.108918	4.54619271	4.87796738	6.14040759	878	1490	3358
4616	NM_015675	GADD45B	growth arrest and DNA damage i	1.027236313	3.108481174	33.494152	34.449375	97.863976	5.51899523	5.55693117	7.1337666	1761	2417	6733
6374	NM_002994	CXCL5	C-X-C motif chemokine ligand 5	-5.011331615	3.103325241	19.366932	3.862476	56.481762	5.58248919	3.37297385	7.19581156	1842	491	7031
6745	NM_001292008,NM_003144,NR	SSR1	signal sequence receptor subunit	2.556270067	3.101233684	3.367617	8.609312	9.855219	5.03845181	6.36559004	6.64132658	1251	4273	4772
6398	NM_003004	SECTM1	secreted and transmembrane 1	-2.217189356	3.100107143	5.593388	2.517623	16.298429	3.74737673	2.72348335	5.30524173	488	294	1861
388403	NM_001005404	YPEL2	yippee like 2	-1.066067586	3.093635446	1.517252	1.425223	4.416821	3.12816418	3.04669644	4.64158467	304	381	1157
79875	NM_001286429,NM_024817	THSD4	thrombospondin type 1 domain c	-1.285326154	3.092578727	1.95426	1.535803	5.686445	4.20337642	3.86335533	5.77835625	684	711	2602
9851	NM_001351225,NM_014804,NR	KIAA0753	KIAA0753	4.003617419	3.088709783	1.468355	5.818423	4.376143	2.9541672	4.80900168	4.44984345	265	1418	1007
6792	NM_001037343,NM_001323289	CDKL5	cyclin dependent kinase like 5	3.243576786	3.086849266	0.067236	0.221915	0.198402	0.73313634	1.65726059	1.60891398	26	113	99
668	NM_023067	FOXL2	forkhead box L2	3.47292034	3.086849266	0.233094	0.812163	0.677838	0.73313634	1.72538257	1.60891398	26	121	99
100507291	NR_121608,NR_121609	LOC100507291	uncharacterized LOC100507291	3.446215928	3.083144975	0.396663	1.487778	1.262417	0.35634914	0.97983233	0.90287695	11	51	42
4148	NM_002381	MATN3	matrilin 3	1.495102784	3.081813634	0.302945	0.449311	0.881334	0.81895953	1.10017522	1.74883089	30	60	114
9982	NM_005130	FGFBP1	fibroblast growth factor binding pr	-2.560662776	3.078495966	34.558498	13.502392	99.972633	5.54520135	4.2359869	7.14647525	1794	936	6793
163175	NM_139284	LGI4	leucine rich repeat LGI family me	1.940895074	3.077945418	0.173587	0.349374	0.525289	0.59399636	0.99371033	1.36396013	20	52	76
204801	NM_001297743,NM_145007	NLRP11	NLR family pyrin domain containi	3.571567149	3.077869828	0.038716	0.138509	0.111905	0.20517559	0.63490936	0.56199967	6	29	23
390561	NR_072991	HERC2P10	hect domain and RLD 2 pseudog	2.100928307	3.077869828	0.216883	0.502528	0.697005	0.20517559	0.40498891	0.56199967	6	17	23
26579	NM_001293291,NM_001293294	MYEOV	myeloma overexpressed	1.56581016	3.07702413	30.623435	48.223416	87.512097	6.17630487	6.81600722	7.7843504	2800	5858	10597
3320	NM_001017963,NM_005348	HSP90AA1	heat shock protein 90 alpha famil	1.918233264	3.073957902	239.185898	460.465626	696.732981	9.63677076	10.57568353	11.25564844	31215	80004	118017
4327	NM_001272101,NM_002429,NR	MMP19	matrix metallopeptidase 19	3.431719619	3.070136261	0.284427	1.007707	0.826147	0.95786335	2.08433212	1.96321628	37	170	140
27010	NM_001042482,NM_001350879	TPK1	thiamin pyrophosphokinase 1	4.00934157	3.066426543	0.092935	0.373857	0.269613	0.3273552	1.02107213	0.83750224	10	54	38
56413	NM_001164692,NM_019839	LTB4R2	leukotriene B4 receptor 2	2.251638298	3.065413147	1.655529	3.746852	4.761464	1.79522562	2.71513092	3.10091148	97	292	366
147700	NM_177417	KLC3	kinesin light chain 3	-1.869839689	3.063341752	3.464083	1.853025	9.992476	2.82010209	2.08433212	4.29103243	238	170	897
25932	NM_013943	CLIC4	chloride intracellular channel 4	-1.603884768	3.06253152	5.899335	3.681787	16.978405	4.72634668	4.07723084	6.30399916	1000	833	3767
26234	NM_001193534,NM_001193535	FBXL5	F-box and leucine rich repeat pro	1.854550882	3.061062971	8.889145	16.564186	25.681778	4.98607799	5.85607627	6.56921958	1205	2986	4537
54894	NM_001305544,NM_001305545	RNF43	ring finger protein 43	2.188988148	3.060995964	0.372864	0.823866	1.30558	1.62696745	2.47903109	2.88736461	82	240	309
26575	NM_012419	RGS17	regulator of G protein signaling 1	1.427996637	3.055837368	0.97478	1.392551	2.815807	1.26358189	1.58576189	2.40240201	55	105	207
7105	NM_001278740,NM_001278741	TSPAN6	tetraspanin 6	1.334799579	3.053631282	9.415059	12.191857	26.183197	5.17694504	5.58355786	6.76047615	1381	2463	5187
256302	NM_152914	NATD1	N-acetyltransferase domain conta	-1.210547292	3.053303996	0.471004	0.391558	1.362302	1.6852613	1.50084877	2.95827541	87	96	327
1028	NM_000076,NM_001122630,NM	CDKN1C	cyclin dependent kinase inhibitor	-2.237367995	3.050490388	1.635899	0.711645	4.696911	1.96484452	1.19932051	3.30211189	114	68	428
5660	NM_001042465,NM_001042466	PSAP	prosaposin	1.171610995	3.047186108	88.229467	103.491447	252.742286	7.96125258	8.18890035	9.56484691	9745	15255	36523
6309	NM_001024956,NM_006918	SC5D	sterol-C5-desaturase	-1.15017435	3.04695587	2.719275	2.374833	7.81431	4.29233333	4.10146599	5.84951557	730	848	2736
6389	NM_001294332,NM_001330758	SDHA	succinate dehydrogenase comple	1.344716217	3.044769097	26.302017	35.356776	75.316025	6.11718378	6.53916241	7.70953136	2686	4826	10059
3920	NM_001122606,NM_002294,NM	LAMP2	lysosomal associated membrane	1.699709165	3.043110726	15.876941	26.562108	46.960864	6.24235022	6.9997934	7.83508261	2933	6661	10978
59084	NM_001290072,NM_001290073	ENPP5	ectonucleotide pyrophosphatase/	1.714765534	3.040156881	2.397995	4.11917	6.900538	3.30959645	4.02581645	4.81293371	350	802	1309
57708	NM_001077700,NM_001077701	MIER1	MIER1 transcriptional regulator	1.057561489	3.031524953	4.230411	4.559219	10.122175	4.21529532	4.29181484	5.76248297	690	975	2573
100130449	NR_024014	PP14571	uncharacterized LOC100130449	-3.436200863	3.026108954	2.427646	0.707745	6.93428	2.53320657	1.25799553	3.95387191	188	73	700
693228	NR_030373	MIR643	microRNA 643	1.448836667	3.025161034	0.159822	0.322083	0.835827	0.03628685	0.05398282	0.1148164	1	2	4
102466191	NR_106794	MIR6736	microRNA 6736	2.124920087	3.025161034	0.259023	0.687488	1.190776	0.03628685	0.08023518	0.1148164	1	3	4

4330	NM_002430	MN1	MN1 proto-oncogene, transcriptic	5.367723294	3.020624144	0.02571	0.150026	0.078496	0.26755841	1.07428646	0.69713258	8	58	30
102724593	NR_134489	LOC102724593	uncharacterized LOC102724593	1.054347812	3.020167785	0.856826	0.881607	2.421879	0.64188297	0.669904	1.43197761	22	31	82
3200	NM_030661,NM_153631	HOXA3	homeobox A3	-1.445292659	3.017001445	1.564876	1.055239	4.3228	2.59533164	2.16626946	4.01982118	198	183	735
4488	NM_002449	MSX2	msh homeobox 2	1.665903581	3.013453924	0.407655	0.687351	1.175501	0.91952222	1.31437719	1.88448459	35	78	130
643314	NM_015038	KIAA0754	KIAA0754	-1.1290886	3.010882157	2.022588	1.79366	5.7255	3.88307318	3.72044785	5.4066256	540	639	2000
8402	NM_001165417,NM_001165418	SLC25A11	solute carrier family 25 member 1	2.887326217	3.008021201	3.472471	9.861111	9.607163	2.7991369	4.18699961	4.24292715	234	903	866
1509	NM_001909	CTSD	cathepsin D	2.422851834	3.007147278	247.393417	600.08075	699.128418	9.00108002	10.27613624	10.58760037	20077	64994	74257
337875	NR_027337	HIST2H2BA	histone cluster 2 H2B family mem	1.758634431	3.006454952	1.691603	3.033222	4.866603	0.89996265	1.33632702	1.85174813	34	80	126
55796	NM_001170701,NM_001170702	MBNL3	muscleblind like splicing regulato	1.288187689	3.006218032	0.694551	0.894731	1.962189	3.13236099	3.46052158	4.60644807	305	525	1128
130733	NM_001167959,NM_152390	TMEM178A	transmembrane protein 178A	-1.369704185	3.005477893	1.234925	0.901352	3.503609	1.602974	1.31437719	2.83389297	80	78	296
6272	NM_001205228,NM_002959	SORT1	sortilin 1	-2.155838355	2.999763393	4.581875	2.120439	12.897197	5.01250255	3.95487459	6.56733053	1228	761	4531
7100	NM_003268	TLR5	toll like receptor 5	1.249760429	2.998984633	0.573164	0.720221	1.620834	1.76310734	1.99745948	3.03318152	94	157	347
27294	NM_014475	DHDH	dihydrodiol dehydrogenase	-1.971048762	2.993732559	3.751154	1.897487	10.547841	2.30685184	1.58576189	3.68088855	155	105	571
25987	NM_001258210,NM_001318477	TSKU	tsukushi, small leucine rich prote	2.102010638	2.993539608	9.879325	20.865146	27.654819	4.77413325	5.81806988	6.32054191	1035	2907	3811
85320	NM_032583,NM_033151,NM_14	ABCC11	ATP binding cassette subfamily C	6.22198852	2.993079417	0.021417	0.141101	0.060991	0.13997292	0.72085408	0.39027104	4	34	15
6698	NM_001199828,NM_005987	SPRR1A	small proline rich protein 1A	-1.019598581	2.992175933	1.11297	1.131563	3.259203	0.79797761	0.7861039	1.6852207	29	38	107
158046	NM_001161625,NM_145283	NXNL2	nucleoredoxin-like 2	1.575315469	2.990125073	2.07123	3.359868	6.030529	1.42282133	1.86782539	2.59272293	66	139	243
7476	NM_004625	WNT7A	Wnt family member 7A	-1.439834579	2.986700133	6.131156	4.264112	17.223156	3.49049124	3.01982084	4.98128857	402	373	1477
1259	NM_000087,NM_001142564	CNGA1	cyclic nucleotide gated channel a	-1.378329468	2.98483189	1.511818	1.065831	4.15467	2.3579234	1.99745948	3.73574288	162	157	595
1356	NM_000096,NR_046371	CP	ceruloplasmin	19.8477822	2.984221902	0.094179	1.874654	0.279875	0.49317359	3.19220918	1.15176086	16	427	59
8801	NM_001177599,NM_003848	SUCLG2	succinate-CoA ligase GDP-formi	1.467846266	2.980480269	7.754667	11.398798	21.720848	4.23103553	4.76010752	5.75475705	698	1369	2559
342908	NM_001033719	ZNF404	zinc finger protein 404	-1.029652827	2.979865428	2.383654	2.313101	6.676507	2.4003046	2.36620557	3.782087	168	218	616
10983	NM_001348132,NM_001348133	CCNI	cyclin I	1.61419395	2.973762923	14.702809	23.830439	41.195013	4.79678491	5.46776786	6.33430752	1052	2269	3848
100506658	NM_001205254,NM_001205255	OCLN	occludin	-2.670708122	2.973539391	8.586754	3.213561	23.731471	5.73309128	4.36036716	7.28720953	2049	1025	7494
80790	NM_030629,NM_198390	CMIP	c-Maf inducing protein	1.713390642	2.972697209	5.327417	9.381145	14.893016	4.5618359	5.31310082	6.09261172	888	2033	3247
147808	NM_203374	ZNF784	zinc finger protein 784	-1.196318003	2.972568334	1.569837	1.311954	4.389078	2.02024721	1.82964782	3.33505242	120	134	439
80232	NM_001115113,NM_025160	WDR26	WD repeat domain 26	2.707750591	2.97079549	14.428572	39.166536	40.302679	6.60294934	8.03067876	8.16394724	3777	13665	13801
106633803	NR_132755	SNORD134	small nucleolar RNA, C/D box 13	-1.645078408	2.970666021	2.926525	1.800291	8.440971	0.61813834	0.40498891	1.37552141	21	17	77
1316	NM_001160124,NM_001160125	KLF6	Kruppel like factor 6	4.525942714	2.966877218	4.382193	19.848467	12.188301	4.37080362	6.49380183	5.89289991	773	4675	2821
10239	NM_005829,NR_023361,NR_03	AP3S2	adaptor related protein complex 3	1.760371562	2.962151339	4.114494	7.25311	11.473383	4.63612739	5.42679658	6.16393291	937	2204	3414
288	NM_001149,NM_001204403,NM	ANK3	ankyrin 3	1.306386309	2.956814504	0.974343	1.012878	2.73364	3.05488459	3.39927923	4.49955999	287	501	1044
100129858	NR_033939	SCOC-AS1	SCOC antisense RNA 1	2.395034387	2.956811111	0.103763	0.273649	0.324083	0.29776659	0.63490936	0.75138414	9	29	33
56138	NM_018902,NM_031861	PCDHA11	protocadherin alpha 11	1.444705715	2.950636756	0.353395	0.51875	0.931633	1.6852613	2.07130288	2.91535666	87	168	316
387755	NM_001031853,NM_001042536	INSC	inscuteable homolog (Drosophila)	-1.723018298	2.946628818	0.185366	0.106361	0.5335	0.64188297	0.40498891	1.40965954	22	17	80
593	NM_000709,NM_001164783	BCKDHA	branched chain keto acid dehydr	1.147392753	2.943465375	8.23218	9.460136	22.79795	3.92963473	4.11581404	5.42343154	559	857	2024
883	NM_001122671,NM_001122672	KYAT1	kynurenine aminotransferase 1	-1.601794483	2.942052231	11.750179	7.412437	32.734126	4.56804599	3.92440495	6.08426934	892	744	3228
793	NM_004929	CALB1	calbindin 1	1.896385267	2.936808979	0.110004	0.21467	0.310721	0.35634914	0.61708849	0.87055986	11	28	40
56300	NM_001278568,NM_019618	IL36G	interleukin 36, gamma	2.435456801	2.936808979	0.240471	0.602161	0.638507	0.35634914	0.75384785	0.87055986	11	36	40
8406	NM_001170750,NM_001170751	SRPX	sushi repeat containing protein, X	-1.002086032	2.933932372	0.53397	0.532152	1.476998	0.99521185	0.99371033	1.97085819	39	52	141
256987	NM_001174071,NM_001174072	SERINC5	serine incorporator 5	1.939085449	2.932747559	6.854788	13.253669	18.527323	5.43144524	6.37058443	6.96156042	1655	4288	5970
79917	NM_001099681,NM_001099682	MAGIX	MAGI family member, X-linked	-1.089657196	2.930492643	0.301319	0.282582	0.857887	0.83964067	0.7861039	1.73094093	31	38	112
57146	NM_001301769,NM_001301771	TMEM159	transmembrane protein 159	1.232754105	2.920647951	6.174747	7.704329	17.095955	3.76910202	4.05092325	5.24427765	496	817	1782
1490	NM_001901	CTGF	connective tissue growth factor	2.681531601	2.918195447	1.71333	4.617554	4.715393	2.29940604	3.52644784	3.63833419	154	552	553
286343	NM_203403	LURAP1L	leucine rich adaptor protein 1 like	-1.437245396	2.917319829	2.341458	1.626626	6.421825	2.83562844	2.3978615	4.24134834	241	224	865
2149	NM_001311313,NM_001992	F2R	coagulation factor II thrombin rec	7.280688465	2.915826362	1.129731	8.238808	3.095274	3.37926962	4.98257876	3.72899907	165	1606	592
148362	NM_001288579,NM_001288580	BROX	BRO1 domain and CAAX motif c	2.353571827	2.915478412	12.81186	22.457263	26.760455	5.11254966	6.32258377	6.62870105	1319	4148	4730
145483	NM_152445	FAM161B	family with sequence similarity 16	1.352816309	2.915131911	0.527051	0.715513	1.450981	1.51570785	1.81408935	2.68388473	73	132	262
6509	NM_001193493,NM_001348406	SLC1A4	solute carrier family 1 member 4	-1.113266596	2.914137669	0.4545	0.408104	1.242725	1.602974	1.50084877	2.79567786	80	96	287
440461	NR_027283	LOC440461	Rho GTPase activating protein 2	-1.320831011	2.909816254	0.031846	0.023861	0.122982	0.10623215	0.08023518	0.29607837	3	3	11
5629	NM_001270616,NM_002763	PROX1	prospero homeobox 1	3.165952837	2.909816254	0.009233	0.027696	0.025704	0.10623215	0.31941552	0.29607837	3	13	11
1366	NM_001185022,NM_001185023	CLDN7	claudin 7	1.040396431	2.906533288	61.647561	64.207472	169.524403	6.91118358	6.96785271	8.44262141	4686	6514	16752
56108	NM_018920,NM_032087	PCDHGA7	protocadherin gamma subfamily	-1.658385536	2.905619188	0.090775	0.054344	0.146166	0.3273552	0.20477631	0.80366934	10	8	36
534	NM_001204078,NM_130463,NM	ATP6V1G2	ATPase H+ transporting V1 subu	2.750474764	2.905619188	0.162879	0.452318	0.444131	0.3273552	0.77006602	0.80366934	10	37	36
7922	NM_001077516,NM_001288777	SLC39A7	solute carrier family 39 member 7	1.446304422	2.904930382	26.556659	38.124092	71.8773	5.94773912	6.47289933	7.47087749	2384	4607	8518
51454	NM_001252668,NM_001252669	GULP1	GULP, engulfment adaptor PTB d	1.356107746	2.902498816	4.723226	6.481545	13.00168	4.09788139	4.51511838	5.5790303	633	1147	2260
8324	NM_003507	FZD7	frizzled class receptor 7	-1.107256403	2.897334695	7.718212	6.979812	21.030355	4.90499701	4.76314913	6.40793246	1137	1372	4052
51533	NM_001278221,NM_001321126	PHF7	PHD finger protein 7	1.244070298	2.896992697	0.904252	1.158949	2.591758	1.63881618	1.86027027	2.83389297	83	138	296
5819	NM_001042724,NM_002856	NECTIN2	nectin cell adhesion molecule 2	-1.087367322	2.893940563	72.256602	68.371764	202.357841	7.49214496	7.37200361	9.01994138	7029	8637	25019
1318	NM_001860	SLC31A2	solute carrier family 31 member 2	1.913203939	2.893938921	4.151077	7.95764	11.307837	3.03260384	3.88212953	4.44573627	282	721	1004
8139	NM_022041	GAN	gigaxonin	1.312229879	2.891275079	0.789489	1.04196	2.156862	2.17473011	2.48886356	3.48133381	138	242	491
54629	NM_001040450,NM_001040453	MINDY2	MINDY lysine 48 deubiquitinase	-1.252330311	2.886053308	4.204579	3.363042	11.411857	5.28833296	4.97297796	6.79317142	1495	1595	5307
158800	NM_139282	RHOXF1	Rhox homeobox family member	1.486457258	2.884723647	0.145336	0.232479	0.454226	0.17294258	0.25173066	0.45708734	5	10	18
60680	NM_001172673,NM_021938,NR	CELF5	CUGBP Elav-like family member	1.926108085	2.884723647	0.057466	0.050777	0.069723	0.17294258	0.31941552	0.45708734	5	13	18
60412	NM_001037126,NM_021807	EXOC4	exocyst complex component 4	-1.123795344	2.884473115	6.548218	5.751337	17.397569	4.74153657	4.5798	6.23427685	1011	1202	3587
7980	NM_001271003,NM_001271004	TFPI2	tissue factor pathway inhibitor 2	-1.516098425	2.884177533	11.378731	1.501131	31.024325	4.80863452	4.23452662	6.30286431	1061	935	3764
661	NM_001722	POLR3D	RNA polymerase III subunit D	1.338164022	2.882697787	2.29346	3.083928	6.239812	2.41415945	2.76453517	3.75357377	170	304	603
2861	NM_005302	GPR37	G protein-coupled receptor 37	-1.00207938	2.879143631	0.123367	0.121125	0.33501	0.54446555	0.54351856	1.21747621	18	24	64
24139	NM_001193268,NM_001193269	EML2	echinoderm microtubule associat	-1.297443105	2.877275779	23.153096	16.941401	60.889758	5.58555344	5.21876673	7.09057724	1846	1901	6533
9829	NM_001256864,NM_001256865	DNAJC6	DnaJ heat shock protein family (H	1.879927595	2.875797828	0.323691	0.609751	0.877037	1.5285023	2.18453503	2.68388473	74	186	262
1595	NM_000786,NM_001146152	CYP51A1	cytochrome P450 family 51 subfa	-1.460548299	2.87548597	14.0636	9.834417	38.301522	5.48985314	4.95801353	6.99262665	1725	1578	6101
59285	NM_031897,NM_145814,NM_14	CACNG6	calcium voltage-gated channel a	-2.690133954	2.873845685	17.525625	6.441608	47.76579	4.95205502	3.60087125	6.44441182	1176	584	4157
5602	NM_001318067,NM_001318068	MAPK10	mitogen-activated protein kinase	4.122118592	2.873743648	0.025553	0.107455	0.067921	0.23670415	0.80196545	0.60191771	7	39	25
8816	NM_001284206,NM_001284207	DCAF5	DDB1 and CUL4 associated facto	3.980784949	2.87355515	6.444226	24.867962	17.083635	5.20311692	7.16662401	6.70026472	1407	7484	4973
81607	NM_030916	NECTIN4	nectin cell adhesion molecule 4	-1.366966079	2.87039534	6.932662	5.081263	18.721048	4.62425646	4.19452969	6.10698744	929	908	3280
3949	NM_000527,NM_001195798,NM	LDLR	low density lipoprotein receptor	-1.070554682	2.869461092	13.413535	12.610755	36.249904	6.1293084	6.03239932	7.63663685	2709	3381	9561
10928	NM_006788	RALBP1	ralA binding protein 1	1.131411986	2.867594572	14.872796	16.846807	40.088772	6.00149745	6.17701106	7.50663987	2476	3743	8733
5654	NM_002775	HTRA1	HtrA serine peptidase 1	1.16230151	2.867583607	0.110818	0.129124	0.294895	0.29776659	0.34128894	0.73552601	9	14	32
10493	NM_006373	VAT1	vesicle amine transport 1	1.187644439	2.867516055	40.513638	48.178699	109.195015	6.77889944	7.02493086	8.29014391	4272	6779	15067
92689	NM_001330764,NM_001350631	FAM114A1	family with sequence similarity 11	-1.051963021	2.865075145	10.587403	10.49276	29.176324	5.38647251	5.3151747	6.8824826	1603	2036	5649
149837	NR_015406	LINC00654	long intergenic non-protein codin	2.193008184	2.864827274	0.314138	0.695278	0.855277	1.5285023	2.36086138	2.67922768	74	217	261
2581	NM_000153,NM_001201401,NM	GALC	galactosylceramidase	4.117156163	2.864744542	0.354547	1.473084	0.962098	1.23264156	2.71513092	2.28470378	53	292	187
9620	NM_014246	CELSR1	cadherin EGF LAG seven-pass G	-1.017230009	2.861144735	3.047672	2.999453	8.195503	5.12102205	5.09708829	6.61047072	1327	1743	4670
4189	NM_012328	DNAJB9	DnaJ heat shock protein family (H	-1.066904422	2.85837032	4.448186	4.177592	11.962564	3.58538547	3.4999516	5.02047721	432	541	1519
831	NM_001042440,NM_001042441	CAST	calpastatin	-1.147685745	2.855950391	68.026573	59.508893	184.401059	8.22332184	8.02530499	9.73416125	11694	13614	41077
3988	NM_000235,NM_001127605,NM	LIPA	lipase A, lysosomal acid type	-1.102041223	2.852022613	21.650185	19.681718	57.9126	5.88071734	5.74302869	7.37676047	2274	2757	7977
7078	NM_000362	TIMP3	TIMP metallopeptidase inhibitor 3	4.784020031	2.848176183	38.406727	183.944031	102.795319	7.68751079	9.94020313	9.19301373	8054	51482	28214
151473	NM_152527	SLC16A14	solute carrier family 16 member 1	-1.530008136	2.846733645	1.120075	0.734654	3.007118	2.53954085	2.05153568	3.87868233	189	165	662
100506696	NR_046325,NR_046326	PCAT6	prostate cancer associated trans	2.142201926	2.84170748	1.755047	3.900321	4.872154	1.21691895	1.94127715	2.2537152	52	149	182
115123	NM_178450	MARCH3	membrane associated ring-CH-ty	1.605892089	2.835389803	0.124178	0.199672	0.331663	0.59399636	0.86372326	1.29257653	20	43	70
79929	NM_024871	MAP6D1	MAP6 domain containing 1	1.503955669	2.835282182	1.193269	1.798329	3.189321	1.80577475	2.24959721	3.01481644	98	197	342
26261	NM_001163499,NM_012172,NM	FBXO24	F-box protein 24	-2.503311987	2.832657177	0.534924	0.217323	1.445908	1.13562816	0.56226574	2.1362985	47	25	164
11221	NM_007207,NR_111939,NR_11	DUSP10	dual specificity phosphatase 10	1.21539141	2.829126535	2.833366	3.224478	6.906686	2.92058788	3.16793391	4.29255782	258	419	898
3576	NM_000584	CXCL8	C-X-C motif chemokine ligand 8	3.69683713	2.825666419	3.894149	14.420317	10.342756	2.90104285	4.63950051	4.26950586	254	1255	883
6253	NM_005619,NM_206900,NM_20	RTN2	reticulon 2	1.602438583	2.82166315	2.463557	2.5051	4.132111	2.0823043	2.62883416	3.34096163	127	272	441
79974	NM_001105533,NM_024913	CPED1	cadherin like and PC-esterase do	-1.000876884	2.821501411	2.52167	2.120576	6.088266	3.52282116	3.5216664	4.93613424	412	550	1430
5268	NM_002639	SERPINB5	serpin family B member 5	-1.138148043	2.820335083	19.358519	17.032644	51.321518	5.66229636	5.47952756	7.13971124	1949	2288	6761
56143	NM_018908,NM_031501	PCDHA5	protocadherin alpha 5	1.305671359	2.820170547	0.085073	0.111884	0.228263	0.26755841	0.3412894	0.65979727	8	14	28
9054	NM_001198989,NM_021100,NR	NFS1	NFS1, cysteine desulfurase	2.331586609	2.816794321	8.269241	19.070015	21.92858	4.33483599	5.51484389	5.7821617	753	2346	2609
8000	NM_005672,NR_033343	PSCA	prostate stem cell antigen	-1.353234482	2.81678869	499.657355	370.11119	1326.068123	8.96711948	8.53172278	10.45931562	19609	19361	67935

8974	NM_001017973,NM_001017974	P4HA2	prolyl 4-hydroxylase subunit alph	2.247649712	2.814496626	13.788575	33.002585	37.712624	5.00222007	6.14550032	6.46586474	1219	3661	4220
84808	NM_001291366,NM_001291367	PERM1	PPARGC1 and ESRR induced re	3.694120386	2.811823966	0.043508	0.169312	0.117836	0.20517559	0.65251278	0.52094563	6	30	21
100642175	NR_131221	SPRY4-IT1	SPRY4 intronic transcript 1	1.365608886	2.811823966	0.195865	0.298578	0.588253	0.20517559	0.27464693	0.52094563	6	11	21
9413	NM_001127608,NM_001347995	FAM189A2	family with sequence similarity 18	-1.586572606	2.811823966	0.063138	0.03159	0.167794	0.20517559	0.13134883	0.52094563	6	5	21
54842	NM_017694	MFSD6	major facilitator superfamily dom	1.173435885	2.808174185	5.701357	6.699865	15.052184	4.78883075	5.01185634	6.24455845	1046	1640	3613
81706	NM_030949	PPP1R14C	protein phosphatase 1 regulatory	-1.640409378	2.807791714	0.697404	0.420892	1.83985	1.32354034	0.93737891	2.38534784	59	48	204
6795	NM_001015878,NM_001015879	AURKC	aurora kinase C	-1.421513662	2.804050089	5.19902	3.657168	13.72525	2.87623322	2.4491251	4.23183903	249	234	859
8269	NM_003492	TMEM187	transmembrane protein 187	1.06353918	2.802126467	4.167202	4.434513	10.989171	2.95890107	3.03667667	4.32123795	266	378	917
11031	NM_006868	RAB31	RAB31, member RAS oncogene	1.975140655	2.800454517	2.56049	5.064062	6.741062	3.45407101	4.36970972	4.85276978	391	1032	1347
1362	NM_001199775,NM_001304	CPD	carboxypeptidase D	1.353067581	2.800029291	12.120038	16.418488	31.89363	6.75119512	7.18393971	8.22802646	4190	7575	14430
196996	NM_001012642	GRAMD2A	GRAM domain containing 2A	-1.309105261	2.797294291	1.161487	0.889096	3.071414	2.24618091	1.94842076	3.52091369	147	150	506
57501	NM_001348520,NM_001348521	KIAA1257	KIAA1257	8.226550328	2.795358361	0.025758	0.448377	0.087216	0.13997292	0.89363826	0.36729312	4	45	14
56098	NM_018928,NM_032406	PCDHGC4	protocadherin gamma subfamily	14.6047121	2.795358361	0.040002	0.364255	0.103718	0.13997292	1.33632702	0.36729312	4	80	14
9283	NM_004767	GPR37L1	G protein-coupled receptor 37 lik	-1.74594355	2.795358361	0.042566	0.023756	0.105672	0.13997292	0.08023518	0.36729312	4	3	14
100862728	NR_046420	UPK1A-AS1	UPK1A antisense RNA 1	2.941787718	2.795358361	0.131629	0.39401	0.351746	0.13997292	0.38406669	0.36729312	4	16	14
345651	NM_001017992	ACTBL2	actin, beta like 2	-1.74594355	2.795358361	0.037361	0.014031	0.100014	0.13997292	0.08023518	0.36729312	4	3	14
102466658	NR_106765	MIR6510	microRNA 6510	-1.74594355	2.795358361	1.800174	0.898132	5.128184	0.13997292	0.08023518	0.36729312	4	3	14
23604	NM_014326	DAPK2	death associated protein kinase 2	4.874097474	2.794918946	0.355121	1.749633	0.942075	0.93882015	2.45415268	1.83509706	36	235	124
147923	NM_001329515,NM_001329516	ZNF420	zinc finger protein 420	1.059509798	2.793174629	0.650749	0.873518	1.76351	1.70793493	1.76638114	2.87519973	89	126	306
3664	NM_001206696,NM_006147	IRF6	interferon regulatory factor 6	1.284371793	2.789709496	6.808152	8.831006	17.877707	4.94848917	5.29919828	6.39840103	1173	2013	4025
132864	NM_001177381,NM_001177382	CPEB2	cytoplasmic polyadenylation elen	2.106454389	2.789475301	0.53309	1.129486	1.408298	2.19894236	3.09899072	3.4624849	141	397	484
114783	NM_001080434	LMTK3	lemur tyrosine kinase 3	-4.121635791	2.784400845	2.805122	0.679311	7.351189	3.86805176	2.10365798	5.28085698	534	173	1829
79618	NM_001135726,NM_001324382	HMBOX1	homeobox containing 1	1.687879209	2.782287782	0.821801	1.417024	2.225364	2.0648444	2.67262769	3.30211189	125	282	428
10916	NM_014599,NM_177433,NM_20	MAGED2	MAGE family member D2	-1.101528558	2.781608961	5.819319	5.373644	15.380414	3.72253824	3.59405489	5.12691319	479	581	1639
1952	NM_001408	CELSR2	cadherin EGF LAG seven-pass G	-1.460221517	2.780276258	0.931629	0.638808	2.438529	3.40287721	2.91797176	4.78827692	376	344	1286
55057	NM_001039775	CRYBG2	crystallin beta-gamma domain co	-1.923840083	2.777752571	9.743026	5.068016	25.441097	5.66591984	4.74787652	7.1215888	1954	1357	6676
51347	NM_001346487,NM_001346488	TAOK3	TAO kinase 3	1.09001401	2.777501257	7.533575	9.175793	20.068766	5.06284359	5.18363121	6.50882125	1273	1854	4349
54785	NM_017622	BORCS6	BLOC-1 related complex subunit	1.658881682	2.775536597	0.75149	1.248512	1.954221	1.26358189	1.73367602	2.29082241	55	122	188
102	NM_001110,NM_001320570	ADAM10	ADAM metallopeptidase domain	1.299350698	2.774420062	33.541645	43.542992	87.309019	7.36617351	7.74195387	8.83277223	6438	11177	21969
7957	NM_001018041,NM_005670	EPM2A	EPM2A, laforin glucan phosphata	2.96281891	2.773695008	0.462696	0.694471	0.62172	0.83964067	1.74192207	1.67590018	31	123	106
8218	NM_001835,NM_007098	CLTCL1	clathrin heavy chain like 1	1.748464312	2.772052877	0.37234	0.66829	0.989547	1.602974	2.19057252	2.73414401	80	187	273
80298	NM_001033050,NM_025198	MTERF2	mitochondrial transcription termin	1.168811278	2.770226302	1.520579	1.79048	3.98483	1.87753473	2.04488597	3.07278016	105	164	358
8573	NM_001126054,NM_001126055	CASK	calcium/calmodulin dependent se	1.633940543	2.767347993	1.526319	2.493204	3.968057	3.72531928	4.39083965	5.12263165	480	1048	1634
114990	NM_138440	VASN	vasorin	1.629624558	2.76722844	5.71585	9.337338	14.883534	4.05651939	4.72725823	5.46866322	614	1337	2090
9841	NM_001164313,NM_014797	ZBTB24	zinc finger and BTB domain cont	4.232287648	2.764141694	1.831833	4.392573	2.838473	2.28439817	4.12056519	3.54926401	152	860	517
9124	NM_020992	PDLIM1	PDZ and LIM domain 1	-1.553423602	2.7617326	76.680336	49.421806	199.036484	6.89460161	6.26582699	8.35244181	4632	3984	15734
84986	NM_001204300,NM_001256423	ARHGAP19	Rho GTPase activating protein 1	-1.285667976	2.760920767	2.069533	1.613075	5.387062	3.59149522	3.2626764	4.97844822	434	451	1474
121506	NM_001300784,NM_152321	ERP27	endoplasmic reticulum protein 27	-1.306124671	2.759988319	0.83984	0.633239	2.067723	1.10178443	0.90836632	2.05953665	45	46	153
153910	NR_027311,NR_027312	LOC153910	uncharacterized LOC153910	3.806190828	2.759424437	0.068455	0.307575	0.206843	0.23670415	0.75384785	0.58209675	7	36	24
112574	NM_001102575,NM_001145427	SNX18	sorting nexin 18	2.145942069	2.758192683	1.538861	3.256955	3.960797	3.08983317	4.09825806	4.44161737	295	846	1001
6711	NM_003128,NM_178313	SPTBN1	spectrin beta, non-erythrocytic 1	1.522598083	2.757632322	35.079728	53.766105	90.892558	8.42623934	9.03133823	9.88700152	13466	27395	45673
320	NM_001163	APBA1	amyloid beta precursor protein bi	1.792004859	2.754537931	0.077306	0.141666	0.20623	0.59399636	0.93737891	1.26797492	20	48	68
6615	NM_005985	SNAI1	snail family transcriptional repres	1.662203418	2.75261019	1.094545	1.828587	2.848141	1.50279892	2.01797632	2.59766727	72	160	244
220004	NM_001170753,NM_145017	PPP1R32	protein phosphatase 1 regulatory	-1.039161837	2.752412605	1.668429	1.604635	4.310213	1.80577475	1.76638114	2.9773697	98	126	332
89944	NM_138342	GLB1L2	galactosidase beta 1 like 2	-1.073663685	2.751992794	11.56266	10.784372	29.915829	5.19109656	5.09145262	6.6262836	1395	1736	4722
22973	NR_004405	LAMB2P1	laminin subunit beta 2 pseudoge	-1.822115548	2.751651132	0.692293	0.38073	1.798063	1.03161781	0.65251278	1.95553366	41	30	139
7358	NM_001184700,NM_001184701	UGDH	UDP-glucose 6-dehydrogenase	-1.153847605	2.751321315	7.796147	6.927601	20.11783	4.63612739	4.43854891	6.0589488	937	1085	3171
56114	NM_018912,NM_031993	PCDHGA1	protocadherin gamma subfamily	-1.990027621	2.751283873	0.156545	0.079216	0.240399	0.46682716	0.25173066	1.03996283	15	10	51
101927167	NR_125398	GATA2-AS1	GATA2 antisense RNA 1	3.157042755	2.750412442	0.533754	1.713757	1.404041	1.16869613	2.30630165	2.14982678	49	207	166
677771	NR_003005	SCARNA4	small Cajal body-specific RNA 4	2.892476179	2.747709537	0.27107	1.117814	1.014064	0.07168335	0.20477631	0.19530369	2	8	7
100616117	NR_039797	MIR4653	microRNA 4653	1.116422214	2.747709537	0.468113	0.52377	1.495007	0.07168335	0.08023518	0.19530369	2	3	7
94026	NM_033482	POM121L2	POM121 transmembrane nucleo	-1.313695475	2.747709537	0.016505	0.012367	0.041266	0.07168335	0.05398282	0.19530369	2	2	7
154881	NM_001167961,NM_153033	KCTD7	potassium channel tetramerizatic	1.352583486	2.746803931	0.96645	1.308994	2.497872	2.52684435	2.89597101	3.81642381	187	338	632
5529	NM_001282179,NM_001282180	PPP2R5E	protein phosphatase 2 regulatory	2.295798035	2.745909254	4.932322	11.27839	12.647708	4.36189543	5.52084648	5.77399483	768	2356	2594
5174	NM_001201325,NM_001201326	PDZK1	PDZ domain containing 1	2.750474764	2.744811832	0.106162	0.311055	0.290072	0.3273552	0.77006602	0.76902392	10	37	34
4534	NM_000252	MTM1	myotubularin 1	1.364815967	2.744083617	1.591489	2.184874	4.124095	2.66651408	3.05333783	3.97112035	210	383	709
5792	NM_001329137,NM_001329138	PTPRF	protein tyrosine phosphatase, rec	-1.081631009	2.736206606	39.176437	36.29182	99.920058	8.19726685	8.08445853	9.64633065	11484	14186	38648
9388	NM_001308006,NM_006033	LIPG	lipase G, endothelial type	-1.821158462	2.735814452	2.471501	1.354882	6.424275	3.46409533	2.70251092	4.83089121	394	289	1326
26586	NM_001098525,NM_001286686	CKAP2	cytoskeleton associated protein 2	1.149901605	2.734744852	15.243927	17.011308	39.391078	5.64257074	5.84032177	7.0755933	1922	2953	6465
813	NM_001130674,NM_001199671	CALU	calumenin	-1.31120406	2.734569745	28.261721	21.591756	72.626943	7.2141026	6.82622283	8.6592576	5790	5900	19474
284440	NR_026956	LINC00663	long intergenic non-protein codin	-1.083181726	2.734031311	0.659558	0.605682	1.69945	1.33814853	1.26944952	2.37386535	60	74	202
3892	NM_001320198	KRT86	keratin 86	-1.208163935	2.733583212	0.43148	0.360281	1.133471	0.97665845	0.84852988	1.86820921	38	42	128
968	NM_001040059,NM_001251	CD68	CD68 molecule	1.625952274	2.732791453	3.412929	5.570102	8.809745	2.84588727	3.46799726	4.16345881	243	528	817
9766	NM_014734	SUSD6	sushi domain containing 6	1.048380068	2.728781822	5.033048	5.281457	12.910851	4.77815653	4.84389659	6.19281015	1038	1454	3484
153642	NM_198150	ARSK	arylsulfatase family member K	1.726201676	2.727993987	1.574036	2.729878	4.048652	2.61945147	3.30503223	3.91081999	202	466	678
7153	NM_001067	TOP2A	topoisomerase (DNA) II alpha	1.33176646	2.725452525	62.355408	83.136093	159.710007	8.45238665	8.86470417	9.89628008	13713	24401	45968
25789	NM_012109	TMEM59L	transmembrane protein 59 like	1.554370615	2.724119333	0.403093	0.622264	1.033768	0.71085839	0.99371033	1.45395569	25	52	84
102465472	NR_106845	MIR6787	microRNA 6787	2.321184343	2.719943748	3.023345	7.852101	8.788867	0.26755841	0.56226574	0.64076093	8	25	27
55616	NM_001143778,NM_017707	ASAP3	ArfGAP with SH3 domain, ankyri	2.198630514	2.718477559	3.577268	7.864923	9.127339	3.94164205	5.0262753	5.32400962	564	1657	1886
200879	NM_139248	LIPH	lipase H	-1.793491027	2.718073527	37.811741	21.099606	96.586571	6.52488929	5.69446357	7.95756508	3576	2664	11955
9334	NM_004776	B4GALT5	beta-1,4-galactosyltransferase 5	-1.346678879	2.717621836	38.093765	28.319246	97.297356	7.46224138	7.03566124	8.89942086	6884	6830	23010
54855	NM_017709	FAM46C	family with sequence similarity 46	2.40586271	2.716525908	0.250464	0.605705	0.640419	1.26358189	2.12902957	2.26619062	55	177	184
93185	NM_001206665,NM_001320247	IGSF8	immunoglobulin superfamily men	1.261426219	2.716396563	7.894479	9.974091	20.326432	4.2524017	4.57172706	5.64559645	709	1195	2369
150771	NM_001008949,NM_001163523	ITPRIPL1	inositol 1,4,5-trisphosphate recep	-2.061547509	2.715788138	0.166437	0.078596	0.429479	0.43999062	0.2284445	0.98063768	14	9	47
7699	NM_001300776,NM_001300777	ZNF140	zinc finger protein 140	2.763174832	2.715539607	2.110127	5.765786	5.362325	2.96361946	4.30717831	4.28338119	267	986	892
2720	NM_000404,NM_001079811,NM	GLB1	galactosidase beta 1	1.579443941	2.715050958	9.714998	14.961248	24.596679	4.66972207	5.30825016	6.07454909	960	2026	3206
66005	NM_001142674,NM_001142675	CHID1	chitinase domain containing 1	1.957061581	2.714594888	4.47932	8.728039	11.167366	3.95355025	4.87609552	5.33441396	569	1488	1900
81533	NM_001305002,NM_030790	ITFG1	integrin alpha FG-GAP repeat co	1.141196178	2.713361716	11.960571	13.683174	30.506956	5.5418659	5.52801678	6.75937345	1553	2368	5183
79148	NM_001032278,NM_024302,NM	MMP28	matrix metallopeptidase 28	-1.426595304	2.713214655	21.780754	14.066657	58.08671	5.24538562	4.74889974	6.66124136	1450	1358	4839
79690	NM_024637	GAL3ST4	galactose-3-O-sulfotransferase 4	-3.36232483	2.712250075	0.389672	0.115376	0.99692	0.97665845	0.36283659	1.86000215	38	15	127
51474	NM_001113546,NM_001113547	LIMA1	LIM domain and actin binding 1	-1.272142469	2.711972716	42.164487	32.898346	105.651918	7.24252976	6.89785283	8.67586304	5906	6203	19700
58191	NM_001100812,NM_022059	CXCL16	C-X-C motif chemokine ligand 16	-1.420902855	2.709581774	9.407526	6.819886	23.375077	4.39545784	3.91714113	5.78974263	787	740	2623
133746	NM_152405	JMY	junction mediating and regulatory	1.267458659	2.70108542	1.596866	2.028767	4.057555	3.92722123	4.24906335	5.29994267	558	945	1854
359948	NM_001077397,NM_182972	IRF2BP2	interferon regulatory factor 2 bind	1.764380341	2.699160814	16.199936	28.667449	41.158025	6.21292906	7.0236632	7.6331796	2873	6773	9538
25818	NM_001077491,NM_001077492	KLK5	kallikrein related peptidase 5	-2.058039831	2.696604243	0.562127	0.26957	1.622962	0.89996265	0.50527715	1.73991364	34	22	113
374986	NM_001270384,NM_198549	MIGA1	mitoguardin 1	1.459060145	2.694116113	1.696553	2.486725	4.308376	3.53871843	4.04427071	4.88851253	417	813	1382
255928	NM_001146261,NM_001146262	SYT14	synaptotagmin 14	-1.675674326	2.691601199	0.266844	0.16163	0.714189	1.24819466	0.86372326	2.23479744	54	43	179
84197	NM_001277971,NM_032237	POMK	protein-O-mannose kinase	1.947201203	2.690916937	0.629803	1.173662	1.576786	0.97665845	1.52971203	1.85174813	38	99	126
7148	NM_019105,NM_032470,NM_03	TNXB	tenascin XB	1.433468476	2.687805569	0.713507	0.920076	1.142502	2.38631541	2.8201133	3.62870475	166	318	549
51735	NM_001164386,NM_001164387	RAPGEF6	Rap guanine nucleotide exchang	3.572064869	2.686173687	1.706831	4.549412	2.891879	3.33894587	5.06950644	4.67237502	358	1709	1183
201895	NM_001317896,NM_001317897	SMIM14	small integral membrane protein	-1.872301867	2.685113157	4.728522	2.525504	11.924988	4.6997269	3.84241755	6.08954382	981	700	3240
9258	NM_004225	MFHAS1	malignant fibrous histiocytoma as	1.708915313	2.684405042	0.504884	0.865898	1.281647	1.84721644	2.44407994	2.99621456	102	233	337
6297	NM_001291446,NM_001291447	SALL2	spalt like transcription factor 2	2.379146135	2.682673498	0.347467	1.205015	0.883066	1.42282133	2.32288731	2.46326383	66	210	218
100532736	NM_001204088,NM_001204089	MINOS1-NBL1	MINOS1-NBL1 readthrough	1.299068763	2.68018266	2.298933	2.985363	5.790277	2.46828542	2.78463118	3.71768886	178	309	587
100132249	NR_135128	LOC100132249	uncharacterized LOC100132249	2.557769336	2.679824903	0.210365	0.536442	0.529377	0.88013425	1.65726059	1.70368302	33	113	109
7008	NM_001145398,NM_003216	TEF	TEF, PAR bZIP transcription fact	1.918273922	2.679380079	11.452956	21.99754	28.839766	5.64477584	6.57075261	7.04853969	1925	4934	6344
192668	NM_001037160	CYS1	cystin 1	-1.969526583	2.678801035	0.057254	0.028837	0.147027	0.20517559	0.10601836	0.49997203	6	4	20
146057	NM_173500	TTBK2	tau tubulin kinase 2	1.788816994	2.675723444	0.42617	0.766641	1.076367	1.74129091	2.37683491	2.86293141	92	220	303
3688	NM_002211,NM_033668,NM_13	ITGB1	integrin subunit beta 1	1.41395322	2.675430852	148.834312	211.339063	374.764452	9.13266278	9.63164656	10.55082818	21998	41559	72387

56606	NM_001001290,NM_020041	SLC2A9	solute carrier family 2 member 9	1.549913931	2.674878213	0.181857	0.282218	0.458183	0.41264541	0.59904473	0.91876801	13	27	43
7464	NM_003389,NM_052820	CORO2A	coronin 2A	-1.019754737	2.674018435	7.628716	7.486779	19.171772	5.38559376	5.35805128	6.78289786	1602	2099	5269
135114	NM_138571	HINT3	histidine triad nucleotide binding	1.116031997	2.673686574	1.762105	1.967232	4.432068	2.76710656	2.90334193	4.04718766	228	340	750
2181	NM_004457,NM_203372	ACSL3	acyl-CoA synthetase long-chain f	1.480780917	2.668034694	17.275921	25.510616	43.527349	6.19698895	6.7569656	7.60045466	2841	5621	9323
5033	NM_000917,NM_001017962,NM	P4HA1	prolyl 4-hydroxylase subunit alph	1.904440761	2.667470022	15.430124	29.436218	38.65529	5.45257769	6.36625696	6.84736687	1680	4275	5512
80271	NM_025194	ITPKC	inositol-trisphosphate 3-kinase C	-1.063841829	2.66628953	6.185091	5.823524	15.51196	4.41969781	4.33469951	5.79190132	801	1006	2627
79762	NM_024709	C1orf115	chromosome 1 open reading fran	-2.120301024	2.663707706	3.113761	1.464904	7.800678	3.32434579	2.39263351	4.64517113	354	223	1160
10406	NM_006103	WFDC2	WAP four-disulfide core domain 2	-1.978113479	2.662985365	30.154005	15.240751	75.532341	4.14017606	3.23373217	5.50135024	653	441	2139
91663	NM_001020818,NM_001020819	MYADM	myeloid associated differentiatior	-1.302809032	2.662801479	49.997462	38.221749	128.129644	7.2801335	6.90130813	8.6872872	6063	6218	19857
63874	NM_022060	ABHD4	abhydrolase domain containing 4	-1.109206034	2.662308204	12.788941	11.540526	32.003986	5.01136367	4.86669962	6.39591961	1227	1478	4018
4983	NM_002547	OPHN1	oligophrenin 1	-1.246204241	2.662296553	0.816955	0.656491	2.050667	2.80965758	2.541776	4.08816658	236	253	773
6907	NM_001139466,NM_001139467	TBL1X	transducin beta like 1X-linked	1.665563785	2.66174283	1.781942	2.975721	4.465921	3.45071403	4.13315895	4.77851272	390	868	1277
81571	NR_026677	MIR600HG	MIR600 host gene	1.233629037	2.661485149	1.351768	1.671596	3.388876	3.15316384	3.42511354	4.46073909	310	511	1015
220	NM_000693,NM_001293815	ALDH1A3	aldehyde dehydrogenase 1 famil	1.137226084	2.6608125	135.187637	153.990848	339.781042	8.89415522	9.07930937	10.30413358	18640	28323	61002
136319	NM_145808	MTPN	myotrophin	-1.627160486	2.660648394	15.246428	9.377161	38.123871	5.87446719	5.18740997	7.27085835	2264	1859	7409
439921	NM_001008528,NM_001008529	MXRA7	matrix remodeling associated 7	-1.231762698	2.660310358	3.665047	3.191417	9.833522	3.18986937	2.92523142	4.49955999	319	346	1044
9741	NM_014713	LAPTM4A	lysosomal protein transmembran	1.670185279	2.659256961	46.512745	77.794281	116.263214	6.33902704	7.07188599	7.73891952	3139	7005	10267
3394	NM_002163	IRF8	interferon regulatory factor 8	4.251910915	2.65817444	0.134719	0.583525	0.338963	0.43999062	1.33632702	0.96541723	14	80	46
124590	NM_001282489,NM_173477	USH1G	USH1 protein network componer	-1.038897293	2.65817444	0.102651	0.098887	0.257197	0.43999062	0.42561204	0.96541723	14	18	46
79152	NM_024306	FA2H	fatty acid 2-hydroxylase	-2.37886529	2.654810042	7.78455	3.277972	19.444702	4.27914521	3.12759409	5.64081394	723	406	2361
57326	NM_001317734,NM_001317735	PBXIP1	PBX homeobox interacting protei	1.377108903	2.652453542	7.952906	10.997724	19.890011	4.71799337	5.16458753	6.09085944	994	1829	3243
23046	NM_001252100,NM_001252102	KIF21B	kinesin family member 21B	-1.472932037	2.65010391	0.450623	0.301465	1.123456	2.35073722	1.9196316	3.56953804	161	146	525
387104	NM_001012279	SOGA3	SOGA family member 3	-1.296735185	2.648934903	0.074805	0.057559	0.187019	0.89996265	0.73744528	1.72191206	34	35	111
283140	NR_126004	LOC283140	uncharacterized LOC283140	1.238869866	2.648562418	0.026177	0.032877	0.072639	0.10623215	0.13134883	0.27153692	3	5	10
376267	NM_001308154,NM_001330182	RAB15	RAB15, member RAS oncogene	1.349932044	2.648483209	8.291326	11.530579	21.107023	4.82687594	5.24656157	6.20014324	1075	1939	3502
112724	NM_001145971,NM_138412,NR	RDH13	retinol dehydrogenase 13	-1.388663657	2.647197604	13.472516	10.011069	32.423613	4.87023937	4.41553601	6.24377015	1109	1067	3611
10129	NM_023037	FRY	FRY microtubule binding protein	1.403176303	2.647035471	0.760656	1.06938	1.893936	3.16140171	3.60313623	4.46209528	312	585	1016
2317	NM_001164317,NM_001164318	FLNB	filamin B	1.184211888	2.645065449	125.578846	148.711804	312.043049	10.17713342	10.42086734	11.57966385	45415	71858	147747
6942	NM_005650,NM_181492	TCF20	transcription factor 20	1.638566682	2.643344824	3.983384	6.612036	10.033123	4.87650783	5.569727	6.24810046	1114	2439	3622
55964	NM_019106,NM_145733	SEPT3	septin 3	-1.137450403	2.643243144	0.129233	0.113377	0.400728	0.66524311	0.59044473	1.35230545	23	27	75
135228	NM_001159587,NM_001159588	CD109	CD109 molecule	2.698940692	2.637650779	3.156407	8.553779	7.828458	4.86520493	6.26618436	6.23348291	1105	3985	3585
5412	NM_007106	UBL3	ubiquitin like 3	1.175513279	2.635151338	2.340799	2.753451	5.79936	3.44734922	3.66081122	4.76098929	389	611	1261
102465493	NR_106879	MIR6821	microRNA 6821	1.307702239	2.630987222	5.327464	7.188659	13.984297	0.49317359	0.61708849	1.05442063	16	28	52
728806	NR_033799,NR_033799_dup1	NSFP1	N-ethylmaleimide-sensitive factor	-1.02531206	2.630715929	1.436979	1.425203	3.612528	0.88013425	0.86372326	1.6852207	33	43	107
10974	NM_006829	ADIRF	adipogenesis regulatory factor	-1.201851664	2.630590639	157.851791	131.466339	390.233948	6.70439259	6.44191589	8.09120323	4055	4508	13120
6692	NM_001032367,NM_003710,NM	SPINT1	serine peptidase inhibitor, Kunitz	1.580634946	2.627172491	66.048444	103.579745	161.998863	7.28084259	7.93794412	8.66861249	6066	12811	19601
5230	NM_000291	PGK1	phosphoglycerate kinase 1	2.57793131	2.626668708	96.707619	249.581467	238.710571	7.8401152	9.20248066	9.22945628	8957	30852	28937
64839	NM_001163315	FBXL17	F-box and leucine rich repeat pro	1.023014415	2.625984929	1.547241	1.586865	3.823498	3.14487866	3.17404113	4.43334413	308	421	995
2551	NM_001197297,NM_002040	GABPA	GA binding protein transcription f	1.537580956	2.624443417	4.661838	7.034292	11.625915	4.5509035	5.14994432	5.90441835	881	1810	2844
8814	NM_001282236,NM_004196	CDKL1	cyclin dependent kinase like 1	1.906083731	2.617555524	0.605297	1.161731	1.478065	1.01352966	1.55800914	1.87636985	40	102	129
9473	NM_001039477,NM_001105556	THEMIS2	thymocyte selection associated fa	-2.542369541	2.615875362	1.531409	0.599755	3.90929	2.34351507	1.37924953	3.54415067	160	84	515
5447	NM_000941	POR	cytochrome p450 oxidoreductase	-1.165037162	2.614373263	22.524179	19.356327	55.342968	5.8025506	5.58642267	7.17301154	2152	2468	6920
51232	NM_016441	CRIM1	cysteine rich transmembrane BM	1.409534533	2.612429017	8.591599	12.122396	21.093189	5.58325587	6.06972904	6.95000779	1843	3471	5922
9572	NM_021724	NR1D1	nuclear receptor subfamily 1 grou	1.687094856	2.612137411	15.050844	25.425701	36.953114	5.38119197	6.12160473	6.74496103	1597	3600	5131
151475	NR_040038	LINC01907	long intergenic non-protein codin	-1.800958187	2.608064578	0.221102	0.123993	0.561035	0.66524311	0.40498881	1.34055586	23	17	74
84665	NM_001256267,NM_001256268	MYPN	myopalladin	-1.649411664	2.607789559	0.500134	0.298408	1.272512	1.87753473	1.38978355	2.99621456	105	85	337
123036	NM_001128595,NM_001128596	TC2N	tandem C2 domains, nuclear	-1.001200868	2.605793017	4.424397	4.330296	10.745302	4.49006587	4.48841131	5.83178982	843	1125	2702
80320	NM_001258248,NM_199262	SP6	Sp6 transcription factor	1.028765296	2.603380362	1.995869	2.056231	4.895215	3.0724647	3.10858833	4.34348418	291	400	932
10298	NM_001014831,NM_001014832	PAK4	p21 (RAC1) activated kinase 4	1.089967008	2.601755935	23.895005	24.943201	55.528618	5.98011746	6.10251937	7.3455041	2439	3552	7805
25809	NM_012263,NR_027779	TTLL1	tubulin tyrosine ligase like 1	1.230059689	2.601475895	0.862693	1.069879	2.123555	1.32354034	1.51053416	2.29691521	59	97	189
4212	NM_001220482,NM_002399,NM	MEIS2	Meis homeobox 2	1.867349828	2.600327577	0.965501	1.931465	2.465339	2.0648444	2.79655578	3.21470347	125	312	400
10205	NM_005797,NM_144765	MPZL2	myelin protein zero like 2	-1.451060756	2.5948342	28.144457	19.116063	60.654047	6.03606811	5.50881622	7.39817301	2537	2336	8097
118663	NM_001318189,NM_144587	BTBD16	BTB domain containing 16	-1.586627617	2.594611956	0.34132	0.215045	0.840669	0.71085839	0.48576948	1.40965954	25	21	80
55002	NM_001349741,NM_001349742	TMCO3	transmembrane and coiled-coil d	1.325543694	2.593361279	3.136538	4.211068	7.811297	3.44734922	3.82117143	4.73878137	389	689	1241
27250	NM_001199492,NM_014456,NM	PDCD4	programmed cell death 4	1.381127598	2.592568618	3.982719	5.51234	9.747333	3.90776647	4.34691481	5.22203654	550	1015	1754
153562	NM_001038603,NM_001244734	MARVELD2	MARVEL domain containing 2	1.285361316	2.591680332	3.730232	4.802763	9.138973	3.14487866	3.47048058	4.41525433	308	529	982
3091	NM_001243084,NM_001530,NM	HIF1A	hypoxia inducible factor 1 alpha s	2.11685598	2.591533273	32.140184	68.103476	78.287042	6.99740199	8.07337174	8.36427674	4977	14077	15864
5878	NM_001252039,NM_004583,NM	RAB5C	RAB5C, member RAS oncogene	1.718936713	2.590462368	16.198457	28.624905	39.674801	4.85254141	5.61307745	6.19485086	1095	2515	3489
220213	NM_001145373	OTUD1	OTU deubiquitinase 1	1.605846747	2.589018511	3.226923	5.188292	7.849329	3.43040645	4.06249189	4.71849769	384	824	1223
79789	NM_024734	CLMN	calmin	-1.672798623	2.588348043	6.717512	4.020102	16.33905	6.39904131	5.66820237	7.76057433	3274	2615	10423
57482	NM_020722	KIAA1211	KIAA1211	-10.35458731	2.586043107	0.119373	0.01118	0.289363	0.08602952	0.10601836	1.65300401	4	4	102
351	NM_000484,NM_001136016,NM	APP	amyloid beta precursor protein	1.130515002	2.585957073	169.655844	192.420504	413.076171	9.21948907	9.39619055	10.58870664	23365	35293	74314
100529215	NM_001172650,NM_001202425	ZNF559-ZNF177	ZNF559-ZNF177 readthrough	2.168071441	2.585554884	0.202189	0.459826	0.501634	0.61813834	1.11294744	1.25551499	21	61	67
3797	NM_002254	KIF3C	kinesin family member 3C	1.250822093	2.585046332	1.35926	1.706656	3.310649	3.0370876	3.32438062	4.29560377	283	473	900
84649	NM_001253891,NM_032564	DGAT2	diacylglycerol O-acyltransferase	1.464925883	2.584475957	2.062857	2.9502	4.892087	2.53954085	3.009612	3.74913666	189	370	601
10499	NM_001321703,NM_001321707	NCOA2	nuclear receptor coactivator 2	5.885360743	2.579294617	0.688743	4.072312	1.670814	2.75082071	5.11862197	3.98061446	225	1770	714
60481	NM_001242828,NM_001242830	ELOVL5	ELOVL fatty acid elongase 5	1.457583923	2.579206711	12.922042	19.397174	29.43796	5.18807576	5.71921153	6.53063733	1392	2711	4416
4324	NM_002428	MMP15	matrix metallopeptidase 15	-1.186102914	2.576598335	6.324624	5.338514	15.324091	4.76470172	4.52828878	6.09741956	1028	1158	3258
57153	NM_001145056,NM_020428	SLC44A2	solute carrier family 44 member 2	-1.477270458	2.575742369	54.131817	36.714041	131.077035	7.50777635	6.94861046	8.86792094	7106	6427	22512
10538	NM_006399	BATF	basic leucine zipper ATF-like tran	1.889511884	2.574361963	3.804049	7.208458	9.22715	2.16656821	2.92523142	3.32017262	137	346	434
23002	NM_001270520,NM_014992	DAAM1	dishevelled associated activator	1.229007059	2.572751708	3.558045	4.375519	8.600251	4.42141376	4.706341	5.74309004	802	1317	2538
5577	NM_002736	PRKAR2B	protein kinase cAMP-dependent	2.704992569	2.570968991	0.071459	0.212611	0.187525	0.35634914	0.81765451	0.78645063	11	40	35
78987	NM_001031717,NM_001077415	CRELD1	cysteine rich with EGF like doma	1.067993851	2.568577221	3.585903	3.770732	9.631847	3.35699061	3.44292618	4.62956502	363	518	1147
23345	NM_001347701,NM_001347702	SYNE1	spectrin repeat containing nuclea	-1.326633379	2.56709894	3.543272	2.713815	11.929697	5.19912125	4.80408772	6.53515454	1403	1413	4430
152098	NM_001040432,NM_001324169	ZCWPW2	zinc finger CW-type and PWWP	2.072658361	2.566635514	0.044537	0.080599	0.108823	0.17294258	0.3412894	0.41288872	5	14	16
389692	NM_201589	MAFA	MAF bZIP transcription factor A	4.857113602	2.566635514	0.044098	0.27079	0.134688	0.17294258	0.70406985	0.41288872	5	33	16
100500865	NR_037500	MIR3936	microRNA 3936	1.193356706	2.566635514	1.153827	1.363821	2.741865	0.17294258	0.20477631	0.41288872	5	8	16
860	NM_001015051,NM_001024630	RUNX2	runt related transcription factor 2	1.704921799	2.565730146	0.234907	0.404141	0.600167	1.18495016	1.66595383	2.09493548	50	114	158
7739	NM_001178106,NM_001178107	ZNF185	zinc finger protein 185 with LIM d	1.035118762	2.565108391	9.182468	9.570361	22.267397	5.31350078	5.36206908	6.65027765	1522	2105	4802
2591	NM_004482	GALNT3	polypeptide N-acetylgalactosamii	-1.014569234	2.559821904	26.853191	26.498569	64.606766	6.43346186	6.41283705	7.77932727	3354	4417	10560
10371	NM_006080	SEMA3A	semaphorin 3A	-1.356825051	2.559313775	7.561636	5.579267	18.188524	5.41517498	4.98692172	6.75024381	1636	1611	5150
84902	NM_032816	CEP89	centrosomal protein 89	1.211984994	2.558366565	3.524442	4.27518	8.471397	3.34619087	3.5986027	4.61256748	360	583	1133
54854	NM_017708	FAM83E	family with sequence similarity 83	-7.880269554	2.558173258	1.308379	0.16026	3.156715	1.83696709	0.40498891	2.92325564	101	17	318
10076	NM_001195001,NM_005704,NM	PTPRU	protein tyrosine phosphatase, rec	-1.10939809	2.55681039	5.562758	5.03801	13.426545	4.973267	4.82849184	6.29945438	1194	1438	3755
148534	NM_001199679,NM_152487	TMEM56	transmembrane protein 56	1.031720554	2.555782475	2.288495	2.392613	5.57294	4.03650512	4.07885924	5.33589419	605	834	1902
64699	NM_001256317,NM_024022,NM	TMPRSS3	transmembrane protease, serine	-2.460894648	2.555125411	4.164359	1.654837	10.743783	3.22566415	2.13530335	4.48228657	328	178	1031
4329	NM_001278593,NM_001278594	ALDH6A1	aldehyde dehydrogenase 6 famil	1.002140556	2.552473283	2.546587	2.642197	6.319298	3.70291935	3.70576821	4.98601009	472	632	1482
653381	NR_146393,NR_146394	SORD2P	sorbitol dehydrogenase 2, pseud	1.328136358	2.551752464	0.466432	0.619888	1.122688	1.16869613	1.41062362	2.06668624	49	87	154
80326	NM_025216	WNT10A	Wnt family member 10A	1.156563126	2.550037346	8.620815	9.985529	20.662678	4.38845666	4.58897123	5.69660757	783	1210	2456
3339	NM_001291860,NM_005529	HSPG2	heparan sulfate proteoglycan 2	-1.691402746	2.549848448	18.39348	10.886507	44.073454	8.01024937	7.25588228	9.35726545	10083	7965	31622
79025	NM_001319152,NM_001319153	FNDC11	fibronectin type III domain contai	-5.369021074	2.548855025	2.687619	0.497524	6.455014	1.9928118	0.63490936	3.10438964	117	29	367
4864	NM_000271	NPC1	NPC intracellular cholesterol tran	1.178535144	2.548299212	12.661139	14.938189	30.319628	5.91522644	6.14860501	7.25020433	2330	3669	7303
5911	NM_021033	RAP2A	RAP2A, member of RAS oncoge	1.402277841	2.548242585	1.32911	1.867364	3.189663	2.73434891	3.15872433	3.9461924	222	416	696
144699	NM_152441	FBXL14	F-box and leucine rich repeat pro	1.150818187	2.547013024	1.469709	1.69073	3.526453	2.01115992	2.16626946	3.1250843	119	183	373
653677	NR_004401	SEC1P	secretory blood group 1, pseudo	1.24305565	2.545778104	0.056469	0.067622	0.140565	0.20517559	0.25173066	0.47868902	6	10	19
497661	NM_001035005,NM_001199346	C18orf32	chromosome 18 open reading fra	-1.514575997	2.54503061	6.358145	4.186592	15.223105	3.45071403	2.91797176	4.71622624	390	344	1221
10690	NM_006581	FUT9	fucosyltransferase 9	13.37490496	2.544673252	0.122488	1.644683	0.292974	1.33814853	4.42452914	2.29082241	60	1074	188
6856	NM_006754,NM_182715	SYPL1	synaptophysin like 1	-1.010214501	2.543601024	11.995819	11.876116	28.679127	4.80338004	4.7892446	6.11864377	1057	1398	3307
9500	NM_001005332,NM_001005333	MAGED1	MAGE family member D1	1.585106891	2.542354069	12.967297	20.147681	30.113256	5.10722904	5.75631865	6.42784991	1314	2783	4109

23764	NM_001161572,NM_001161573	MAFF	MAF bZIP transcription factor F	1.124723697	2.541995551	17.352306	19.542314	41.549202	5.40046018	5.56624847	6.72561184	1619	2433	5062
5734	NM_000958	PTGER4	prostaglandin E receptor 4	-1.886569513	2.538344281	1.176445	0.623818	2.812827	2.29940604	1.62195412	3.45433079	154	109	481
219790	NM_001282941,NM_145307	RTKN2	rhotekin 2	-2.811300071	2.536142047	5.61605	1.871054	11.777892	4.84361034	3.44039495	6.15557498	1088	517	3394
90993	NM_052854	CREB3L1	cAMP responsive element bindin	-1.301806159	2.53368195	1.475234	1.130149	3.511694	2.29192162	1.99745948	3.44338646	153	157	477
440952	NR_033965	EIF1B-AS1	EIF1B antisense RNA 1	-1.846367714	2.530786015	0.085728	0.037124	0.203245	0.23670415	0.13134883	0.54161868	7	5	22
148709	NR_002929	LOC148709	actin pseudogene	-1.329394012	2.530786015	0.075574	0.059117	0.189377	0.23670415	0.18071335	0.54161868	7	7	22
7494	NM_001079539,NM_005080	XBP1	X-box binding protein 1	1.492044809	2.529676024	78.289779	116.943536	186.289931	7.1250342	7.69892196	8.45774146	5441	10847	16929
79924	NM_001253845	ADM2	adrenomedullin 2	1.412236029	2.526750771	2.751665	3.897875	6.544733	3.56379523	4.02581645	4.82563275	425	802	1321
100302736	NM_001164468,NM_001164469	TMED7-TICAM2	TMED7-TICAM2 readthrough	-1.740935135	2.526077438	3.111935	1.815347	7.385124	3.63059014	2.91432819	4.89555604	447	343	1389
7280	NM_001069,NM_001310315	TUBB2A	tubulin beta 2A class IIa	1.3737229	2.525882695	8.271287	11.557529	19.81581	3.84009957	4.27059745	5.11489271	523	960	1625
146198	NM_001305203,NM_001305204	ZFP90	ZFP90 zinc finger protein	1.77972591	2.521759749	2.803408	4.459784	6.415153	3.58232086	4.36036716	4.84239278	431	1025	1337
6484	NM_001254757,NM_001254758	ST3GAL4	ST3 beta-galactoside alpha-2,3-s	-1.739637813	2.52116356	25.235072	14.700108	59.824746	5.57479997	4.79816878	6.89056312	1832	1407	5681
29994	NM_001289975,NM_001329857	BAZ2B	bromodomain adjacent to zinc fin	2.990374862	2.520113441	2.511116	7.067488	5.677015	4.29420754	5.8248786	5.58277547	731	2921	2266
29993	NM_001199583,NM_020804	PACSIN1	protein kinase C and casein kina	2.527281081	2.520024406	0.109366	0.277418	0.260206	0.54446555	1.11294744	1.11084509	18	61	56
340348	NM_178562	TSPAN33	tetraspanin 33	-5.548581184	2.513608607	0.901969	0.161834	2.128691	1.78459878	0.52452456	2.83807727	96	23	297
1605	NM_001165928,NM_001177634	DAG1	dystroglycan 1	1.557629482	2.513412518	8.25874	13.70874	20.781344	5.59546755	6.22412724	6.90708762	1859	3869	5747
113540	NM_052999,NM_181268,NM_18	CMTM1	CKLF like MARVEL transmembra	1.196443995	2.511982317	0.60044	0.668023	1.153281	0.59399636	0.68708806	1.19154816	20	32	62
133619	NM_001286808,NM_130809	PRRC1	proline rich coiled-coil 1	-1.02589058	2.509268736	12.058882	11.770069	28.440701	5.81173868	5.77552483	7.12351846	2166	2821	6685
253559	NM_001167674,NM_001167675	CADM2	cell adhesion molecule 2	1.047694804	2.507667769	0.127435	0.135146	0.290631	1.10178443	1.1381576	1.95553366	45	63	139
2517	NM_000147	FUCA1	fucosidase, alpha-L- 1, tissue	1.332402223	2.50731774	15.289059	20.402765	36.041595	5.02384223	5.42679658	6.32315631	1238	2204	3818
2743	NM_000824,NM_001166060,NM	GLRB	glycine receptor beta	-1.148749227	2.506295096	2.445386	2.099766	5.666105	3.00540462	2.83174937	4.21906166	276	321	851
8202	NM_001174087,NM_001174088	NCOA3	nuclear receptor coactivator 3	1.051888659	2.505983141	7.077944	7.45222	16.668725	5.80977473	5.88149093	7.11965656	2163	3040	6667
150372	NM_001318323,NM_145912	NFAM1	NFAT activating protein with ITAI	-1.477002155	2.503600799	0.042645	0.031411	0.110288	0.3273552	0.2284445	0.71544405	10	9	31
26032	NM_015551	SUSD5	sushi domain containing 5	1.491607957	2.503600799	0.05227	0.078328	0.121312	0.3273552	0.46599441	0.71544405	10	20	31
116441	NM_001184723,NM_138786	TM4SF18	transmembrane 4 L six family me	1.238859246	2.503083198	12.790252	15.877411	29.528046	5.56241133	5.86554139	6.86772028	1816	3006	5591
101928403	NR_135540	LOC101928403	uncharacterized LOC101928403	2.469622993	2.502228724	0.693537	1.748012	1.654355	0.93882015	1.70865125	1.72191206	36	119	111
10235	NM_001098670,NM_001098671	RASGRP2	RAS guanyl releasing protein 2	1.829001325	2.497800993	0.119868	0.221285	0.283759	0.35634914	0.59904473	0.76902392	11	27	34
6303	NM_002970,NR_027783	SAT1	spermidine/spermine N1-acetyltr	-1.505949218	2.494004795	69.350578	46.091912	164.845239	6.23456305	5.65352499	7.54153716	2917	2588	8948
2872	NM_017572,NM_199054	MKNK2	MAP kinase interacting serine/thr	1.331308796	2.49299822	42.505785	54.573982	89.897147	6.87125028	7.2810339	8.18171432	4557	8106	13973
100874278	NR_046817,NR_110056	ERI3-IT1	ERI3 intronic transcript 1	1.739750021	2.492958874	0.576868	0.962052	1.330049	0.38477185	0.61708849	0.82068496	12	28	37
361	NM_001317384,NM_001317387	AQP4	aquaporin 4	-3.145343253	2.492958874	0.057799	0.018059	0.135619	0.38477185	0.13134883	0.82068496	12	5	37
1831	NM_001015881,NM_001318468	TSC22D3	TSC22 domain family member 3	1.091878527	2.492279563	12.166024	13.990806	29.522002	4.67116511	4.79321772	5.95442013	961	1402	2946
5955	NM_001271837,NM_002902	RCN2	reticulocalbin 2	1.741960375	2.492144452	21.609848	37.857409	50.560577	5.57941842	6.36725676	6.87867922	1838	4278	5634
1821	NM_001171184,NM_001939	DRP2	dystrophin related protein 2	2.160677873	2.491256841	0.101646	0.222593	0.238698	0.77668602	1.34717796	1.47560397	28	81	86
57211	NM_001032394,NM_001032395	ADGRG6	adhesion G protein-coupled rece	-1.461997707	2.488748419	9.906645	6.787477	23.191381	6.09046901	5.55224986	7.3932051	2636	2409	8069
158135	NM_001139442,NM_194252	TTLL11	tubulin tyrosine ligase like 11	2.242533145	2.486496465	0.378715	1.099287	0.900251	1.15225689	1.90501868	2.01587867	48	144	147
79639	NM_001300746,NM_001300747	TMEM53	transmembrane protein 53	1.215588912	2.48559191	2.109939	2.560846	4.951374	2.53954085	2.77662633	3.69710431	189	307	578
9827	NM_001080496	RGP1	RGP1 homolog, RAB6A GEF cor	2.232544865	2.483875102	1.043403	2.342582	2.450454	1.46336426	2.30073045	2.42483178	69	206	211
11022	NM_001083963,NM_001083964	TDRKH	tudor and KH domain containing	1.053331049	2.483706132	2.672756	2.726363	5.954842	2.97768275	3.04336424	4.17673594	270	380	825
1027	NM_004064	CDKN1B	cyclin dependent kinase inhibitor	-1.497256523	2.4830378	19.937342	13.330029	46.543758	5.64330615	5.07522832	6.93811829	1923	1716	5873
114088	NM_015163,NM_052978	TRIM9	tripartite motif containing 9	1.790602259	2.482277475	0.075292	0.141089	0.186332	0.46682716	0.75384785	0.96541723	15	36	46
8819	NM_003864	SAP30	Sin3A associated protein 30	1.436845366	2.480854351	2.664732	3.833909	6.215762	1.9554003	2.36086138	3.02586351	113	217	345
8663	NM_001037808,NM_001037808	EIF3C	eukaryotic translation initiation fa	1.131203846	2.479521574	33.105391	37.477724	78.517079	6.69342755	6.86967318	7.99517141	4024	6082	12272
2589	NM_020474	GALNT1	polypeptide N-acetylgalactosamii	1.472081532	2.478360221	8.448669	12.452129	19.682472	5.02609951	5.569727	6.30890656	1240	2439	3780
9518	NM_004864	GAP15	growth differentiation factor 15	-1.679070287	2.475728023	55.187164	32.908344	128.420059	6.25154321	5.51664729	7.54809721	2952	2349	8989
26225	NM_001037174,NM_012097,NM	ARL5A	ADP ribosylation factor like GTP	2.779959888	2.474532384	3.204485	8.911307	7.536235	3.43720745	4.82461482	4.66297087	386	1434	1175
219749	NM_001329647,NM_001329648	ZNF25	zinc finger protein 25	1.100023461	2.473485965	1.254699	1.381996	3.375968	2.78853894	2.90701332	3.96539376	232	341	706
92973	NR_024006	LINC00950	long intergenic non-protein codin	1.393851744	2.472358038	0.218626	0.303897	0.510097	1.08456011	1.3579479	1.91649468	44	82	134
89122	NM_033017,NM_033091	TRIM4	tripartite motif containing 4	1.071371601	2.472188937	3.381327	3.627352	7.839495	3.60363765	3.69519054	4.83717616	438	627	1332
54874	NM_001024948,NM_001164473	FNBP1L	formin binding protein 1 like	1.585093673	2.470345587	5.098023	8.057342	11.438991	4.59109862	5.23346232	5.85984164	907	1921	2756
10370	NM_001168388,NM_001168389	CITED2	Cbp/p300 interacting transactivat	1.996141994	2.469434585	6.088304	12.323515	14.150746	3.64240927	4.5809496	4.87635737	451	1203	1370
101927765	NR_125961,NR_125962	LOC101927765	uncharacterized LOC101927765	1.237856012	2.465730482	2.386801	2.960261	5.565699	1.26358189	1.45142181	2.15654364	55	91	167
342892	NM_001193552,NM_001267779	ZNF850	zinc finger protein 850	-1.190145813	2.464850398	1.047118	0.892788	2.437555	3.15316384	2.93245472	4.35521005	310	348	940
9710	NM_014686	KIAA0355	KIAA0355	1.227804349	2.46331277	1.947975	2.394826	4.510724	3.7744826	4.05092325	5.01124268	498	817	1509
5236	NM_001172818,NM_001172819	PGM1	phosphoglucomutase 1	1.501438356	2.463266436	10.261003	15.437895	23.774699	4.68551669	5.25306686	5.95249158	971	1948	2942
5159	NM_002609	PDGFRB	platelet derived growth factor rec	-1.294994713	2.461999518	0.288907	0.223954	0.676521	1.39514558	1.1751656	2.32699908	64	66	194
10758	NM_001164281,NM_001164283	TRAF3IP2	TRAF3 interacting protein 2	1.508817217	2.461622192	1.032404	1.606	5.428944	2.86114003	3.38618649	4.03812306	246	496	745
639	NM_001198,NM_182907	PRDM1	PR/SET domain 1	-1.63136666	2.461308365	0.331645	0.204146	0.790535	1.42282133	1.02107213	2.36229074	66	54	200
10874	NM_001292045,NM_001292046	NMU	neuromedin U	-2.583415439	2.46045148	33.130083	12.872717	76.711517	4.75792697	3.47048058	6.02494052	1023	529	3096
55803	NM_001346712,NM_001346714	ADAP2	ArfGAP with dual PH domains 2	-1.743150032	2.458257544	0.315043	0.179837	0.739716	0.89996265	0.58077243	1.64757178	34	26	103
11215	NM_016248	AKAP11	A-kinase anchoring protein 11	1.436584561	2.45820305	2.226354	3.204299	5.147239	4.49333262	4.99643048	5.78254203	845	1622	2555
11005	NM_001127698,NM_001127699	SPINK5	serine peptidase inhibitor, Kazal	-1.901183901	2.45753841	1.189385	0.712836	2.823415	2.4003046	1.70021226	3.5281099	168	118	508
8444	NM_001004023,NM_003582	DYRK3	dual specificity tyrosine phosphor	4.076691187	2.453285791	0.531792	2.259499	1.278565	1.11880553	2.53229878	1.95553366	46	251	139
7466	NM_001145853,NM_006005	WFS1	wolframin ER transmembrane gly	1.592247489	2.452660949	13.753597	21.932743	31.718119	5.63667394	6.29694166	6.91379347	1914	4072	5774
4814	NM_004148	NINJ1	ninjurin 1	1.375304827	2.452581142	29.414122	40.51543	67.82795	5.23664058	5.68594093	6.50816492	1441	2648	4347
4070	NM_002353	TACSTD2	tumor associated calcium signal	-1.395774694	2.452485092	401.771912	288.159698	925.951538	9.66447595	9.18411138	10.95767006	31821	30461	95985
51066	NM_001256748,NM_001256749	SSUH2	ssu-2 homolog (C. elegans)	-1.131987215	2.452157674	0.720714	0.627201	1.692196	1.18495016	1.08728891	2.04513029	50	59	151
5641	NM_001008530,NM_005606	LGMN	legumain	2.022329361	2.450475476	21.730753	43.700817	49.895477	5.47670971	6.47630122	6.75052132	1709	4618	5151
11004	NM_001297655,NM_001297656	KIF2C	kinesin family member 2C	1.231730065	2.447891079	30.280726	37.357346	69.617258	6.42364978	6.7211793	7.70524285	3331	5482	10029
5150	NM_001242318,NM_002603	PDE7A	phosphodiesterase 7A	1.804541329	2.447763249	0.667878	1.210006	1.540975	2.41415945	3.14012691	3.53644652	170	410	512
2052	NM_000120,NM_001136018,NM	EPHX1	epoxide hydrolase 1	1.833937839	2.44724393	47.478487	87.597751	109.30988	6.31891475	7.18564101	7.59937662	3095	7584	9316
51669	NM_001284239,NM_016127	SARAF	store-operated calcium entry ass	1.402572392	2.447041414	29.913813	41.977327	68.640234	5.98824449	6.46979973	7.26581957	2453	4597	7383
415116	NM_001001852	PIM3	Pim-3 proto-oncogene, serine/thr	1.006044318	2.444210173	36.771893	37.035984	84.46125	6.42920394	6.43779748	7.70867468	3344	4495	10053
148229	NM_001178002,NM_138813,NR	ATP8B3	ATPase phospholipid transportin	-1.090265384	2.442917358	0.859265	0.789678	2.026938	2.43469539	2.33383942	3.5569002	173	212	520
4751	NM_001204182,NM_001204183	NEK2	NIMA related kinase 2	1.289713907	2.438759032	30.61305	39.387633	69.841009	6.00092376	6.36291929	7.27375735	2475	4265	7424
686	NM_000060,NM_001281723,NM	BTD	biotinidase	1.321359611	2.438477944	2.972957	3.881959	7.767283	2.82529613	3.17708507	3.98628107	239	422	717
25800	NM_001099406,NM_012319	SLC39A6	solute carrier family 39 member 6	1.522729685	2.4378641	10.018412	15.379635	23.265178	5.18302698	5.77602682	6.44509779	1387	2822	4159
55812	NM_001040428,NM_018418	SPATA7	spermatogenesis associated 7	1.90327583	2.437362221	1.167918	2.334828	2.677499	1.7191305	2.42372099	2.72069065	90	229	270
11320	NM_001160154,NM_012214	MGAT4A	mannosyl (alpha-1,3-)-glycoprote	-1.053382508	2.436208013	2.945769	2.667716	6.755154	4.55403551	4.48227194	5.80211118	883	1120	2646
3485	NM_000597,NM_001313990,NM	IGFBP2	insulin like growth factor binding	2.696924395	2.435653744	0.882616	2.269555	2.022304	1.11880553	2.05815489	1.94780992	46	166	138
817	NM_001221,NM_001321566,NM	CAMK2D	calcium/calmodulin dependent pr	-1.098883428	2.434355736	2.640285	2.401182	5.980873	3.88804577	3.76158491	5.1131673	542	659	1623
2796	NM_000825,NM_001083111	GNRH1	gonadotropin releasing hormone	-1.194984421	2.433682023	2.15567	1.927673	4.947406	2.46828542	2.2611178	3.5895311	178	199	533
1633	NM_000788	DCK	deoxycytidine kinase	1.266276046	2.432740145	6.615366	8.386816	15.124811	4.1526264	4.47610634	5.38676798	659	1115	1972
148268	NM_001300993,NM_001321991	ZNF570	zinc finger protein 570	-1.851133678	2.42979361	0.478895	0.253087	1.111317	1.86749926	1.28081328	2.89541791	104	75	311
2512	NM_000146	FTL	ferritin light chain	1.051687224	2.426924785	825.186829	868.812195	1881.990601	9.45284501	9.52544981	10.73076696	27474	38606	82009
80725	NM_025248	SRCIN1	SRC kinase signaling inhibitor 1	2.906533524	2.425450464	0.260704	0.765409	0.600218	1.48977343	2.64651142	2.43038515	71	276	212
153769	NM_152550	SH3RF2	SH3 domain containing ring finge	-1.67352376	2.425166267	6.08893	3.64513	13.887592	4.2524017	3.55948145	5.48543279	709	566	2115
652968	NM_001037666	CASTOR1	cytosolic arginine sensor for mTC	1.077233034	2.423054728	11.557882	12.469107	26.329782	4.26774435	4.36970972	5.50003047	717	1032	2137
57716	NM_020956,NM_181882	PRX	periaxin	-2.136495757	2.42209453	0.948448	0.440585	2.375328	2.60744196	1.75827411	3.73798383	200	125	596
102465466	NR_106835	MIR6777	microRNA 6777	-1.002067138	2.421446091	3.406538	3.425726	7.886159	0.29776659	0.29720487	0.64076093	9	12	27
2342	NM_002028	FNTB	farnesyltransferase, CAAX box, b	1.371731469	2.421049142	3.832123	5.258234	8.719518	3.52601466	3.94776294	4.72641971	413	757	1230
127262	NM_182752	TPRG1L	tumor protein p63 regulated 1 like	1.295419438	2.420873883	5.357295	6.95553	12.211884	3.7744826	4.12372395	4.98695254	498	862	1483
11127	NM_001300791,NM_001300792	KIF3A	kinesin family member 3A	2.032785473	2.419997732	2.687983	5.474961	6.115122	4.12340669	5.10430196	5.34914834	645	1752	1920
5106	NM_001018073,NM_001291556	PCK2	phosphoenolpyruvate carboxykin	1.134250245	2.415891307	31.2924	35.646505	66.382302	6.19548549	6.37489895	7.45649068	2838	4301	8433
7162	NM_001166392,NM_006670	TPBG	trophoblast glycoprotein	2.820049286	2.415550181	14.502735	40.301296	31.999603	5.54834575	7.02408587	6.80256961	1798	6775	5342
79885	NM_001136041,NM_001330636	HDAC11	histone deacetylase 11	1.630770581	2.412078582	1.461893	2.279356	3.193445	2.3142594	2.90334193	3.40441396	156	340	463
1365	NM_001306	CLDN3	claudin 3	-4.016230123	2.411455258	17.579782	4.372639	39.868568	4.5127793	2.68551066	5.74531961	857	285	2542
3304	NM_005346	HSPA1B	heat shock protein family A (Hsp	2.263411727	2.411255477	34.243717	77.60376	77.60318	6.40988621	7.57890919	7.66973449	3299	9977	9784
10112	NM_005733	KIF20A	kinesin family member 20A	1.062485787	2.410836179	25.359953	26.974216	57.455906	6.43813111	6.52459849	7.69792299	3365	4777	9978

11165	NM_006703	NUDT3	nudix hydrolase 3	-1.155498514	2.410372754	3.139913	2.723775	7.12723	3.05929974	2.87737723	4.22386645	288	333	854
4137	NM_001123066,NM_001123067	MAPT	microtubule associated protein ta	-1.322731272	2.410051026	0.812788	0.674591	2.075268	2.61345921	2.28388661	3.73798383	201	203	596
8705	NM_003782	B3GALT4	beta-1,3-galactosyltransferase 4	1.026588444	2.408974259	1.748018	1.799054	3.967932	1.9554003	1.98361768	2.98870613	113	155	335
109616977	NR_145743	SNORA9B	small nucleolar RNA, H/ACA box	1.926108085	2.407591447	0.873954	1.863717	2.151258	0.17294258	0.31941552	0.39027104	5	13	15
57732	NM_001172656,NM_001172657	ZFYVE28	zinc finger FYVE-type containing	1.459759885	2.407482626	0.716681	0.960606	1.420721	1.62696745	2.01797632	2.59272293	82	160	243
995	NM_001287582,NM_001287583	CDC25C	cell division cycle 25C	1.07802454	2.403480893	15.276108	16.519308	34.450374	5.04625766	5.15149273	6.28573352	1258	1812	3719
165679	NM_001040100,NM_001320679	SPTSSB	serine palmitoyltransferase small	-3.024326792	2.400558293	3.356097	1.096951	7.502835	3.10699502	1.81408935	4.26950586	299	132	883
23554	NM_012338	TSPAN12	tetraspanin 12	-1.698249361	2.400223343	1.953681	1.15431	4.41501	2.55837852	1.95552917	3.67153991	192	151	567
546	NM_000489,NM_138270	ATRX	ATRX, chromatin remodeler	1.726556502	2.400101284	4.32884	7.528491	9.863641	5.59394673	6.36925428	6.83956187	1857	4284	5482
100996741	NM_001348152	LOC100996741	uncharacterized LOC100996741	11.50674781	2.39991625	0.024753	0.36288	0.067056	0.13997292	1.1381576	0.32020933	4	63	12
767811	NR_003238,NR_003238_dup1	H2BFXP	H2B histone family member X, ps	3.124020912	2.39991625	0.088359	0.33389	0.241835	0.13997292	0.40498891	0.32020933	4	17	12
105370578	NR_133913	LINC01629	long intergenic non-protein codin	5.12858604	2.39991625	0.165986	0.940621	0.38843	0.13997292	0.61708849	0.32020933	4	28	12
9214	NM_001142473,NM_001193338	FCMR	Fc fragment of IgM receptor	4.035186879	2.39991625	0.033921	0.135865	0.074799	0.13997292	0.50527715	0.32020933	4	22	12
2202	NM_001039348,NM_001039349	EFEMP1	EGF containing fibulin like extrac	1.076997623	2.399429001	56.498021	60.991694	127.161709	7.40506809	7.51147614	8.66280044	6615	9519	19522
1654	NM_001193416,NM_001193417	DDX3X	DEAD-box helicase 3, X-linked	1.277102653	2.398041735	38.335666	49.409042	85.363464	7.35139777	7.70235932	8.60810961	6372	10873	18794
100507056	NR_108049	CCAT1	colon cancer associated transcrip	1.267838295	2.396993186	0.214955	0.271352	0.4795	0.66524311	0.80196545	1.26797492	23	39	68
170394	NM_001098637,NM_138499	PWWP2B	PWWP domain containing 2B	-1.178890827	2.391992914	5.761056	4.717401	12.63334	3.9199564	3.69943092	5.12177381	555	629	1633
7764	NM_006526	ZNF217	zinc finger protein 217	1.206172533	2.391012587	20.008305	24.161514	44.959496	6.79155982	7.05977443	8.04160698	4310	6946	12675
4133	NM_001039538,NM_002374,NM	MAP2	microtubule associated protein 2	1.878876378	2.388903118	0.256032	0.545042	0.798675	1.65056839	2.32837375	2.61239943	84	211	247
124935	NM_001284498,NM_001284499	SLC43A2	solute carrier family 43 member 2	1.317738517	2.387410231	0.350833	0.461417	0.787001	1.9554003	2.2611178	2.9773697	113	199	332
7504	NM_021083	XK	X-linked Kx blood group	-2.068428717	2.387324565	1.271194	0.616949	2.861833	2.90104285	2.04488597	4.03994054	254	164	746
109623452	NR_145780	SNORD159	small nucleolar RNA, C/D box 15	1.479755237	2.387308582	0.836273	1.447248	2.323954	0.10623215	0.15624221	0.24657076	3	6	9
100616468	NR_039896	MIR4742	microRNA 4742	1.720640609	2.387308582	0.868487	1.580002	2.072167	0.10623215	0.18071335	0.24657076	3	7	9
100847035	NR_049839	MIR548AR	microRNA 548ar	1.238869866	2.387308582	0.958838	1.433434	3.13521	0.10623215	0.13134883	0.24657076	3	5	9
728279	NM_033032	KRTAP2-2	keratin associated protein 2-2	-1.002019576	2.387308582	0.109724	0.094571	0.234789	0.10623215	0.10601836	0.24657076	3	4	9
649	NM_001199,NM_006129,NR_03	BMP1	bone morphogenetic protein 1	1.905816514	2.387026115	9.366627	17.996042	19.912735	4.98491804	5.89356976	6.21349118	1204	3066	3535
135250	NM_001243325,NM_001243327	RAET1E	retinoic acid early transcript 1E	1.269131835	2.385727271	1.069844	1.37954	2.551075	1.59082596	1.82964782	2.53718654	79	134	232
134429	NM_001308056,NM_001308057	STARD4	StAR related lipid transfer domai	-17.61700393	2.38527861	3.213009	0.158121	7.584121	3.82202563	0.80196545	5.01586734	516	39	1514
6812	NM_001032221,NM_003165	STXBP1	syntaxin binding protein 1	1.145013427	2.385133523	2.271319	2.601674	5.095618	3.24904328	3.42511354	4.41245104	334	511	980
27092	NM_014405	CACNG4	calcium voltage-gated channel au	-1.046200113	2.381510766	4.424075	4.239219	9.914278	3.9817352	3.92077761	5.17979929	581	742	1702
84419	NM_032413,NM_197955	C15orf48	chromosome 15 open reading fra	-4.066023722	2.380953804	80.98644	19.636571	180.925019	6.10174952	4.14097459	7.34108841	2657	873	7781
101927895	NR_135114,NR_135115	LOC101927895	uncharacterized LOC101927895	2.144096823	2.378676737	0.680998	1.468572	1.603658	0.49317359	0.90836632	0.98063768	16	46	47
50853	NM_015873	VILL	villin like	-1.694575402	2.377983164	21.605675	12.762531	48.283573	5.89807507	5.15381223	7.1337666	2302	1815	6733
4681	NM_001204084,NM_001204085	NBL1	neuroblastoma 1, DAN family BM	-1.191883052	2.37763809	26.824301	22.599961	60.124241	5.84855467	5.60009515	7.08354535	2223	2492	6501
284069	NM_198475	FAM171A2	family with sequence similarity 17	2.378699764	2.377214449	0.543833	1.296636	1.215296	1.26358189	2.11639955	2.11576522	55	175	161
10603	NM_020979	SH2B2	SH2B adaptor protein 2	-1.800902257	2.37606982	0.720011	0.395169	1.616992	1.24819466	0.81765451	2.09493548	54	40	158
4286	NM_000248,NM_001184967,NM	MITF	melanogenesis associated transc	1.241269545	2.375868746	1.196529	1.466659	2.56052	2.65489157	2.92160616	3.76460718	208	345	608
57763	NM_023039	ANKRA2	ankyrin repeat family A member 2	1.044714482	2.373681803	5.19247	5.433097	11.595355	3.60061161	3.65863507	4.77742372	437	610	1276
54863	NM_017723	TOR4A	torsin family 4 member A	1.407231746	2.372815464	11.596048	16.335867	25.86268	5.55304953	6.03701399	6.78181217	1804	3392	5265
64207	NM_024496	IRF2BPL	interferon regulatory factor 2 bind	1.602539386	2.372723224	4.095014	6.572566	9.135654	4.13600195	4.78526051	5.33441396	651	1394	1900
55897	NM_018670	MESP1	mesoderm posterior bHLH transc	-3.945433847	2.372312603	14.563998	3.691776	32.473049	4.12761734	2.37153003	5.32550055	647	219	1888
9867	NM_014819	PJA2	praja ring finger ubiquitin ligase 2	1.184891005	2.372241444	11.106739	13.179551	24.769325	5.74615826	5.9867238	6.9768214	2068	3274	6034
84955	NM_001128211,NM_032869	NUDCD1	NudC domain containing 1	1.717211957	2.371112259	9.815384	16.880878	21.880037	5.27795218	6.04244873	6.5019149	1484	3405	4328
79845	NM_024787	RNF122	ring finger protein 122	1.077579562	2.37103448	0.687959	0.751213	1.552359	1.18495016	1.24644988	2.00847214	50	72	146
85409	NM_001271082,NM_033120	NKD2	naked cuticle homolog 2	1.03614508	2.370699933	0.322089	0.372962	0.785379	0.73313634	0.75384785	1.30396013	36	38	76
117177	NM_133639	RHOV	ras homolog family member V	-1.205350905	2.370211993	6.354028	5.285965	14.175702	3.55238053	3.58823882	4.70398895	415	460	1210
60370	NM_021732	AVPI1	arginine vasopressin induced 1	-1.338262552	2.369507855	23.068825	17.260235	51.38612	5.01250255	4.60714063	6.23109848	1228	1226	3579
2354	NM_001114171,NM_006732	FOSB	FosB proto-oncogene, AP-1 trans	1.249792933	2.367162477	4.247346	5.347479	9.680674	4.05209571	4.35634461	5.24427765	612	1022	1782
79589	NM_024539,NM_194463	RNF128	ring finger protein 128, E3 ubiquit	1.653836168	2.366792936	6.5632	10.958404	14.692961	4.25432848	4.9500279	5.45306113	710	1569	2067
105373383	NR_131982	LOC105373383	uncharacterized LOC105373383	1.093099346	2.36484007	0.611088	0.656143	1.358533	0.41264541	0.44594451	0.83750224	13	19	38
414778	NR_052012	HCG17	HLA complex group 17 (non-prot	1.116422214	2.362762462	0.037572	0.05978	0.147781	0.07168335	0.08023518	0.16897038	2	3	6
151888	NM_001085357,NM_181780	BTLA	B and T lymphocyte associated	3.958108558	2.362762462	0.010953	0.061002	0.037241	0.07168335	0.27464693	0.16897038	2	11	6
101929302	NR_121586	RFX3-AS1	RFX3 antisense RNA 1	3.247686972	2.362762462	0.038477	0.147963	0.107194	0.07168335	0.2284445	0.16897038	2	9	6
10744	NM_006607	PTTG2	pituitary tumor-transforming 2	1.8268438	2.362762462	0.078246	0.137807	0.17935	0.07168335	0.13134883	0.16897038	2	5	6
653653	NR_027408	LOC653653	adaptor related protein complex	1.471633007	2.362762462	0.043096	0.050778	0.086668	0.07168335	0.10601836	0.16897038	2	4	6
1141	NM_000748	CHRNB2	cholinergic receptor nicotinic beta	5.023740936	2.362762462	0.00915	0.046465	0.020939	0.07168335	0.3412894	0.16897038	2	14	6
100131496	NR_024594	LOC100131496	uncharacterized LOC100131496	2.537265386	2.362762462	0.023223	0.052288	0.050684	0.07168335	0.18071335	0.16897038	2	7	6
5465	NM_001001928,NM_005036	PPARA	peroxisome proliferator activated	1.06441822	2.361234816	0.819901	0.87387	1.828168	0.17367098	0.25405394	0.4182457	315	448	915
11182	NM_001145099,NM_017585	SLC2A6	solute carrier family 2 member 6	-1.43526752	2.355284033	5.489528	3.946807	12.244881	3.87056622	3.39143785	5.04873431	535	498	1550
10802	NM_001252231,NM_021982	SEC24A	SEC24 homolog A, COPII coat c	1.385555459	2.354932694	4.147749	5.597653	9.269158	4.51920371	4.97210198	5.71833457	861	1594	2494
728752	NR_036504	LOC728752	uncharacterized LOC728752	-1.59991567	2.352792195	0.543874	0.339289	1.226331	0.8189953	0.56226574	1.4983075	30	25	87
1998	NM_001276457,NM_001276458	ELF2	E74 like ETS transcription factor	-1.229272847	2.352703138	3.345638	3.21982	8.686261	3.70291935	3.43022535	4.87228279	472	513	1366
25777	NM_001199579,NM_001199580	SUN2	Sad1 and UNC84 domain contair	1.755677594	2.351349238	26.106968	45.992768	57.773849	6.68559504	7.49159429	7.91102953	4002	9388	11574
6464	NM_001130040,NM_001130041	SHC1	SHC adaptor protein 1	-1.053518862	2.351195389	72.027102	68.741068	159.767149	7.92391081	7.8490117	9.15389692	9495	12042	27458
3691	NM_000213,NM_001005619,NM	ITGB4	integrin subunit beta 4	1.034223169	2.350938353	252.707014	261.769719	558.570826	10.45963889	10.50815261	11.69228845	55247	76343	159747
162073	NM_001034841,NR_028028	ITPRIPL2	inositol 1,4,5-trisphosphate recep	2.442046119	2.348840721	3.705986	9.144545	8.181258	4.84744471	6.10571785	6.0504089	1091	3560	3152
374354	NM_198514	NHLRC2	NHL repeat containing 2	1.500945903	2.346856005	1.446547	2.175424	3.194447	3.32434579	3.86146441	4.47020574	354	710	1022
10687	NM_007257	PNMA2	paraneoplastic Ma antigen 2	-1.009061485	2.34480319	2.144339	2.127781	4.734821	3.47735365	3.46550967	4.63077151	398	527	1148
6342	NM_001007098,NM_001007099	SCP2	sterol carrier protein 2	1.145104435	2.343843427	34.622163	41.676569	77.810364	5.74478835	5.93686357	6.95820045	2066	3161	5956
2896	NM_002087	GRN	granulin precursor	1.694562618	2.342968234	86.446899	146.662399	190.354446	7.63283166	8.39077035	8.85700854	7753	17554	22342
101927590	NR_120626,NR_120627	LINC01166	long intergenic non-protein codin	3.565035638	2.342793444	0.093843	0.334205	0.206023	0.3273552	0.93737891	0.6785857	10	48	29
407009	NR_029638	MIR224	microRNA 224	1.195404003	2.342793444	3.095479	3.716185	7.065892	0.3273552	0.38406669	0.6785857	10	16	29
100128076	NR_015444	LOC100128076	protein tyrosine phosphatase pse	-1.211902248	2.342793444	0.129769	0.102541	0.286019	0.3273552	0.27464693	0.6785857	10	11	29
150160	NM_014406	CCT8L2	chaperonin containing TCP1 sub	1.573107208	2.340580007	1.488402	2.342613	3.277025	1.9928118	2.50832973	2.99621456	117	246	337
56616	NM_001278302,NM_001278303	DIABLO	diablo IAP-binding mitochondrial	2.197363411	2.340237359	11.371395	24.82105	24.750188	4.66248513	5.76696418	5.85623592	955	2804	2749
11223	NM_001271733	MST1L	macrophage stimulating 1 like	11.32793706	2.339563006	0.143685	1.656451	0.317017	0.73313634	3.09255667	1.35230545	26	395	75
3418	NM_001289910,NM_001290114	IDH2	isocitrate dehydrogenase (NADP	-1.104550055	2.339049927	20.669975	18.746558	45.522409	5.22686128	5.08741362	6.43082346	1431	1731	4117
9476	NM_004851	NAPSA	napsin A aspartic peptidase	-1.144825127	2.338787302	0.701784	0.611391	1.551934	1.04948198	0.95186931	1.80975447	42	49	121
2799	NM_002076	GNS	glucosamine (N-acetyl)-6-sulfata	1.235085222	2.338362795	15.109279	18.683582	33.203209	6.2563582	6.557382	7.47104589	2962	4888	8519
8537	NM_001316361,NM_001323347	BCAS1	breast carcinoma amplified sequ	-5.288085077	2.336938594	4.609855	0.857921	10.366587	4.03874269	1.96964178	5.21239866	606	153	1742
375387	NM_198565	NRROS	negative regulator of reactive oxy	1.375511969	2.335597202	0.25466	0.35113	0.561076	0.71085839	0.90836632	1.31676564	25	46	72
54869	NM_017729,NM_133180	EPS8L1	EPS8 like 1	-1.480074508	2.332455343	58.239866	39.350815	127.795999	7.203421	6.64243014	8.41968362	5747	5188	16487
22849	NM_001178137,NM_014912	CPEB3	cytoplasmic polyadenylation elen	-1.895383268	2.331804246	0.511474	0.267601	1.128774	1.97422731	1.34717796	2.96976228	115	81	330
7430	NM_001111077,NM_003379	EZR	ezrin	1.16904023	2.331645459	229.197594	268.436569	502.367142	9.45378855	9.67881643	10.6739649	27492	42942	78841
23394	NM_001282531,NM_001282532	ADNP	activity dependent neuroprotecto	-1.576349785	2.329095966	4.31293	2.734807	9.421713	4.78483717	4.1580214	5.97451578	1043	884	2988
79446	NM_001161476,NM_001350947	WDR25	WD repeat domain 25	3.793563573	2.327715255	0.77257	3.71805	1.851635	1.43646263	2.90334193	2.3150407	67	340	192
81	NM_001322033,NM_004924	ACTN4	actinin alpha 4	1.042871848	2.326914143	176.429567	184.201508	385.841315	9.41415722	9.4746324	10.63137229	26746	37268	76546
100507472	NR_045387	LOC100507472	uncharacterized LOC100507472	2.045196461	2.326636056	0.291751	0.596249	0.637589	0.66524311	1.1381576	1.24294651	23	63	66
10512	NM_001350120,NM_001350121	SEMA3C	semaphorin 3C	-1.750189879	2.32234248	13.582973	7.738835	29.683537	6.11824215	5.32618529	7.32198275	2688	2052	7678
537	NM_001183	ATP6AP1	ATPase H+ transporting accesso	1.462618185	2.321702189	50.367798	73.764992	109.908173	6.70051131	7.24468238	7.90779849	4044	7903	11548
1543	NM_000499,NM_001319216,NM	CYP1A1	cytochrome P450 family 1 subfar	-1.829753099	2.321547593	0.21426	0.115798	0.460913	0.64188297	0.38406669	1.20457043	22	16	63
6781	NM_003155	STC1	stanniocalcin 1	4.816793908	2.318137601	0.685872	3.320056	1.495788	1.84721644	3.75752359	2.81278744	102	657	291
566	NM_001700	AZU1	azurocidin 1	-3.702500878	2.317726457	0.787599	0.212484	1.731118	0.77668602	0.25173066	1.40965954	28	10	80
9043	NM_001130527,NM_001130528	SPAG9	sperm associated antigen 9	1.115293329	2.316105413	17.772824	19.834843	38.339871	7.15215597	7.30853313	8.35809827	5545	8263	15796
10487	NM_001105530,NM_001330502	CAP1	adenylate cyclase associated pro	1.36422189	2.312198199	48.520983	66.532929	105.828963	7.04992836	7.49510488	8.25301901	5163	9411	14683
127544	NM_001127361,NM_001300826	RNF19B	ring finger protein 19B	-1.151295602	2.310749869	6.800792	5.932403	14.7467	4.24272901	4.05092325	5.40732977	704	817	2001
8455	NM_001207047,NM_001323332	ATRN	attractin	1.965816988	2.309241778	6.284496	12.780226	14.623505	5.50287791	6.4623334	6.69219736	1741	4573	4945
2355	NM_005253	FOSL2	FOS like 2, AP-1 transcription fac	3.556878757	2.30921051	5.092898	18.137663	11.050667	4.37789078	6.1578792	5.54551873	777	3693	2207
254251	NM_001166139,NM_153686,NR	LCORL	ligand dependent nuclear recepto	1.050347995	2.308570177	3.990284	4.259016	8.614538	4.45698495	4.52470876	5.62637054	823	1155	2337

5909	NM_001145657,NM_001145658	RAP1GAP	RAP1 GTPase activating protein	1.101535324	2.308147329	3.783947	4.102716	8.128441	3.72253824	3.85197241	4.86614925	479	705	1360
2734	NM_001145666,NM_001145667	GLG1	golgi glycoprotein 1	1.293747204	2.307703484	13.30833	16.711477	28.357006	6.80048832	7.16911045	7.99961433	4337	7497	12310
1999	NM_001114309,NM_004433	ELF3	E74 like ETS transcription factor	-1.356801761	2.307146656	80.946028	59.62196	175.542236	7.95578656	7.51764283	9.15860968	9708	9560	27548
57546	NM_001329928,NM_001329929	PDP2	pyruvate dehyrogenase phospha	1.031668369	2.306584234	3.186353	3.279515	6.934105	4.53672473	4.5798	5.70694011	872	1202	2474
10252	NM_001258038,NM_001258039	SPRY1	sprouty RTK signaling antagonist	1.055356204	2.305812267	5.484337	5.582506	11.736779	3.76640418	3.83857782	4.91053445	495	698	1404
64343	NM_001134432,NM_001134433	AZI2	5-azacytidine induced 2	2.667685494	2.302897336	5.056504	11.143815	8.757118	3.40634723	4.7345082	4.53091599	377	1344	1068
3554	NM_000877,NM_001288706,NM	IL1R1	interleukin 1 receptor type 1	1.894086575	2.302485315	0.628181	1.199787	1.410862	2.07360076	2.82400243	3.06922486	126	319	357
552860	NR_038210	SAMD12-AS1	SAMD12 antisense RNA 1	-1.329394012	2.302147594	0.26087	0.182724	0.55334	0.23670415	0.18071335	0.49997203	7	7	20
693144	NR_030286	MIR559	microRNA 559	-1.329394012	2.302147594	1.729515	1.233188	4.143607	0.23670415	0.18071335	0.49997203	7	7	20
48	NM_001278352,NM_002197	ACO1	aconitase 1	-1.07963508	2.301946208	6.38326	6.038492	14.09376	4.55559896	4.44991916	5.72343286	884	1094	2503
9522	NM_001290229,NM_004866,NR	SCAMP1	secretory carrier membrane prote	1.358897053	2.300891874	6.396938	8.70144	13.834629	5.32087437	5.75377238	6.50257408	1530	2778	4330
728730	NR_037875	LOC728730	uncharacterized LOC728730	-1.483988918	2.300437993	1.346773	0.903912	2.917958	2.10810423	1.69172362	3.10785943	130	117	368
51167	NM_016230	CYB5R4	cytochrome b5 reductase 4	1.473460268	2.300098921	2.253047	3.331801	4.883603	2.57080169	3.05002095	3.62870475	194	382	549
81543	NM_030891	LRRC3	leucine rich repeat containing 3	-1.160704849	2.299712821	0.469579	0.40442	1.019535	1.88750088	1.73367602	2.85055786	106	122	300
55733	NM_001122834,NM_001170564	HHAT	hedgehog acyltransferase	-1.561440816	2.298722829	2.623588	1.719796	5.606104	3.34619087	2.78063431	4.46480383	360	308	1018
340277	NM_001127364,NM_001127365	FAM221A	family with sequence similarity 22	-1.820461479	2.298386238	1.886363	1.007688	4.23355	1.87753473	1.30327576	2.83807727	105	77	297
378707	NR_145670	RN7SL3	RNA, 7SL, cytoplasmic 3	1.792200191	2.296465521	5.019464	9.047151	10.928738	1.30878272	1.86782539	2.1362985	58	139	164
200942	NM_173546	KLHDC8B	kelch domain containing 8B	1.545985479	2.296286183	0.98338	1.525423	2.12689	1.54118428	1.98361768	2.43038515	75	155	212
97	NM_001107,NM_001302616,NM	ACYP1	acylphosphatase 1	1.647813395	2.295846942	20.764806	35.404825	47.89098	3.88307318	4.56477126	5.0259897	540	1189	1525
283673	NR_026949	EWSAT1	Ewing sarcoma associated transc	3.601963778	2.29557489	0.17903	0.670337	0.402398	0.54446555	1.41062362	1.03996283	18	87	51
1305	NM_001130103,NM_001320951	COL13A1	collagen type XIII alpha 1 chain	1.002731059	2.295545619	9.973173	10.013541	21.637124	4.90744794	4.91125208	6.07897551	1139	1526	3216
677	NM_001244698,NM_001244701	ZFP36L1	ZFP36 ring finger protein like 1	1.34541241	2.294896233	34.420251	46.015633	72.043044	6.98294965	7.40807509	8.17494733	4927	8857	13907
55088	NM_001321829,NM_018017,NM	CCDC186	coiled-coil domain containing 186	-1.155156109	2.294764757	2.476707	1.696146	5.023561	3.9817352	3.78770843	5.12776797	581	672	1640
100996259	NM_001348161	FAM106B	family with sequence similarity 10	6.181420607	2.294073046	0.017366	0.107546	0.028891	0.03628685	0.2284445	0.08695753	1	9	3
102466190	NR_106779	MIR6721	microRNA 6721	1.448836667	2.294073046	0.02048	0.38914	0.552976	0.03628685	0.05398282	0.08695753	1	2	3
100847010	NR_049844	MIR5581	microRNA 5581	2.801003507	2.294073046	0.388534	1.077119	0.728945	0.03628685	0.10601836	0.08695753	1	4	3
102466192	NR_106808	MIR6750	microRNA 6750	2.801003507	2.294073046	0.117423	0.869458	0.593711	0.03628685	0.10601836	0.08695753	1	4	3
100302128	NR_031632	MIR1302-3	microRNA 1302-3	2.801003507	2.294073046	0.127634	0.441592	0.372862	0.03628685	0.10601836	0.08695753	1	4	3
100616341	NR_039636,NR_039636_dup1	MIR4435-2	microRNA 4435-2	-1.294074149	2.294073046	0.164216	0.073253	0.720295	0.03628685	0.02724389	0.08695753	1	1	3
100616493	NR_039643	MIR4441	microRNA 4441	1.448836667	2.294073046	0.189086	0.33381	0.469032	0.03628685	0.05398282	0.08695753	1	2	3
102465534	NR_106946	MIR6886	microRNA 6886	2.124920087	2.294073046	0.2845	0.779483	0.859745	0.03628685	0.08023518	0.08695753	1	3	3
406888	NR_029483	MIRLET7F1	microRNA let-7f-1	2.124920087	2.294073046	0.238182	0.452843	0.543666	0.03628685	0.08023518	0.08695753	1	3	3
677882	NR_003022_chr1,NR_003022_c	SNORA59B	small nucleolar RNA, H/ACA box	1.448836667	2.294073046	0.147173	0.161409	0.376126	0.03628685	0.05398282	0.08695753	1	2	3
100847073	NR_049813	MIR5090	microRNA 5090	-1.294074149	2.294073046	0.20798	0.010149	0.602309	0.03628685	0.02724389	0.08695753	1	1	3
57731	NM_020971,NM_025213	SPTBN4	spectrin beta, non-erythrocytic 4	-1.047049217	2.293969174	0.1123	0.081385	0.187333	0.79797761	0.77006602	1.43197761	29	37	82
101410533	NR_102684	YTHDF3-AS1	YTHDF3 antisense RNA 1 (head	1.175440748	2.288804726	0.987749	1.193645	2.189894	0.77668602	0.8787583	1.39836968	28	44	79
347733	NM_178012	TUBB2B	tubulin beta 2B class IIb	1.328131768	2.288142003	4.197891	5.577896	9.028262	3.2098649	3.58032478	4.31374565	324	575	912
6782	NM_006948	HSPA13	heat shock protein family A (Hsp7	1.353176036	2.287205258	10.116955	13.708316	21.751474	5.33186457	5.75886043	6.50520776	1542	2788	4338
103689912	NR_125749,NR_125750,NR_12	TBX2-AS1	TBX2 antisense RNA 1	-1.95058483	2.284778109	0.644132	0.345151	1.490396	0.64188297	0.36283659	1.19154816	22	15	62
56132	NM_018937	PCDHB3	protocadherin beta 3	1.853842007	2.283259308	0.195005	0.365057	0.418932	0.7550755	1.18729361	1.36396013	27	67	76
29956	NM_022075,NM_181746	CERS2	ceramide synthase 2	1.330886162	2.282448758	11.802901	15.685452	25.289701	4.89885139	5.29919828	6.06208239	1132	2013	3178
538	NM_000052,NM_001282224,NR	ATP7A	ATPase copper transporting alph	1.238198205	2.280679243	1.337766	1.659551	2.905186	3.60061161	3.88585523	4.72189817	437	723	1226
219699	NM_001244889,NM_170744	UNC5B	unc-5 netrin receptor B	-2.167824899	2.280293125	1.827255	0.842905	3.919841	3.73086534	2.73592201	4.85793043	482	297	1352
728377	NR_033942	ARHGEF34P	Rho guanine nucleotide exchang	-1.043475651	2.279878016	3.369799	3.233381	7.224296	3.88804577	3.83086756	5.02139743	542	694	1520
102465449	NR_106809	MIR6751	microRNA 6751	1.488162123	2.279732242	2.179079	3.644305	5.233451	0.20517559	0.2972487	0.43515728	6	12	17
677778	NR_003911	SCARNA15	small Cajal body-specific RNA 15	3.326460675	2.279732242	1.201293	4.084754	5.28833	0.20517559	0.59904473	0.43515728	6	27	17
101926975	NR_110558	LINC01844	long intergenic non-protein codin	1.120502413	2.279732242	0.070326	0.079039	0.144197	0.20517559	0.2284445	0.43515728	6	9	17
84532	NM_001252675,NM_001252676	ACSS1	acyl-CoA synthetase short-chain	2.278686065	2.279731036	0.792032	1.748682	1.665313	1.90722898	2.86232771	2.86293141	108	329	303
5794	NM_001161440,NM_002842	PTPRH	protein tyrosine phosphatase, rec	-1.741085793	2.279339696	6.234061	3.592686	13.498656	4.63612739	3.87839419	5.79190132	937	719	2627
55671	NM_001284280,NM_001284281	PPP4R3A	protein phosphatase 4 regulatory	2.337985787	2.278544229	12.894401	29.678423	27.530087	5.8357435	7.04652047	7.00965244	2203	6882	6174
85013	NM_001297551,NM_001297552	TMEM128	transmembrane protein 128	1.897383828	2.278237249	14.508133	29.590852	33.084396	4.38142134	5.27240856	5.53008379	779	1975	2183
92370	NM_001037172,NM_001282728	PXYLP1	2-phosphoxylose phosphatase 1	-1.364392127	2.276600533	2.555662	1.907835	5.718045	3.25675288	2.86232771	4.3566691	336	329	941
9723	NM_001178129,NM_012431	SEMA3E	semaphorin 3E	-1.749593007	2.274734708	0.663318	0.380885	1.426181	2.40724866	1.79043244	3.43235848	169	129	473
57337	NM_001077203,NM_001282801	SENP7	SUMO1/sentrin specific peptidas	1.354926252	2.270510158	2.173108	3.152811	4.751038	3.48721804	3.8914258	4.5966027	401	726	1120
100507475	NR_046452	IDH1-AS1	IDH1 antisense RNA 1	1.717559751	2.269426702	1.055081	1.833637	2.27045	0.59399636	0.90836632	1.11084509	20	46	56
1953	NM_001409	MEGF6	multiple EGF like domains 6	-9.626120046	2.268435717	13.885064	1.441346	29.603302	6.66654934	3.51686905	7.8403068	3949	548	11018
5532	NM_001142353,NM_001142354	PPP3CB	protein phosphatase 3 catalytic s	1.102346915	2.264578321	3.681753	3.702679	7.005354	3.50351028	3.63226192	4.61012283	406	598	1131
51741	NM_001291997,NM_016373,NM	WWOX	WW domain containing oxidored	1.505923285	2.26386205	2.906967	4.046407	5.943429	2.84076697	3.36231592	3.90285244	242	487	674
1495	NM_001290307,NM_001290309	CTNNA1	catenin alpha 1	1.411959449	2.263098592	79.363031	112.117715	168.652601	8.19639019	8.69265706	9.37194983	11477	21652	31946
10207	NM_001350145,NM_176877	PATJ	PATJ, crumbs cell polarity compl	1.009721445	2.262846871	4.129047	4.172221	8.777784	5.14718204	5.16074844	6.30248582	1352	1824	3763
6372	NM_002993	CXCL6	C-X-C motif chemokine ligand 6	1.935913089	2.262389767	0.153165	0.303923	0.336997	0.3275552	0.5867243	0.65979727	10	26	28
80108	NM_030613	ZFP2	ZFP2 zinc finger protein	1.047302025	2.262389767	0.107641	0.110626	0.222356	0.3273552	0.3412894	0.65979727	10	14	28
9821	NM_001083617,NM_014781	RB1CC1	RB1 inducible coiled-coil 1	1.790538981	2.260205561	5.619879	10.078603	11.941376	5.2278422	6.05118491	6.38273213	1432	3426	3981
6619	NM_001039697	SNAPC3	small nuclear RNA activating com	1.028507525	2.257993704	4.062218	4.18485	8.62198	3.72809498	3.76563483	4.84135097	481	661	1336
165215	NM_177454	FAM171B	family with sequence similarity 17	-1.130499829	2.257145732	1.777164	1.575601	3.774197	2.84076697	2.68977954	3.8988521	242	286	672
1777	NM_001375	DNASE2	deoxyribonuclease 2, lysosomal	1.205446844	2.25707981	15.651706	18.891138	33.212921	4.98259535	5.2443866	6.13148574	1202	1936	3337
4804	NM_002507	NGFR	nerve growth factor receptor	1.170668524	2.256278925	0.169501	0.203155	0.371445	0.66524311	0.75384785	1.21747621	23	36	64
83862	NM_001317803,NM_031925	TMEM120A	transmembrane protein 120A	-1.167576041	2.25560259	7.053211	6.0455	14.988245	3.46742135	3.26553914	4.56665693	395	452	1096
83648	NM_053279	FAM167A	family with sequence similarity 16	1.777761198	2.255347218	0.286994	0.511528	0.608942	1.10178443	1.60397149	1.84344662	45	107	125
10653	NM_001166103,NM_021102	SPINT2	serine peptidase inhibitor, Kunitz	1.389429675	2.255139449	399.969887	555.452896	845.966261	9.45032586	9.92424213	10.62239755	27426	50915	76071
119369	NR_002779	NUDT9P1	nudix hydrolase 9 pseudogene 1	-2.638770474	2.254878549	0.340072	0.112625	0.70819	0.43999062	0.18071335	0.85412573	14	7	39
283174	NR_024344	MIR4697HG	MIR4697 host gene	-1.269041462	2.254700133	0.654293	0.515084	1.389681	2.13345087	1.87534115	3.11132089	133	140	369
158055	NM_152571	C9orf163	chromosome 9 open reading fram	1.700813432	2.252705209	0.40449	0.690465	0.859608	1.01352966	1.45142181	1.72191206	40	91	111
10611	NM_001011513,NM_001011515	PDLIM5	PDZ and LIM domain 5	1.257564468	2.252542751	20.145387	26.270179	41.139421	6.74298487	7.07086352	7.90705184	4166	7000	11542
128077	NM_153713	LIX1L	limb and CNS expressed 1 like	1.118375816	2.251088958	1.159801	1.299792	2.460749	2.46828542	2.6019054	3.48667429	178	266	493
924	NM_006137	CD7	CD7 molecule	-3.316645489	2.249310751	0.710398	0.206068	1.504921	0.91952222	0.3412894	1.58918956	35	14	97
734	NM_001126111,NM_004337	OSGIN2	oxidative stress induced growth i	1.096550539	2.248707534	6.156093	6.823412	13.069024	4.73188879	4.86098588	5.87066506	1004	1471	2777
100506207	NR_038979,NR_038980	LOC100506207	uncharacterized LOC100506207	3.098510292	2.248547381	0.055216	0.221184	0.115785	0.17294258	0.48576948	0.36729312	5	21	14
56128	NM_019120	PCDHB8	protocadherin beta 8	6.32261636	2.248547381	0.038759	0.309607	0.10202	0.17294258	0.86372326	0.36729312	5	43	14
103695432	NR_125763	LINC01167	long intergenic non-protein codin	1.486457258	2.248547381	0.207123	0.321432	0.439137	0.17294258	0.25173066	0.36729312	5	10	14
57104	NM_020376	PNPLA2	patatin like phospholipase domai	-1.235180831	2.243748353	37.720596	30.573162	79.545441	6.49423763	6.19326394	7.65127561	3500	3786	9659
117247	NM_018593	SLC16A10	solute carrier family 16 member 1	-3.871506245	2.242991084	0.078934	0.016519	0.172575	0.29776659	0.08023518	0.60191771	9	3	25
6185	NM_001135771,NM_001324299	RPN2	ribophorin II	1.371270866	2.240213825	107.772006	147.952611	226.775085	8.04878255	8.50282431	9.20940829	10357	18976	28537
51604	NM_001184728,NM_001184729	PIGT	phosphatidylinositol glycan ancho	1.507140384	2.240068333	30.198361	45.626878	63.352234	6.04054113	6.62498118	7.19193432	2545	5125	7012
677885	NR_003025_chr1,NR_003025_c	SNORA59A	small nucleolar RNA, H/ACA box	-1.739107596	2.239671283	2.909122	1.624851	6.0616	0.5190475	0.31941552	0.98063768	17	13	47
150094	NM_173354	SIK1	salt inducible kinase 1	1.230535623	2.239262131	8.467906	10.434044	17.826912	5.31719229	5.60970201	6.46010721	1526	2509	4203
255057	NM_152769	CBARP	CACN beta subunit associated re	1.298013507	2.237542968	1.650327	2.141453	3.472884	2.3579234	2.66830768	3.35562963	162	281	446
26112	NM_015621	CCDC69	coiled-coil domain containing 69	-2.787900316	2.234385766	0.706593	0.250659	1.483113	1.74129091	0.8787583	2.64141996	92	44	253
6041	NM_021133	RNASEL	ribonuclease L	-1.14460693	2.233366099	3.315997	2.898776	6.963281	3.8780834	3.69731229	4.98223411	538	628	1478
25886	NM_001161580,NM_001161581	POC1A	POC1 centriolar protein A	1.563831207	2.233235793	5.35824	8.28621	11.060143	3.59454042	4.19603101	4.6863673	435	909	1195
100505715	NR_038334	LOC100505715	uncharacterized LOC100505715	-1.036911713	2.233231164	0.613331	0.5906	1.301443	1.21691895	1.18729361	1.98602166	52	67	143
340554	NM_001010888	ZC3H12B	zinc finger CCCH-type containing	1.588229712	2.231113259	0.409188	0.65356	0.860864	1.96484452	2.48886356	2.90342651	114	242	313
9569	NM_001199207,NM_005685,NM	GTF2IRD1	GTF2I repeat domain containing	-1.441674184	2.228827003	13.603517	9.445896	28.490737	5.53017117	5.01611219	6.66918965	1775	1645	4866
1317	NM_001859	SLC31A1	solute carrier family 31 member 1	1.362816338	2.228034243	6.327918	8.635586	13.250453	4.92811449	5.36206908	6.05780375	1156	2105	3168
1452	NM_001025105,NM_001271741	CSNK1A1	casein kinase 1 alpha 1	1.217150782	2.226597818	30.720924	37.225549	63.523843	6.24864648	6.52877463	7.39302736	2946	4791	8068
100532724	NR_037804	NPHP3-ACAD11	NPHP3-ACAD11 readthrough (N	-1.012187504	2.22501273	0.167417	0.16494	0.351578	1.18495016	1.1751656	1.9400446	50	66	137
84861	NM_032775,NR_033825	KLHL22	kelch like family member 22	3.114475307	2.224927063	6.819451	21.290719	14.214562	4.19537543	5.78003646	5.30524173	680	2830	1861
56172	NM_054027	ANKH	ANKH inorganic pyrophosphate t	-2.426664136	2.223295366	0.443624	0.181944	0.931596	2.19091668	1.30327576	3.15892909	140	77	383
54436	NM_001318480,NM_018986,NR	SH3TC1	SH3 domain and tetratricopeptide	1.081034921	2.22314295	1.423227	1.508644	2.914436	2.7991369	2.89597101	3.83329054	234	338	640

7763	NM_001102420,NM_001102421	ZFAND5	zinc finger AN1-type containing 5	-1.275776183	2.222279302	18.772141	14.812966	39.010544	6.72085965	6.37324105	7.86537915	4102	4296	11212
4856	NM_002514	NOV	nephroblastoma overexpressed	2.20072928	2.221801643	1.540114	3.406505	3.233263	2.29940604	3.26839621	3.28075123	154	453	421
10804	NM_001110219,NM_001110220	GJB6	gap junction protein beta 6	3.813032801	2.221587912	0.462851	1.775738	0.983957	0.97665845	2.23214197	1.65707652	38	194	104
374879	NM_198535	ZNF699	zinc finger protein 699	1.224990929	2.220776911	0.615407	0.757883	1.292131	2.32162912	2.5605457	3.30513776	157	257	429
100507602	NR_102759,NR_102760,NR_10	TRIM52-AS1	TRIM52 antisense RNA 1 (head	1.276084237	2.22014986	2.745464	3.490688	5.935374	1.94589385	2.21447295	2.87519973	112	191	306
100996307	NR_073179,NR_073180	LIPE-AS1	LIPE antisense RNA 1	1.213351997	2.218809755	0.073925	0.102958	0.155917	0.26755841	0.31941552	0.54161868	8	13	22
192217	NR_132962	OXCT2P1	3-oxoacid CoA-transferase 2 pse	-2.106162822	2.218809755	0.113717	0.043463	0.242333	0.26755841	0.13134883	0.54161868	8	5	22
5097	NM_001278613,NM_001278615	PCDH1	protocadherin 1	1.221093853	2.218280942	33.896563	41.211223	70.752076	7.0122804	7.29843513	8.1555894	5029	8205	13721
339192	NR_147507	LOC339192	uncharacterized LOC339192	-1.152929914	2.218005019	0.58793	0.510943	1.228134	0.56944351	0.50527715	1.05442063	19	22	52
4303	NM_001170931,NM_005938	FOXO4	forkhead box O4	1.265617825	2.214513467	1.194223	1.491838	2.418526	2.26158951	2.53704518	3.23388481	149	252	406
29948	NM_182981	OSGIN1	oxidative stress induced growth i	-1.038197912	2.213753422	10.848771	10.462567	22.57757	4.42654937	4.37502129	5.53589126	805	1036	2192
9322	NM_001288962,NM_001288963	TRIP10	thyroid hormone receptor interac	1.026719747	2.21216274	107.42177	110.200898	224.092444	7.75829681	7.7961663	8.90010894	8461	11607	23021
29967	NM_001135703,NM_013437	LRP12	LDL receptor related protein 12	1.421973547	2.211903012	5.482873	7.806313	11.47191	4.53355487	5.02289554	5.6444023	870	1653	2367
57515	NM_020755	SERINC1	serine incorporator 1	1.301606064	2.211219385	27.774908	36.196171	57.719433	6.45288807	6.8293702	7.58870688	3400	5913	9247
890	NM_001237	CCNA2	cyclin A2	1.147736277	2.211213315	18.915152	21.740004	39.314045	5.74957736	5.9449222	6.87969443	2073	3179	5638
9650	NM_001145838,NM_001145839	MTFR1	mitochondrial fission regulator 1	-1.280849429	2.21112532	10.331165	7.309867	19.499032	4.68979447	4.3482657	5.80371668	974	1016	2649
954	NM_001246,NM_203468	ENTPD2	ectonucleoside triphosphate diph	1.389303688	2.208788244	2.862569	3.985385	5.964683	2.77786255	3.19220918	3.80150191	230	427	625
54541	NM_019058	DDIT4	DNA damage inducible transcript	1.365919796	2.208060602	113.363014	155.009567	235.22435	7.60025137	8.04813647	8.73896934	7579	13832	20583
8780	NM_001348193,NM_003831,NR	RIOK3	RIO kinase 3	-1.178232418	2.20673438	29.431458	24.99469	61.023468	6.71911675	6.48492454	7.85354347	4097	4646	11120
7048	NM_001024847,NM_003242	TGFBR2	transforming growth factor beta r	1.529330635	2.20616261	8.715946	13.349001	18.018125	5.33277665	5.93326746	6.45466729	1543	3153	4187
975	NM_001297649,NM_004356	CD81	CD81 molecule	1.992038689	2.204900238	61.504265	122.703144	127.762979	6.5023672	7.48868777	7.63438306	3520	9369	9546
2051	NM_001280794,NM_001280795	EPHB6	EPH receptor B6	1.490093624	2.203705267	5.345094	8.210264	11.910012	4.38494329	4.93751728	5.48676597	781	1555	2117
55246	NM_001304529,NM_001304530	CCDC25	coiled-coil domain containing 25	1.113961007	2.203582576	3.174161	3.534404	6.440683	3.58538547	3.72876963	4.6582457	432	643	1171
51014	NM_181836	TMED7	transmembrane p24 trafficking pr	1.439958167	2.203029649	22.524025	32.474224	46.64225	6.49382995	7.0149709	7.62457574	3499	6732	9481
112770	NM_001256604,NM_001256605	GLMP	glycosylated lysosomal membran	1.012929911	2.20254677	6.813532	6.545599	13.725799	3.42357323	3.44039495	4.48762353	382	517	1035
8898	NM_001243571,NM_016156,NM	MTMR2	myotubularin related protein 2	-1.037887164	2.20227107	4.437932	4.286334	9.230173	4.40068652	4.34961533	5.50200967	790	1017	2140
100505826	NR_038341	STK4-AS1	STK4 antisense RNA 1 (head to	-1.324521912	2.202195194	0.049454	0.037054	0.094463	0.13997292	0.10601836	0.29607837	4	4	11
102466722	NR_106788_chr1,NR_106788_c	MIR6730	microRNA 6730	2.759554525	2.202195194	1.407227	4.191451	3.122151	0.13997292	0.36283659	0.29607837	4	15	11
54814	NM_001163377,NM_017659	QPCTL	glutaminyl-peptide cyclotransfera	-1.246867022	2.201223876	7.269444	5.838975	15.247675	4.11918371	3.82117143	5.21159259	643	689	1741
284358	NM_001130915,NM_001297753	MAMSTR	MEF2 activating motif and SAP d	1.068841258	2.200443747	0.277188	0.289437	0.575992	0.61813834	0.65251278	1.12461302	21	30	57
100505648	NR_040058	RAD51-AS1	RAD51 antisense RNA 1 (head to	2.163244862	2.20025774	0.862191	1.884498	1.803975	0.97665845	1.63086207	1.64757178	38	110	103
16	NM_001605	AARS	alanyl-tRNA synthetase	1.305593324	2.200153418	79.097725	103.388916	163.542465	8.01423461	8.39763704	9.14880032	10111	17638	27361
47	NM_001096,NM_001303274,NM	ACLY	ATP citrate lyase	1.173244824	2.198158508	37.027413	43.589231	76.54301	7.30311857	7.53227678	8.4344403	6161	9658	16657
5768	NM_001004128,NM_002826	QSOX1	quiescin sulfhydryl oxidase 1	1.608725349	2.197030294	37.011713	59.072559	74.299408	6.75051272	7.43136571	7.87876967	4188	9002	11317
8497	NM_001304331,NM_001304332	PPFIA4	PTPRF interacting protein alpha	6.303865869	2.196592552	0.323635	2.064625	0.672762	1.61502061	3.80944938	2.46867149	81	683	219
84278	NR_002894	MFSD14C	major facilitator superfamily dom	1.545574634	2.196443822	3.022869	4.682123	6.246301	1.73025772	2.19658485	2.6075054	91	188	246
54521	NM_001184965,NM_001184966	WDR44	WD repeat domain 44	1.100537816	2.195890129	3.45645	3.766566	7.088053	3.88804577	4.01734947	4.9689398	542	797	1464
4008	NM_001306080,NM_001330583	LMO7	LIM domain 7	-1.979085665	2.194573278	9.795796	5.039391	20.429096	6.09799915	5.13358491	7.22046225	2650	1789	7153
26260	NM_012173,NM_183420,NM_18	FBXO25	F-box protein 25	1.335659623	2.192569297	1.838016	2.476043	3.866393	2.4278825	2.77662633	3.4072329	172	307	464
641649	NM_001042595,NM_001098821	TMEM91	transmembrane protein 91	1.29972489	2.191128233	4.711182	6.079482	9.122879	2.42103729	2.73592201	3.39875952	171	297	461
29785	NM_030622	CYP2S1	cytochrome P450 family 2 subfar	-1.180643167	2.19098587	4.307412	3.659772	8.886129	3.58844358	3.37031674	4.65350501	433	490	1167
5372	NM_002676	PMM1	phosphomannomutase 1	1.138129437	2.190131767	5.398574	6.150134	11.110059	2.9541672	3.118121251	3.98061446	265	403	714
3487	NM_001552	IGFBP4	insulin like growth factor binding	1.305785045	2.188016778	30.383713	39.712208	62.475235	6.06928257	6.44917363	7.18722684	2597	4531	6989
10044	NM_001142531,NM_001142532	SH2D3C	SH2 domain containing 3C	1.278768709	2.187828383	0.056441	0.07064	0.120286	0.23670415	0.29720487	0.47868902	7	12	19
101927151	NR_110687,NR_110688,NR_11	LOC101927151	uncharacterized LOC101927151	-1.157672113	2.186935994	0.928493	0.726507	2.083286	1.40904982	1.28081328	2.20918158	65	75	175
9139	NM_001032999,NM_001039709	CBFA2T2	CBFA2/RUNX1 translocation par	1.195533015	2.186323035	4.104289	4.937142	8.479029	4.92690697	5.17680441	6.02952154	1155	1845	3106
114780	NM_001076780,NM_001278423	PKD1L2	polycystin 1 like 2 (gene/pseudog	-1.236156162	2.1846609	9.269351	10.00396	27.44598	5.88942231	5.58928181	7.00361147	2288	2473	6148
5921	NM_002890,NM_022650	RASA1	RAS p21 protein activator 1	1.008710282	2.183991139	126.737057	128.082846	260.771108	9.07856811	9.091057	10.20409192	21187	28555	56912
57534	NM_020774	MIB1	mindbomb E3 ubiquitin protein lig	1.099913854	2.182637781	5.849258	6.4435	12.001291	5.79462825	5.92966236	6.90658965	2140	3145	5745
255809	NM_001136482	C19orf38	chromosome 19 open reading fra	2.824525752	2.181986089	0.230759	0.671019	0.4902	0.3273552	0.7861039	0.64076093	10	38	27
9722	NM_001126060,NM_001164757	NOS1AP	nitric oxide synthase 1 adaptor pr	1.368003251	2.181729786	0.344752	0.48702	0.742884	1.47662927	1.78245981	2.29082241	70	128	188
5595	NM_001040056,NM_001109891	MAPK3	mitogen-activated protein kinase	1.243618732	2.18102504	14.087057	17.461792	28.622684	4.72495781	5.02880493	5.82020306	999	1660	2680
54014	NM_001007246,NM_018963,NM	BRWD1	bromodomain and WD repeat do	-1.052787599	2.179197844	7.972461	7.350647	15.091384	6.23992124	6.16671138	7.35338191	2928	3716	7848
80344	NM_001163484,NM_025230,NM	DCAF11	DDB1 and CUL4 associated fact	-1.005587427	2.177988409	9.631349	9.714208	20.87832	5.36790544	5.36006158	6.47193601	1582	2102	4238
3337	NM_001300914,NM_001313964	DNAJB1	DnaJ heat shock protein family (H	-1.031854021	2.176094355	52.412345	50.917798	107.272411	6.95122956	6.90636099	8.06667393	4819	6240	12898
3728	NM_002230,NM_021991	JUP	junction plakoglobin	-1.082378348	2.175786918	86.938061	79.971035	177.125229	8.158181	8.04439095	9.27699433	11176	13796	29908
79412	NM_001253725,NM_001253726	KREMEN2	kringle containing transmembran	2.065354921	2.175460909	2.119779	4.593775	4.377247	2.39332696	3.29105133	3.35854542	167	461	447
51056	NM_015907	LAP3	leucine aminopeptidase 3	1.201322024	2.175263983	11.129478	13.391391	22.765686	4.57114104	4.82558505	5.6592585	894	1435	2392
85453	NM_033512	TSPYL5	TSPY like 5	13.51301208	2.174469657	0.12896	1.749506	0.262334	0.64188297	3.10539622	1.15176086	22	399	59
137695	NM_001286657,NM_001286660	TMEM68	transmembrane protein 68	1.165146911	2.173779981	9.431454	10.984021	19.257432	4.56339093	4.77525187	5.65036315	889	1384	2377
24149	NM_014345	ZNF318	zinc finger protein 318	-1.556859356	2.173746517	2.763565	5.646161	1.776036	4.49496323	3.8914258	5.58027977	846	726	2262
106635534	NR_132784	SNORA104	small nucleolar RNA, H/ACA box	1.576856794	2.172157854	82.602257	130.38797	168.549103	3.60965736	4.21984192	4.66061022	439	925	1173
163051	NM_152601	ZNF709	zinc finger protein 709	1.253400491	2.171909611	0.197532	0.247892	0.401624	0.95786335	1.12560759	1.60891398	37	62	99
100293534	NM_001242823,NM_001242823	C4B_2	complement component 4B (Chic	1.012571955	2.169781292	0.408896	0.414992	0.834262	1.66222564	1.67459501	2.51121823	85	115	227
64115	NM_022153	VSIR	V-set immunoregulatory receptor	-1.565169934	2.16951753	14.527919	9.29218	29.624327	6.09853551	5.46403427	7.20454806	2651	2263	7074
4924	NM_006184	NUCB1	nucleobindin 1	1.155037753	2.168703349	26.714319	30.893034	54.451656	6.08939006	6.29449105	7.19479224	2634	4065	7026
51493	NM_014306	RTCB	RNA 2',3'-cyclic phosphate and 5	1.92118995	2.167675872	33.450642	64.34211	68.147194	6.09370103	7.02556427	7.19845841	2642	6782	7044
7976	NM_017412,NM_145866	FZD3	frizzled class receptor 3	-1.05133486	2.167227	0.272681	0.258971	0.557286	2.22275497	2.16626946	3.16227031	144	183	384
1112	NM_001085471,NM_005197	FOXN3	forkhead box N3	1.377260706	2.167187521	0.454363	0.62962	0.929568	2.17473011	2.54649137	3.10785943	138	254	368
25938	NM_015473	HEATR5A	HEAT repeat containing 5A	-1.041951736	2.167135916	2.244841	2.156011	4.571854	4.18126603	4.12530075	5.25370559	673	863	1794
23607	NM_012120	CD2AP	CD2 associated protein	-1.109548355	2.166064025	11.058668	9.978991	22.51388	5.88880227	5.74148732	6.99074853	2287	2754	6093
51306	NM_001101800,NM_001101801	FAM13B	family with sequence similarity 13	2.064979509	2.165780381	4.599777	9.553374	9.351029	4.69263929	5.70978368	5.77726713	976	2693	2600
57715	NM_001203244,NM_017893	SEMA4G	semaphorin 4G	-2.250458234	2.165578222	2.187593	0.97455	4.681381	3.37835054	2.37153003	4.41665393	369	219	983
794	NM_001740,NM_007088,NR_02	CALB2	calbindin 2	-1.463491396	2.165373247	62.173024	42.478978	126.363766	6.48647187	5.94447568	7.59242705	3481	3178	9271
10755	NM_005716,NM_202468,NM_20	GIPC1	GIPC PDZ domain containing far	-1.203522496	2.165257325	96.184496	80.587433	196.468213	7.50797825	7.24232294	8.61825723	7107	7890	18927
6670	NM_001017371,NM_001172712	SP3	Sp3 transcription factor	1.028428902	2.162908356	7.237672	7.269642	14.677054	5.45593034	5.49546602	6.55117294	1684	2314	4480
399972	NM_033839	QSEC	G-quadruplex forming sequence	-1.303068225	2.162202745	5.524896	4.228883	11.226556	2.33625658	2.03920547	3.28688662	159	163	423
158219	NM_001168339,NM_001168340	TTC39B	tetratricopeptide repeat domain 3	-1.327142495	2.161970249	1.224459	0.921184	2.489058	2.29192162	1.97664665	3.23705705	153	154	407
5865	NM_002867	RAB3B	RAB3B, member RAS oncogene	-1.84050898	2.161563579	0.460186	0.248759	0.934819	2.75626978	2.04488597	3.74913666	226	164	601
1815	NM_000797	DRD4	dopamine receptor D4	-1.037182928	2.161335482	1.122262	1.093776	2.29859	1.32354034	1.29208824	2.08792485	59	76	157
51280	NM_016548,NM_177937	GOLM1	golgi membrane protein 1	-1.001123114	2.161258237	56.960129	56.979283	115.775532	7.42722822	7.4256182	8.53460174	6718	8966	17858
22894	NM_001128226,NM_001322348	DIS3	DIS3 homolog, exosome endorib	1.816138603	2.160049409	3.195449	5.807737	6.530451	4.61228705	5.44648192	5.69141343	921	2235	2447
1491	NM_001190463,NM_001902,NM	CTH	cystathionine gamma-lyase	-1.040859176	2.158657787	6.833367	6.569699	13.866323	3.92480368	3.87089436	4.98317903	557	715	1479
150696	NM_001165977,NM_001165978	PROM2	prominin 2	1.598387835	2.157987335	25.851328	41.560204	52.313853	6.86148689	7.53346487	7.9645194	4526	9666	12013
84719	NR_046213	LINC00260	long intergenic non-protein codin	1.739750021	2.157323364	0.243177	0.424987	0.495768	0.38477185	0.61708849	0.73352601	12	28	32
84501	NM_032451	SPIRE2	spire type actin nucleation factor	-2.556763577	2.157017918	9.136652	3.576755	18.517397	4.90008261	3.61889232	5.98304325	1133	592	3006
79990	NM_024927,NR_073573,NR_07	PLEKHH3	pleckstrin homology, MyTH4 and	1.352045096	2.156714717	8.895918	12.121506	18.356062	4.7374097	5.15844008	5.81702682	1008	1821	2674
124751	NM_001304947,NM_213597	KRBA2	KRAB-A domain containing 2	1.729859556	2.156687336	0.361248	0.659399	0.72024	0.91952222	1.34717796	1.5489128	35	81	93
2709	NM_005268	GJB5	gap junction protein beta 5	3.056274525	2.156619898	3.393673	10.394423	6.888506	2.45494311	3.87839419	3.4156568	176	719	467
104	NM_001112,NM_001160230,NM	ADARB1	adenosine deaminase, RNA spec	2.535805646	2.155286466	1.278814	2.829967	1.937609	2.72881625	3.93343361	3.71541614	221	749	586
3915	NM_002293	LAMC1	laminin subunit gamma 1	1.068751486	2.154784425	24.19787	25.89003	48.998299	7.54583461	7.64126565	8.64924646	7297	10420	19339
9651	NM_001303012,NM_001303013	PLCH2	phospholipase C eta 2	-1.215778796	2.154777609	0.777384	0.70666	1.874445	2.4278825	2.20257223	3.38452567	172	189	456
100506939	NR_038277	PRKG1-AS1	PRKG1 antisense RNA 1	1.080119318	2.153763581	0.104506	0.110346	0.211115	0.29776659	0.31941552	0.58209675	9	13	24
6725	NM_080823	SRMS	src-related kinase lacking C-term	-3.240707704	2.151503214	2.028914	0.623102	4.118233	2.52884435	1.30327576	3.49199507	187	77	495
394	NM_001030055,NM_001173	ARHGAP5	Rho GTPase activating protein 5	1.29912646	2.148831622	11.031001	14.347625	22.278814	6.70262967	7.07698749	7.79877911	4050	7030	10704
2906	NM_000836	GRIN2D	glutamate ionotropic receptor NM	-1.939380479	2.148514661	0.246113	0.124341	0.497678	1.15225689	0.70406985	1.86000215	48	33	127
154467	NM_138493	CCDC167	coiled-coil domain containing 167	1.104255327	2.148283261	6.028122	6.658039	12.160859	2.21486103	2.32837375	3.14210594	143	211	378
106633809	NR_132760	SNORD144	small nucleolar RNA, C/D box 14	1.233666549	2.148148894	5.89728	7.316193	12.196385	0.59399636	0.70406985	1.06873498	20	33	53
770	NM_001217,NR_136241	CA11	carbonic anhydrase 11	1.016289082	2.147714592	3.542062	3.716746	6.784808	3.04601354	3.06652959	4.05259921	285	387	753

51077	NM_001318508,NM_015962	FCF1	FCF1 rRNA-processing protein	1.69335249	2.14747421	10.617557	18.027735	21.443776	4.71239751	5.44963197	5.78541555	990	2240	2615
11015	NM_006855,NM_016657	KDELR3	KDEL endoplasmic reticulum pro	1.208476746	2.147009042	29.542719	35.367667	59.319532	5.61058821	5.87868909	6.69710078	1879	3034	4962
677808	NR_002962	SNORA23	small nucleolar RNA, H/ACA box	-1.586572606	2.146709311	0.763363	0.517535	1.62616	0.20517559	0.13134883	0.41288872	6	5	16
25831	NM_015382	HECTD1	HECT domain E3 ubiquitin protei	-1.081950208	2.146206551	20.555931	19.019159	41.459545	7.52882258	7.4158268	8.62644522	7211	8905	19035
10087	NM_001130105,NM_005713,NM	COL4A3BP	collagen type IV alpha 3 binding	1.462102672	2.145102944	4.137881	6.02714	8.314568	4.48679171	5.01441136	5.55317472	841	1643	2219
283651	NR_022014	HMGN2P46	high mobility group nucleosomal	-2.253485045	2.144644912	0.230212	0.091549	0.45971	0.5190475	0.25173066	0.95003448	17	10	45
135886	NM_182504	WBSCR28	Williams-Beuren syndrome chron	-2.05125153	2.144644912	0.520472	0.251571	1.046054	0.5190475	0.27464693	0.95003448	17	11	45
57787	NM_001199867,NM_031417	MARK4	microtubule affinity regulating kin	1.37679469	2.144138157	4.831081	6.659189	9.738079	4.66103338	5.10669852	5.7307654	954	1755	2516
9001	NM_001079870,NM_001079871	HAP1	huntingtin associated protein 1	-1.018601602	2.14183534	0.500861	0.498431	1.026412	1.56621863	1.5486383	2.37961802	77	101	203
27242	NM_014452	TNFRSF21	TNF receptor superfamily membe	1.288997832	2.141647432	79.111504	102.088913	159.222031	8.13718986	8.50229349	9.23318447	11014	18969	29012
653080	NR_146391,NR_146391_dup1	LOC653080	glucuronidase beta pseudogene	2.560291074	2.141558727	0.714089	1.856373	1.457404	1.42282133	2.40826098	2.20270591	66	226	174
83463	NM_001142935,NM_031300	MXD3	MAX dimerization protein 3	1.005453553	2.14110875	13.777773	14.082365	28.974802	4.4636621	4.47115481	5.52684729	827	1111	2178
9317	NM_001001484,NM_001261836	PTER	phosphotriesterase related	2.355289661	2.141000634	4.059984	9.55659	8.2084	3.98869623	5.17147225	5.03786164	584	1838	1538
51752	NM_001040458,NM_001198541	ERAP1	endoplasmic reticulum aminopep	1.407613441	2.140332805	7.760645	10.922464	15.638047	5.3254638	5.80828705	6.40405688	1535	2887	4041
255082	NR_026939,NR_026940,NR_02	CASC2	cancer susceptibility 2 (non-prote	3.243883733	2.139651152	0.129402	0.397394	0.228105	0.43999062	0.42864496	0.82068496	14	61	37
219743	NM_001040273,NM_173555,NR	TYSND1	trypsin domain containing 1	-1.674716845	2.139445518	4.599335	2.764991	8.22117	3.84266317	3.16487058	4.88548333	524	418	1379
9781	NM_001349181,NM_001349182	RNF144A	ring finger protein 144A	-2.721756131	2.13704912	0.454081	0.165322	0.94142	1.82664439	0.95166931	2.68852679	100	49	263
107987295	NR_146322	LINC02246	long intergenic non-protein codin	-1.111279759	2.136968293	0.555447	0.500829	1.119975	2.46828542	2.34470901	3.41845388	178	214	468
27198	NM_032554	HCAR1	hydroxycarboxylic acid receptor 1	1.28078173	2.136048121	1.367416	1.752548	2.75197	2.3142594	2.60642858	3.24653213	156	267	410
147179	NM_133264	WIPF2	WAS/WASL interacting protein fa	1.205951326	2.135926675	6.272799	7.573245	12.59061	5.11890861	5.38199194	6.19158434	1325	2135	3481
55841	NM_015691	WWC3	WWC family member 3	-1.544497909	2.133561686	1.920447	1.24432	3.850627	3.70855202	3.14012691	4.74213443	474	410	1244
3303	NM_005345	HSPA1A	heat shock protein family A (Hsp	2.493145505	2.132998782	45.393665	113.305511	90.988815	6.75969808	8.06969125	7.84551213	4215	14041	11058
7345	NM_004181	UCHL1	ubiquitin C-terminal hydrolase L1	2.04247531	2.132922747	0.42287	0.898894	0.881308	0.56944351	0.99371033	1.02535867	19	52	50
4758	NM_000434	NEU1	neuraminidase 1	-1.942428584	2.132922747	0.22738	0.114421	0.473691	0.56944351	0.31941552	1.02535867	19	13	50
100133991	NR_024434,NR_024435,NR_11	MAP3K14-AS1	MAP3K14 antisense RNA 1	1.757807245	2.132671311	1.887075	3.306494	4.202001	1.602974	2.19658485	2.41925694	80	188	210
9424	NM_004823	KCNK6	potassium two pore domain chan	1.652481195	2.132609989	11.078116	18.334244	22.211828	4.89020329	5.59555204	5.9568272	1125	2484	2951
400110	NR_073430	ANKRD20A19P	ankyrin repeat domain 20 family	3.311448045	2.131961005	0.051337	0.188363	0.11134	0.35634914	0.95166931	0.6785857	11	49	29
144811	NM_001128303,NM_001350638	LACC1	laccase domain containing 1	-1.00209073	2.129908038	1.231062	1.414555	2.770224	2.70083015	2.69827959	3.66919325	216	288	566
158747	NM_001177475,NM_001330241	MOSPD2	motile sperm domain containing 2	1.308569528	2.129727937	2.787839	4.161869	6.130853	3.27963753	3.63226192	4.28950542	342	598	896
374875	NM_001267868,NM_001267869	HSD11B1L	hydroxysteroid 11-beta dehydrog	2.557604846	2.129186943	0.572135	1.691885	1.116435	1.10178443	1.97664665	1.78395874	45	154	118
5346	NM_001145311,NM_002666	PLIN1	perilipin 1	-1.296794162	2.128927116	0.872791	0.678046	1.800829	1.82664439	1.5673195	2.68388473	100	103	262
552900	NM_001031827,NM_001031827	BOLA2	bolA family member 2	-1.093147777	2.128916795	7.339194	6.739637	13.564289	2.89117014	2.78063431	3.87461432	252	308	660
2817	NM_002081	GPC1	glypican 1	2.545763506	2.127895834	20.428133	52.073509	40.856567	6.21589832	7.55219576	7.29503081	2879	9793	7535
150290	NM_001304794,NM_001304795	DUSP18	dual specificity phosphatase 18	1.003526648	2.127643132	3.201252	2.972504	6.531409	3.15728865	3.16180073	4.15844821	311	417	814
2539	NM_000402,NM_001042351	G6PD	glucose-6-phosphate dehydroger	1.618010846	2.126603403	33.698719	54.385543	67.116744	6.30736115	6.99462666	7.38625688	3070	6637	8030
2261	NM_000142,NM_001163213,NM	FGFR3	fibroblast growth factor receptor	1.156367173	2.126419022	0.331577	0.382918	0.666308	1.26358189	1.38978355	1.99354404	55	85	144
100302743	NR_028374	SNORA80B	small nucleolar RNA, H/ACA box	1.720640609	2.126054747	0.575182	0.903307	1.053546	0.10623215	0.18071335	0.22116494	3	7	8
5649	NM_005045,NM_173054	RELN	reelin	6.056577294	2.126054747	0.006581	0.040658	0.01288	0.10623215	0.56226574	0.22116494	3	25	8
101593348	NR_103497	LOC101593348	uncharacterized LOC101593348	2.443296723	2.126054747	0.022255	0.083376	0.067848	0.10623215	0.25173066	0.22116494	3	10	8
10151	NR_002726	HNRNPA3P1	heterogeneous nuclear ribonucle	2.684182094	2.126054747	0.021456	0.068307	0.04966	0.10623215	0.27464693	0.22116494	3	11	8
100313886	NR_031750	MIR2116	microRNA 2116	-1.002019576	2.126054747	0.683172	0.742339	1.855346	0.10623215	0.10601836	0.22116494	3	4	8
102466745	NR_106890	MIR6832	microRNA 6832	-1.937182024	2.126054747	0.78786	0.41241	2.064245	0.10623215	0.05398282	0.22116494	3	2	8
51231	NM_001025778,NM_001308420	VRK3	vaccinia related kinase 3	1.033481534	2.124858482	7.311485	7.774314	14.679478	3.91752664	3.96195135	4.95359477	554	765	1448
610	NM_001194	HCN2	hyperpolarization activated cyclic	-1.14246819	2.124501303	0.496961	0.434733	0.994338	1.40904982	1.29208824	2.1765086	65	76	170
163183	NM_001039876,NM_001297735	SYNE4	spectrin repeat containing nuclea	-1.012196293	2.123094213	1.422062	1.414689	3.008492	1.54118428	1.52971203	2.33885915	75	99	196
9537	NM_001258320,NM_001258325	TP53I11	tumor protein p53 inducible prote	-1.368996484	2.122617296	14.516488	10.831173	29.201526	5.68367394	5.19146888	6.70713387	1914	1868	4997
57700	NM_001135051,NM_020940	FAM160B1	family with sequence similarity 16	-1.241895544	2.121697216	2.847062	2.295758	5.684414	4.09788139	3.80552077	5.13798608	633	681	1652
106635684	NR_132981_chr5,NR_132981_c	SNORD141B	small nucleolar RNA, C/D box 14	1.78151163	2.121604513	6.440764	11.461613	12.858667	0.73313634	1.12560759	1.26797492	26	62	68
10613	NM_001100626,NM_001347856	ERLIN1	ER lipid raft associated 1	-1.06369266	2.121342719	18.809218	17.882837	38.012163	5.91583524	5.82827094	6.98816212	2331	2928	6082
5934	NM_001323608,NM_001323609	RBL2	RB transcriptional corepressor lik	-1.087489714	2.120599019	11.770215	10.807481	23.197601	5.8025506	5.68380238	6.87333758	2152	2644	5613
7134	NM_003280	TNNC1	troponin C1, slow skeletal and ca	-1.926434989	2.119686565	6.606191	3.428109	13.162581	2.45494311	1.73367602	3.39308282	176	122	459
80315	NM_001308189,NM_001308191	CPEB4	cytoplasmic polyadenylation elen	1.320850867	2.119088072	1.990364	2.631358	3.96543	4.10857187	4.48963605	5.14728952	638	1126	1663
4335	NM_020310	MNT	MAX network transcriptional repr	-1.114736794	2.11897375	4.569485	4.101397	9.099328	4.49496323	4.34556265	5.54423878	846	1014	2205
2637	NM_001301687,NM_001485	GBX2	gastrulation brain homeobox 2	-1.184729479	2.118582956	0.115985	0.087118	0.230376	0.26755841	0.2284445	0.52094563	8	9	21
4987	NM_000913,NM_001200019,NM	OPRL1	opioid related nociceptin receptor	-2.633004277	2.118520099	0.599882	0.229626	1.203949	1.59082596	0.81765451	2.39673966	79	40	206
4851	NM_017617	NOTCH1	notch 1	1.283459469	2.117110047	1.902629	2.4449	3.784985	4.18934543	4.53185994	5.22922293	677	1161	1763
389384	NM_001010903	C6orf222	chromosome 6 open reading fran	2.235135808	2.116809555	0.084052	0.201142	0.178193	0.41264541	0.80196545	0.76902392	13	39	34
692247	NR_147607,NR_147608	LOC692247	uncharacterized LOC692247	-1.857687274	2.11674954	3.404977	1.781727	6.778867	1.48977343	0.97983233	2.27238811	71	51	185
339665	NM_001001479,NM_001318370	SLC35E4	solute carrier family 35 member E	1.920427627	2.116404192	6.871416	13.217779	13.687385	4.18126603	5.08417426	5.22043469	673	1727	1752
8566	NM_001331030,NM_003681	PDXK	pyridoxal kinase	-2.292848232	2.116059043	32.60335	14.226696	64.969404	7.87747369	6.6882213	8.95562343	9193	5357	23926
161145	NM_001348541,NM_001348542	TMEM229B	transmembrane protein 229B	-1.434719698	2.116016905	1.095252	0.76522	2.186373	2.44147625	2.03149389	3.37591747	174	162	453
2869	NM_005308	GRK5	G protein-coupled receptor kinas	-1.210247075	2.115820318	1.07609	0.891889	2.154078	1.88750088	1.69172362	2.74755257	106	117	276
23446	NM_001286730,NM_001330731	SLC44A1	solute carrier family 44 member	-1.016608926	2.114625232	10.178825	10.410934	21.767273	6.70051131	6.67697624	7.77360406	4044	5315	10518
27350	NM_014508	APOBEC3C	apolipoprotein B mRNA editing e	1.580808792	2.113412241	5.660425	8.954509	11.24419	2.83047153	3.41483526	3.79935756	240	507	624
1486	NM_004388	CTBS	chitobiase	1.107212998	2.113089633	4.500068	4.987977	8.944922	3.86805176	4.00541159	4.89455192	534	790	1388
84918	NM_032832	LRP11	LDL receptor related protein 11	-1.563157673	2.112168163	17.167034	10.997869	34.084728	5.94237097	5.31102396	7.00872471	2375	2030	6170
79369	NM_001330492,NM_030765	B3GNT4	UDP-GlcNAc:betaGal beta-1,3-N	1.383577516	2.110818976	0.358141	0.48896	0.75095	1.01352966	1.26944952	1.65707652	40	74	104
10673	NM_001145645,NM_006573	TNFSF13B	TNF superfamily member 13b	2.220188692	2.110375629	0.340191	0.755902	0.679173	0.91952222	1.57657016	1.52834475	35	104	91
2634	NM_004120	GBP2	guanylate binding protein 2	1.319073033	2.10971158	5.059371	6.686069	10.038338	4.41797983	4.80113128	5.45918641	800	1410	2076
56256	NM_019605	SERTAD4	SERTA domain containing 4	1.335359099	2.1082429	1.023707	1.372446	2.039846	1.59082596	1.88281796	2.39105499	79	141	205
286495	NR_030737	TTC3P1	tetratricopeptide repeat domain 3	-3.299211779	2.107722959	0.200534	0.061613	0.405539	0.59399636	0.20477631	1.05442063	20	8	52
1386	NM_001256090,NM_001256091	ATF2	activating transcription factor 2	2.882331944	2.107141847	3.735264	10.673474	7.317081	4.00938005	5.47705979	5.03695187	593	2284	1537
256691	NM_001347990,NM_153267,NR	MAMDC2	MAM domain containing 2	-2.071532244	2.106990448	1.039727	0.487955	2.011445	2.15010456	1.41062362	3.04408938	135	87	350
3655	NM_000210,NM_001079818,NM	ITGA6	integrin subunit alpha 6	1.379888615	2.105371621	58.26233	80.420771	115.223767	8.37214592	8.83550179	9.4439395	12969	23911	33583
100652853	NR_046368	LINC01023	long intergenic non-protein codin	1.798250867	2.104979523	1.889027	3.412086	3.771037	0.86002952	1.30327576	1.4430085	32	77	83
84552	NM_032510	PARD6G	par-6 family cell polarity regulato	1.359914537	2.103728704	0.299833	0.404096	0.592833	1.08456011	1.33632702	1.74883089	44	80	114
164091	NM_178422	PAQR7	progestin and adipoQ receptor fa	-1.730172614	2.102760869	20.242916	11.713092	40.01376	5.92130285	5.14761859	6.98106463	2340	1807	6052
90246	NR_026954	LOC90246	uncharacterized LOC90246	2.62796495	2.102549282	0.642568	1.697948	1.277384	1.44997615	2.47408961	2.21562831	98	239	176
382	NM_001663	ARF6	ADP ribosylation factor 6	1.141115021	2.102249518	45.084255	51.506413	89.076729	7.44230784	7.6317287	8.50989841	6789	10351	17554
647135	NM_001271870,NM_001330684	SRGAP2B	SLIT-ROBO Rho GTPase activat	-1.021854581	2.101703628	4.55994	4.468744	9.011993	4.77278965	4.74274951	5.81649676	1034	1352	2673
3222	NM_018953,NR_003084	HOXC5	homeobox C5	-1.890555353	2.101582411	0.161648	0.080741	0.317766	0.3273552	0.18071335	0.62147005	10	7	26
360132	NR_003949,NR_027339,NR_02	FKBP9P1	FK506 binding protein 9 pseudog	3.559622691	2.10093069	0.209184	0.831963	0.509046	0.64188297	1.58576189	1.12461302	22	105	57
81617	NM_001079670,NM_001287337	CAB39L	calcium binding protein 39 like	-1.118258646	2.099889859	0.804741	0.726911	1.602275	1.9554003	1.83736459	2.81703332	113	135	292
950	NM_001204255,NM_005506	SCARB2	scavenger receptor class B mem	1.105498892	2.097620775	23.984553	26.504783	47.208878	6.8093619	6.95283475	7.87138837	4364	6446	11259
9422	NM_003417	ZNF264	zinc finger protein 264	1.295281468	2.097141384	5.117202	6.63666	10.087529	5.94535574	6.31328884	7.00151446	2380	4119	6139
55320	NM_018353	MIS18BP1	MIS18 binding protein 1	1.215166391	2.096923019	8.987082	10.938225	17.717014	5.42033281	5.69552536	6.4709259	1642	2666	4235
5547	NM_001319214,NM_005040,NM	PRCP	prolylcarboxypeptidase	4.015251486	2.094590638	3.824821	15.285138	7.54129	3.8730763	5.80287809	4.88750351	536	2876	1381
3775	NM_002245	KCNK1	potassium two pore domain chan	1.298404614	2.09425189	20.175711	26.224163	39.712917	5.44162746	5.81073899	6.49066263	1667	2892	4294
9975	NM_001145425,NM_005126,NR	NR1D2	nuclear receptor subfamily 1 grou	1.119662494	2.09326407	5.519041	6.301327	11.064358	4.89761911	5.055551521	5.93794468	1131	1692	2912
64834	NM_001256399,NM_001256401	ELOVL1	ELOVL fatty acid elongase 1	1.008071136	2.091122978	104.741797	106.234473	206.030798	7.34327403	7.35480054	8.40292197	6336	8534	16296
7168	NM_000366,NM_001018004,NM	TPM1	tropomyosin 1 (alpha)	-1.725831968	2.090525198	19.001473	11.235859	36.486563	5.14094677	4.38295215	6.18338553	1346	1042	3461
54852	NM_001104554,NM_017705	PAQR5	progestin and adipoQ receptor fa	1.074691597	2.090522264	3.424381	3.681876	6.717284	4.19336823	4.29181484	5.21561844	679	975	1746
2781	NM_002073	GNAZ	G protein subunit alpha z	2.04247531	2.090381611	0.148356	0.304129	0.288856	0.56944351	0.99371033	1.01960517	19	52	49
100130519	NM_001190844	TMEM221	transmembrane protein 221	-2.264662914	2.090196262	0.162258	0.070591	0.319414	0.38477185	0.18071335	0.71544405	12	7	31
1995	NM_001420,NM_032281	ELAVL3	ELAV like RNA binding protein 3	1.193356706	2.089503314	0.022351	0.033451	0.051392	0.17294258	0.20477631	0.34394329	5	8	13
5307	NM_002653	PITX1	paired like homeodomain 1	1.109701011	2.089074067	14.918743	16.566778	29.286076	5.15442263	5.30059458	6.19607391	1359	2015	3492
1950	NM_001178130,NM_001178131	EGF	epidermal growth factor	-3.103434692	2.089032424	2.567986	0.82619	5.077106	3.9320442	2.48395571	4.94489092	560	241	1439
2316	NM_001110556,NM_001456	FLNA	filamin A	2.128750061	2.088881161	55.941481	119.311405	109.872516	8.85818228	9.94654399	9.91929587	18180	51709	46708
151742	NM_001317911,NM_001317912	PPM1L	protein phosphatase, Mg2+/Mn2+	-1.564726078	2.0886531	1.22331	0.781459	2.406453	3.8142098	3.22493445	4.82246845	513	438	1318

9911	NM_001242925,NM_001297611	TMCC2	transmembrane and coiled-coil d	1.264536583	2.087798654	0.274354	0.346161	0.536475	1.04948198	1.23481109	1.69448139	42	71	108
54443	NM_001284301,NM_001284302	ANLN	anillin actin binding protein	-1.164167364	2.087629937	78.310388	67.848907	154.737061	8.51188338	8.29323182	9.57169473	14292	16403	36697
57669	NM_001184937,NM_001184938	EPB41L5	erythrocyte membrane protein ba	1.079713374	2.087219352	3.38102	3.698911	6.674459	4.42141376	4.52709643	5.44759453	802	1157	2059
987	NM_001199282,NM_006726	LRBA	LPS responsive beige-like ancho	1.093599852	2.085901935	5.821182	6.372259	11.40883	5.8357435	5.96267072	6.88324207	2203	3219	5652
91875	NM_138376	TTC5	tetratricopeptide repeat domain 5	1.43270422	2.085068681	3.763396	5.405391	7.386845	2.9730102	3.43531911	3.93446197	269	515	690
147807	NM_153219	ZNF524	zinc finger protein 524	-1.152671867	2.085027825	7.090999	6.166905	13.927839	3.14487866	2.96451939	4.11772436	308	357	790
56978	NM_001099403,NM_020226	PRDM8	PR/SET domain 8	-1.101276421	2.084027008	15.19667	13.805374	29.327202	5.73654145	5.60009515	6.78181217	2054	2492	5265
9950	NM_005113	GOLGA5	golgin A5	1.276524557	2.0839793	15.542923	19.862545	30.440668	5.5205971	5.86601302	6.56354499	1763	3007	4519
10014	NM_001015053,NM_005474	HDAC5	histone deacetylase 5	1.160725043	2.083601736	4.099041	4.764586	8.02562	4.47692439	4.68297626	5.50200967	835	1295	2140
127343	NM_147192,NM_172225	DMBX1	diencephalon/mesencephalon ho	-2.289819921	2.079275497	4.251533	1.858576	8.318935	3.6915876	2.63327382	4.68868621	468	273	1197
4594	NM_000255	MUT	methylmalonyl-CoA mutase	1.110693814	2.078925744	3.588255	3.988485	7.009893	3.86553291	4.00712306	4.86921928	533	791	1363
128312	NM_175055	HIST3H2BB	histone cluster 3 H2B family mem	1.682572788	2.077211596	3.005406	5.036515	5.861362	1.21691895	1.69172362	1.90855849	52	117	133
2523	NM_000148,NM_001329877	FUT1	fucosyltransferase 1 (H blood grc	-1.298296193	2.076629542	2.543497	1.957529	4.963018	3.52601466	3.18617655	4.51401614	413	425	1055
7045	NM_000358	TGFBI	transforming growth factor beta i	1.930728133	2.076295407	84.364143	163.070618	164.61441	7.85431764	8.80046242	8.90510328	9046	23336	23101
9754	NM_001142503,NM_001142504	STARD8	StAR related lipid transfer domai	-1.693977173	2.076256613	0.723964	0.43104	1.413214	2.16656821	1.61299082	3.04408938	137	108	350
84301	NM_032341	DDI2	DNA damage inducible 1 homolo	1.647156022	2.074201338	1.299137	2.153301	2.549716	2.14180175	2.7276415	3.01481644	134	295	342
81693	NM_030943	AMN	amnion associated transmembra	-2.080069328	2.074201338	2.244098	1.080427	4.382058	2.14180175	1.40024122	3.01481644	134	86	342
400578	NR_029392	KRT16P2	keratin 16 pseudogene 2	-1.037827737	2.073766159	4.215489	4.064299	8.222257	2.90104285	2.85474367	3.84996236	254	327	648
23584	NM_001329920,NM_014312	VSIG2	V-set and immunoglobulin domai	-2.190036526	2.073611125	16.099867	7.29017	31.638235	4.31281697	3.26553914	5.32698995	741	452	1890
692235	NR_033295,NR_033295_dup1	SNORD103B	small nucleolar RNA, C/D box 10	2.121242749	2.073509172	2.074815	4.385242	4.027837	0.23670415	0.46599441	0.45708734	7	20	18
101929402	NR_126027	EXTL3-AS1	EXTL3 antisense RNA 1	1.700005729	2.073509172	0.201826	0.388127	0.450611	0.23670415	0.38406669	0.45708734	7	16	18
114569	NM_052886	MAL2	mal, T-cell differentiation protein	-1.511293059	2.073061275	272.702271	180.640121	531.250793	9.54972405	8.9549218	10.60049291	29385	25979	74924
3726	NM_002229	JUNB	JunB proto-oncogene, AP-1 trans	1.165551218	2.072234539	58.803658	68.607376	114.506973	6.71387535	6.93293968	7.7579542	4082	6357	10404
9414	NM_001170414,NM_001170415	TJP2	tight junction protein 2	-1.001360827	2.071778592	40.611856	39.132802	78.066292	7.45513887	7.45318811	8.50176141	6850	9140	17455
1371	NM_000097	CPOX	coproporphyrinogen oxidase	3.059526806	2.071120531	8.531871	26.146061	16.609802	4.55559896	6.12712406	5.57402156	884	3614	2252
51063	NM_015916,NR_024552,NR_04	CALHM2	calcium homeostasis modulator 2	1.872345597	2.070371806	3.021748	5.749302	5.975675	2.73986043	3.54069782	3.67388275	223	558	568
80329	NM_001317089,NM_025218,NR	ULBP1	UL16 binding protein 1	1.96206654	2.070280052	0.231037	0.453534	0.449284	1.01352966	1.58576189	1.63800401	40	105	102
23266	NM_001297704,NM_001297705	ADGRL2	adhesion G protein-coupled rece	-1.550108012	2.070224101	0.565863	0.36233	1.10014	2.33625658	1.85267538	2.33070557	159	137	405
347734	NM_001286509,NM_001286510	SLC35B2	solute carrier family 35 member E	1.456149117	2.069335628	2.394844	3.655986	4.746582	2.51403512	2.97505117	3.42681271	185	360	471
3868	NM_005557	KRT16	keratin 16	-2.734888535	2.069272748	5.863684	2.14342	11.3994	3.43381096	2.19658485	4.41245104	385	188	980
604	NM_001130845,NM_001134738	BCL6	B-cell CLL/lymphoma 6	2.32391487	2.069136476	4.382861	10.497465	8.521348	4.02074421	5.18589965	5.02323609	598	1857	1522
5836	NM_001163940,NM_002863	PYGL	glycogen phosphorylase L	1.133955518	2.068864101	38.338157	43.705476	74.76547	6.7443565	6.92413441	7.78624649	4170	6318	10611
1120	NM_005198	CHKB	choline kinase beta	1.770884863	2.067906042	11.040123	19.578117	21.463673	4.21133328	5.00159078	5.21883106	688	1628	1750
100129550	NR_024618	LINC02035	long intergenic non-protein codin	1.597363036	2.067814921	0.854897	1.367272	1.660392	2.56460348	3.14635273	3.48133381	193	412	491
100288842	NR_027442	LOC100288842	UDP-GlcNAc:betaGal beta-1,3-N	-1.77411733	2.067297023	0.875256	0.476034	1.744471	0.59399636	0.36283659	1.03996283	20	15	51
644172	NR_026901	MAPK8IP1P2	mitogen-activated protein kinase	1.269197604	2.065962723	0.477213	0.61823	0.951062	0.88013425	1.04792463	1.45395569	33	56	84
771	NM_001218,NM_001293642,NM	CA12	carbonic anhydrase 12	21.46130288	2.064536078	0.032539	1.208805	0.071383	0.29776659	2.57907432	0.56199967	9	261	23
7012	NR_001566	TERC	telomerase RNA component	5.107046715	2.064536078	0.497369	2.686503	0.988202	0.29776659	1.12560759	0.56199967	9	62	23
10903	NM_001145862,NM_181873	MTMR11	myotubularin related protein 11	-1.175449693	2.06411335	8.254924	7.144939	16.028338	4.58038655	4.3576867	5.59457146	900	1023	2285
51092	NM_001040455	SIDT2	SID1 transmembrane family men	-1.283048096	2.063820315	4.843603	3.779321	9.397442	4.28481203	3.94597954	5.29157606	726	756	1843
81786	NM_033342,NM_203293,NM_20	TRIM7	tripartite motif containing 7	-1.386307543	2.062612515	7.011646	5.312617	12.666849	3.97707578	3.54069782	4.97370184	579	558	1469
421	NM_001670	ARVCF	armadillo repeat gene deleted in	-1.359536315	2.060298388	1.111176	0.816912	2.158799	2.4278825	2.07783221	3.32614297	172	169	436
9444	NM_001301085,NM_006775,NM	QKI	QKI, KH domain containing RNA	1.351185713	2.058898316	3.12402	4.102278	5.946902	4.96505491	5.38725856	5.98304325	1187	2143	3006
100188954	NR_024130	DNMBP-AS1	DNMBP antisense RNA 1	1.6268495	2.058793007	0.099588	0.175152	0.209482	0.35634914	0.54351856	0.65979727	11	24	28
100287177	NR_130728,NR_130729	EML2-AS1	EML2 antisense RNA 1	-1.93403858	2.058617246	1.391278	0.721457	2.721427	1.30878272	0.81765451	2.01587867	40	47	147
5226	NM_001304451,NM_001304452	PGD	phosphogluconate dehydrogenas	-1.005950917	2.057162458	35.670579	35.950414	69.253516	6.36333314	6.83487722	7.39498132	3193	4241	8079
128338	NM_001349881,NM_001349882	DRAM2	DNA damage regulated autophag	1.146638927	2.056673928	15.259328	17.445861	29.081447	5.05180751	5.24366088	6.0696643	1263	1935	3195
7789	NM_007156	ZXDA	zinc finger, X-linked, duplicated A	1.153373013	2.055844216	0.850534	0.985593	1.647898	2.41415945	2.58366954	3.30815729	170	262	430
102466723	NR_106792	MIR6734	microRNA 6734	1.093099346	2.054801926	4.734779	5.288556	9.560491	0.41264541	0.44594451	0.75138414	13	19	33
27248	NM_001127397,NM_001127398	ERLEC1	endoplasmic reticulum lectin 1	1.10772633	2.054621311	18.433556	20.541937	35.614285	5.55461405	5.69923552	6.57768983	1806	2673	4564
22949	NM_001146108,NM_001146109	PTGR1	prostaglandin reductase 1	1.20331609	2.054383067	14.345715	17.903587	28.873511	4.31466478	4.56941219	5.31578181	742	1193	1875
8736	NM_003803,NM_019856	MYOM1	myomesin 1	1.210041678	2.053068155	0.149025	0.183695	0.292471	0.89996265	1.03456085	1.47560397	34	55	86
83595	NM_031439	SOX7	SRY-box 7	6.717527666	2.05300629	0.582682	3.976386	1.134716	1.5285023	3.77370073	2.28470378	74	665	187
23089	NM_001040152,NM_001172437	PEG10	paternally expressed 10	-3.228539923	2.052390596	67.610428	20.950925	130.408952	8.77069598	7.0871367	9.8063114	17108	7080	43186
7077	NM_003255	TIMP2	TIMP metallopeptidase inhibitor 2	-1.110401829	2.052126735	139.328522	125.613113	268.687958	8.95658115	8.80581898	9.99221566	19466	23423	49132
7049	NM_001195683,NM_001195684	TGFBR3	transforming growth factor beta r	-1.233585455	2.052124904	1.054953	0.854654	2.035841	2.9541672	2.69403583	3.89283072	265	287	669
163	NM_001030006,NM_001282	AP2B1	adaptor related protein complex 2	-1.010994255	2.051935465	31.809835	31.530649	61.499734	7.48293069	7.46724431	8.51578755	6984	9230	17626
56109	NM_018919,NM_032086	PCDHGA6	protocadherin gamma subfamily	-1.054423872	2.051867237	0.151199	0.147172	0.164041	0.46682716	0.44594451	0.83750224	15	19	38
54877	NM_017742,NR_126534	ZCCHC2	zinc finger CCHC-type containing	-1.127680472	2.049875819	1.221581	1.084625	2.467841	3.00540462	2.85474367	3.94613924	276	327	696
55151	NM_018112	TMEM38B	transmembrane protein 38B	1.099308171	2.048701128	5.917747	6.514565	11.397555	4.42141376	4.55193121	5.42134148	802	1178	2021
199731	NM_145296	CADM4	cell adhesion molecule 4	-1.646412701	2.048664339	6.309865	3.836847	12.144243	3.84522223	3.18919702	4.82773844	426	525	1323
154091	NM_145176	SLC2A12	solute carrier family 2 member 12	-1.867295385	2.048122895	1.312137	0.70358	2.62662	3.0281061	2.27254712	3.96921401	281	201	708
549	NM_001306190,NM_001351431	AUH	AU RNA binding methylglutacony	-1.023633045	2.047905498	4.575338	4.320128	8.855334	3.04601354	3.01642592	3.98816501	285	372	718
6590	NM_003064	SLPI	secretory leukocyte peptidase int	-2.112448077	2.047017842	194.305389	92.079185	373.776184	6.82985711	5.76494251	7.85689819	4427	2800	11146
10226	NM_001164189,NM_001164194	PLIN3	perilipin 3	1.248017145	2.046542023	21.828177	27.270635	41.936389	5.66229636	5.97627719	6.68088498	1949	3250	4906
677832	NR_003015	SNORA53	small nucleolar RNA, H/ACA box	1.49456776	2.045207533	2.377827	3.538383	4.604821	0.66524311	0.90836632	1.13825079	23	46	58
10123	NM_001282431,NM_005737	ARL4C	ADP ribosylation factor like GTP	-1.034684613	2.044823247	22.061555	21.363418	42.09945	6.43473679	6.38612247	7.45819071	3357	4335	8443
1781	NM_001271785,NM_001271786	DYNC1I2	dynein cytoplasmic 1 intermediat	1.422548749	2.044017827	14.964438	21.308162	28.744914	6.008364	6.5101878	7.02831186	2488	4729	6255
152559	NM_001040202,NM_001350105	PAQR3	progestin and adipoQ receptor fa	-5.403117639	2.04355738	3.451269	0.624838	6.651643	3.80635139	1.76638114	4.78394543	510	126	1282
100128385	NR_024376	FAM225B	family with sequence similarity 22	1.394170531	2.043174223	0.296609	0.413756	0.568436	1.42282133	1.74192207	2.14982678	66	123	166
7421	NM_000376,NM_001017535,NM	VDR	vitamin D (1,25- dihydroxyvitamir	2.647794584	2.042637007	1.304184	3.454442	2.497504	2.78853894	4.05754526	3.70857641	232	821	583
115019	NM_052934,NM_134325	SLC26A9	solute carrier family 26 member 9	-2.644187277	2.042561437	0.601839	0.227997	1.158677	1.93632435	1.04792463	2.76083766	111	56	279
525	NM_001692	ATP6V1B1	ATPase H+ transporting V1 subu	-1.366301152	2.042283419	6.078146	4.454527	11.672876	3.64240927	3.23373217	4.61256748	451	441	1133
55321	NM_001304748,NM_001304749	TMEM74B	transmembrane protein 74B	1.122495615	2.040917172	1.255524	1.425499	2.48234	1.65056839	1.76638114	2.42483178	84	126	211
80321	NM_001288964,NM_001288965	CEP70	centrosomal protein 70	1.282121543	2.040720906	8.715738	11.37381	15.97215	4.30911424	4.65158753	5.30070087	739	1266	1855
481	NM_001677	ATP1B1	ATPase Na+/K+ transporting sub	1.421465336	2.040577359	66.09948	94.061615	126.754829	7.15576835	7.66015249	8.17959194	5559	10558	13952
50651	NM_001080397	SLC45A1	solute carrier family 45 member 1	1.349383921	2.038315865	0.527039	0.711252	1.009175	1.2010231	1.4614436	1.86820921	51	92	128
55625	NM_001145548,NM_017740	ZDHHC7	zinc finger DHHC-type containing	-1.370287346	2.036390621	35.216804	25.700619	67.517897	6.78491031	6.33525512	7.80426985	4290	4183	10745
100996335	NR_136559	LOC100996335	uncharacterized LOC100996335	2.666858399	2.035560872	0.905111	2.435784	1.742146	1.81624731	2.95035633	2.6172769	99	353	248
23357	NM_015305	ANGEL1	angel homolog 1	1.815025387	2.034439416	3.870469	7.040723	7.406727	4.04543465	4.86575665	5.02507241	609	1477	1524
5025	NM_001256796,NM_001261397	P2RX4	purinergic receptor P2X 4	-1.118644278	2.033370668	5.032341	4.485311	9.712211	3.45407101	3.30781222	4.40964229	391	467	978
26960	NM_001204197,NM_015678	NBEA	neurobeachin	1.770836578	2.031984499	0.423437	0.750803	0.80762	2.48150547	3.18919702	3.36725759	180	426	450
65108	NM_023009,NR_052852	MARCKSL1	MARCKS like 1	2.444000338	2.031155174	15.184325	37.352926	29.100789	4.59109862	5.84463554	5.58277547	907	2962	2266
6699	NM_003125	SPRR1B	small proline rich protein 1B	-1.003350453	2.030004142	8.368646	8.385062	16.019323	2.60139951	2.597368	3.4972963	199	265	497
196463	NM_001159727,NM_173542	PLBD2	phospholipase B domain contain	1.663226967	2.029632149	2.873944	4.784197	5.457338	3.15316384	3.82117143	4.08992214	310	689	774
1047	NM_001130675,NM_004362	CLGN	calmegin	4.179889721	2.028782667	0.276279	1.163077	0.531086	0.81895953	2.07130288	1.35230545	30	168	75
3292	NM_000413,NM_001330219,NR	HSD17B1	hydroxysteroid 17-beta dehydrog	-1.568829817	2.028314773	1.920424	1.258291	3.723541	2.02927762	1.5673195	2.85881867	121	103	302
4124	NM_002372	MAN2A1	mannosidase alpha class 2A mer	-1.217191624	2.028149481	9.108207	7.491192	17.358713	6.00207091	5.72338199	7.01081128	2477	2719	6179
55129	NM_001204831,NM_001204832	ANO10	anoctamin 10	1.153280398	2.027869506	3.363098	4.053211	6.607175	3.3677101	3.55480842	4.31524723	366	564	913
135112	NM_001122842,NM_001199619	NCOA7	nuclear receptor coactivator 7	1.408413132	2.027462544	3.962157	4.815451	7.150557	4.13809052	4.60826865	5.11575465	652	1227	1626
286103	NR_026974	ZNF252P-AS1	ZNF252P antisense RNA 1	-1.049557354	2.027391722	0.175536	0.166487	0.339604	0.64188297	0.61708849	1.09694451	22	28	55
158586	NM_007157	ZXDB	zinc finger, X-linked, duplicated B	1.473814035	2.026530627	2.865592	4.233267	5.465238	4.06751962	4.59921966	5.04240188	619	1219	1543
23499	NM_012090	MACF1	microtubule-actin crosslinking fac	-1.194453399	2.026042266	16.733978	14.025418	31.859968	8.17595161	7.9205681	9.1920946	11315	12657	28196
6934	NM_001146274,NM_001146283	TCF7L2	transcription factor 7 like 2	3.105004626	2.025924334	3.676528	11.406654	7.086256	3.93924856	5.50881622	4.90954071	563	2336	1403
10079	NM_006045	ATP9A	ATPase phospholipid transportin	-1.010458482	2.025609384	3.830811	3.797735	7.295703	4.88025587	4.86575665	5.87366563	1117	1477	2783
54491	NM_019018	FAM105A	family with sequence similarity 10	1.772554585	2.025483514	0.268725	0.479847	0.513937	1.51570785	2.10365798	2.2537152	73	173	182
79807	NM_001031720,NM_024751	GSTCD	glutathione S-transferase C-term	1.283205396	2.024939791	2.832865	3.58306	5.303019	3.60363765	3.9370293	4.56033921	438	751	1091
1718	NM_014762	DHCR24	24-dehydrocholesterol reductase	1.757044719	2.02379667	31.266905	55.000053	59.469074	7.03879266	7.84722131	8.0503117	5123	12027	12752
8938	NM_001199096,NM_001199097	BAIAP3	BAI1 associated protein 3	-1.193102421	2.023445288	7.885578	6.619076	15.025828	5.18100252	4.9339228	6.17761851	1385	1551	3447

55074	NM_001198532,NM_001198533	OXR1	oxidation resistance 1	-1.008897089	2.023131684	10.87898	12.133274	21.429381	5.59090027	5.57838681	6.59231674	1853	2454	4611
100132994	NM_001145139,NM_001145139	CXorf49B	chromosome X open reading frar	1.307022287	2.02306916	0.164977	0.216952	0.322272	0.38477185	0.48576948	0.69713258	12	21	30
8334	NM_003512	HIST1H2AC	histone cluster 1 H2A family mem	1.800028568	2.022963339	4.555432	8.280325	8.723345	1.78459878	2.43393638	2.57277436	96	231	239
29887	NM_001199835,NM_001199837	SNX10	sorting nexin 10	1.49671615	2.022952293	3.52362	5.262272	6.667821	3.30216484	3.83472784	4.24292715	348	696	866
23376	NM_015323	UFL1	UFM1 specific ligase 1	1.1537459	2.022829802	7.559053	8.728041	14.368271	4.99762645	5.19793813	5.99105095	1215	1873	3023
154214	NM_001286398,NM_152553,NR	RNF217	ring finger protein 217	1.307342833	2.022181854	1.096587	1.446563	2.112799	3.71975182	4.08048581	4.67938813	478	835	1189
8542	NM_001136540,NM_001136541	APOL1	apolipoprotein L1	1.559547397	2.021786132	14.784612	23.114467	28.094435	5.40393602	6.03281945	6.40229181	1623	3382	4036
10585	NM_001077365,NM_001077366	POMT1	protein O-mannosyltransferase 1	-1.210299091	2.021286238	9.772219	8.233251	19.258565	4.9720967	4.706341	5.96402441	1193	1317	2966
5195	NM_004565	PEX14	peroxisomal biogenesis factor 14	1.452093551	2.018746702	13.630487	19.824377	25.871761	4.73188879	5.25306686	5.71776698	1004	1948	2493
26009	NM_001308237,NM_015534	ZZZ3	zinc finger ZZ-type containing 3	1.044979406	2.017946041	4.687533	5.222296	9.005418	4.80732269	4.8685837	5.79405678	1060	1480	2631
23646	NM_001031696,NM_001291311	PLD3	phospholipase D family member	1.232327101	2.017399992	31.156126	40.966927	58.854135	6.16815189	6.46576027	7.17052495	2784	4584	6908
374928	NM_001304334,NM_001304335	ZNF773	zinc finger protein 773	1.640563297	2.017245629	6.830805	11.319914	13.166695	3.8730763	4.54840945	4.83508422	536	1175	1330
284422	NM_001136503	SMIM24	small integral membrane protein	1.06573891	2.016853748	0.938244	0.993248	1.788107	0.88013425	0.92294555	1.43197761	33	47	82
53349	NM_001281734,NM_001281735	ZFYVE1	zinc finger FYVE-type containing	1.313883715	2.016663994	2.658513	3.759196	5.585425	3.7555521	4.12372395	4.71281235	491	862	1218
137075	NM_194284	CLDN23	claudin 23	-1.142219928	2.016408375	5.132547	4.498335	9.71806	3.42699388	3.254005394	4.36973462	383	448	950
3980	NM_002311,NM_013975	LIG3	DNA ligase 3	1.00132144	2.015820768	5.676019	5.810428	11.057131	4.42654937	4.42836625	5.40380548	805	1077	1996
102724827	NR_110543	MIATNB	MIAT neighbor (non-protein codir	1.006491339	2.01468647	0.440457	0.451347	0.851869	0.79797761	0.80196545	1.31676564	29	39	72
217	NM_000690,NM_001204889	ALDH2	aldehyde dehydrogenase 2 famil	-4.945039118	2.014670204	3.518306	0.712615	6.684867	3.01452812	1.28081328	3.93250653	278	75	689
80054	NR_026887	CEBPA-AS1	CEBPA antisense RNA 1 (head t	-1.002055038	2.01368638	0.071316	0.069924	0.130968	0.20517559	0.20477631	0.39027104	6	8	15
102724708	NR_136223,NR_136224	LOC102724708	uncharacterized LOC102724708	2.591141254	2.01368638	0.067817	0.19957	0.146757	0.20517559	0.48576948	0.39027104	6	21	15
56135	NM_018898,NM_031882	PCDHAC1	protocadherin alpha subfamily C,	1.13597264	2.013363018	0.2505	0.287157	0.476568	0.7550755	0.83317479	1.25551499	27	41	67
85377	NM_033386	MICALL1	MICAL like 1	1.226090453	2.012675767	10.226578	12.55717	19.349138	5.51658908	5.80484733	6.50980517	1758	2880	4352
11057	NM_007011,NM_152924	ABHD2	abhydrolase domain containing 2	-1.024579149	2.012357657	11.185861	10.929382	21.157049	6.58736588	6.55270215	7.58870688	3736	4872	9247
39	NM_001303253,NM_005891	ACAT2	acetyl-CoA acetyltransferase 2	1.014905573	2.012216377	18.546966	18.856755	35.098312	4.86015285	4.88077062	5.84380456	1101	1493	2725
9685	NM_001195555,NM_001195556	CLINT1	clathrin interactor 1	1.307533149	2.011982897	9.418633	12.348436	17.824391	5.23858851	5.61644502	6.2279131	1443	2521	3571
22901	NM_001267727,NM_014960	ARSG	arylsulfatase G	1.095799823	2.011918343	0.789975	0.864775	1.50046	1.65056839	1.74192207	2.40804223	84	123	208
1773	NM_001351825,NM_005223	DNASE1	deoxyribonuclease 1	1.422424235	2.010472139	2.39743	3.14671	4.641606	2.93987166	3.39143785	3.84996236	262	498	648
284207	NM_001004431	METRNL	meteorin like, glial cell differentia	-1.717008071	2.010358809	34.735691	20.248014	65.643135	5.79529011	5.03385092	6.78966501	2141	1666	5294
25829	NM_001195071,NM_001195072	TMEM184B	transmembrane protein 184B	1.519234215	2.010341562	16.950418	25.780016	32.016667	5.92130285	6.51651019	6.91676387	2340	4750	5786
84071	NM_001286609,NM_032131	ARMC2	armadillo repeat containing 2	1.332618142	2.01028967	0.154592	0.214039	0.306295	0.66524311	0.83317479	1.12461302	23	41	57
8994	NM_014240	LIMD1	LIM domains containing 1	1.443481105	2.00990577	3.445321	4.98092	6.509797	4.46532657	4.97472832	5.43935559	828	1597	2047
100130827	NM_001199824	SBK3	SH3 domain binding kinase famil	1.196968154	2.009471666	0.805853	0.987025	1.547229	1.01352966	1.15059938	1.60891398	40	64	99
9451	NM_001313915,NM_004836	EIF2AK3	eukaryotic translation initiation fa	1.232552263	2.009239207	2.371323	2.927444	4.482376	3.55444243	3.83279899	4.49823858	422	695	1043
100132406	NM_001039703,NM_001302371	NBPF10	NBPF member 10	1.155979774	2.008772882	1.180122	1.366986	2.230702	3.82202563	4.01734947	4.7763339	516	797	1275
1956	NM_001346897,NM_001346898	EGFR	epidermal growth factor receptor	-1.027147522	2.008472866	13.023065	12.055077	25.678224	6.20099052	6.16287794	7.19723739	2849	3706	7038
11338	NM_001012478,NM_007279	U2AF2	U2 small nuclear RNA auxiliary fa	1.264165184	2.008439311	47.179539	59.736553	89.087122	7.17522211	7.51132541	8.17629065	5635	9518	13920
966	NM_000611,NM_001127223,NM	CD59	CD59 molecule (CD59 blood gro	-1.767589804	2.007464328	28.500983	16.182596	53.939017	7.74053668	6.92390793	8.74253125	8357	6317	20634
90102	NM_001134437,NM_001134438	PHLDB2	pleckstrin homology like domain	1.226227788	2.006818537	17.328653	21.214905	33.098233	6.69236199	6.98402008	7.69027653	4021	6588	9925
83874	NM_001204240,NM_031937	TBC1D10A	TBC1 domain family member 10/	1.934818205	2.005718163	21.817979	42.261115	41.11983	5.44078168	6.37688593	6.42819689	1666	4307	4110
253018	NR_026791	HCG27	HLA complex group 27 (non-prot	1.244440663	2.004588321	2.704603	3.369213	5.095545	2.46828542	2.73178769	3.33505242	178	296	439
4759	NM_005383	NEU2	neuraminidase 2	2.577321332	2.004474139	0.0744	0.23975	0.173526	0.13997292	0.3412894	0.27153692	4	14	10
100422860	NR_036251	MIR4292	microRNA 4292	1.666155364	2.004474139	1.438155	2.60988	2.94197	0.13997292	0.2284445	0.27153692	4	9	10
10125	NM_001128602,NM_001306086	RASGRP1	RAS guanyl releasing protein 1	2.941787718	2.004474139	0.020516	0.061834	0.038998	0.13997292	0.38406669	0.27153692	4	16	10
2735	NM_001160045,NM_001167609	GLI1	GLI family zinc finger 1	2.030621751	2.004474139	0.027011	0.054419	0.051092	0.13997292	0.27464693	0.27153692	4	11	10
81872	NM_001123387	KRTAP2-1	keratin associated protein 2-1	-1.324521912	2.004474139	0.117928	0.099282	0.2543	0.13997292	0.10601836	0.27153692	4	4	10
338699	NM_001300972,NM_001300973	ANKRD42	ankyrin repeat domain 42	1.932935669	2.002399465	1.418254	2.490952	2.420431	2.55837852	3.38618649	3.43235848	192	496	473
59352	NM_001017403,NM_001017404	LGR6	leucine rich repeat containing G	-2.867531651	2.001584573	0.422541	0.1471	0.840147	1.27880673	0.58077243	1.94780992	56	26	138
57136	NM_020531	APMAP	adipocyte plasma membrane ass	1.951630722	2.001297869	48.032063	93.846092	90.331116	6.71247443	7.67044931	7.70653074	4078	10634	10038
3162	NM_002133	HMOX1	heme oxygenase 1	2.258475321	2.000573968	19.463669	44.006672	36.591881	4.96034122	6.109706	5.93745724	1183	3570	2911
4494	NM_001301272,NM_005949	MT1F	metallothionein 1F	-1.864391547	1.999587418	1.607158	0.829738	3.035125	0.77668602	0.46599441	1.28032816	28	20	69
100129917	NR_036511,NR_036512	LOC100129917	uncharacterized LOC100129917	1.714653358	1.999394436	1.355754	2.845506	2.889797	1.70793493	2.2895231	2.46867149	89	204	219
2706	NM_004004	GJB2	gap junction protein beta 2	2.757248931	1.998232023	2.413064	6.689194	4.544739	2.70083015	4.01565009	3.58455875	216	796	531
124583	NM_001159772,NM_001159773	CANT1	calcium activated nucleotidase 1	-1.054509647	1.997698162	35.750239	33.498021	66.774809	6.89922686	6.82331145	7.89153384	4647	5888	11418
8453	NM_001198777,NM_001198778	CUL2	cullin 2	1.432182147	1.997424031	7.940096	11.387215	14.914725	5.0759764	5.5812619	6.05266115	1285	2459	3157
8140	NM_003486	SLC7A5	solute carrier family 7 member 5	-1.061671715	1.996785954	112.063889	105.671684	210.282074	8.95997951	8.87381994	9.95621643	19512	24556	47920
29903	NM_013301	CCDC106	coiled-coil domain containing 10	2.839233436	1.996021492	1.346475	3.8402	2.530424	1.8573935	3.07960182	2.64141996	103	391	253
90809	NM_001100814,NM_144568	TMEM55B	transmembrane protein 55B	1.049019362	1.994369021	15.751135	16.573933	29.550809	4.86898241	4.93572116	5.84015848	1108	1553	2718
50999	NM_001167830,NM_016040,NR	TMED5	transmembrane p24 trafficking pr	1.093670979	1.994212074	11.671677	12.784334	21.874861	6.13088238	6.25830165	7.11643039	2712	3963	6652
101929613	NR_110947,NR_110948,NR_11	LOC101929613	uncharacterized LOC101929613	-1.45463322	1.994106381	1.459907	0.997668	3.844307	0.68823103	0.50527715	1.15176086	24	22	59
79365	NM_030762	BHLHE41	basic helix-loop-helix family mem	-1.088127678	1.993615759	31.241917	28.744167	58.540222	6.85800652	6.7372513	7.84719983	4515	5544	11071
9709	NM_001010989,NM_001272103	HERPUD1	homocysteine inducible ER prote	1.172217435	1.993098527	38.647626	45.293486	72.239996	6.19197132	6.41831407	7.17714635	2831	4434	6940
2081	NM_001433	ERN1	endoplasmic reticulum to nucleus	1.439642678	1.992854195	1.281914	1.853994	2.405925	2.58923814	3.04002433	3.45977198	197	379	483
4151	NM_005368,NM_203377,NM_20	MB	myoglobin	1.846488106	1.991396173	41.413693	72.779824	73.235396	5.5004447	6.37058443	6.47831697	1738	4288	4257
6576	NM_001256534,NM_001287387	SLC25A1	solute carrier family 25 member	1.301771125	1.990343415	21.252483	27.473581	39.437881	5.13363806	5.50458181	6.10612025	1339	2329	3278
57648	NM_001198972,NM_001198973	KIAA1522	KIAA1522	1.241329456	1.989334824	47.935575	59.135099	88.899325	7.96331541	8.27408027	8.95273205	9759	16186	23878
5165	NM_001142386,NM_005391	PDK3	pyruvate dehydrogenase kinase 3	-1.142886503	1.989293898	1.178251	0.767749	2.055465	3.04155747	2.87362954	3.94419958	284	332	695
153222	NM_001168393,NM_001168394	CREBRF	CREB3 regulatory factor	1.108746117	1.989110748	3.741834	3.728352	6.391555	4.52080535	4.66357413	5.48142583	862	1277	2109
6510	NM_001145144,NM_001145145	SLC1A5	solute carrier family 1 member 5	1.046751319	1.987917672	89.641756	93.961594	166.813824	7.9659633	8.031625	8.95435916	9777	13674	23905
9582	NM_001270411,NM_004900	APOBEC3B	apolipoprotein B mRNA editing e	1.466125133	1.987901132	26.977767	39.536663	50.385439	5.36968406	5.91058637	6.3435348	1584	3103	3873
1512	NM_001319137,NM_004390	CTSH	cathepsin H	1.998102103	1.987523931	65.254223	130.307414	122.527525	6.60710179	7.59834076	7.59072316	3788	10113	9260
3996	NM_004140	LLGL1	LLGL1, scribble cell polarity com	1.561479381	1.98739699	2.069298	3.242815	3.874817	3.25290323	3.84049897	4.16678956	335	699	819
202333	NM_153610	CMYA5	cardiomyopathy associated 5	1.955291722	1.987256346	0.204141	0.399949	0.382529	1.83696709	2.59281628	2.61239943	101	264	247
83983	NM_032037	TSSK6	testis specific serine kinase 6	-2.10892044	1.986923399	0.683841	0.31332	1.275669	0.97665845	0.54351856	1.5489128	38	24	93
64121	NM_001271851,NM_022157	RRAGC	Ras related GTP binding C	1.092370033	1.986705027	4.851673	5.332175	9.06135	3.79844995	3.91714113	4.73654166	507	740	1239
84448	NM_001130083,NM_001130084	ABLIM2	actin binding LIM protein family n	-1.567138519	1.986445151	0.136626	0.093931	0.30487	0.59399636	0.40498891	1.01060517	20	17	49
692093	NR_003050,NR_003050_dup1	SNORD62B	small nucleolar RNA, C/D box 62	2.435456801	1.985625009	3.17039	8.166646	6.176454	0.35634914	0.75384785	0.64076093	11	36	27
1829	NM_001943	DSG2	desmoglein 2	1.141024482	1.984850359	26.597584	30.382111	49.60841	7.25726878	7.44642371	8.2418137	5967	9097	14567
10848	NM_001142502,NM_006663	PPP1R13L	protein phosphatase 1 regulatory	-1.244546785	1.983804813	23.470209	18.877133	43.755282	6.17630487	5.86554139	7.1546724	2800	3006	6832
2625	NM_001002295,NM_002051	GATA3	GATA binding protein 3	-1.192386083	1.983555801	12.868897	10.802623	23.985048	5.30236925	5.055515	6.27226751	1510	1692	3684
112	NM_015270	ADCY6	adenylate cyclase 6	-1.070127776	1.982754465	19.367516	18.118479	36.091351	6.85895655	6.76204243	7.8403068	4518	5641	11018
23224	NM_015180,NM_182910,NM_18	SYNE2	spectrin repeat containing nuclea	-1.17584173	1.980307128	9.418816	8.860761	10.59892	5.8344561	5.6051891	6.80764596	2201	2501	5361
254427	NM_153256	PROSER2	proline and serine rich 2	1.180989931	1.979817945	20.436861	24.163792	38.026508	6.07310824	6.3098262	7.04786245	2604	4109	6341
388581	NM_001014980	C1QTNF12	C1q and TNF related 12	1.029032639	1.979523758	1.180378	1.230289	2.227538	1.15225689	1.1751656	1.77525664	48	66	117
2822	NM_001503	GPLD1	glycosylphosphatidylinositol spec	1.137033775	1.979451915	0.111701	0.12732	0.205946	0.71085839	0.7861039	1.17840727	25	38	61
56980	NM_020228,NM_199437,NM_19	PRDM10	PR/SET domain 10	-1.498794131	1.979133736	3.63533	2.426473	6.548861	4.48186648	3.92982892	5.43452772	838	747	2040
26020	NM_001329226,NM_014045	LRP10	LDL receptor related protein 10	1.011026769	1.978508834	21.665305	21.932138	40.882921	7.19817553	7.21388986	8.17773589	5726	7735	13934
9925	NM_014872	ZBTB5	zinc finger and BTB domain cont	-1.458028242	1.978166148	4.167427	2.862164	7.751359	4.31281697	3.80158144	5.26073633	741	679	1803
2131	NM_000127	EXT1	exostosin glycosyltransferase 1	1.655623214	1.978018447	3.662092	6.071795	6.806401	3.70009475	4.38295215	4.62835753	471	1042	1146
441089	NR_003665	CRSP8P	mediator complex subunit 27 pse	3.247686972	1.977815388	0.019208	0.128386	0.070109	0.07168335	0.2284445	0.14214747	2	9	5
102465256	NR_106768	MIR6513	microRNA 6513	-1.313695475	1.977815388	0.573334	0.532795	1.465107	0.07168335	0.05398282	0.14214747	2	2	5
102465515	NR_106915	MIR6856	microRNA 6856	-1.313695475	1.977815388	0.460055	0.431601	1.346926	0.07168335	0.05398282	0.14214747	2	2	5
102465538	NR_106952	MIR6892	microRNA 6892	-1.313695475	1.977815388	0.34236	0.174668	0.868195	0.07168335	0.05398282	0.14214747	2	2	5
1604	NM_000574,NM_001114752,NM	CD55	CD55 molecule (Cromer blood gr	-1.027411274	1.977760806	24.672142	23.922758	45.487171	6.035508	5.99709531	7.00849268	2536	3298	6169
1942	NM_004428,NM_182685	EFNA1	ephrin A1	-1.01570663	1.977310608	10.731039	10.630032	19.833853	4.10002583	4.07885924	5.04149497	634	834	1542
9980	NM_001320714,NM_005128	DOPEY2	dopey family member 2	-1.11829854	1.97634594	1.533826	1.37278	2.849931	3.65995838	3.5120557	4.58544575	457	546	1111
283431	NM_001303130,NM_001303131	GAS2L3	growth arrest specific 2 like 3	-2.115624852	1.975694193	4.7364	2.147906	8.800765	4.75792697	3.73497962	5.71378758	1023	646	2486
2747	NM_012084	GLUD2	glutamate dehydrogenase 2	1.984123428	1.975308574	0.097619	0.199104	0.187267	0.29776659	0.54351856	0.54161868	9	24	22
5175	NM_000442	PECAM1	platelet and endothelial cell adhe	9.462702879	1.975308574	0.052758	0.50199	0.097552	0.29776659	1.67459501	0.54161868	9	115	22
5210	NM_001317134,NM_001317135	PFKFB4	6-phosphofructo-2-kinase/fructos	4.735845465	1.974584687	1.465973	7.316539	2.844256	2.6780437	4.7324405	3.54415067	212	1342	515

91694	NM_001329976,NM_152271,NR	LONRF1	LON peptidase N-terminal domai	-1.164946832	1.97415332	4.179662	3.591737	7.772816	3.94403156	3.73910482	4.87839036	565	648	1372
54836	NM_001317943,NM_001317944	BSPRY	B-box and SPRY domain contain	-1.358781961	1.973356549	14.004472	10.305926	26.022635	5.04514512	4.61838139	6.00414397	1257	1236	3051
54813	NM_001308112,NM_017658	KLHL28	kelch like family member 28	1.27482578	1.973186082	2.346766	2.997558	4.346086	4.00251834	4.33333585	4.93808477	590	1005	1432
10483	NM_001172745,NM_001172746	SEC23B	Sec23 homolog B, coat complex	1.662522867	1.972915719	15.118515	25.537634	28.249845	5.68675843	6.40895836	6.65324904	1983	4405	4812
10365	NM_016270	KLF2	Kruppel like factor 2	1.060596618	1.971808369	9.073567	9.642572	16.824072	4.68551669	4.76719467	5.63721662	971	1376	2355
10139	NM_001134758,NM_001267544	ARFRP1	ADP ribosylation factor related pr	2.644185012	1.97179228	8.115425	21.524967	15.116896	4.41281357	5.77301226	5.35864561	797	2816	1933
9619	NM_004915,NM_016818,NM_20	ABCG1	ATP binding cassette subfamily (	1.025777392	1.971263591	9.903887	10.191597	18.392388	4.89391597	4.92941706	5.84899732	1128	1546	2735
1890	NM_001113755,NM_001113756	TYMP	thymidine phosphorylase	-1.957360166	1.969458748	23.682112	11.84491	43.613154	5.35897928	4.42324784	6.31942	1572	1073	3808
2296	NM_001453	FOXC1	forkhead box C1	1.02086777	1.969237702	1.809853	1.84729	3.354951	2.82529613	2.85093665	3.69940604	239	326	579
51320	NM_016626	MEX3C	mex-3 RNA binding family memb	1.209986389	1.968760191	5.43397	6.583384	10.058969	4.51920371	4.78326433	5.46528578	861	1392	2085
286140	NR_003129_chr6,NR_003129_c	RNF5P1	ring finger protein 5 pseudogene	1.242655869	1.968585585	10.487678	13.049014	19.4116	3.56999691	3.859571	4.48629114	427	709	1034
55093	NM_001283024,NM_001283027	WDYHV1	WDYHV motif containing 1	1.105206954	1.967880049	12.665799	14.014158	22.765296	4.29233333	4.42964302	5.23240543	730	1078	1767
10497	NM_001330653,NM_006377	UNC13B	unc-13 homolog B	-1.103391588	1.967730818	2.825004	2.560708	5.29141	4.22907737	4.09504299	5.16738207	697	844	1687
152519	NM_207330	NIPAL1	NIPA like domain containing 1	1.29102769	1.967649499	2.812754	3.640852	5.209023	3.95828615	4.30578837	4.88851253	571	985	1382
100996437	NR_110037	LOC100996437	uncharacterized LOC100996437	1.174775307	1.966810056	0.415269	0.498931	0.786623	0.43999062	0.50527715	0.76902392	14	22	34
55914	NM_001006600,NM_001253697	ERBIN	erbb2 interacting protein	-1.171976335	1.966172423	32.011521	27.431137	59.180576	7.75948439	7.53168238	8.73160821	8468	9654	20478
246175	NM_001286790,NM_144571	CNOT6L	CCR4-NOT transcription comple	-1.159919715	1.965830936	1.959952	1.691532	3.641129	4.16497021	3.96371513	5.10016049	665	766	1608
699	NM_001278616,NM_001278617	BUB1	BUB1 mitotic checkpoint serine/tl	1.067487806	1.965719985	24.656723	26.369493	45.081505	6.44952833	6.54270679	7.41647691	3392	4838	8201
55959	NM_001161841,NM_018837,NM	SULF2	sulfatase 2	1.035885604	1.964542925	23.712201	24.600716	43.687038	6.6179922	6.66834936	7.58497709	3817	5283	9223
222584	NM_001010872	FAM83B	family with sequence similarity 8	1.151819244	1.962957161	1.717802	1.978115	3.16668	3.51641288	3.70365887	4.42641333	410	631	990
25943	NM_001009984	C20orf194	chromosome 20 open reading fra	2.009232417	1.962682416	2.291663	4.614678	4.231137	4.03874269	5.00073201	4.9679855	606	1627	1463
1629	NM_001918	DBT	dihydrolipoamide branched chain	1.191093549	1.962544488	1.307279	1.559297	2.412484	3.88556162	4.12214544	4.8097414	541	861	1306
157638	NM_174911	FAM84B	family with sequence similarity 8	-1.285620243	1.961998733	75.33815	58.664658	138.903091	8.65476479	8.29331949	9.62533773	15784	16404	38089
100130967	NM_001195032,NM_001302839	C6orf99	chromosome 6 open reading fran	1.401524212	1.960386774	0.629646	0.932318	1.267217	0.68823103	0.89363826	1.13825079	24	45	58
29760	NM_001114094,NM_001258440	BLNK	B-cell linker	1.308385209	1.960386774	0.338371	0.449637	0.642528	0.68823103	0.84852988	1.13825079	24	42	58
6653	NM_003105	SORL1	sortilin related receptor 1	-1.749070778	1.959707048	5.238827	2.998787	9.649995	5.83252285	5.04472373	6.79074481	2198	1679	5298
4069	NM_000239	LYZ	lysozyme	-2.365801991	1.959644571	3.480658	1.472976	6.418095	2.61945147	1.66595383	3.47059318	202	114	487
102466982	NR_106787	MIR6729	microRNA 6729	1.489387219	1.959189961	2.566315	4.090513	4.978037	0.23670415	0.3412894	0.43515728	7	14	17
55515	NM_018674,NM_182847	ASIC4	acid sensing ion channel subunit	1.700005729	1.959189961	0.058738	0.108043	0.11089	0.23670415	0.38406669	0.43515728	7	16	17
55259	NM_001082972,NM_001082973	CASC1	cancer susceptibility 1	1.384077964	1.959189961	0.06738	0.093387	0.143104	0.23670415	0.31941552	0.43515728	7	13	17
9249	NM_001319225,NM_001324370	DHRS3	dehydrogenase/reductase 3	1.279297701	1.959101573	68.625552	81.194593	115.895215	6.72155623	7.07392876	7.6850595	4104	7015	9889
339745	NM_001001664	SPOPL	speckle type BTB/POZ protein lik	1.267084257	1.958546832	4.95978	6.296612	9.134974	4.84361034	5.17452161	5.78866208	1088	1842	2621
8738	NM_001320099,NM_001320100	CRADD	CASP2 and RIPK1 domain conta	-1.289032888	1.957864983	2.081355	1.542196	3.501151	1.63881618	1.40024122	2.36229074	83	86	200
23348	NM_001130048,NM_001130049	DOCK9	dedicator of cytokinesis 9	-1.134090557	1.957785445	2.452906	2.152125	4.699141	4.26009342	4.08859126	5.19211053	713	840	1717
2319	NM_001330170,NM_004475	FLOT2	flotillin 2	1.401316539	1.95776251	14.627807	20.523462	26.919095	5.26749617	5.74354211	6.21831452	1473	2758	3547
643338	NM_001130448	C15orf62	chromosome 15 open reading fra	-2.589084942	1.956751311	1.365434	0.526576	2.507971	2.10810423	1.18729361	2.90342651	130	67	313
55775	NM_001008744,NM_001330205	TDP1	tyrosyl-DNA phosphodiesterase 1	1.189505445	1.956207858	4.876938	5.886755	8.98153	4.18934543	4.42708835	5.11833737	677	1076	1629
284802	NR_003579,NR_145491	FRG1BP	FSHD region gene 1 family mem	-1.146253431	1.95619011	3.716387	1.90142	5.944044	2.23060596	2.07783221	3.04046258	145	169	349
3799	NM_004521	KIF5B	kinesin family member 5B	1.125874617	1.956035332	28.86577	32.534515	53.059921	7.37947593	7.54955574	8.3431795	6498	9775	15633
101928123	NR_135248	LOC101928123	uncharacterized LOC101928123	1.739750021	1.955942057	0.182759	0.318944	0.338816	0.38477185	0.61708849	0.6785857	12	28	29
27238	NM_015698	GPKOW	G-patch domain and KOW motifs	1.222998502	1.955771791	6.747493	8.270217	12.413182	3.64240927	3.91166916	4.55272125	451	737	1085
3998	NM_005570	LMAN1	lectin, mannose binding 1	1.153903696	1.955212143	31.296686	36.150997	57.502628	7.21236912	7.41759738	8.17494733	5783	8916	13907
339988	NR_147207	LINC002481	long intergenic non-protein codin	1.542738532	1.954731302	0.907114	1.41981	1.689533	1.39514558	1.81408935	2.06668624	64	132	154
57519	NM_020759	STARD9	StAR related lipid transfer domai	-1.024321834	1.954484664	0.11545	0.112384	0.212787	1.46336426	1.44132992	2.14982678	69	90	166
25901	NM_015439	CCDC28A	coiled-coil domain containing 28	-1.009067642	1.953470572	4.409097	4.388362	8.122779	2.89611494	2.88494352	3.76486718	253	335	608
57125	NM_020405	PLXDC1	plexin domain containing 1	-1.28693842	1.953386065	0.112732	0.086949	0.205931	0.61708849	1.23026757	28	65	65	
51478	NM_001304512,NM_001304513	HSD17B7	hydroxysteroid 17-beta dehydrog	-1.31226985	1.953287749	8.009942	6.021665	15.002503	3.61567874	3.25980797	4.52314065	442	450	1062
347404	NM_001170331,NM_198511	LANCL3	LanC like 3	1.098932245	1.953064707	0.25239	0.270669	0.461295	0.86002952	0.92294555	1.37552141	32	47	77
100885776	NR_047679	UGDH-AS1	UGDH antisense RNA 1	1.511628101	1.952509901	0.413469	0.625704	0.756381	1.13562816	1.49109792	1.73991364	47	95	113
84858	NM_032772,NR_120651	ZNF503	zinc finger protein 503	-1.990988725	1.951657012	1.305132	0.65363	2.395253	2.39332696	1.64851465	3.21791812	167	112	401
51256	NM_001143964,NM_001143965	TBC1D7	TBC1 domain family member 7	1.103679225	1.951539803	5.207748	5.909396	10.225049	2.91572639	3.04002433	3.78425716	257	379	617
5238	NM_001199917,NM_001199918	PGM3	phosphoglucomutase 3	-1.056780486	1.950971615	3.284662	3.330734	6.026254	4.36189543	4.28618731	5.29157606	768	971	1843
55075	NM_001008224,NM_018003	UACA	uveal autoantigen with coiled-coil	1.262985744	1.950144593	26.88659	33.996942	49.281269	7.51321763	7.84841515	8.47295697	7133	12037	17109
401548	NM_001012994	SNX30	sorting nexin family member 30	1.241185518	1.950142546	1.256086	1.562759	2.305007	3.3677101	3.65208684	4.26173929	366	607	878
2537	NM_002038,NM_022872,NM_02	IFI6	interferon alpha inducible protein	-1.167163481	1.948532338	44.811788	38.360992	81.974297	5.23273681	5.01611219	6.17637972	1437	1645	3444
84307	NM_001135178,NM_032347	ZNF397	zinc finger protein 397	1.774764564	1.948336492	2.02708	3.621419	4.024638	2.60139951	3.3216324	3.44338646	199	472	477
29767	NM_001142885,NM_014548	TMOD2	tropomodulin 2	1.136434318	1.948178614	0.53697	0.611198	0.984777	2.53954085	2.69403583	3.37591747	189	287	453
55344	NM_018390_chrX,NM_018390_r	PLCXD1	phosphatidylinositol specific phos	1.089172161	1.946551256	4.128697	5.30761	7.387536	4.3072593	4.42452914	5.23240543	738	1074	1767
79143	NM_001146056,NM_001146082	MBOAT7	membrane bound O-acyltransfer	1.24169801	1.945856672	49.860946	62.135984	93.577492	6.96600154	7.27607402	7.92080277	4869	8078	11653
22926	NM_007348	ATF6	activating transcription factor 6	1.238701972	1.945055636	5.184449	6.429257	9.479455	5.28927297	5.59099458	6.23109848	1496	2476	3579
122953	NM_001135047,NM_001135048	JDP2	Jun dimerization protein 2	-1.04127422	1.944590214	5.704889	5.392923	10.203922	4.480221	4.42452914	5.4083936	837	1074	2002
677770	NM_003004	SCARNA22	small Cajal body-specific RNA 22	2.335566235	1.944264678	3.015022	7.360894	5.639462	0.46982716	0.92294555	0.80366934	47	15	36
1810	NM_001938	DR1	down-regulator of transcription 1	1.15122605	1.943554491	9.495905	10.945539	17.35099	4.93893692	5.13593336	5.87468438	1165	1792	2785
127707	NM_152375	KLHDC7A	kelch domain containing 7A	1.019286611	1.943075354	1.081969	1.10562	1.983067	2.66651408	2.68977954	3.51046477	210	286	502
390980	NM_001023563,NM_001145078	ZNF805	zinc finger protein 805	1.049635799	1.942857214	4.674052	4.882425	8.49135	5.54913078	5.61756579	6.49232289	1799	2523	4299
50	NM_001098	ACO2	aconitase 2	1.452471389	1.942191446	19.313593	28.089499	35.257019	5.71571556	6.24567154	6.6600601	2024	3928	4835
10110	NM_001199264,NM_016276,NM	SGK2	SGK2, serine/threonine kinase 2	-2.039257247	1.941204177	1.812181	0.832831	3.317177	2.18284609	1.45142181	2.9773697	139	91	332
83729	NM_031479	INHBE	inhibin beta E subunit	7.341636058	1.940775056	0.103546	0.784966	0.19437	0.3273552	1.52971203	0.58209675	10	99	24
27147	NM_001318052,NM_001318053	DENND2A	DENN domain containing 2A	1.195404003	1.940775056	0.067759	0.079036	0.124786	0.3273552	0.38406669	0.58209675	10	16	24
7376	NM_001256647,NM_007121	NR1H2	nuclear receptor subfamily 1 grou	1.027320359	1.940227624	22.022037	22.835687	39.78389	5.50125623	5.53929737	6.44200835	1739	2387	4150
404636	NM_001303111,NM_001303112	FAM45A	family with sequence similarity 45	-1.32377934	1.940117945	1.178032	0.872956	2.07904	1.93632435	1.64851465	2.69776636	111	112	265
51130	NM_001201965,NM_016115,NM	ASB3	ankyrin repeat and SOCS box co	3.116223999	1.938875266	3.685643	12.378	6.705795	3.20189991	4.73140553	4.07935661	322	1341	768
54499	NM_001256164,NM_001256165	TMCO1	transmembrane and coiled-coil d	-1.028673209	1.938267195	12.494474	12.123405	22.797037	5.79330362	5.75326258	6.73545908	2138	2777	5097
7110	NM_007114	TMF1	TATA element modulatory factor	-1.02930076	1.93753502	4.96121	4.825973	9.035757	5.0976022	5.0571683	6.03134989	1305	1694	3110
9948	NM_005112,NM_017491	WDR1	WD repeat domain 1	1.485127174	1.936811654	72.97795	108.209437	133.014733	7.80439611	8.37287861	8.75496369	8737	17337	20813
80312	NM_030625	TET1	tet methylcytosine dioxygenase 1	-1.092589253	1.936455665	0.048999	0.044442	0.088875	0.54446555	0.50527715	0.91876801	18	22	43
830	NM_006136	CAPZA2	capping actin protein of muscle Z	-1.16373652	1.935538796	11.165454	9.602038	20.315737	4.73465189	4.52470876	5.66103101	1006	1155	2395
79586	NM_001195731,NM_024536	CHPF	chondroitin polymerizing factor	1.311244245	1.93525376	31.012708	40.793703	56.443126	6.49749496	6.88464666	7.44230257	3508	6146	8350
84614	NM_001122770,NM_001346115	ZBTB37	zinc finger and BTB domain cont	1.151981134	1.934965706	0.901529	0.966869	1.617641	1.55375576	1.69172362	2.2474368	76	117	181
9123	NM_001042422,NM_001042423	SLC16A3	solute carrier family 16 member 3	1.867360227	1.934473842	211.793548	396.535014	385.547726	8.72704906	9.62647137	9.67734939	16597	41410	39489
55361	NM_018425	PI4K2A	phosphatidylinositol 4-kinase type	-1.192313594	1.934176909	7.977424	6.695348	14.501628	5.06723449	4.8217002	5.99807984	1277	1431	3038
92154	NM_138383	MTSS1L	MTSS1L, I-BAR domain containi	-1.234778983	1.933347497	44.063725	35.724743	80.055283	7.74499725	7.44231817	8.69285724	8383	9071	19934
253650	NM_001331100,NM_147195	ANKRD18A	ankyrin repeat domain 18A	-4.19763606	1.933035908	0.915421	0.218035	1.663085	2.25390578	0.92294555	3.05131575	148	47	352
9567	NM_004286	GTPBP1	GTP binding protein 1	1.651820648	1.931508097	13.341378	22.062538	24.216057	6.05664057	6.7721428	6.99590748	2574	5681	6115
928	NM_001330312,NM_001769	CD9	CD9 molecule	-1.803936071	1.931465026	202.582993	112.430099	367.715851	8.02344385	7.17673423	8.97047061	10176	7537	24174
10735	NM_001042749,NM_001042750	STAG2	stromal antigen 2	1.26224765	1.930995217	16.858057	21.915258	31.6873	6.70086458	7.03398331	7.64352661	4045	6822	9607
100289495	NR_040022	LOC100289495	uncharacterized LOC100289495	1.035997523	1.930786668	0.086893	0.090234	0.154638	0.41264541	0.42561204	0.71544405	13	18	31
161176	NM_152592,NR_026779	SYNE3	spectrin repeat containing nuclea	-2.126274093	1.930682654	8.303926	3.513045	9.182648	4.70114026	3.67379966	5.62334321	982	617	2332
22974	NM_012112	TPX2	TPX2, microtubule nucleation fac	1.425089223	1.930643416	51.54998	73.54213	93.523949	7.52981716	8.03854519	8.47514157	7216	13740	17135
60468	NM_001170794,NM_021813	BACH2	BTB domain and CNC homolog 2	2.219208637	1.930459247	0.011528	0.029668	0.023693	0.17294258	0.36283659	0.32020933	5	15	12
163747	NM_001110533,NM_152607	LEXM	lymphocyte expansion molecule	4.417462774	1.930459247	0.068876	0.038891	0.133964	0.17294258	0.65251278	0.32020933	5	30	12
389337	NM_001001669	ARHGEF37	Rho guanine nucleotide exchang	-1.725236632	1.930117212	1.879514	1.089464	3.412566	3.30959645	2.6243808	4.18661421	350	271	831
54828	NM_001099432,NM_001320470	BCAS3	BCAS3, microtubule associated c	1.330834727	1.929885513	3.284014	4.411447	6.035975	3.66865353	4.05258161	4.56160497	460	818	1092
5826	NM_005050,NR_003256	ABCD4	ATP binding cassette subfamily D	1.490332156	1.928683403	7.949095	11.642824	14.113047	4.61678723	5.17299774	5.53589126	924	1840	2192
80055	NM_001321099,NM_001321100	PGAP1	post-GPI attachment to proteins	1.6525760111	1.928492726	1.423537	2.377549	2.602875	4.04765842	4.73760421	4.95263026	610	1347	1447
2194	NM_004104	FASN	fatty acid synthase	1.029474916	1.927818603	50.55817	52.105312	91.593132	8.70511649	8.74692646	9.65042591	16346	22484	38758
100113407	NM_001100829	TMEM170B	transmembrane protein 170B	1.308727832	1.927745571	0.097384	0.128169	0.180284	0.86002952	1.04792463	1.36396013	32	56	76
391322	NM_001144931	LOC391322	D-dopachrome tautomerase-like	1.938114592	1.927745571	1.484664	2.855747	2.67539	0.86002952	1.36863803	1.36396013	32	83	76
286144	NM_001171795,NM_001171796	TRIQK	triple QxxK/R motif containing	-1.579819774	1.926580629	4.447066	2.778202	7.996725	4.07407972	3.46301778	4.97844822	622	526	1474

7873	NM_006010	MANF	mesencephalic astrocyte derived	1.327339673	1.926215281	50.237461	66.768997	90.970619	5.5886112	5.98975653	6.51993332	1850	3281	4383
3155	NM_000191,NM_001166059	HMGCL	3-hydroxymethyl-3-methylglutary	1.22175587	1.925721252	14.880814	18.402092	27.170191	4.58957318	4.86764197	5.50595994	906	1479	2146
90321	NM_001010851	ZNF766	zinc finger protein 766	-1.262883088	1.925556277	5.916564	4.69068	10.708282	4.18126603	3.86524379	5.08791408	673	712	1594
360023	NM_194314,NR_135153	ZBTB41	zinc finger and BTB domain cont	-1.045859579	1.924713014	2.74155	2.626871	4.967087	4.56494429	4.50304006	5.4800877	890	1137	2107
57604	NM_001099677,NM_020844	KIAA1456	KIAA1456	1.307702239	1.924517863	0.04363	0.058152	0.079095	0.49317359	0.61708849	0.83750224	16	28	38
169841	NM_001301275,NM_003448,NM	ZNF169	zinc finger protein 169	1.181483058	1.924283426	0.790138	0.949274	1.292579	1.55375576	1.71704117	2.24113096	76	120	180
10955	NM_006811,NM_198941	SERINC3	serine incorporator 3	1.088462835	1.924113731	32.40697	35.464098	60.209458	7.08391271	7.20534268	8.02300497	5287	7689	12512
5358	NM_001136025,NM_001172335	PLS3	plastin 3	-1.021847264	1.923973903	32.496435	33.108394	59.842156	6.84910932	6.81820237	7.78719361	4487	5867	10618
200958	NM_001282506,NM_001291833	MUC20	mucin 20, cell surface associated	-1.603536233	1.923820961	56.347473	34.952042	101.055939	6.86369731	6.18987729	7.80172795	4533	3777	10726
55353	NM_018407	LAPTM4B	lysosomal protein transmembran	1.544537629	1.923571155	55.040257	85.114662	99.501923	6.9181888	7.54116363	7.85625366	4709	9718	11141
8731	NM_001308263,NM_003799	RNMT	RNA guanine-7 methyltransferas	1.586768341	1.922530586	8.886506	11.485027	13.560492	5.45341658	6.10731444	6.38058222	1681	3564	3975
57185	NM_001322854,NM_001322855	NIPAL3	NIPA like domain containing 3	-1.173675336	1.922104188	5.708221	4.371345	9.650607	4.35831669	4.13941485	5.26695724	766	872	1811
26012	NM_001130969,NM_001130970	NSMF	NMDA receptor synaptonuclear s	2.323031155	1.921946287	10.148852	23.512828	18.301246	5.2001212	6.39366563	6.12379429	1404	4358	3319
11001	NM_001159629,NM_003645	SLC27A2	solute carrier family 27 member 2	-1.206989187	1.921840131	5.824161	4.853225	10.528788	3.8655291	3.61440811	4.75988697	533	590	1260
7259	NM_003309	TSPYL1	TSPY like 1	1.555871026	1.921668062	5.797248	9.032793	10.473209	4.94013441	5.5610149	5.85984164	1166	2424	2756
8976	NM_003941	WASL	Wiskott-Aldrich syndrome like	-1.374376239	1.921161869	7.598558	5.536016	13.721992	5.08358236	4.64060352	6.00507466	1292	1256	3053
7461	NM_003388,NM_032421	CLIP2	CAP-Gly domain containing linke	-2.176242783	1.920710107	2.836573	1.306436	5.125456	4.00938005	2.98897501	4.90755118	593	364	1401
27285	NM_014466	TEKT2	tektin 2	1.25321871	1.920655132	5.10168	6.405004	9.22337	3.08983317	3.38091595	3.9480763	295	494	697
80110	NM_025040	ZNF614	zinc finger protein 614	-7.838737256	1.920416567	0.425315	0.050428	0.777944	1.56621863	0.31941552	2.2537152	77	13	182
158405	NM_001287036,NM_001287038	KIAA1958	KIAA1958	-1.115654109	1.91987059	1.123779	1.018627	2.049371	3.22958708	3.08932884	4.09517603	329	394	777
54820	NM_001143979,NM_017668	NDE1	nudE neurodevelopment protein	1.101346022	1.91980439	4.42655	4.86237	7.975031	3.89547266	4.02581645	4.78935776	545	802	1287
65010	NM_001040454,NM_001281732	SLC26A6	solute carrier family 26 member 6	1.484119863	1.919727165	4.117024	6.025469	7.34308	3.53238053	4.0608449	4.41245104	415	823	980
4299	NM_001166693,NM_001313959	AFF1	AF4/FMR2 family member 1	1.176353365	1.919421637	3.511515	4.11202	6.371742	5.03397229	5.2616952	5.95345618	1247	1960	2944
100128966	NR_146628	LOC100128966	uncharacterized LOC100128966	2.690461792	1.918129359	0.351565	1.020397	0.661235	0.26755841	0.63490936	0.47868902	8	29	19
100820829	NM_001018100,NM_152451	MYZAP	myocardial zonula adherens prot	1.16987675	1.917292679	6.467107	7.547797	11.632585	3.99331833	4.20649667	4.88851253	586	916	1382
2524	NM_000511,NM_001097638	FUT2	fucosyltransferase 2	-5.205737137	1.916678412	3.003641	0.571095	5.405152	3.32800968	1.45142181	4.1964253	355	91	837
4199	NM_002395	ME1	malic enzyme 1	1.109342734	1.916549687	7.320899	8.136546	13.196405	4.70537203	4.84963122	5.61726943	985	1460	2322
729440	NM_001267723	CCDC61	coiled-coil domain containing 61	-1.333292546	1.915790714	6.995739	5.249619	12.605742	3.74737673	3.36765473	4.63318145	488	489	1150
373	NM_001656,NM_033227,NM_03	TRIM23	tripartite motif containing 23	1.676251934	1.915747744	2.036407	3.375768	3.619048	3.11125378	3.78770843	3.96730515	300	672	707
51195	NM_001303533,NM_001303534	RAPGEFL1	Rap guanine nucleotide exchang	-1.488007153	1.914960935	19.247081	12.820532	33.733909	6.28255717	5.71816702	7.21101548	3017	2709	7106
3171	NM_004497	FOXA3	forkhead box A3	2.132075795	1.914630978	1.134542	2.434383	2.057939	1.6852613	2.51796519	2.39105499	87	248	205
811	NM_004343	CALR	calreticulin	1.247612263	1.913823148	368.387421	460.11145	662.53125	9.42296357	9.74171716	10.35842006	26910	44858	63343
23492	NM_001346743,NM_001346744	CBX7	chromobox 7	-1.01456162	1.91238945	2.339583	2.313193	4.322833	3.3677101	3.34888182	4.23501577	366	482	861
51760	NM_001308157,NM_001330509	SYT17	synaptotagmin 17	1.000266076	1.912137783	2.827095	2.672453	4.793473	3.18583679	3.18617855	4.04356865	318	425	748
84787	NM_032701	KMT5C	lysine methyltransferase 5C	-1.327702095	1.911583616	14.353821	10.817962	25.783697	5.05623208	4.66140215	5.97023307	1267	1275	2979
84271	NM_001278657,NM_032311,NM	POLDIP3	DNA polymerase delta interacting	1.193024969	1.911535653	11.286013	13.449134	20.252531	5.2722583	5.52084648	6.18912959	1478	2356	3475
977	NM_001039490,NM_004357,NM	CD151	CD151 molecule (Raph blood gro	1.109152761	1.911491437	78.112258	86.956271	140.696659	6.87688916	7.02514203	7.80573942	4575	6780	10756
3707	NM_002221	ITPKB	inositol-trisphosphate 3-kinase B	1.465458513	1.911177742	1.521962	2.235647	2.73452	3.34257292	3.84815806	4.20778788	359	703	844
80129	NM_025059	CCDC170	coiled-coil domain containing 170	1.174775307	1.909196357	0.069229	0.079512	0.123207	0.43999062	0.50527715	0.75138414	14	22	33
4240	NM_001114614,NM_001310319	MFGE8	milk fat globule-EGF factor 8 prot	-1.456448339	1.908740248	5.382853	3.726258	10.021654	3.51962058	3.03332122	4.39125092	411	377	965
2224	NM_001135821,NM_001135822	FDPS	farnesyl diphosphate synthase	-1.17626181	1.906814012	87.579322	74.461483	155.880407	6.85895655	6.62693041	7.78421487	4518	5132	10596
100506746	NR_038841	AFF1-AS1	AFF1 antisense RNA 1	1.099523058	1.906107538	0.656817	0.724316	1.173913	1.16869613	1.24644988	1.75769337	49	72	115
80740	NM_025261	LY6G6C	lymphocyte antigen 6 family mem	-1.213270575	1.90559328	0.593606	0.488415	1.065669	0.59399636	0.50527715	0.98063768	20	22	47
11153	NM_007076	FICD	FIC domain containing	-1.010500091	1.905025304	1.416701	1.409662	2.549732	1.7191395	1.70865125	2.42483178	90	119	211
3161	NM_001142556,NM_001142557	HMMR	hyaluronan mediated motility rec	1.28476192	1.904618567	29.815589	38.403794	53.513065	6.52009264	6.8711488	7.44213077	3564	6118	8349
4247	NM_002408	MGAT2	mannosyl (alpha-1,6-)-glycoprote	1.532964456	1.904361621	15.387525	23.618858	27.543205	5.37942749	5.98368468	6.22622908	1595	3267	3736
8970	NM_021058	HIST1H2BJ	histone cluster 1 H2B family mem	1.666839853	1.903646021	1.404969	2.344686	2.500817	0.73313634	1.07428646	1.17840727	26	58	61
5597	NM_002748	MAPK8	mitogen-activated protein kinase	-1.174395429	1.901958627	12.005466	10.232116	21.45849	5.65502199	5.42807474	6.56890491	1939	2206	4536
51523	NM_001317199,NM_001317200	CXXC5	CXXC finger protein 5	-1.182301433	1.901047181	19.343169	15.236247	31.992912	5.52459402	5.28868274	6.43649962	1768	1998	4134
23612	NM_012396,NR_073080	PHLDA3	pleckstrin homology like domain	-1.077593058	1.900811632	18.299371	16.444392	32.079341	5.49719403	5.39185113	6.40863599	1734	2150	4054
1457	NM_001895,NM_177559,NM_17	CSNK2A1	casein kinase 2 alpha 1	1.773515633	1.9007573	36.267849	64.364553	64.83044	6.60067932	7.42081106	7.52021206	3771	8936	8816
50814	NM_001129765,NM_015922	NSDHL	NAD(P) dependent steroid dehyd	1.246935082	1.899616892	19.089375	23.948186	34.381015	4.9244889	5.23346232	5.82758721	1153	1921	2694
79735	NM_001168222,NM_024682	TBC1D17	TBC1 domain family member 17	-1.207775553	1.897277602	11.854886	9.801525	21.103108	4.8242841	4.56244519	5.72399823	1073	1187	2504
10163	NM_001201404,NM_006990	WASF2	WAS protein family member 2	1.205667301	1.896417987	16.646164	20.274605	30.200707	6.54391798	6.8111171	7.45988874	3624	5838	8453
55751	NM_018241	TMEM184C	transmembrane protein 184C	1.467819085	1.89640018	4.544482	6.680947	8.106395	3.82462152	4.34556265	4.69907543	517	1014	1206
929	NM_000591,NM_001040021,NM	CD14	CD14 molecule	1.620817058	1.895923027	1.325918	2.170977	2.382047	1.65056839	2.16012918	2.33885915	84	182	196
84458	NM_001170765,NM_001170766	LCOR	ligand dependent nuclear recepto	-2.505151303	1.895860761	3.299125	1.703388	6.058535	4.929321	3.67379966	5.82969004	1157	617	2698
147	NM_000679	ADRA1B	adrenoceptor alpha 1B	1.960277796	1.894889289	0.521722	1.024105	0.930077	1.10178443	1.70021226	1.66651905	45	118	105
729877	NM_001123392,NM_001123392	TBC1D3H	TBC1 domain family member 3H	1.631720884	1.894881768	2.033124	3.317315	3.620631	2.38631541	2.98202989	3.17224778	166	362	387
56548	NM_019886	CHST7	carbohydrate sulfotransferase 7	2.399523684	1.894081312	0.341524	0.834665	0.617149	0.88013425	1.59489542	1.37552141	33	106	77
100270746	NR_026776	LOC100270746	uncharacterized LOC100270746	1.563082385	1.894081312	0.915525	1.425145	1.635386	0.88013425	1.21124797	1.37552141	33	69	77
54557	NM_019072	SGTB	small glutamine rich tetratricopep	1.252585058	1.893540999	1.583942	1.988837	2.824019	3.23740108	3.53121349	4.08464905	331	554	771
51201	NM_016353	ZDHHC2	zinc finger DHHC-type containing	-1.877309252	1.891632289	2.373006	1.262409	4.218129	3.36057263	2.56983975	4.21263029	364	259	847
5731	NM_000955	PTGER1	prostaglandin E receptor 1	-3.938343863	1.891565762	0.324779	0.075121	0.58	0.54446555	0.15624221	0.90287695	18	6	42
27134	NM_001267560,NM_001267561	TJP3	tight junction protein 3	-1.646325817	1.891483066	23.906102	14.580195	42.575186	6.20398443	5.49729379	7.1142756	2855	2317	6642
55342	NM_001171137,NM_018387,NR	STRBP	spermatid perinuclear RNA bindi	1.177145373	1.890490274	4.5657	5.373238	8.148068	4.88274916	5.11068396	5.77835625	1119	1760	2602
132014	NM_001193380,NM_153480,NM	IL17RE	interleukin 17 receptor E	1.071837593	1.889987003	2.709354	2.906857	4.887045	3.02359429	3.11177339	3.85616495	280	401	651
135154	NM_145267	SDHAF4	succinate dehydrogenase comple	-1.185386687	1.889874207	6.230849	5.265914	11.132738	2.07360076	1.89025622	2.82126674	126	142	293
54926	NM_017811	UBE2R2	ubiquitin conjugating enzyme E2	1.102342136	1.889204171	9.516912	10.504936	16.901865	5.40306784	5.54047969	6.30475523	1622	2389	3769
8362	NM_003541	HIST1H4K	histone cluster 1 H4 family memb	1.368840535	1.888814955	0.879872	1.174869	1.567576	0.38477185	0.50527715	0.65979727	12	22	28
100132159	NR_120496,NR_120497	CALML3-AS1	CALML3 antisense RNA 1	-2.633321293	1.888814955	0.084502	0.031657	0.150337	0.38477185	0.15624221	0.65979727	12	6	28
134353	NM_173491	LSM11	LSM11, U7 small nuclear RNA as	-1.246899289	1.887646267	3.109824	2.496289	5.517644	4.38845666	4.08697381	5.27237862	783	839	1818
10933	NM_001265603,NM_001265604	MORF4L1	mortality factor 4 like 1	1.368396599	1.88737456	66.149823	90.414819	117.461301	6.90168761	7.3509309	7.81240051	4655	8511	10806
7086	NM_001064,NM_001135055,NM	TKT	transketolase	1.30975553	1.887308712	83.622326	108.984525	148.19735	7.48046358	7.86785453	8.39300181	6972	12201	16184
10972	NM_006827	TMED10	transmembrane p24 trafficking pr	1.29036013	1.887278951	74.652557	96.44194	132.40358	8.23946164	8.60616376	9.15352973	11826	20389	27451
339483	NR_026850	MTMR9LP	myotubularin related protein 9-lik	1.475266328	1.887106039	0.415569	0.615388	0.73818	0.95786335	1.25799553	1.47560397	37	73	86
221400	NM_001010870,NM_001168359	TDRD6	tudor domain containing 6	4.038678222	1.886081071	0.023314	0.172897	0.098927	0.29776659	0.95166931	0.52094563	9	49	21
1174	NM_001283	AP1S1	adaptor related protein complex	-1.022903034	1.885843014	30.216364	29.583488	53.583736	5.29208934	5.2660072	6.1899483	1499	1958	3477
114793	NM_052905	FMNL2	formin like 2	-1.279843964	1.885575534	5.655101	4.42626	10.026295	4.987237	4.64390751	5.88078182	1206	1259	2797
11119	NM_001145008,NM_001145009	BTN3A1	butyrophilin subfamily 3 member	-1.336030489	1.88552862	3.57597	2.864896	6.643038	3.84009957	3.45551618	4.70710452	523	523	1213
11046	NM_001286990,NM_007001,NR	SLC35D2	solute carrier family 35 member D	-1.168331133	1.885525393	11.55262	10.212574	21.63119	4.38318339	4.17029377	5.26540453	780	892	1809
79709	NM_024656	COLGALT1	collagen beta(1-O)galactosyltran	1.224761364	1.884479074	34.701683	42.554119	61.458767	6.98033279	7.27074087	7.88914127	4918	8048	11399
3673	NM_002203,NR_073103,NR_07	ITGA2	integrin subunit alpha 2	1.081009218	1.884138719	26.946018	29.365206	48.017057	7.69355889	7.80541678	8.60419941	8088	11682	18743
23767	NM_013281,NM_198391	FLRT3	fibronectin leucine rich transmem	1.962099884	1.883898817	0.978525	2.022996	1.82079	2.27683528	3.09577728	3.04408938	151	396	350
123096	NM_001039355,NM_001291813	SLC25A29	solute carrier family 25 member 2	-1.780642192	1.883282442	8.976105	4.936513	15.507989	4.53196733	3.74731998	5.41575311	869	652	2013
414	NM_001669,NM_009589	ARSD	arylsulfatase D	-1.400839544	1.883105397	4.234617	2.990915	7.344084	4.41797983	3.95841731	5.29918407	800	763	1853
2760	NM_000405,NM_001167607	GM2A	GM2 ganglioside activator	1.239726304	1.882753684	9.950594	12.396785	17.644868	5.19912125	5.50154961	6.09348707	1403	2324	3249
84518	NM_032488	CNFN	cornifelin	1.435131518	1.882321382	1.215149	1.749252	2.194181	0.71085839	0.93737891	1.13825079	25	48	58
51150	NM_016176,NM_016547	SDF4	stromal cell derived factor 4	1.226596021	1.882042371	64.042312	78.708391	113.477837	6.99481123	7.28738593	7.90181442	4968	8142	11500
340120	NM_001004441	ANKRD34B	ankyrin repeat domain 34B	1.823300959	1.881488083	0.267501	0.49597	0.479696	1.03161781	1.5392062	1.56919173	41	100	95
102725126	NR_136306	LOC102725126	FSHD region gene 1 pseudogene	1.331712598	1.881488083	1.06001	1.416631	1.87701	1.03161781	1.25799553	1.56919173	41	73	95
6256	NM_001291920,NM_001291921	RXRA	retinoid X receptor alpha	1.074328847	1.881251356	11.860337	12.66397	21.043589	6.02482449	6.12673052	6.92612999	2517	3613	5824
79772	NM_001002796,NM_001297777	MCTP1	multiple C2 and transmembrane	1.125310201	1.8809139	3.202967	3.604835	5.632219	3.92722123	4.08697381	4.79367305	558	839	1291
2145	NM_001321079,NM_001321081	EZH1	enhancer of zeste 1 polycomb re	1.178923811	1.880738399	11.278919	13.347224	19.997953	5.70448427	5.9377612	6.60280823	2008	3163	4645
55222	NM_001278211,NM_001278212	LRRC20	leucine rich repeat containing 20	-1.613680076	1.880737795	4.733848	2.618854	8.522898	3.91265481	3.27976824	4.77851272	552	457	1277
65065	NM_001114132	NBEAL1	neurobeachin like 1	1.517538204	1.880721468	0.826125	1.257587	1.463257	3.05488459	3.59633059	3.88273891	287	582	664
1747	NM_005220	DLX3	distal-less homeobox 3	3.571567149	1.880663449	0.056842	0.213617	0.106101	0.20517559	0.63490936	0.36729312	6	29	14
51754	NM_001042589,NM_001042590	TMEM8B	transmembrane protein 8B	1.287912276	1.879854869	1.470569	1.655877	2.227736	2.24618091	2.541776	3.00740444	147	253	340
93233	NM_144577	CCDC114	coiled-coil domain containing 114	-1.482465361	1.879666567	1.557594	1.048564	2.754093	2.55837852	2.10365798	3.34978031	192	173	444

171017	NM_001039920,NM_001135734	ZNF384	zinc finger protein 384	2.136851769	1.87873884	9.311323	20.07514	16.394086	4.89144191	5.96090566	5.77835625	1126	3215	2602
201232	NM_201566	SLC16A13	solute carrier family 16 member	1.041709681	1.878141619	2.211916	2.308476	3.906898	2.25390578	2.30073045	3.01481644	148	206	342
3694	NM_000888,NM_001282353,NM	ITGB6	integrin subunit beta 6	1.518496983	1.877737997	15.44719	23.071719	26.818351	6.10442241	6.69990858	7.00361147	2662	5401	6148
54971	NM_001173539,NM_001173540	BANP	BTG3 associated nuclear protein	-1.324700402	1.8775909	3.942432	2.948969	7.060786	3.31698997	2.95745524	4.15677414	352	355	813
222484	NM_153371	LNX2	ligand of numb-protein X 2	1.202525713	1.877515773	1.756975	2.115357	3.103428	3.2058879	3.44545299	4.03994054	323	519	746
10159	NM_005765	ATP6AP2	ATPase H+ transporting accesso	1.385416643	1.876664173	29.503632	40.929085	52.048748	5.89499076	6.35856873	6.7918238	2297	4252	5302
9695	NM_014674	EDEM1	ER degradation enhancing alpha	1.205962734	1.876618927	11.033875	13.325662	19.4634	6.06873521	6.33525512	6.96682461	2596	4183	5992
51704	NM_001304771,NM_016235	GPRC5B	G protein-coupled receptor class	1.751148092	1.876528833	2.858091	5.431659	5.463682	3.29843463	4.04260277	4.13653226	347	812	801
83464	NM_001145646,NM_031301	APH1B	aph-1 homolog B, gamma-secret	4.562045647	1.875747221	0.429776	1.958632	0.744086	1.449976515	3.15564136	2.08792485	68	415	157
80127	NM_025057	BBOF1	basal body orientation factor 1	2.526531666	1.875423645	0.347809	0.894456	0.619253	1.04948198	1.89025622	1.58918956	42	142	97
20	NM_001606,NM_212533	ABCA2	ATP binding cassette subfamily A	1.347651001	1.875422465	14.081431	18.995995	24.817943	6.8175298	7.24468238	7.71877963	4389	7903	10124
115290	NM_024907,NM_148169,NR_10	FBXO17	F-box protein 17	-1.328438557	1.875373654	2.006719	1.521782	3.588921	2.47491059	2.14776967	3.2559454	179	180	413
7056	NM_000361	THBD	thrombomodulin	2.662103177	1.874727055	9.60831	25.608812	16.926893	5.27510805	6.66428769	6.16434954	1481	5268	3415
8969	NM_021064	HIST1H2AG	histone cluster 1 H2A family men	1.40063497	1.874055766	0.82715	1.172129	1.476329	0.49317359	0.65251278	0.82068496	16	30	37
10794	NM_001330622,NM_006635	ZNF460	zinc finger protein 460	1.380818599	1.873985924	3.187984	4.518133	5.626738	3.5668994	3.99854533	4.41525433	426	786	982
10381	NM_001197181,NM_006086	TUBB3	tubulin beta 3 class III	-1.062436358	1.87383952	13.138192	12.381781	23.084949	4.56339093	4.47980886	5.44073202	889	1118	2049
50484	NM_001172477,NM_001172478	RRM2B	ribonucleotide reductase regulat	1.101659158	1.872960231	2.453389	2.710976	4.331433	3.68016614	3.80944938	4.53220782	464	683	1069
1163	NM_001826,NR_024163	CKS1B	CDC28 protein kinase regulatory	1.18196805	1.872851346	84.839101	100.528759	149.477445	6.10442241	6.34239053	6.99988134	2662	4204	6132
6310	NM_000332,NM_001128164	ATXN1	ataxin 1	1.315875852	1.872838641	1.189845	1.571231	2.103098	3.73639016	4.10626455	4.59041505	484	851	1115
55788	NM_018368	LMBRD1	LMBR1 domain containing 1	-1.005183786	1.872368308	7.359303	7.33393	12.95621	4.13391036	4.12687582	5.00008264	650	864	1497
83452	NM_031296	RAB33B	RAB33B, member RAS oncogen	-1.173974747	1.87215165	2.008362	1.710403	3.529826	3.09843961	2.89597101	3.92268941	297	338	684
352909	NM_001256714,NM_001256715	DNAAF3	dynein axonemal assembly facto	1.270047881	1.872034144	3.187987	4.069295	5.557214	2.99622306	3.30224686	3.81430154	274	465	631
55160	NM_001011722,NM_001319837	ARHGEF10L	Rho guanine nucleotide exchang	-1.123129955	1.872026466	7.786726	6.873912	14.400555	5.20411411	5.04138697	6.09042103	1408	1675	3242
389791	NR_024425	PTGES2-AS1	PTGES2 antisense RNA 1 (head	1.54441331	1.871428242	0.56347	0.883845	1.003144	1.11880553	1.49109792	1.67590018	46	95	106
376940	NM_198581	ZC3H6	zinc finger CCCH-type containing	-1.912617886	1.871097292	1.329816	0.696105	2.339221	3.99562384	3.14012691	4.85689977	587	410	1351
57191	NM_020633	VN1R1	vomeronasal 1 receptor 1	1.063769566	1.870937038	2.652582	2.820662	4.662993	2.33625658	2.40826098	3.10091148	159	226	366
78992	NM_001321439,NM_001321440	YIPF2	Yip1 domain family member 2	-1.016582846	1.870853829	22.527211	23.126442	41.362652	5.23371374	5.21061989	6.11950347	1438	1890	3309
81565	NM_001025579,NM_001330129	NDEL1	nudE neurodevelopment protein	-1.048083788	1.86983022	10.41676	9.930004	18.310226	4.66538426	4.60035389	5.54167545	957	1220	2201
25920	NM_015456	NELFB	negative elongation factor compl	1.295849297	1.869669094	24.223488	31.427059	42.564693	5.94714364	6.31570776	6.83904003	2383	4126	5480
8492	NM_003619	PRSS12	protease, serine 12	-1.083013832	1.86902742	5.259779	4.864577	9.24389	4.61078367	4.50061221	5.48543279	920	1135	2115
285172	NM_001321618,NM_001321619	FAM126B	family with sequence similarity 12	1.310442739	1.868837996	2.8879	3.793327	5.083339	4.79148701	5.16918099	5.66927404	1048	1835	2409
868	NM_001321786,NM_001321788	CBLB	Cbl proto-oncogene B	1.784863156	1.86853964	0.861322	1.603453	1.555381	2.78321062	3.5240591	3.58455875	231	551	531
29978	NM_013444	UBQLN2	ubiquilin 2	1.507449992	1.868159157	3.743929	5.657609	6.580961	3.7528388	4.30856691	4.60399302	490	987	1126
57720	NM_001136557,NM_001136558	GPR107	G protein-coupled receptor 107	1.206156828	1.867934004	16.287705	19.383146	29.172383	6.73576237	7.00387066	7.6309204	4145	6680	9523
55806	NM_005144,NM_018411	HR	HR, lysine demethylase and nucl	1.220922503	1.867737314	0.536369	0.660668	0.96306	1.96484452	2.18453503	2.68388473	114	186	262
22898	NM_014957	DENND3	DENN domain containing 3	-2.609632634	1.867722524	10.250425	3.929003	17.992449	5.78998672	4.44740017	6.67913671	2133	1092	4900
9993	NM_001173533,NM_001173534	DGCR2	DiGeorge syndrome critical regio	1.459945592	1.866929359	14.314153	21.062444	25.137557	5.98882325	6.52758268	6.87893309	2454	4787	5635
10882	NM_006688	C1QL1	complement C1q like 1	-3.312748522	1.866777903	0.514073	0.152543	0.918405	0.81895953	0.29720487	1.28032816	30	12	69
9580	NM_005686	SOX13	SRY-box 13	1.054458798	1.866317266	7.364017	7.772953	12.916916	4.91721027	4.99125166	5.7951333	1147	1616	2633
84959	NM_032873	UBASH3B	ubiquitin associated and SH3 dor	-2.542053477	1.865332871	1.786816	0.702276	3.135323	3.70291935	2.51796519	4.55017297	472	248	1083
64763	NM_001330519,NM_022752	ZNF574	zinc finger protein 574	1.234733904	1.865232629	6.270728	7.753782	10.994428	4.33118941	4.62173661	5.19700577	751	1239	1723
84868	NM_032782	HAVCR2	hepatitis A virus cellular receptor	1.457001873	1.865167344	0.21404	0.311398	0.370359	0.59399636	0.80196545	0.96541723	20	39	46
400579	NR_104343	LINC02076	long intergenic non-protein codin	1.084776333	1.865167344	0.267294	0.29793	0.479066	0.59399636	0.63490936	0.96541723	20	29	46
22875	NM_014936	ENPP4	ectonucleotide pyrophosphatase	-1.193982527	1.865101747	4.085527	3.425349	7.159501	4.29420754	4.05258161	5.15904416	731	818	1677
728621	NM_001080850	CCDC30	coiled-coil domain containing 30	3.64772358	1.864800911	0.029735	0.090622	0.044053	0.10623215	0.36283659	0.19530369	15	15	7
100647046	NR_049808	MIR5010	microRNA 5010	1.720640609	1.864800911	0.488618	1.042045	1.03491	0.10623215	0.18071335	0.19530369	3	7	7
102466755	NR_106935	MIR6875	microRNA 6875	1.238869866	1.864800911	0.777068	1.199494	1.92956	0.10623215	0.13134883	0.19530369	3	5	7
100289410	NR_034002	MCF2L-AS1	MCF2L antisense RNA 1	1.96152598	1.864800911	0.045301	0.132072	0.11086	0.10623215	0.20477631	0.19530369	3	8	7
692076	NR_003037	SNORD7	small nucleolar RNA, C/D box 7	4.129494323	1.864800911	0.707639	3.271272	1.346561	0.10623215	0.40498891	0.19530369	3	17	7
377841	NM_001033113,NM_198585	ENTPD8	ectonucleoside triphosphate diph	-4.371216231	1.864077081	2.990304	0.682633	5.282352	2.87623322	1.29208824	3.68088855	249	76	571
22978	NM_001134373,NM_001351169	NT5C2	5'-nucleotidase, cytosolic II	-1.691269101	1.863493309	36.299823	21.689456	63.705875	7.00400175	6.25362336	7.89680865	5000	3950	11460
7483	NM_003395	WNT9A	Wnt family member 9A	-1.201549503	1.863420635	0.550704	0.472981	0.985701	0.7550755	0.65251278	1.19154816	27	30	62
2970	NR_002206,NR_002206_dup1	GTF2IP1	general transcription factor III pse	-1.13591566	1.863266932	11.034906	9.725157	19.324747	5.32271189	5.14373402	6.20379585	1532	1802	3511
310	NM_001156,NM_001320879,NM	ANXA7	annexin A7	1.120920002	1.86280523	34.678314	38.608349	60.30179	6.38811426	6.55094329	7.27761365	3249	4866	7444
115572	NM_052943	FAM46B	family with sequence similarity 46	1.030188504	1.86255868	3.744929	3.859028	6.554744	3.27204958	3.31058687	4.09866803	340	468	779
81844	NM_030961	TRIM56	tripartite motif containing 56	1.021791461	1.861852035	3.756458	3.84502	6.577163	4.19336823	4.22279084	5.05324052	679	927	1555
5218	NM_001287135,NM_001287136	CDK14	cyclin dependent kinase 14	-1.406733453	1.860939642	2.839654	2.040565	5.063063	3.92480368	3.47048058	4.7763339	557	529	1275
8897	NM_021090,NM_153050,NM_15	MTMR3	myotubularin related protein 3	1.024710287	1.860532194	4.479565	4.606374	7.832431	5.32637993	5.36073105	6.20541627	1536	2103	3515
56649	NM_001083947,NM_001173551	TMPRSS4	transmembrane protease, serine	-1.386520662	1.860408545	10.845	7.818664	18.934499	5.25215086	4.79520018	6.13020668	1457	1404	3334
6609	NM_000543,NM_001007593,NM	SMPD1	sphingomyelin phosphodiesteras	1.57432993	1.860053285	4.583259	7.30279	8.055639	3.59149522	4.20202068	4.4305758	434	913	993
114908	NM_052932	TMEM123	transmembrane protein 123	1.208252874	1.860050474	40.135181	48.547123	70.155251	7.1425652	7.41373148	8.03319161	5508	8892	12601
161436	NM_183387	EML5	echinoderm microtubule associat	1.155730254	1.859912006	0.327744	0.379272	0.572096	1.7191305	1.86782539	2.39673966	90	139	206
284297	NM_001144950,NM_001195267	SSC5D	scavenger receptor cysteine rich	1.143759485	1.859565797	0.086358	0.103243	0.155785	0.5190475	0.58077243	0.85412573	17	26	39
283518	NM_173605,NM_199464	KCNRG	potassium channel regulator	1.712511419	1.859565797	0.279295	0.48881	0.484419	0.5190475	0.80196545	0.85412573	17	39	39
653659	NM_001079809	TMEM183B	transmembrane protein 183B	1.197003336	1.859030301	14.807229	17.733944	25.859482	4.66393542	4.91399145	5.53202221	956	1529	2186
11252	NM_001184970,NM_001184971	PACSIN2	protein kinase C and casein kina	1.058686531	1.85886428	14.377781	15.356979	25.242127	5.5514833	5.6320572	6.43166217	1802	2549	4120
84440	NM_001303542,NM_001346747	RAB11FIP4	RAB11 family interacting protein	-1.62699535	1.858428058	2.400903	1.477466	4.197755	4.35831669	3.69943092	5.2196331	766	629	1751
23558	NM_001330499,NM_001348170	WBP2	WW domain binding protein 2	-1.461338991	1.857996813	75.989915	52.173305	133.390549	7.1873749	6.64463086	8.07655789	5683	5196	12987
101241892	NR_103844	NPTN-IT1	NPTN intronic transcript 1	1.780660713	1.856877219	0.631156	1.127142	1.102367	1.38110603	1.94842076	1.99354404	63	150	144
199692	NM_001290083,NM_001290084	ZNF627	zinc finger protein 627	1.53691177	1.856381884	3.010312	4.636181	5.307795	3.25290323	3.81922435	4.07404468	335	688	765
5874	NM_004163	RAB27B	RAB27B, member RAS oncogen	-1.459001592	1.855941975	2.614119	1.792932	4.560544	4.2349439	3.72461474	5.09142367	700	641	1598
5205	NM_005603	ATP8B1	ATPase phospholipid transportin	-1.240170627	1.855744024	7.858434	6.345662	13.706649	5.53731025	5.23419318	6.41495239	1784	1922	4072
100652736	NR_103767	LINC01311	long intergenic non-protein codin	1.729859556	1.855661238	0.807635	1.394174	1.403412	0.91952222	1.34717796	1.40965954	35	81	80
221416	NM_001171992,NM_001324369	C6orf223	chromosome 6 open reading fran	-19.34123007	1.854701623	1.370456	0.067142	2.404202	3.00997359	0.44594451	3.81642381	277	19	632
10628	NM_001313972,NM_006472	TXNIP	thioredoxin interacting protein	1.403506078	1.854676611	64.94166	88.71217	109.542657	7.5071705	7.99393027	8.39468951	7103	13320	16203
56675	NM_020645	NRIP3	nuclear receptor interacting prote	-8.095670806	1.854024362	0.877038	0.103534	1.528789	2.09095564	0.48576948	2.81703332	128	21	292
999	NM_001317184,NM_001317185	CDH1	cadherin 1	1.009325037	1.85354662	125.686154	126.973737	218.7896	9.20480534	9.21817366	10.09397069	23128	31190	52726
115361	NM_052941	GBP4	guanylate binding protein 4	-1.744647295	1.851940236	2.433777	1.396192	4.235852	3.96064828	3.22493445	4.80654202	572	438	1303
84734	NM_032648	FAM167B	family with sequence similarity 16	1.448591556	1.851788163	0.871407	1.257262	1.509119	0.86002952	1.12560759	1.32870978	32	62	73
11155	NM_001080114,NM_001080115	LDB3	LIM domain binding 3	-1.099499183	1.851582659	0.066356	0.059955	0.126794	0.43999062	0.40498891	0.73352601	14	17	32
101928042	NR_135833	LOC101928042	uncharacterized LOC101928042	-1.434126113	1.851582659	0.623862	0.422942	1.104382	0.43999062	0.31941552	0.73352601	14	13	32
79899	NM_001160167,NM_001160168	PRR5L	proline rich 5 like	1.049297005	1.851430876	0.642134	0.671296	1.110087	1.79522562	1.84504029	2.47942639	97	136	221
57402	NM_020672	S100A14	S100 calcium binding protein A14	1.11793242	1.851187632	35.28009	39.492523	61.379623	5.2258797	5.38265132	6.0965466	1430	2136	3256
79665	NM_001166301,NM_024612	DHX40	DEAH-box helicase 40	-1.276681044	1.8508741	8.11884	6.367269	14.130355	4.90744794	4.56825335	5.77344872	1139	1192	2593
10905	NM_006699	MAN1A2	mannosidase alpha class 1A mer	1.470497622	1.850551494	2.211739	3.258382	3.848285	3.65704831	4.17639102	4.49161333	456	896	1038
57544	NM_001160047,NM_020784	TXNDC16	thioredoxin domain containing 16	1.161931774	1.850442165	1.872597	2.180217	3.262254	3.24517298	3.44039495	4.0615736	333	517	758
440	NM_001178075,NM_001178076	ASNS	asparagine synthetase (glutamin	-1.07711873	1.850294154	47.850893	44.314532	83.575537	6.63065645	6.52459849	7.51172395	3851	4777	8764
9658	NM_014643	ZNF516	zinc finger protein 516	1.041617462	1.850108416	4.621767	4.818817	8.034273	5.31534771	5.37272883	6.18626042	1524	2121	3468
2549	NM_002039,NM_207123	GAB1	GRB2 associated binding protein	-1.12491806	1.849984421	3.51528	3.126481	6.112869	4.80732269	4.64390751	5.67103429	1060	1259	2412
339983	NM_178557	NAT8L	N-acetyltransferase 8 like	2.716951812	1.849944538	0.111224	0.302435	0.192207	0.71085839	1.45142181	1.12461302	25	91	57
157378	NM_194291	TMEM65	transmembrane protein 65	1.275541343	1.849348452	3.489888	4.456954	6.069258	3.96771155	4.29881852	4.81187039	575	980	1308
28227	NM_013239,chrX,NM_013239,(	PPP2R3B	protein phosphatase 2 regulatory	1.032482255	1.848504771	3.258788	3.370681	5.672897	3.12395512	3.16487058	3.93250653	303	418	689
100528064	NM_001199823,NR_137630,NR	NEDD8-MDP1	NEDD8-MDP1 readthrough	1.759161871	1.848422193	3.117321	5.334819	5.201301	1.73025772	2.34470901	2.40240201	91	214	207
23588	NM_014315	KLHDC2	kelch domain containing 2	-1.09685002	1.848237594	23.630142	21.566982	41.054096	5.41172615	5.28162956	6.28228282	1632	1988	3710
1152	NM_001823	CKB	creatine kinase B	-1.128893782	1.847793237	7.611496	6.758238	13.23676	3.56379523	3.40448323	4.39267399	425	503	966
55699	NM_018060	IARS2	isoleucyl-tRNA synthetase 2, mit	1.156066822	1.84714721	42.504005	49.195362	73.790894	7.20839903	7.4163099	8.08922983	5767	8908	13102
375316	NM_001080504	RBM44	RNA binding motif protein 44	1.865937883	1.846675859	0.10396	0.203059	0.18867	0.54446555	0.89363826	0.88680889	18	45	41
55108	NM_001143888,NM_001143889	BSDC1	BSD domain containing 1	1.179367917	1.846134783	10.179763	13.482741	19.276695	5.3571874	5.58985296	6.22551943	1570	2474	3565
23285	NM_015237	KIAA1107	KIAA1107	-1.38641176	1.845779616	2.652399	1.913291	4.597986	3.60967076	3.18315375	4.43886489	440	424	999

84837	NR_027263	ARHGAP5-AS1	ARHGAP5 antisense RNA 1 (hea	1.82862972	1.845473802	3.997965	7.315023	6.936513	2.5831188	3.3407609	3.35270793	196	479	445
259290	NM_176885	TAS2R31	taste 2 receptor member 31	1.594696474	1.84487075	0.161857	0.287121	0.296177	0.23670415	0.36283659	0.41288872	7	15	16
102465136	NR_106744	MIR378J	microRNA 378j	2.015933494	1.84487075	1.632555	3.308185	2.910454	0.23670415	0.44594451	0.41288872	7	19	16
101	NM_001109,NM_001164489,NM	ADAM8	ADAM metallopeptidase domain	1.447343522	1.844277644	56.124119	80.983264	96.923179	7.48887551	8.01980515	8.36826051	7013	13562	15908
148254	NM_001172775,NM_152791	ZNF555	zinc finger protein 555	-1.231777309	1.844062603	0.613404	0.497348	1.062574	2.61345921	2.36620557	3.38452567	201	218	456
5017	NM_004561	OVOL1	ovo like transcriptional repressor	-1.230153382	1.843047026	8.040927	6.538261	13.928629	4.62425646	4.33878278	5.47941817	929	1009	2106
375790	NM_001305275,NM_198576	AGRN	agrin	1.706067038	1.842853148	70.728127	120.804862	122.488029	8.98173046	9.75122652	9.86236954	19809	45155	44899
403	NM_004311	ARL3	ADP ribosylation factor like GTPa	-1.408187446	1.842673142	2.629138	1.870444	4.560008	3.45071403	3.009612	4.27105417	390	370	884
51272	NM_001098787,NM_016526	BET1L	Bet1 golgi vesicular membrane tr	1.213850293	1.842393413	7.370906	8.800943	12.665011	4.42483953	4.69258035	5.27546743	804	1304	1822
10000	NM_001206729,NM_005465,NM	AKT3	AKT serine/threonine kinase 3	1.33972269	1.841671501	10.199751	13.647547	17.59519	6.14237278	6.55913304	7.01405106	2734	4894	6193
54732	NM_017510	TMED9	transmembrane p24 trafficking pr	1.426687563	1.841427651	74.659836	106.636406	129.190201	7.57040247	8.08080625	8.44776463	7423	14150	16812
84612	NM_032521	PARD6B	par-6 family cell polarity regulato	-1.86600993	1.841035674	10.414839	5.588742	18.023703	5.57941842	4.70528714	6.44612614	1838	1316	4162
10438	NM_001190263,NM_001190265	C1D	C1D nuclear receptor corepressc	1.346422535	1.840622603	9.329636	12.724147	16.323676	3.61867338	4.01734947	4.44436461	443	797	1003
441425	NM_001012419,NM_001012419	ANKRD20A3	ankyrin repeat domain 20 family	-1.21373062	1.839777109	0.196768	0.159868	0.341631	0.81895953	0.70406985	1.26797492	30	33	68
6729	NM_001146282,NM_003136	SRP54	signal recognition particle 54	1.322531951	1.839073968	30.383468	40.24573	52.546768	6.09746258	6.49563171	6.96682461	2649	4681	5992
57761	NM_001301188,NM_001301190	TRIB3	tribbles pseudokinase 3	1.597656108	1.838506845	27.245648	43.740306	47.455151	6.06599532	6.73389617	6.93470322	2591	5531	5859
57231	NM_001297614,NM_001304479	SNX14	sorting nexin 14	1.039011254	1.83780257	11.630107	12.04787	20.599221	5.42803514	5.48199112	6.29070334	1651	2292	3732
56963	NM_001166283,NM_001166286	RGMA	repulsive guidance molecule fam	-1.593813712	1.837674453	0.893214	0.559553	1.63361	1.93632435	1.47139626	2.63181117	111	93	251
387	NM_001313941,NM_001313943	RHOA	ras homolog family member A	1.071502359	1.837351351	70.908209	75.308719	121.139522	7.05463513	7.15354777	7.92732258	5180	7416	11706
976	NM_001025160,NM_001784,NM	ADGRE5	adhesion G protein-coupled rece	1.594698988	1.837184693	26.208853	42.37939	45.71212	6.40555802	7.07249912	7.27530111	3289	7008	7432
1476	NM_000100	CSTB	cystatin B	1.01940012	1.836981533	395.496429	403.610901	682.740295	8.50370617	8.53135116	9.37923634	14211	19356	32108
10250	NM_001303448,NM_001303449	SRRM1	serine and arginine repetitive ma	1.118951087	1.836965124	35.502102	39.800658	61.374527	7.10435293	7.26538794	7.9769059	5363	8018	12117
285971	NM_173680	ZNF775	zinc finger protein 775	-1.020258951	1.836810007	0.472768	0.473032	0.833457	1.04948198	1.03456085	1.56919173	42	55	95
399687	NM_001346765,NM_001346766	MYO18A	myosin XVIIIA	-1.316723554	1.836420065	25.326952	19.589902	43.884241	7.5528968	7.158369	8.42629939	7333	7441	16563
11346	NM_001109974,NM_001166208	SYNPO	synaptopodin	-1.060995591	1.836314016	0.785494	0.7425	1.36218	2.3579234	2.2895231	3.10091148	162	204	366
25966	NM_015500,NM_199050	C2CD2	C2 calcium dependent domain cc	-1.184202435	1.835975101	4.883584	4.128667	8.425013	4.96269999	4.72725823	5.81808634	1185	1337	2676
4775	NM_004555,NM_173163,NM_17	NFATC3	nuclear factor of activated T-cells	1.235572636	1.835298726	1.472923	1.825525	2.555603	3.34979977	3.62781914	4.16012035	361	596	815
84449	NM_001300912,NM_032433	ZNF333	zinc finger protein 333	1.050354832	1.835069334	1.613939	1.692324	2.789822	2.79384765	2.85474367	3.57205238	233	327	526
3767	NM_000525,NM_001166290	KCNJ11	potassium voltage-gated channel	-1.842253977	1.834760045	0.443854	0.237203	0.763417	1.30878272	0.84852988	1.89255394	58	42	131
4668	NM_000262	NAGA	alpha-N-acetylgalactosaminidase	1.13594126	1.83461593	3.943316	4.487434	6.798037	3.93685111	4.10945474	4.76868199	562	853	1268
653645	NR_002924	TBC1D3P1-DHX40P1	TBC1D3P1-DHX40P1 readthrou	1.267838295	1.83413614	0.312861	0.395103	0.534954	0.66524311	0.80196545	1.05442063	23	39	52
166929	NM_001136257,NM_001136258	SGMS2	sphingomyelin synthase 2	1.322846206	1.83395718	2.348355	3.087447	4.059488	3.9199564	4.30021519	4.75103801	555	981	1252
5518	NM_014225,NR_033500	PPP2R1A	protein phosphatase 2 scaffold si	1.113578274	1.833491582	54.189869	60.445204	93.391085	7.05960209	7.21370459	7.92928505	5198	7734	11722
29969	NM_001166345,NM_001166346	MDFIC	MyoD family inhibitor domain cor	-1.41580212	1.833240959	3.686761	2.57253	6.440295	4.25432848	3.78372009	5.09405028	710	670	1601
5166	NM_002612	PDK4	pyruvate dehydrogenase kinase 4	-1.625440167	1.83265395	1.109527	0.67853	1.910706	2.32162912	1.79043244	3.05850609	157	129	354
10548	NM_001014842,NM_001289006	TM9SF1	transmembrane 9 superfamily me	1.482600202	1.832076513	25.536834	37.646387	43.551729	5.93578265	6.49624116	6.79854931	2364	4683	5327
81037	NM_030782	CLPTM1L	CLPTM1 like	-1.013865263	1.831560821	28.94569	28.576376	49.813557	6.14237278	6.12278922	7.00617036	2734	3603	6159
2801	NM_004486	GOLGA2	golgin A2	1.101271475	1.831545408	35.795605	39.461208	61.609547	7.22372265	7.36200736	8.09240786	5829	8577	13131
199745	NM_001331102,NM_001331103	THAP8	THAP domain containing 8	-1.168771898	1.83111193	0.935158	0.765029	1.546684	1.38110603	1.24644988	1.97845985	63	72	142
11030	NM_001008710,NM_001008711	RBPMS	RNA binding protein with multiple	1.032804606	1.830341277	7.419917	6.943229	11.77472	3.85541331	3.89881993	4.68171827	529	730	1191
6788	NM_001256312,NM_001256313	STK3	serine/threonine kinase 3	-1.358449418	1.830316961	17.798578	13.135195	31.191765	5.56784445	5.13671533	6.42611372	1823	1793	4104
4285	NM_005932	MIPEP	mitochondrial intermediate peptic	1.553341576	1.829886918	2.269566	3.53159	3.902588	2.67229041	3.22493445	3.43788301	211	438	475
100859930	NR_045680	HEIH	hepatocellular carcinoma up-regu	-1.049077892	1.828010742	8.147153	7.771061	14.005632	3.82979934	3.76563483	4.65350501	519	661	1167
3309	NM_005347	HSPA5	heat shock protein family A (Hsp	1.212018048	1.827586946	342.439575	415.502625	588.117432	10.37137546	10.64859663	11.24082364	51966	84154	116810
27067	NM_001164380,NM_001164381	STAU2	staufen double-stranded RNA bir	1.189428508	1.827208988	7.098383	8.570815	12.148876	4.70677986	4.9482473	5.55126453	986	1567	2216
4883	NM_000908,NM_001204375,NM	NPR3	natriuretic peptide receptor 3	1.039375241	1.826789751	0.126208	0.130356	0.238091	0.98820015	0.96581954	1.42086173	36	50	81
23181	NM_001146115,NM_001146116	DIP2A	disco interacting protein 2 homol	1.005975889	1.826684063	10.508841	11.089338	19.134275	6.03606811	6.04453358	6.89533961	2537	3410	5700
401474	NM_001101676,NM_001349811	SAMD12	sterile alpha motif domain contair	1.09834426	1.82665789	4.43988	4.702504	7.362513	5.18201511	5.31379245	6.03317592	1386	2034	3114
338442	NM_177551	HCAR2	hydroxycarboxylic acid receptor 2	1.681697764	1.826469027	0.404527	0.675519	0.692902	0.86002952	1.24644988	1.31676564	32	72	72
2870	NM_001004105,NM_001004106	GRK6	G protein-coupled receptor kinas	1.059526858	1.826369984	14.841683	15.746703	25.252595	5.43569657	5.51724792	6.28955798	1660	2350	3729
11074	NM_007028,NR_134870,NR_13	TRIM31	tripartite motif containing 31	-5.160359976	1.826314001	1.233882	0.234923	2.18077	1.79522562	0.56226574	2.46326383	97	25	218
728743	NR_027237	LOC728743	zinc finger protein pseudogene	-1.518602488	1.825687272	1.48048	0.976368	2.540061	2.55212659	2.07130288	3.30513776	191	168	429
441394	NR_003667	SUGT1P1	SGT1 homolog, MIS12 kinetochc	1.010331226	1.824741408	0.679057	0.675605	1.152422	0.59399636	0.59904473	0.95003448	20	27	45
89796	NM_001167738,NM_020443	NAV1	neuron navigator 1	-1.214624249	1.824530005	1.784984	1.468067	3.286227	4.51760029	4.250509	5.35645948	860	946	1930
131583	NM_153690	FAM43A	family with sequence similarity 43	2.169634901	1.82451699	0.502644	1.098794	0.868448	1.35261029	2.12902957	1.9400446	61	177	137
3916	NM_005561	LAMP1	lysosomal associated membrane	1.527401676	1.824239915	37.340904	57.100437	64.024666	6.54470542	7.15045371	7.40506422	3626	7400	8136
51517	NM_016453,NM_184231	NCKIPSD	NCK interacting protein with SH3	1.693387206	1.824194746	4.622973	7.847342	7.929606	3.85541331	4.57403823	4.67705421	529	1197	1187
5522	NM_001206994,NM_001206995	PPP2R2C	protein phosphatase 2 regulatory	-1.647114739	1.824157535	1.713845	1.083737	2.938142	3.0724647	2.45916281	3.86028525	291	236	653
22927	NM_014282	HABP4	hyaluronan binding protein 4	-1.337786213	1.823213134	7.601315	5.685646	13.03071	4.37435155	3.97774828	5.20917167	775	774	1738
23328	NM_001346505,NM_001346506	SASH1	SAM and SH3 domain containing	-1.317585343	1.822675663	1.681888	1.275863	2.875462	3.77984319	3.41483526	4.59783705	500	507	1121
64374	NM_001037633,NM_022464	SIL1	SIL1 nucleotide exchange factor	2.063347694	1.822650747	12.444422	25.922666	21.37657	4.61378867	5.62816997	5.45306113	922	2542	2067
6744	NM_001130445,NM_001287503	SSFA2	sperm specific antigen 2	1.221814753	1.822313952	75.922568	95.418057	131.966323	8.64937537	8.93775028	9.51352931	15725	25671	35245
85441	NM_001037335,NM_033405	HELZ2	helicase with zinc finger 2	-1.004694806	1.821736876	11.123427	11.24255	18.967656	6.66907927	6.66238832	7.52800316	3956	5261	8864
57134	NM_001289010,NM_020379	MAN1C1	mannosidase alpha class 1C me	-1.143779286	1.821687853	0.067476	0.057288	0.113642	0.38477185	0.3412894	0.64076093	12	14	27
100506007	NR_110434,NR_110435	RTCA-AS1	RTCA antisense RNA 1	2.048841259	1.821687853	0.370933	0.80889	0.659948	0.38477185	0.70406985	0.64076093	12	33	27
27128	NM_001318024,NM_013385	CYTH4	cytohesin 4	1.863386516	1.821687853	0.093964	0.181991	0.166149	0.38477185	0.65251278	0.64076093	12	30	27
10608	NM_006454	MXD4	MAX dimerization protein 4	1.421197452	1.82132539	2.880049	4.100374	4.935505	3.53555296	4.00541159	4.34348418	416	790	932
55432	NM_001276320,NM_018566	YOD1	YOD1 deubiquitinase	-1.122248353	1.821183921	18.513647	16.512823	31.683906	6.83211648	6.66726737	7.69128877	4434	5279	9932
126298	NM_001007561	IRGQ	immunity related GTPase Q	-1.152901591	1.820556001	2.954894	2.566581	5.057667	4.85254141	4.65486649	5.69430137	1095	1269	2452
1894	NM_001258315,NM_001258316	ECT2	epithelial cell transforming 2	-1.032747644	1.820251912	36.708027	35.339512	63.376692	7.26229215	7.21611125	8.12220148	5988	7747	13406
6662	NM_000346	SOX9	SRY-box 9	-1.090676328	1.820152966	26.76689	24.569635	45.792301	6.6941375	6.57017385	7.55192345	4026	4932	9013
399664	NM_001174118,NM_203304	MEX3D	mex-3 RNA binding family memb	2.019788754	1.820099391	3.126193	6.345055	5.361624	3.26824058	4.20500622	4.0633618	339	915	759
4628	NM_001256012,NM_001256095	MYH10	myosin heavy chain 10	1.762203547	1.819782282	3.573521	6.309123	6.117852	4.79281331	5.58756701	5.63300839	1049	2470	2348
10769	NM_001252226,NM_006622	PLK2	polo like kinase 2	-1.239038191	1.819765041	78.957046	63.789093	135.005458	7.77567328	7.46802121	8.63646513	8564	9235	19168
203523	NM_152695	ZNF449	zinc finger protein 449	1.115210913	1.819074726	2.603499	2.906514	4.448077	3.49701545	3.64110665	4.30167645	404	602	904
8082	NM_001135823,NM_005086	SSPN	sarcospan	-1.244830857	1.818653141	2.675061	2.241187	4.640243	3.68016614	3.39143785	4.49161333	464	498	1038
100505532	NR_103854	LINC01301	long intergenic non-protein codin	1.397990722	1.81790256	0.058859	0.078744	0.102792	0.26755841	0.36283659	0.45708734	8	15	18
109729182	NR_147193	DM1-AS	DM1 locus antisense RNA	1.305671359	1.81790256	0.259835	0.364693	0.489981	0.26755841	0.3412894	0.45708734	8	14	18
54622	NM_019087	ARL15	ADP ribosylation factor like GTPa	1.028004806	1.81715626	1.82988	1.876622	3.125142	2.44147625	2.47408961	3.1788613	174	239	389
29841	NM_198182	GRHL1	grainyhead like transcription facto	1.369356863	1.816501284	5.325446	7.300547	9.092532	4.29981562	4.73347472	5.12776797	734	1343	1640
81619	NM_001128309,NM_001351266	TSPAN14	tetraspanin 14	-1.410961223	1.81640229	11.50798	8.056713	19.540012	5.99747681	5.51002377	6.84840435	2469	2338	5516
340719	NM_199461	NANOS1	nanos C2HC-type zinc finger 1	1.030160034	1.8163312	0.551898	0.56894	0.943158	1.66222564	1.69172362	2.30298238	85	117	190
55276	NM_018290	PGM2	phosphoglucomutase 2	1.154817786	1.816264206	8.076735	9.33579	13.78535	4.72634668	4.92670685	5.56268791	1000	1543	2234
140733	NM_001033087,NM_001351661	MACROD2	MACRO domain containing 2	1.318710559	1.816258298	0.201519	0.265865	0.341706	0.97665845	1.18729361	1.46482043	38	67	85
87	NM_001102,NM_001130004,NM	ACTN1	actinin alpha 1	1.599363465	1.815433125	52.16964	83.577742	89.006612	7.5723345	8.24699664	8.42924928	7433	15884	16597
81025	NM_030772	GJA9	gap junction protein alpha 9	-1.333849241	1.815332609	0.226014	0.169088	0.400303	0.61813834	0.48576948	0.98063768	21	21	47
5754	NM_001270398,NM_002821,NM	PTK7	protein tyrosine kinase 7 (inactive	1.606680352	1.815126217	3.734023	6.019615	6.344511	4.03874269	4.68938608	4.85896034	606	1301	1353
9289	NM_001145770,NM_001145771	ADGRG1	adhesion G protein-coupled rece	1.433866681	1.814836831	47.34452	67.867721	81.219883	7.48087506	7.99834682	8.33709462	6974	13361	15567
6990	NM_006520	DYNLT3	dynein light chain Tctex-type 3	1.245531967	1.814811727	6.494792	8.107772	11.087157	3.91021271	4.20798559	4.72641971	551	917	1230
51360	NM_015884	MBTPS2	membrane bound transcription fa	1.361212007	1.814612789	2.261472	3.087108	3.861458	3.45742019	3.86712977	4.2570592	392	713	875
5900	NM_001042368,NM_001271774	RALGDS	ral guanine nucleotide dissociatic	1.218799953	1.814572156	15.535674	18.960456	26.499752	5.82800183	6.10890925	6.67621822	2191	3568	4890
23556	NM_012327,NM_176787	PIGN	phosphatidylinositol glycan anch	1.094466668	1.813901662	2.996784	3.279106	5.103215	3.92722123	4.04926299	4.74325038	558	816	1245
10840	NM_001270364,NM_001270365	ALDH1L1	aldehyde dehydrogenase 1 famil	1.395710923	1.812852691	0.877897	1.181888	1.473786	1.86749926	2.23214197	2.53718654	104	194	232
3092	NM_001243198,NM_005338	HIP1	huntingtin interacting protein 1	-1.203382123	1.81243919	2.594704	2.167866	4.421214	4.41453771	4.16109929	5.24191101	798	886	1779
121456	NR_033801	SLC9A7P1	solute carrier family 9 member 7	-1.41591317	1.812052611	0.134253	0.094894	0.228682	0.5190475	0.38406669	0.83750224	17	16	38
284353	NM_198478	NKPD1	NTPase KAP family P-loop doma	-1.577178063	1.81197833	0.288699	0.183558	0.494456	1.21691895	0.8787583	1.76650173	52	44	116
55777	NM_018328	MBD5	methyl-CpG binding domain prot	1.118828884	1.811948383	1.289874	1.44653	2.196359	3.09843961	3.24247658	3.87868233	297	444	662
94005	NM_033198	PIGS	phosphatidylinositol glycan ancho	1.373743917	1.811474956	11.733008	16.142204	19.978485	5.08032757	5.5268242	5.91831779	1289	2366	2872
4326	NM_016155	MMP17	matrix metallopeptidase 17	-2.71704062	1.811002759	1.844958	0.680163	3.156444	2.42103729	1.37924953	3.15222336	171	84	381

648791	NM_001145115	PPP1R3G	protein phosphatase 1 regulatory	2.040283061	1.810532856	0.72201	1.469317	1.225042	1.15225689	1.80624674	1.6852207	48	131	107
54760	NM_017573	PCSK4	proprotein convertase subtilisin/k	1.267253666	1.810090611	2.89704	3.681373	4.935253	3.11125378	3.4174117	3.890818	300	508	668
158160	NR_003086	HSD17B7P2	hydroxysteroid 17-beta dehydrog	-1.355895199	1.809511027	1.218606	0.897289	2.092618	1.42282133	1.16293478	2.01587867	66	65	147
9748	NM_001304743,NM_014720	SLK	STE20 like kinase	-1.33530573	1.80851646	11.204305	8.401996	19.069417	6.42279339	6.01123547	7.2700843	3329	3331	7405
79842	NM_024784	ZBTB3	zinc finger and BTB domain cont	1.86407859	1.808283115	1.053161	1.966205	1.790648	2.02024721	2.74415527	2.70694712	120	299	267
51148	NM_001286760,NM_016174	CERCAM	cerebral endothelial cell adhesior	-1.266319158	1.808259444	13.057181	10.504796	22.200605	5.137819	4.80802022	5.97404055	1343	1417	2987
345757	NM_198507	FAM174A	family with sequence similarity 17	1.165540897	1.808074511	10.769698	12.562576	18.306448	3.92722123	4.13472547	4.73878137	558	869	1241
115703	NM_001172630,NM_052948	ARHGAP33	Rho GTPase activating protein 3	1.015613918	1.807075499	5.9693	6.049639	10.162731	4.60475543	4.62619813	5.43176167	916	1243	2036
7138	NM_001126132,NM_001126133	TNNT1	troponin T1, slow skeletal type	1.12927821	1.806886551	17.508264	19.895459	29.996859	4.49333262	4.66140215	5.31803041	845	1275	1878
100505702	NR_038303,NR_038304,NR_03	LINC01094	long intergenic non-protein codin	5.67528562	1.806753083	0.024415	0.138716	0.037309	0.13997292	0.669904	0.24657076	4	31	9
101929357	NR_110821	HP09053	uncharacterized LOC101929357	6.950917974	1.806753083	0.039369	0.361256	0.087282	0.13997292	0.7861039	0.24657076	4	38	9
1238	NM_001296	ACKR2	atypical chemokine receptor 2	3.670720492	1.806753083	0.035353	0.131329	0.054022	0.13997292	0.46599441	0.24657076	4	20	9
101927635	NR_135596	LOC101927635	uncharacterized LOC101927635	1.666155364	1.806753083	0.16124	0.267678	0.265904	0.13997292	0.2284445	0.24657076	4	9	9
7325	NM_152653	UBE2E2	ubiquitin conjugating enzyme E2	1.711015474	1.805971339	6.636716	11.371994	11.273421	3.63059014	4.35634461	4.4305758	447	1022	993
2195	NM_005245	FAT1	FAT atypical cadherin 1	-1.394554748	1.805929437	7.905906	5.675139	13.417648	6.84111877	6.36625696	7.68824992	4462	4275	9911
2166	NM_001441	FAAH	fatty acid amide hydrolase	1.955554475	1.805753235	2.193099	4.295366	3.72413	2.45494311	3.28823882	3.18544464	176	460	391
576	NM_001294335,NM_001294336	ADGRB2	adhesion G protein-coupled rece	-1.002090982	1.805511983	1.37986	1.385824	2.361486	3.04601354	3.04336424	3.81854297	285	380	633
64130	NM_001308419,NM_022165	LIN7B	lin-7 homolog B, crumbs cell pola	-1.102714592	1.805043313	3.743943	3.384509	6.28842	1.86749926	1.76638114	2.53203014	104	126	231
3098	NM_000188,NM_001322364,NM	HK1	hexokinase 1	-1.391849258	1.804798153	15.228346	10.955051	25.913442	5.76587717	5.29919828	6.60587691	2097	2013	4655
10981	NM_006834	RAB32	RAB32, member RAS oncogene	-1.114978226	1.804444087	5.011518	4.500174	8.512474	2.78853894	2.65526948	3.54415067	232	278	515
80817	NM_001040157,NM_001145314	CEP44	centrosomal protein 44	-1.025292911	1.804022278	5.520619	5.426886	9.298667	4.65521171	4.62061907	5.48075692	950	1238	2108
10691	NM_001319674,NM_006582,NM	GMEB1	glucocorticoid modulatory elemer	1.256386848	1.803490149	2.956299	3.714902	5.009016	3.31973375	3.41483526	3.89484064	302	507	670
11070	NM_007024	TMEM115	transmembrane protein 115	1.751477391	1.803438348	10.116963	17.752298	17.160559	4.43676607	5.21654942	5.25761579	811	1898	1799
96459	NM_001008738,NM_001346113	FNIP1	folliculin interacting protein 1	1.272270734	1.803185274	6.525621	8.147825	10.871969	5.32362978	5.66332648	6.15808745	1533	2606	3400
23324	NM_001292038,NM_015274	MAN2B2	mannosidase alpha class 2B mer	1.409084225	1.801987687	13.429261	18.942617	22.740431	5.80057409	6.28781833	6.6386304	2149	4046	4763
100499489	NR_036533	LOC100499489	uncharacterized LOC100499489	2.568615031	1.801785956	0.187778	0.479494	0.314276	0.54446555	1.12560759	0.87055986	18	62	40
411	NM_000046,NM_198709	ARSB	arylsulfatase B	1.343769927	1.800847133	1.309473	1.765312	2.073407	2.99622306	3.37562608	3.76240724	274	492	607
6844	NM_001330125,NM_014232	VAMP2	vesicle associated membrane pr	1.244692492	1.799890927	5.599156	7.057211	9.165665	3.70291935	3.99682365	4.50088019	472	785	1045
79085	NM_024103	SLC25A23	solute carrier family 25 member 2	1.113748445	1.79884118	6.366339	7.096628	10.759465	4.48842972	4.63729194	5.30675218	842	1253	1863
3652	NM_001145349,NM_005897	IPP	intracisternal A particle-promoted	-1.048230564	1.79835871	1.673495	1.571361	2.751992	2.56460348	2.50832973	3.29907966	193	246	427
195814	NM_001318049,NM_001318050	SDR16C5	short chain dehydrogenase/redu	-1.731457091	1.798302413	1.817329	1.054017	3.124565	2.85607368	2.20257223	3.61169701	245	189	542
83737	NM_001257137,NM_001257138	ITCH	itchy E3 ubiquitin protein ligase	1.331821707	1.797844853	13.748256	18.190822	23.278612	6.52209318	6.93158852	7.36139864	3569	6351	7892
6415	NM_003009	SELENOW	selenoprotein W	1.245226766	1.797572272	58.074718	72.411118	98.127213	5.67888953	5.98975653	6.5124257	1972	3281	4360
440300	NR_033738	LOC440300	chondroitin sulfate proteoglycan	-1.133102858	1.797135302	0.093429	0.082077	0.157756	0.77668602	0.70406985	1.19154816	28	33	62
56261	NM_019593	GPCPD1	glycerophosphocholine phosphoc	-1.17443235	1.797132007	6.055049	5.160917	10.229095	5.05291493	4.82849184	5.87925987	1264	1438	2794
100616396	NR_039862	MIR4712	microRNA 4712	1.080119318	1.796853568	2.745007	2.967934	4.727965	0.29776659	0.31941552	0.49997203	9	13	20
23200	NM_014616	ATP11B	ATPase phospholipid transportin	1.111997802	1.796820058	12.932283	14.398143	21.837957	6.54194749	6.69354544	7.38053068	3619	5377	7998
54865	NM_015590,NM_182679	GPATCH4	G-patch domain containing 4	1.130617204	1.796654641	6.812097	7.724976	11.514179	3.93685111	4.10306728	4.73989992	562	849	1242
9069	NM_001185072,NM_001185073	CLDN12	claudin 12	-1.523417674	1.79655454	17.747756	11.662183	29.83709	5.98998006	5.39446891	6.82514211	2456	2154	5427
56005	NM_019107	MYDGF	myeloid derived growth factor	1.092721135	1.79640629	72.822662	79.656418	122.935234	6.2389485	6.36525647	7.0755933	2926	4272	6465
644945	NR_029393	KRT16P3	keratin 16 pseudogene 3	-1.653598253	1.795705378	0.7615	0.455094	1.278721	1.29387258	0.90836632	1.85174813	57	46	126
10592	NM_001042550,NM_001042551	SMC2	structural maintenance of chrom	1.263190426	1.795505422	11.239181	14.158188	18.917422	6.05553602	6.38809405	6.89031129	2572	4341	5680
55872	NM_001278945,NM_018492	PBK	PDZ binding kinase	1.13040943	1.795228408	22.0245	24.940929	37.176125	5.53651876	5.70978368	6.36689119	1783	2693	3937
83641	NM_001282695,NM_001282696	FAM107B	family with sequence similarity 10	1.1155703	1.79522673	26.193938	28.681018	44.340589	6.42364978	6.57969385	7.26037344	3331	4965	7355
6655	NM_006939	SOS2	SOS Ras/Rho guanine nucleotide	1.242117273	1.79487897	5.076119	6.310053	8.562301	4.8499531	5.15303948	5.67162056	1814	1814	2413
79767	NM_024712	ELMO3	engulfment and cell motility 3	-1.021027752	1.794865537	20.211235	19.81497	34.093468	5.6270574	5.64798	6.48766934	1941	2540	4285
644815	NM_001039999	FAM83G	family with sequence similarity 83	1.568381166	1.794011249	1.760567	2.774219	2.975444	2.59533164	3.15564136	3.3291189	198	415	437
9625	NM_001080395,NM_004920	AATK	apoptosis associated tyrosine kin	-1.099499183	1.79396896	0.065987	0.060039	0.115311	0.43999062	0.40498891	0.71544405	14	17	31
6709	NM_001130438,NM_001195532	SPTAN1	spectrin alpha, non-erythrocytic 1	1.385246135	1.793927813	32.808703	45.482687	55.307614	7.98349276	8.45205324	8.82409682	9897	18318	21837
22900	NM_001184900,NM_001184901	CARD8	caspase recruitment domain fam	-1.027356001	1.79388961	6.629494	4.960491	8.685302	4.61828417	4.5809496	5.4352184	925	1203	2041
250	NM_001632	ALPP	alkaline phosphatase, placental	1.273574871	1.793814943	9.384023	11.965262	15.82083	4.81517582	5.15303948	5.63541459	1066	1814	2352
8661	NM_003750	EIF3A	eukaryotic translation initiation fa	1.302790753	1.793737752	31.664093	41.29464	53.373478	7.36238208	7.74195387	8.20147727	6421	11177	14166
28231	NM_016354	SLCO4A1	solute carrier organic anion trans	-1.128156658	1.793250562	16.352322	14.51314	27.566895	5.49882028	5.32892486	6.3272551	1736	2056	3829
8546	NM_001271769,NM_003664	AP3B1	adaptor related protein complex 3	1.177119568	1.792769771	13.616787	16.052164	22.94714	5.76924991	6.00053598	6.59972899	2102	3306	4635
440145	NM_001071775	MZT1	mitotic spindle organizing protein	-1.027573306	1.7926812	8.193359	7.981151	13.81272	4.34028863	4.30300447	5.15065778	756	983	1667
54206	NM_018948	ERRFI1	ERBB receptor feedback inhibitor	1.776619845	1.792355911	65.084274	115.764671	109.629921	7.63874415	8.46471989	8.47740669	7785	18480	17162
128637	NM_144628,NR_111901	TBC1D20	TBC1 domain family member 20	1.398467225	1.792216963	12.343553	17.447777	21.185983	5.71011084	6.186105	6.53965765	2016	3767	4444
84667	NM_001165967,NM_032580	HES7	hes family bHLH transcription fac	-3.99191327	1.791743491	1.205139	0.292856	2.042455	1.57857476	0.58077243	2.18966672	78	26	172
23232	NM_015188	TBC1D12	TBC1 domain family member 12	-1.669664417	1.791668298	1.110574	0.667347	1.875386	2.85607368	2.24380223	3.6068006	245	196	540
4091	NM_005585,NR_027654	SMAD6	SMAD family member 6	-1.142825018	1.791522496	1.272558	1.115757	2.144599	2.20692365	2.05815489	2.90342651	142	166	313
154064	NM_130900	RAET1L	retinoic acid early transcript 1L	1.726460892	1.791260307	0.917762	1.620844	1.587054	0.79797761	1.18729361	1.21747621	67	64	64
100132273	NR_034118	NDUFA6-AS1	NDUFA6 antisense RNA 1 (head	1.006491339	1.791260307	0.449161	0.456456	0.767321	0.79797761	0.80196545	1.21747621	29	39	64
10866	NR_040662	HCP5	HLA complex P5 (non-protein co	-1.459149055	1.791052292	3.900947	2.671236	6.573143	3.41326233	2.92884759	4.19316234	379	347	835
81610	NM_030919	FAM83D	family with sequence similarity 83	1.433944544	1.790626415	25.115641	36.052128	42.257431	5.91644377	6.42920612	6.74635311	2332	4468	5136
29766	NM_014547	TMOD3	tropomodulin 3	-1.080547428	1.790260967	22.040422	20.421261	37.085785	6.66038669	6.54976952	7.49426505	3932	4862	8658
3106	NM_005514	HLA-B	major histocompatibility complex,	-1.085678256	1.789546682	235.547409	217.195541	396.105621	8.53316782	8.41490391	9.3710477	14505	17851	31926
51684	NM_001178133,NM_016169	SUFU	SUFU negative regulator of hedg	-1.003896335	1.787720303	2.43843	2.484209	4.296868	3.53871843	3.53359042	4.32123795	417	555	917
29988	NM_001271711,NM_001271712	SLC2A8	solute carrier family 2 member 8	1.225629144	1.787431937	2.760004	3.146491	4.821908	2.5831188	2.83174937	3.31117052	196	321	431
51762	NM_016530	RAB8B	RAB8B, member RAS oncogene	1.4112705	1.786654513	1.921177	2.71841	3.23206	3.34257292	3.79763131	4.11600233	359	677	789
80176	NM_025106	SPSB1	splA/ryanodine receptor domain	1.149343422	1.786566193	3.523733	4.055598	5.915458	3.54817338	3.7329126	4.33017765	420	645	923
4035	NM_002332	LRP1	LDL receptor related protein 1	2.096005403	1.786130432	1.498578	3.144591	2.515489	4.50632616	5.54047969	5.3150315	853	2389	1874
83401	NM_152310	ELOVL3	ELOVL fatty acid elongase 3	-1.389473751	1.78519085	0.45653	0.330047	0.77181	0.71085839	0.54351856	1.09694451	25	24	55
10043	NM_001135729,NM_001135730	TOM1	target of myb1 membrane traffick	-1.14607237	1.785104538	10.658888	9.304608	17.823077	4.68551669	4.49696276	5.49672576	971	1132	2132
8519	NM_003641	IFITM1	interferon induced transmembrar	-1.181091966	1.784736497	33.629154	28.510098	56.404137	4.61378867	4.38426973	5.42343154	922	1043	2024
7555	NM_001127192,NM_001127193	CNBP	CCHC-type zinc finger nucleic ac	1.739526698	1.784327768	15.976891	27.828265	26.802551	5.74067079	6.52788076	6.56417661	2060	4788	4521
163255	NM_001172225,NM_001172226	ZNF540	zinc finger protein 540	2.08978529	1.784315472	0.151013	0.338972	0.270558	0.59399636	1.04792463	0.93448595	20	56	44
79068	NM_001080432	FTO	FTO, alpha-ketoglutarate depend	1.416839785	1.784223163	5.415876	7.684294	9.0848	4.56339093	5.04805279	5.37169332	889	1683	1951
9368	NM_004252	SLC9A3R1	SLC9A3 regulator 1	1.152880068	1.784221564	23.272913	26.864466	39.029499	5.54520135	5.74610648	6.36689119	1794	2763	3937
647979	NR_027451	NORAD	non-coding RNA activated by DN	-1.078048357	1.783738938	62.523582	58.062599	104.804962	8.34990506	8.2418273	9.18287092	12770	15827	28016
54536	NM_001013848,NM_001319194	EXOC6	exocyst complex component 6	-2.113714504	1.783367943	4.494252	2.129367	7.535314	4.08061013	3.09255667	4.87737422	625	395	1371
79414	NM_024509	LRFN3	leucine rich repeat and fibronectii	1.099403172	1.783329424	2.676944	2.950641	4.49253	2.92058788	3.04002433	3.66919325	258	379	566
102465438	NR_106790	MIR6732	microRNA 6732	1.840144439	1.782860839	6.164736	11.770676	10.660408	0.46682716	0.77006602	0.75138414	15	37	33
109623451	NR_145781	SNORD157	small nucleolar RNA, C/D box 15	1.394264822	1.782860839	5.706114	7.925698	9.417883	0.46682716	0.61708849	0.75138414	15	28	33
10459	NM_001127325,NM_006341	MAD2L2	mitotic arrest deficient 2 like 2	1.720837778	1.782859735	9.427393	16.245414	15.822327	3.49701545	4.22573375	4.27414582	404	929	886
55283	NM_001253693,NM_018298	MCOLN3	mucolipin 3	-1.620734765	1.782859735	3.705186	2.286406	6.331879	3.49701545	2.87737723	4.27414582	404	333	886
388567	NM_001023561,NM_001321952	ZNF749	zinc finger protein 749	1.44966027	1.782835033	4.737993	6.904811	7.88214	4.35113248	4.86481307	5.15401818	762	1476	1671
5528	NM_001270476,NM_006245,NM	PPP2R5D	protein phosphatase 2 regulatory	-1.029383372	1.782752397	10.189815	10.004771	17.223176	4.96623093	4.92580232	5.77998839	1188	1542	2605
253832	NM_001286638,NM_001330059	ZDHHC20	zinc finger DHHC-type containing	1.125435786	1.782680954	12.434626	13.970833	20.784356	6.04277245	6.21082175	6.86720853	2549	3833	5589
26227	NM_006623	PHGDH	phosphoglycerate dehydrogenas	1.294586159	1.781506838	46.443195	60.196468	77.765213	6.52568718	6.89462039	7.35191952	3578	6189	7840
154043	NM_173515	CNKSR3	CNKSR family member 3	1.810477556	1.781469328	0.453369	0.826246	0.763637	1.29387258	1.86027027	1.84344662	57	138	125
6117	NM_002945	RPA1	replication protein A1	1.23468855	1.781344193	13.487295	16.678249	22.582829	5.85998825	6.15941912	6.68204931	2241	3697	4910
4001	NM_001198557,NM_005573,NR	LMNB1	lamin B1	1.301648901	1.78122697	52.645595	100.842823	114.996418	7.45618555	7.83462594	8.28545945	6855	11922	15018
9764	NM_001286565,NM_001286566	KIAA0513	KIAA0513	-1.8395782	1.780794963	2.00199	0.969445	3.961985	3.79050499	2.99586886	4.57670807	504	366	1104
729678	NR_027183,NR_045678,NR_04	LINC00847	long intergenic non-protein codin	1.292893195	1.780778695	3.564095	4.613433	5.926408	2.91572639	3.24247658	3.66213029	257	444	563
1382	NM_001199723,NM_001878	CRABP2	cellular retinoic acid binding prote	-2.195898379	1.780611048	287.713072	131.163588	481.455755	8.21332773	7.08430211	9.04357366	11613	7066	25433
11253	NM_016219,NR_045720,NR_04	MAN1B1	mannosidase alpha class 1B mer	1.233587041	1.780442194	30.790196	38.03959	51.520948	6.39074431	6.69035332	7.21544508	3255	5365	7128
64856	NM_022834,NM_199121	VWA1	von Willebrand factor A domain c	1.2191332	1.78037041	17.995113	22.291177	30.094194	6.3610997	6.64380598	7.18558585	3188	5193	6981
23769	NM_013280	FLRT1	fibronectin leucine rich transmem	1.047302025	1.779967701	0.080571	0.081766	0.133175	0.3273552	0.3412894	0.54161868	10	14	22
30837	NM_014598	SOCS7	suppressor of cytokine signaling	1.187955402	1.779886778	4.017155	4.780585	6.722347	5.01022388	5.25162377	5.82231668	1226	1946	2684

5869	NM_001252036,NM_001252037	RAB5B	RAB5B, member RAS oncogene	-1.207748758	1.779878337	14.710234	12.210503	24.700369	6.27070749	6.00225324	7.09429903	2992	3310	6550
3107	NM_001243042,NM_002117	HLA-C	major histocompatibility complex,	-1.029012006	1.779800742	342.991372	333.694489	573.661339	9.05160653	9.01042537	9.88213398	20794	27000	45519
49854	NM_001098402,NM_001098403	ZBTB21	zinc finger and BTB domain cont	-1.00893832	1.779260176	2.410841	2.388862	4.007558	4.16086733	4.14874812	4.95648442	663	878	1451
5833	NM_001184917,NM_001256433	PCYT2	phosphate cytidylyltransferase 2,	-1.242021514	1.779171175	13.956975	11.472556	23.509008	5.62703993	5.32137849	6.44544065	1901	2045	4160
57619	NM_020859	SHROOM3	shroom family member 3	-1.093880196	1.778736941	3.386647	3.100037	5.66171	5.22293093	5.09708829	6.03682106	1427	1743	3122
85440	NM_001271999,NM_001272000	DOCK7	dedicator of cytokinesis 7	1.202524743	1.778014552	3.325592	4.098256	5.445866	4.46698912	4.72205729	5.26850829	829	1332	1813
8692	NM_003773,NM_033158	HYAL2	hyaluronoglucosaminidase 2	1.142031322	1.777175951	18.192896	19.13179	28.741366	5.33368816	5.52084648	6.14758984	1544	2356	3375
59272	NM_021804	ACE2	angiotensin I converting enzyme	-3.463294403	1.776821496	0.149195	0.044714	0.260091	0.61813834	0.20477631	0.96541723	21	8	46
283554	NM_001099652	GPR137C	G protein-coupled receptor 137C	1.526879	1.776734676	0.321246	0.492476	0.53884	1.15225689	1.52015496	1.66651905	48	98	105
80325	NM_032548,NM_172027,NR_03	ABTB1	ankyrin repeat and BTB domain (	1.367071634	1.776321917	5.663119	7.816657	9.438684	3.56999691	3.98818428	4.34495514	427	780	933
5045	NM_001289823,NM_001289824	FURIN	furin, paired basic amino acid cle	1.189385673	1.775959391	12.450867	14.655739	20.699473	5.69600304	5.94179364	6.5124257	1996	3172	4360
602	NM_005178	BCL3	B-cell CLL/lymphoma 3	1.087049868	1.774762621	9.730227	10.590074	16.23728	4.22318689	4.33742297	5.01679049	694	1008	1515
9601	NM_004911	PDIA4	protein disulfide isomerase family	-1.272140162	1.774417418	103.078423	81.117905	171.89035	8.21567825	7.86973711	9.04091017	11632	12217	25386
25790	NM_012337	CFAP45	cilia and flagella associated prote	1.525006215	1.774394963	1.901327	2.90832	3.174726	2.11660268	2.60642858	2.79136857	131	267	286
89846	NM_001083536,NM_001286993	FGD3	FYVE, RhoGEF and PH domain	1.178963228	1.774129499	8.12582	9.516671	13.52028	4.78483717	5.01441136	5.58899591	1043	1643	2276
257106	NM_001025598,NM_001287600	ARHGAP30	Rho GTPase activating protein 3(	-3.08512449	1.77384247	0.869779	0.280542	1.45291	2.25390578	1.15059938	2.94281592	148	64	323
55103	NM_001286247,NM_152663	RALGPS2	Ral GEF with PH domain and SH	-1.015497448	1.773312656	12.475588	12.298659	20.780537	6.54115854	6.51921133	7.36085345	3617	4759	7889
54471	NM_001304564,NM_019008,NR	MIEF1	mitochondrial elongation factor 1	1.767459856	1.773047049	6.370672	11.406824	10.440119	5.15028961	5.95426739	5.95874997	1355	3200	2955
6596	NM_001318934,NM_001318935	HLTF	helicase like transcription factor	1.566698276	1.772580226	12.744769	20.431871	21.572658	6.00092376	6.64050176	6.81695064	2475	5181	5396
81618	NM_001012514,NM_001012516	ITM2C	integral membrane protein 2C	2.3157667	1.771851875	24.910503	60.309072	40.978861	5.67241926	6.86779052	6.48533693	1963	6074	4278
4191	NM_001282403,NM_001282404	MDH2	malate dehydrogenase 2	-1.328041371	1.771811556	50.384024	36.940957	78.697986	6.66691103	6.26224839	7.48595581	3950	3974	8608
4209	NM_001271629,NM_005920	MEF2D	myocyte enhancer factor 2D	1.003467849	1.771740901	8.459377	8.536646	14.277408	5.64917596	5.65407127	6.46180299	1931	2589	4208
55277	NM_001113411,NM_001244714	FGGY	FGGY carbohydrate kinase doma	1.189810795	1.771711557	1.902733	2.121091	3.020811	2.18284609	2.38212036	2.86293141	139	221	303
4293	NM_001284230,NM_001284231	MAP3K9	mitogen-activated protein kinase	1.018155489	1.771584365	3.972149	4.054445	6.52741	5.44921723	5.47458779	6.25984475	1676	2280	3652
100129424	NR_026660	RPL19P12	ribosomal protein L19 pseudoger	1.633007534	1.771415181	0.106784	0.187486	0.178532	0.17294258	0.27464693	0.29607837	5	11	11
8395	NM_001278253,NM_003558	PIP5K1B	phosphatidylinositol-4-phosphate	-3.184155122	1.771415181	0.035758	0.013264	0.074626	0.17294258	0.05398282	0.29607837	5	2	11
114814	NR_002328,NR_104033,NR_10	GNRHR2	gonadotropin releasing hormone	-1.99769917	1.771308876	1.088915	0.478378	1.168333	0.88013425	0.50527715	1.31676564	33	22	72
10135	NM_005746	NAMPT	nicotinamide phosphoribosyltrans	-1.011426039	1.771109572	19.334267	19.136213	32.179729	6.44700339	6.43080998	7.26445997	3386	4473	7376
10379	NM_006084	IRF9	interferon regulatory factor 9	-1.114634871	1.770881082	28.788393	25.861074	47.918167	5.58631849	5.43317608	6.39769249	1847	2214	4023
3718	NM_002215	JAK3	Janus kinase 3	-10.68685049	1.770665481	0.888759	0.079546	1.478885	2.51403512	0.52452456	2.32432601	185	23	403
28970	NM_001286067,NM_001286068	C11orf54	chromosome 11 open reading fra	-1.498241988	1.770616534	8.172434	4.685684	13.289921	4.93773843	4.37766975	5.74141559	1164	1038	2535
5738	NM_020440	PTGFRN	prostaglandin F2 receptor inhibit	1.431325458	1.770538979	6.247646	8.954988	10.397244	5.30050562	5.80681389	6.10872026	1508	2884	3284
102465451	NR_106811	MIR6753	microRNA 6753	2.374695384	1.770005335	3.392563	8.278974	5.741618	0.64188297	1.22307764	0.99569924	22	70	48
5663	NM_000021,NM_007318	PSEN1	presenilin 1	1.250254441	1.769256931	13.826315	17.298461	22.977277	6.37267601	6.69141814	7.18825152	3214	5369	6994
64112	NM_022151	MOAP1	modulator of apoptosis 1	1.452196126	1.76921377	8.163014	11.87337	13.579853	4.33847337	4.85439274	5.13032929	755	1465	1643
148898	NR_033690,NR_033691	ZNF436-AS1	ZNF436 antisense RNA 1	1.628615803	1.769158676	1.853542	3.333211	3.373537	2.63136183	3.24247658	3.34978031	204	444	444
84247	NM_032287	RTL6	retrotransposon Gag like 6	1.681085534	1.768941026	1.390762	2.348699	2.320015	3.04155747	3.71835988	3.78642406	284	638	618
387644	NR_026795	FAM238C	family with sequence similarity 2	3.145914998	1.768213571	0.196135	0.635234	0.332518	0.77668602	1.70021226	1.17840727	28	118	61
23467	NM_014293	NPTXR	neuronal pentraxin receptor	2.477007058	1.767893354	0.227129	0.569077	0.378945	1.2010231	2.07783221	1.72191206	51	169	111
847	NM_001752	CAT	catalase	1.208562195	1.767728425	15.199556	18.3916	25.257877	5.13154304	5.39773447	5.93550587	1337	2159	2907
389792	NM_203434	IER5L	immediate early response 5 like	1.350747524	1.767422374	10.433925	14.111005	17.329418	4.83462363	5.25522879	5.63421199	1081	1951	2350
6525	NM_001207017,NM_001207018	SMTN	smoothelin	1.197945291	1.767131171	15.422269	18.497869	25.586249	5.66157057	5.91742821	6.47058904	1948	3118	4234
84926	NM_032840	SPRYD3	SPRY domain containing 3	-1.149248598	1.766882138	5.813783	5.067259	9.657757	4.13809052	3.94954414	4.92339112	652	758	1417
9052	NM_003979	GPRC5A	G protein-coupled receptor class	-1.737124858	1.766233101	309.57843	178.41124	513.836426	9.74928267	8.95381295	10.56923311	33750	25959	73317
440093	NM_001013699	H3F3C	H3 histone family member 3C	1.896385267	1.76612016	0.251916	0.504927	0.44533	0.35634914	0.61708849	0.58209675	11	28	24
100616262	NM_039850	MIR4701	microRNA 4701	-1.049308843	1.766121016	4.304708	4.349754	7.382119	0.35634914	0.53624894	0.58209675	11	14	24
102465511	NR_106907	MIR6848	microRNA 6848	-3.582038262	1.766121016	3.782418	0.849986	6.698609	0.35634914	0.10601836	0.58209675	11	4	24
26286	NM_001142293,NM_014570	ARFGAP3	ADP ribosylation factor GTPase a	-1.201844271	1.765949109	7.026981	5.84672	11.658009	4.34933082	4.09825806	5.13883433	761	846	1653
220930	NR_024284	ZEB1-AS1	ZEB1 antisense RNA 1	-1.098051898	1.765860035	2.3983	2.186308	3.978104	2.62541894	2.5131555	3.34096163	203	247	441
442582	NR_040584	STAG3L2	stromal antigen 3-like 2 (pseudog	-1.127446771	1.765375719	8.171971	7.257976	13.560772	4.00022383	3.83857782	4.78068826	589	698	1279
8728	NM_033274	ADAM19	ADAM metallopeptidase domain	1.12969618	1.764859535	10.418941	11.783998	17.281937	6.07146991	6.24494647	6.88172272	2601	3926	5646
3703	NM_001278503,NM_001278504	STT3A	STT3A, catalytic subunit of the ol	-1.523061835	1.76468955	33.333393	21.910933	55.143263	7.11021619	6.50867837	7.9251116	5385	4724	11688
51341	NM_001317990,NM_015898	ZBTB7A	zinc finger and BTB domain cont	1.139415988	1.764552504	3.651883	4.159959	6.068498	4.56804599	4.74889974	5.36082844	892	1358	1936
100996712	NR_120535,NR_120535_dup1	SRGAP2D	SLIT-ROBO Rho GTPase activat	1.363387101	1.764006602	2.799921	3.827645	4.652636	2.86618866	3.25980797	3.59695765	247	450	536
51379	NM_015986,NR_073118	CRLF3	cytokine receptor like factor 3	-1.007086231	1.763647973	6.778941	6.742758	11.17001	4.34028863	4.33060465	5.12776797	756	1003	1640
57826	NM_001271186,NM_001271187	RAP2C	RAP2C, member of RAS oncoge	1.041717019	1.763534999	7.205843	7.497704	11.958795	4.83591088	4.89285546	5.63240621	1082	1506	2347
84078	NM_032138	KBTBD7	kelch repeat and BTB domain co	-1.220586606	1.763207114	1.101323	0.904875	1.832883	2.61345921	2.37683491	3.32614297	201	220	436
9908	NM_012297,NM_203504,NM_20	G3BP2	G3BP stress granule assembly fa	1.472524055	1.763143177	8.708435	12.976364	14.306345	5.24247649	5.78852012	6.04408383	1447	2847	3138
23654	NM_012401	PLXNB2	plexin B2	1.19314451	1.763141086	48.753242	58.232937	80.779076	8.23702779	8.49102443	9.05311049	11806	18821	25602
1040	NM_001263	CDS1	CDP-diacylglycerol synthase 1	-1.093021345	1.763126009	10.496676	9.61332	17.391932	5.56629422	5.44079444	6.37122872	1821	2226	3949
1728	NM_000903,NM_001025433,NM	NQO1	NAD(P)H quinone dehydrogenas	1.512690728	1.762944577	108.895269	161.568055	176.831873	8.0682177	8.66351676	8.88388337	10498	21218	22763
5550	NM_002726	PREP	prolyl endopeptidase	1.016292904	1.762924153	6.748184	6.87075	11.189477	4.34752691	4.36970972	5.13458808	760	1032	1648
10411	NM_001098531,NM_001098532	RAPGEF3	Rap guanine nucleotide exchang	-2.142975335	1.76263391	1.872748	0.881885	3.155134	3.62762016	2.65526948	4.39409566	446	278	967
11240	NM_007365	PADI2	peptidyl arginine deiminase 2	-1.868313921	1.762260301	0.458321	0.24354	0.763219	1.56621863	1.03456085	2.15654364	77	55	167
3134	NM_001098478,NM_001098479	HLA-F	major histocompatibility complex,	-1.465318234	1.761728069	31.944327	21.808764	52.801433	5.36255637	4.82752356	6.16434954	1576	1437	3415
4919	NM_001083592,NM_005012	ROR1	receptor tyrosine kinase like orph	1.044965788	1.760777083	1.183566	1.256974	2.191449	2.9541672	3.009612	3.68786049	265	370	574
3708	NM_001099952,NM_001168272	ITPR1	inositol 1,4,5-trisphosphate recep	3.352800181	1.760318775	0.166915	0.567167	0.279941	1.42282133	2.73178769	1.98602166	66	296	143
10217	NM_001008392,NM_005808	CTDSPL	CTD small phosphatase like	-1.065618557	1.76005709	11.105208	10.44404	18.397984	5.61659238	5.5268242	6.4194971	1887	2366	4085
10765	NM_001314042,NM_001347591	KDM5B	lysine demethylase 5B	1.888445509	1.759993329	5.589536	10.586642	9.259149	5.74341713	6.64792565	6.54734471	2064	5208	4468
84905	NM_001282933,NM_001282935	ZNF341	zinc finger protein 341	-1.216884088	1.759549105	4.719987	3.82571	7.687073	4.09788139	3.83279899	4.87635737	633	695	1370
23731	NM_032012	TMEM245	transmembrane protein 245	1.024203701	1.75889621	16.760111	17.185207	27.70649	7.03907211	7.07331623	7.84901515	5124	7012	11085
84236	NM_001167608,NM_001349069	RHBDD1	rhomboid domain containing 1	1.051826105	1.758896061	4.938365	4.941079	8.173092	4.62574568	4.69576755	5.41505304	930	1307	2012
162989	NM_001270614,NM_001270615	DEDD2	death effector domain containing	-1.069050526	1.758634162	18.972676	18.489935	30.273569	5.14406778	5.05054456	5.94086581	1349	1686	2918
79623	NM_001253826,NM_001253827	GALNT14	polypeptide N-acetylgalactosamii	1.249578822	1.7585496	13.015342	16.211767	21.474604	5.15132397	5.4646572	5.94814289	1356	2264	2933
55917	NM_018704	CTTNBP2NL	CTTNBP2 N-terminal like	1.083745722	1.758445732	3.152783	3.42507	5.214157	4.25817433	4.36837876	5.03967945	712	1031	1540
203328	NM_001287005,NM_001287006	SUSD3	sushi domain containing 3	1.079569121	1.757995732	1.289626	1.414228	2.149396	1.35261029	1.42093184	1.90057841	61	88	132
56925	NM_020169	LXN	latexin	-1.325986916	1.757915872	46.089645	34.797329	76.161766	5.67529852	5.27758104	6.47697595	1967	1982	4253
857	NM_001172895,NM_001172896	CAV1	caveolin 1	1.457487887	1.757806782	103.014368	147.53418	166.533745	8.01798997	8.61958137	8.86924918	10568	20580	22848
2309	NM_001455,NM_201559	FOXO3	forkhead box O3	1.016827211	1.757687938	8.694985	8.850644	14.368346	5.98069949	6.00439694	6.78452487	2440	3315	5275
10434	NM_001279356,NM_001279357	LYPLA1	lysophospholipase I	-1.249458564	1.757618115	20.321073	16.209529	33.402252	5.69174366	5.37736782	6.49331813	1990	2128	4302
23351	NM_001290256,NM_001290257	KHNYN	KH and NYN domain containing	1.114320021	1.757476264	16.429653	18.417613	27.180541	6.66835688	6.82306857	7.47575329	3954	5887	8547
83875	NM_001037290,NM_001256397	BCO2	beta-carotene oxygenase 2	-2.574796936	1.757453023	1.936786	0.752818	3.454254	2.70083015	1.64851465	3.4156568	216	112	467
57462	NM_020702	KIAA1161	KIAA1161	1.232579635	1.757433675	2.056843	2.53719	3.39688	3.79844995	4.08048581	4.56665693	507	835	1096
28999	NM_014079	KLF15	Kruppel like factor 15	-1.201072603	1.756896052	0.181643	0.155183	0.306222	0.54446555	0.46599441	0.85412573	18	20	39
26090	NM_001042472,NM_015600	ABHD12	abhydrolase domain containing 1	1.308768948	1.756508922	31.887861	41.586375	52.000899	6.00779304	6.39071865	6.8108429	2487	4349	5373
10126	NM_005740	DNAL4	dynein axonemal light chain 4	1.242819774	1.756392131	3.938118	4.892215	6.492622	2.74535098	3.01642592	3.4624849	224	372	484
152926	NM_152542	PPM1K	protein phosphatase, Mg2+/Mn2+	-2.026782124	1.75631974	1.383196	0.681779	2.286261	3.30588543	2.42883772	4.05439856	349	230	754
10026	NM_005482	PIGK	phosphatidylinositol glycan ancho	1.180508601	1.756217427	9.325119	11.022813	15.394186	5.42632706	5.66061052	6.22432111	1649	2601	3562
6560	NM_001145961,NM_001145962	SLC12A4	solute carrier family 12 member 4	1.345294436	1.755839208	7.961947	10.717164	13.147528	5.24247649	5.66061052	6.03818562	1447	2601	3125
900	NM_004060,NM_199246	CCNG1	cyclin G1	-1.071730401	1.75514465	27.241657	25.517646	45.032457	6.05443061	5.95604059	6.85667747	2570	3204	5548
64077	NM_001167880,NM_001318331	LHPP	phospholysine phosphohistidine i	1.205935524	1.755029358	2.823925	3.477172	4.356762	2.32162912	2.541776	3.00368412	157	253	339
83941	NM_032027,NR_135160,NR_13	TMZD1	TM2 domain containing 1	1.102161167	1.754479783	13.391474	14.775292	22.231094	4.15055879	4.28336529	4.92634185	658	969	1420
10447	NM_001040020,NM_014888	FAM3C	family with sequence similarity 3	1.131548441	1.753869347	53.075362	60.081814	87.494521	7.04074763	7.21777506	7.84642114	5130	7756	11065
255512	NR_029409	TOLLIP-AS1	TOLLIP antisense RNA 1 (head t	1.546569176	1.753530836	1.142548	1.768804	1.896708	1.08456011	1.45142181	1.56919173	44	91	95
441459	NM_001244752	ANKRD18B	ankyrin repeat domain 18B	-1.672376226	1.752890327	0.930834	0.555078	1.533881	2.14180175	1.60397149	2.80425801	134	107	289
8732	NM_001286426,NM_001286428	RNGTT	RNA guanylyltransferase and 5'-p	1.231548714	1.752855738	2.561222	3.164388	4.235579	3.70855202	3.98818428	4.47020574	474	780	1022
5796	NM_001135648,NM_001291981	PTPRK	protein tyrosine phosphatase, rec	1.450576847	1.752722304	8.697862	12.620038	14.309399	5.71431642	6.24240584	6.5120984	2022	3919	4359
84061	NM_032121	MAGT1	magnesium transporter 1	1.3048339	1.752494462	21.044596	27.491314	34.662518	6.38195877	6.76178901	7.18394299	3235	5640	6973
4248	NM_001098270,NM_002409	MGAT3	mannosyl (beta-1,4-)-glycoprotein	-1.624794179	1.752405981	2.600855	1.604138	4.289986	3.76640418	3.13073752	4.52962301	495	407	1067

23064	NM_001351527,NM_001351528	SETX	senataxin	1.791543707	1.752327962	6.745133	12.152422	11.152278	6.21886148	7.05150499	7.01981835	2885	6906	6218
5834	NM_002862	PYGB	glycogen phosphorylase B	1.388412565	1.751600792	34.083817	47.379395	56.108944	7.10968415	7.58020322	7.91388174	5383	9986	11597
100272217	NR_027440	LOC100272217	uncharacterized LOC100272217	1.280516484	1.750963377	1.178221	1.512703	1.939086	1.79522562	2.05815489	2.41366048	97	166	209
28983	NM_014058	TMPRSS11E	transmembrane protease, serine	-1.040547838	1.75068857	2.05775	1.989093	3.398735	2.40724866	2.36086138	3.09392991	169	217	364
162972	NM_001277090,NM_001277091	ZNF550	zinc finger protein 550	1.028388969	1.750484932	10.254068	10.413666	16.845054	5.25215086	5.29149439	6.04363098	1457	2002	3137
100507588	NM_001195259	TGFBR3L	transforming growth factor beta r	-1.775175879	1.750467453	2.426583	1.368031	4.002427	1.9928118	1.42093184	2.63662357	117	88	252
400961	NM_020459	PAIP2B	poly(A) binding protein interacting	1.551881001	1.74984817	0.839953	1.309799	1.383912	2.62541894	3.17404113	3.3291189	203	421	437
200081	NM_175852	TXLNA	taxilin alpha	1.563225741	1.749692991	9.900049	15.492608	16.27586	5.56163349	6.19514198	6.35562515	1815	3791	3906
389136	NM_001320493,NM_001320494	VGLL3	vestigial like family member 3	1.706651631	1.749628835	0.849816	1.441963	1.382418	3.25290323	3.96018541	3.99380211	335	764	721
529	NM_001039366,NM_001039367	ATP6V1E1	ATPase H+ transporting V1 subu	-1.012032302	1.749575136	28.51398	28.260335	46.855109	5.31811369	5.30129222	6.10958589	1527	2016	3286
114899	NM_030945,NM_181435,NR_14	C1QTNF3	C1q and TNF related 3	1.549008363	1.749462264	0.514121	0.802952	0.851134	1.66222564	2.12272838	2.25996639	85	176	183
10463	NM_006345	SLC30A9	solute carrier family 30 member 9	1.19034765	1.749217513	17.159031	20.444788	28.204689	5.79396609	6.04119638	6.5895273	2139	3402	4602
5351	NM_000302,NM_001316320	PLOD1	procollagen-lysine,2-oxoglutarate	1.949666616	1.74915219	38.536771	75.307673	63.71163	6.85292913	7.81008115	7.65424495	4499	11720	9679
3918	NM_005562,NM_018891	LAMC2	laminin subunit gamma 2	1.020278807	1.748867199	113.911829	116.219265	187.332382	9.27629956	9.30521689	10.08172654	24305	33133	52280
81490	NM_001329544,NM_001329545	PTDSS2	phosphatidylserine synthase 2	1.594638292	1.748504347	5.111003	8.145259	8.582002	3.64240927	4.27202169	4.39835229	451	961	970
55589	NM_017593,NM_198892	BMP2K	BMP2 inducible kinase	-1.096787353	1.748369474	3.197616	3.080935	5.097505	3.43381096	3.31335619	4.18168353	385	469	828
79594	NM_024544	MUL1	mitochondrial E3 ubiquitin protein	1.95381679	1.748366937	9.755181	19.087418	16.034458	4.6062649	5.54343125	5.38676798	917	2394	1972
286336	NM_033387	FAM78A	family with sequence similarity 78	1.437496299	1.747961383	0.172748	0.247022	0.282475	0.07331634	0.96581954	1.11084509	26	50	56
127829	NM_001256129,NM_138795	ARL8A	ADP ribosylation factor like GTPa	1.0279662	1.747892776	10.944336	11.231504	17.875988	4.32386849	4.36170552	5.09841735	747	1026	1606
6400	NM_001244984,NM_005065	SEL1L	SEL1L ERAD E3 ligase adaptor s	1.111874786	1.746965514	10.590092	11.61481	17.144016	6.34897901	6.50019628	7.14626435	3161	4696	6792
55754	NM_001143958,NM_018247	TMEM30A	transmembrane protein 30A	-1.101224193	1.746515564	17.296442	15.606972	28.16902	6.26355069	6.12633688	7.06000436	2977	3612	6395
2058	NM_004446	EPRS	glutamyl-prolyl-tRNA synthetase	1.089578935	1.746312427	36.300865	39.596252	59.572048	7.47778611	7.60089309	8.27864467	6959	10131	14947
10390	NM_001007794,NM_001330743	CEPT1	choline/ethanolamine phosphotra	-1.028632586	1.745742348	20.109833	19.655612	33.442647	5.5285799	5.4887443	6.31904583	1773	2303	3807
54797	NM_001127350,NM_017638	MED18	mediator complex subunit 18	1.064256896	1.745579447	9.457978	10.023413	15.501208	4.18126603	4.26631627	4.95069932	673	957	1445
4646	NM_001300899,NM_004999	MYO6	myosin VI	-1.405617886	1.745484488	8.107297	5.768444	13.291773	6.10815615	5.62538694	6.90284938	2669	2537	5730
9813	NM_014774	EFCAB14	EF-hand calcium binding domain	-1.001241761	1.745125162	10.685564	10.685422	17.52437	5.93097218	5.92921109	6.72419959	2356	3144	5057
101928659	NR_135180	LOC101928659	uncharacterized LOC101928659	1.664117577	1.744763782	0.848121	1.388147	1.347324	0.41264541	0.63490936	0.65979727	13	29	28
2907	NM_000837,NM_001009184	GRINA	glutamate ionotropic receptor NM	1.623937733	1.743799763	46.860711	76.772217	77.19228	6.45204887	7.14521738	7.24725757	3398	7373	7288
64854	NM_001134223,NM_001286767	USP46	ubiquitin specific peptidase 46	1.048035145	1.743397474	2.088486	2.193223	3.41556	4.1064401	4.17029377	4.87228279	637	892	1366
221079	NM_178815	ARL5B	ADP ribosylation factor like GTPa	1.002121237	1.74319301	4.748939	4.76542	7.780937	4.13809052	4.14097459	4.90456173	652	873	1398
129804	NM_001128165,NM_153214	FBLN7	fibulin 7	1.508063479	1.742782196	0.701297	1.060845	1.154366	1.36892851	1.75827411	1.90855849	62	125	133
5271	NM_001031848,NM_001276490	SERPINB8	serpin family B member 8	2.836885843	1.742548353	1.022029	2.549138	1.625974	1.93632435	3.17404113	2.56774382	111	421	238
154791	NM_197964,NR_073058,NR_07	FMC1	formation of mitochondrial compl	-1.46753673	1.742449022	3.672622	2.473175	6.001622	2.39332696	1.96260273	3.07278016	167	152	358
10945	NM_006801	KDELR1	KDEL endoplasmic reticulum pro	1.010759143	1.741881727	119.749847	121.161606	196.007858	7.51201023	7.52736558	8.30929632	7127	9625	15269
7351	NM_003355	UCP2	uncoupling protein 2	1.159101279	1.741626789	2.103968	2.44186	3.450448	2.13345087	2.30073045	2.78704637	133	206	285
7812	NM_001007553,NM_001130523	CSDE1	cold shock domain containing E1	1.387596614	1.741547707	64.747792	89.14469	104.902971	8.00038134	8.47139924	8.79835723	10014	18566	21450
3136	NR_001434	HLA-H	major histocompatibility complex,	1.048792879	1.741500625	34.90316	36.648113	57.122898	5.88134087	5.9489347	6.67124319	2275	3188	4873
55789	NM_001145208,NM_018369	DEPDC1B	DEP domain containing 1B	1.262525205	1.741299649	12.64256	15.902143	20.543985	4.96269999	5.28938617	5.74309004	1185	1999	2538
54795	NM_001195227,NM_013221281	TRPM4	transient receptor potential catior	-1.312509239	1.741294594	16.132361	12.041826	25.782324	5.9524941	5.56740891	6.7427309	2392	2435	5123
49855	NM_001145923,NM_020843	SCAPER	S-phase cyclin A associated prot	-1.137504605	1.741105076	1.48224	1.341253	2.495127	3.00082115	2.83945493	3.72222359	275	323	589
4082	NM_002356	MARCKS	myristoylated alanine rich protein	1.693109303	1.741012609	10.661359	18.067482	17.442669	5.51337462	6.26009696	6.29983366	1754	3968	3756
91526	NM_001195144,NM_153697	ANKRD44	ankyrin repeat domain 44	2.166385123	1.740557557	0.209374	0.454131	0.395174	1.16869613	1.89025622	1.66651905	49	142	105
5066	NM_000919,NM_001177306,NM	PAM	peptidylglycine alpha-amidating r	1.515831226	1.740078821	16.521749	25.159836	27.112775	6.43261128	7.02704116	7.22466324	3352	6789	7174
10567	NM_006423	RABAC1	Rab acceptor 1	-1.03122018	1.739356301	51.635677	50.122925	84.393463	5.37766084	5.33438844	6.16143061	1593	2064	3408
388531	NM_207391	RGS9BP	regulator of G protein signaling 9	-2.326361014	1.73929194	0.253115	0.107902	0.413929	0.77668502	0.38408669	1.16514558	28	16	60
9767	NM_001077445,NM_014735	JADE3	jade family PHD finger 3	1.126734295	1.738565536	0.954038	1.076147	1.554507	2.6243808	2.48150547	2.16560381	180	271	385
8676	NM_003764	STX11	syntaxin 11	1.139759334	1.738310382	0.099157	0.110754	0.162199	0.61813834	0.68708806	0.95003448	21	32	45
105372476	NR_136528,NR_136529	LOC105372476	uncharacterized LOC105372476	1.742183719	1.738263737	2.717238	4.792852	4.617575	1.59082596	2.17238371	2.16988427	79	184	169
8826	NM_003870	IQGAP1	IQ motif containing GTPase activ	1.145143017	1.738112338	33.2593	38.131271	54.327541	7.87340503	8.06815494	8.66831877	9167	14026	19597
113278	NM_033409	SLC52A3	solute carrier family 52 member 3	1.125255186	1.738108075	9.710702	10.940886	15.87132	4.7277342	4.89192945	5.50200967	1001	1505	2140
27338	NM_014501	UBE2S	ubiquitin conjugating enzyme E2	1.184314482	1.737930517	155.675247	184.584732	254.267624	7.5041374	7.74695568	8.29813918	7088	11216	15151
64778	NM_001135095,NM_022763	FNDC3B	fibronectin type III domain contair	1.213321094	1.737916339	18.664255	22.742217	30.637175	7.00457422	7.2815643	7.7971681	5002	8109	10692
81624	NM_001042517,NM_001258366	DIAPH3	diaphanous related formin 3	1.010492731	1.737279297	3.85599	3.835267	6.325784	4.22318689	4.23744571	4.98695254	694	937	1483
197257	NM_153486,NM_194436	LDHD	lactate dehydrogenase D	-3.579961838	1.737156876	1.925901	0.536904	3.226304	2.29192162	1.06116576	2.95827541	153	57	327
6452	NM_001122681,NM_001145855	SH3BP2	SH3 domain binding protein 2	1.977091357	1.737095877	8.330266	16.474168	13.634476	6.23700106	7.21092267	7.02556268	2922	7719	6243
114876	NM_001242508,NM_018030,NM	OSBPL1A	oxysterol binding protein like 1A	-1.29398451	1.737068687	14.849418	13.075622	27.482162	5.8415226	5.47705979	6.62749283	2212	2284	4726
9917	NM_001324310,NM_001324311	FAM20B	FAM20B, glycosaminoglycan xyl	1.058287488	1.736774866	15.830767	16.793131	25.842501	6.53403852	6.61491476	7.3238488	3599	5089	7688
7702	NM_001282656,NM_001282657	ZNF143	zinc finger protein 143	1.065789826	1.736627344	7.847274	8.349695	12.7813	4.55247036	4.64060352	5.32251714	882	1256	1884
101241902	NR_077236	LOC101241902	chromosome 4 open reading fran	-5.997068941	1.736355262	0.236971	0.025673	0.382458	0.43999062	0.08023518	0.69713258	14	3	30
2117	NM_001145312,NM_005240	ETV3	ETS variant 3	1.013649274	1.736212912	3.296426	3.16141	4.927071	2.64317467	2.65962865	3.33801005	206	279	440
101927934	NR_105045	LINC01843	long intergenic non-protein codin	1.269405955	1.735896078	5.041355	8.22711	6.420585	2.68948191	2.98550663	3.8872937	214	363	457
160	NM_014203,NM_130787	AP2A1	adaptor related protein complex 2	1.105962013	1.735509313	17.935751	19.866277	29.261142	5.93036974	6.07340943	6.71569694	2355	3480	5027
221035	NM_001001330	REEP3	receptor accessory protein 3	-1.43389678	1.735190666	20.561188	14.352062	33.527039	6.71702247	6.20300317	7.50631125	4091	3812	8731
6237	NM_006270	RRAS	related RAS viral (r-ras) oncogen	-1.34803548	1.735142549	41.908844	31.115948	68.35553	5.36612462	4.94735617	6.14632498	1580	1566	3372
3895	NM_001079521,NM_001079522	KTN1	kinectin 1	1.492963818	1.734909969	54.51307	81.348607	88.924127	7.96757906	8.54385911	8.76000331	9788	19525	20886
23048	NM_015033	FNBP1	formin binding protein 1	1.250257687	1.734664571	7.50442	9.397205	12.236894	5.34548562	5.66061052	6.12507905	1557	2601	3322
729359	NM_001080400	PLIN4	perilipin 4	1.860606371	1.734219973	1.944891	3.626361	3.174419	3.70573844	4.54958432	4.45257508	473	1176	1009
286451	NM_001195214,NM_173834	YIPF6	Yip1 domain family member 6	1.066840167	1.733924241	9.853049	10.524869	16.114924	5.93758245	6.02945501	6.72165405	2367	3374	5048
54542	NM_001100588,NM_018835	RC3H2	ring finger and CCCH-type doma	1.275433706	1.733914817	4.061724	5.217095	6.556228	4.01393646	4.34556265	4.76977761	595	1014	1269
91442	NM_001300978,NM_152266	FAAP24	Fanconi anemia core complex as	1.233408671	1.732414984	1.721691	1.815166	2.414202	1.73025772	1.94842076	2.32699908	91	150	194
7984	NM_005435	ARHGEF5	Rho guanine nucleotide exchang	-1.366024811	1.732291344	5.650291	4.140467	9.202341	4.96387793	4.53067054	5.73694088	1186	1160	2527
4077	NM_001291571,NM_001291572	NBR1	NBR1, autophagy cargo receptor	-1.017154313	1.73164134	28.727425	28.389596	46.800184	7.08309989	7.05874334	7.87075028	5284	6941	11254
147184	NM_001195386,NM_001195387	TMEM99	transmembrane protein 99	1.356563479	1.731476979	4.183063	5.688268	6.817422	3.23740108	3.63669106	3.96347983	331	600	705
23097	NM_001300960,NM_001300963	CDK19	cyclin dependent kinase 19	1.020586361	1.731147049	1.517582	1.550547	2.473022	3.35699061	3.38355363	4.08816658	363	495	773
149466	NM_001164829,NM_182517	C1orf210	chromosome 1 open reading fran	1.40864629	1.730998775	4.495569	6.359524	7.337719	2.90595399	3.34347295	3.614139	255	480	543
2919	NM_001511,NR_046035	CXCL1	C-X-C motif chemokine ligand 1	2.214066735	1.730978917	2.215095	4.9462	3.632183	1.82664439	2.73178769	2.43591723	100	296	213
162962	NM_001102657	ZNF836	zinc finger protein 836	-1.260141881	1.730978917	0.784648	0.61792	1.272509	1.82664439	1.59899542	2.43591723	100	106	213
128344	NM_001300831,NM_181643,NR	PIFO	primary cilia formation	2.015933494	1.730551539	0.073787	0.150431	0.118437	0.23670415	0.44594451	0.39027104	7	19	15
125919	NM_213598	ZNF543	zinc finger protein 543	1.254671085	1.730123341	3.390366	4.260196	5.51192	3.71416279	4.01904684	4.45802288	476	798	1013
955	NM_001114089,NM_001247,NM	ENTPD6	ectonucleoside triphosphate diph	1.301901341	1.729965963	26.936784	35.26151	43.992712	6.76882532	7.14638265	7.55399176	4242	7379	9026
8609	NM_001270942,NM_001270943	KLF7	Kruppel like factor 7	-2.003860255	1.728526131	2.122702	1.049239	3.363117	4.16701728	3.24247658	4.92240621	666	444	1416
92565	NM_001350939,NM_145235	FANK1	fibronectin type III and ankyrin re	1.178486527	1.727890861	2.453771	3.010394	4.061244	2.0823043	2.26684378	2.72060965	127	200	270
153396	NM_001289007,NM_001289008	TMEM161B	transmembrane protein 161B	1.037277941	1.727837512	11.855112	12.500943	19.526456	4.94013441	4.99125166	5.70922621	1166	1616	2478
57107	NM_020381	PDSS2	decaprenyl diphosphate synthase	1.118992209	1.727341136	1.530543	1.712148	2.484047	2.65489157	2.79259185	3.34390718	208	311	442
259282	NM_148894	BOD1L1	biorientation of chromosomes in	1.083997679	1.727120487	7.326393	7.952313	11.892999	6.25202543	6.36692357	7.03242582	2953	4277	6273
25814	NM_001167621,NM_013236	ATXN10	ataxin 10	-1.045326775	1.727024815	26.989161	25.696453	43.536172	6.45916656	6.39595357	7.24055586	3415	4365	7254
5211	NM_001002021,NM_002626	PFKL	phosphofructokinase, liver type	1.315101475	1.726365459	22.790739	30.275576	37.382947	6.06325022	6.45325973	6.84190781	2586	4544	5491
9858	NM_014811	PPP1R26	protein phosphatase 1 regulatory	-1.12969149	1.726266735	20.145117	17.852459	32.678715	6.6108664	6.43684541	7.39231617	3798	4492	8064
10067	NM_005698,NM_052837	SCAMP3	secretory carrier membrane prote	1.14279866	1.725953696	20.017479	22.765051	32.341049	4.96623093	5.15303948	5.73413712	1188	1814	2522
51545	NM_016535	ZNF581	zinc finger protein 581	-1.148404134	1.725597642	10.948245	9.557979	17.780331	3.81681978	3.63226192	4.56033921	514	598	1091
10767	NM_001145158,NM_001145207	HBS1L	HBS1 like translational GTPase	-1.149749668	1.725474665	4.112285	3.776816	6.058438	4.6997269	4.50667419	5.46325552	981	1140	2082
84706	NM_001142466,NM_133443	GPT2	glutamic--pyruvic transaminase 2	1.349292894	1.725351002	12.01153	16.20074	19.447363	5.57016669	5.99450941	6.34427044	1826	3292	3875
85358	NM_033517	SHANK3	SH3 and multiple ankyrin repeat	2.531292822	1.725023122	0.665597	1.690504	1.080539	2.48150547	3.65645563	3.15558012	180	609	382
57623	NM_001029939,NM_001167583	ZFAT	zinc finger and AT-hook domain c	1.502320508	1.725002835	2.197057	3.308455	3.693176	3.49049124	4.03423402	4.22226663	402	807	853
51765	NM_001042452,NM_001042453	STK26	serine/threonine kinase 26	1.103001052	1.724910474	11.79787	13.154966	19.299877	5.29770564	5.43572001	6.06877437	1505	2218	3193
51316	NM_001130715,NM_001130716	PLAC8	placenta specific 8	1.267264976	1.724857031	20.883826	25.529432	32.249444	4.79810635	5.12887652	5.56268791	1053	1783	2234
101930370	NR_134241,NR_134242	LOC101930370	uncharacterized LOC101930370	1.147829728	1.72443761	1.713539	2.030151	2.80953	2.25390578	2.41343275	2.9074142	148	227	314
64860	NM_001168478,NM_001168479	ARMCX5	armadillo repeat containing, X-lin	1.242726741	1.724310066	3.633921	4.503852	5.87325	3.41670749	3.70365887	4.14500092	380	631	806
57157	NM_001127357,NM_001127358	PHTF2	putative homeodomain transcript	-1.414483809	1.723485352	7.04389	4.985988	12.151805	5.12944497	4.64610598	5.89741808	1335	1261	2830

823	NM_001198868,NM_001198869	CAPN1	calpain 1	-1.071266481	1.723426743	97.840036	91.415604	158.702888	8.18595475	8.0869894	8.96915968	11394	14211	24152
5786	NM_002836,NM_080840,NM_08	PTPRA	protein tyrosine phosphatase, rec	1.478457405	1.72301061	15.424519	22.840811	24.831434	5.66591984	6.22081235	6.43891228	1954	3860	4141
7040	NM_000660	TGFB1	transforming growth factor beta 1	-1.142251131	1.723001216	15.124516	13.25342	24.488712	5.37057255	5.18363121	6.14083107	1585	1854	3359
318	NM_001161,NM_001244390,NM	NUDT2	nudix hydrolase 2	1.080729449	1.722880113	6.50279	7.977957	11.820153	2.96832247	3.06652959	3.67388275	268	387	568
101929243	NR_134625,NR_134626	LOC101929243	uncharacterized LOC101929243	2.329962286	1.722669475	1.107569	2.296592	1.318097	0.49317359	0.96581954	0.76902392	16	50	34
283981	NR_027231_chrX,NR_027231_c	LINC00685	long intergenic non-protein codin	1.121836775	1.722669475	0.552761	0.692094	0.987835	0.49317359	0.54351856	0.76902392	16	24	34
140609	NM_133494	NEK7	NIMA related kinase 7	-1.107683938	1.722510464	7.734569	6.991789	12.523749	5.00565571	4.86292405	5.77126223	1222	1474	2589
65983	NM_001146319,NM_001146320	GRAMD2B	GRAM domain containing 2B	-1.781015849	1.721826298	13.611743	7.629503	22.019293	5.33459909	4.52948015	6.10351555	1545	1159	3272
115548	NM_001146032,NM_138782	FCHO2	FCH domain only 2	-1.228627958	1.72150267	6.664253	5.427917	10.811691	5.05843928	4.7712289	5.82389986	1269	1380	2687
10140	NM_001243877,NM_001243885	TOB1	transducer of ERBB2, 1	-1.180631322	1.721303548	105.129354	89.134315	170.106992	7.8429989	7.60457183	8.62387253	8975	10157	19001
7132	NM_001065,NM_001346091,NM	TNFRSF1A	TNF receptor superfamily membe	1.479084831	1.720398148	47.260349	70.252543	76.614287	6.70015794	7.26037389	7.47709544	4043	7990	8555
348938	NM_001099287,NM_001172292	NIPAL4	NIPA like domain containing 4	-2.090659228	1.720386878	0.746734	0.35838	1.208184	1.76310734	1.10017522	2.35646843	94	60	199
29071	NM_001011551,NM_152692	C1GALT1C1	C1GALT1 specific chaperone 1	-7.638933371	1.720217239	20.970282	2.733778	33.929059	5.18605837	2.49375478	5.95200904	1390	243	2941
90952	NM_138961	ESAM	endothelial cell adhesion molecul	-2.050815077	1.71950763	4.844512	2.362341	7.848324	3.29843463	2.40826098	4.01797815	347	226	734
3716	NM_001320923,NM_001321852	JAK1	Janus kinase 1	1.360288552	1.719514257	12.17876	16.594732	19.686073	5.94773912	6.38546467	6.71995453	2384	4333	5042
726	NM_004055	CAPN5	calpain 5	1.040498878	1.719447976	3.419746	3.561925	5.523833	3.96536097	4.01904684	4.7082479	574	798	1214
7046	NM_001130916,NM_001306210	TGFBR1	transforming growth factor beta r	1.927447624	1.719041477	2.525182	4.869876	4.072135	4.0892716	4.99470627	4.83508422	629	1620	1330
5223	NM_001317079,NM_002629	PGAM1	phosphoglycerate mutase 1	1.350279542	1.719014964	68.854144	93.099978	111.318573	6.98004173	7.41034031	7.75684956	4917	8871	10396
389	NM_001042678,NM_001042679	RHOC	ras homolog family member C	1.150380503	1.718438288	142.65879	164.936949	231.711198	7.57020913	7.77133027	8.34813903	7422	11408	15687
9314	NM_001314052,NM_004235	KLF4	Kruppel like factor 4	2.657989466	1.718312718	11.299212	30.155029	18.20163	5.04848016	6.43143843	5.81118548	1260	4475	2663
21	NM_001089	ABCA3	ATP binding cassette subfamily A	-2.103102293	1.717795621	1.081926	0.513888	1.746993	2.99622306	2.11004283	3.69940604	274	174	579
654841	NR_102371	LOC654841	uncharacterized LOC654841	2.044226257	1.717675762	0.073193	0.166814	0.128618	0.26755841	0.50527715	0.43515728	8	22	17
100507316	NR_120682,NR_120683	MINCR	MYC-induced long noncoding RN	1.070121183	1.716534325	5.731011	5.23496	8.207467	1.89739865	1.96964178	2.50596801	107	153	226
5270	NM_001136528,NM_001136530	SERPINE2	serpin family E member 2	1.798368685	1.716341581	19.931017	35.960043	32.084594	5.48575866	6.31812263	6.2516338	1720	4133	3631
7357	NM_003358	UGCG	UDP-glucose ceramide glucosylt	-1.002949475	1.716287502	53.372147	53.271137	86.080948	7.71067572	7.70644704	8.48709805	8185	10904	17278
6645	NM_006750	SNTB2	syntrophin beta 2	-1.019327124	1.715954542	2.928842	2.875597	4.722404	4.85126892	4.82461482	5.6093351	1094	1434	2309
54407	NM_001307936,NM_018976	SLC38A2	solute carrier family 38 member 2	1.175667809	1.715864825	75.477669	88.815282	119.369744	8.45992018	8.69279	9.2371506	13785	21654	29092
284161	NM_001165993,NM_001165994	GDPD1	glycerophosphodiester phosphod	-1.26551468	1.715803896	1.27427	0.893212	2.013213	2.07360076	1.82188956	2.70236404	126	133	266
1806	NM_000110,NM_001160301	DPYD	dihydropyrimidine dehydrogenas	1.248157072	1.7157802	5.990952	7.402713	9.214849	4.64349742	4.95180631	5.39814864	942	1571	1988
203245	NM_197956	NAIF1	nuclear apoptosis inducing factor	1.160747637	1.715473222	2.788851	3.246737	4.502511	3.35699061	3.55246622	4.0758175	363	563	766
2335	NM_001306129,NM_001306130	FN1	fibronectin 1	2.852681949	1.714592105	1.591654	2.57311	3.863009966	5.30963773	4.59907035	532	2028	1122	
221584	NR_024063	ZSCAN12P1	zinc finger and SCAN domain co	-1.760428488	1.714422913	1.119186	0.636692	1.806804	2.44147625	1.81408935	3.10438964	174	132	367
79094	NM_001142776,NM_024111	CHAC1	ChaC glutathione specific gamm	1.169857762	1.712821646	10.211677	11.963501	16.462523	4.27535493	4.49085976	5.02047721	721	1127	1519
23204	NM_001313858,NM_015161	ARL6IP1	ADP ribosylation factor like GTP	1.235983622	1.712794209	229.447051	283.995577	369.35056	9.07462061	9.37977066	9.84986165	21129	34893	44511
25837	NM_001308053,NM_014353	RAB26	RAB26, member RAS oncogene	-1.103246751	1.712379609	11.05535	9.991441	17.541735	4.20934818	4.07560059	4.95263026	687	832	1447
2696	NM_000164,NM_001308418	GIPR	gastric inhibitory polypeptide rec	-1.192084463	1.712320118	3.289266	2.79858	5.385113	3.5292011	3.29945612	4.25236388	414	464	872
79801	NM_001324318,NM_001324319	SHCBP1	SHC binding and spindle associa	1.157717479	1.711970577	13.174927	15.329526	21.396403	5.44837589	5.65516321	6.21026664	1675	2591	3527
79898	NM_001031721,NM_024840	ZNF613	zinc finger protein 613	-2.042044491	1.711763284	0.831741	0.402383	1.347156	1.54118428	0.95166931	2.09493548	75	49	158
339287	NM_001012241	MSL1	male specific lethal 1 homolog	1.015163267	1.711611955	23.170143	23.550343	37.273232	6.44616075	6.46762604	7.21464071	3384	4590	7124
113451	NM_001293562,NM_001301823	AZIN2	antizyme inhibitor 2	1.264311435	1.711266424	2.612469	3.194329	4.151761	2.54584744	2.83174937	3.21470347	190	321	400
11336	NM_007277	EXOC3	exocyst complex component 3	1.218206733	1.711229146	7.861036	9.585127	12.641756	4.46864976	4.74172192	5.21642227	830	1351	1747
57552	NM_001146276,NM_001146277	NCEH1	neutral cholesterol ester hydrolas	-1.212528767	1.710875066	41.474988	34.27803	66.601119	7.44441912	7.16815463	8.21571771	6799	7492	14307
5885	NM_006265	RAD21	RAD21 cohesin complex compor	1.090167846	1.710485189	134.693512	147.006119	216.510269	8.94484718	9.06915596	9.71803973	19308	28124	40620
84333	NM_001256549,NM_001257101	PCGF5	polycomb group ring finger 5	-1.704613941	1.709189913	14.442168	6.118171	12.183452	5.1647037	4.42324784	5.9212789	1369	1073	2878
26135	NM_001018067,NM_001018068	SERBP1	SERPINE1 mRNA binding protei	1.97089492	1.708768734	32.288616	63.711491	51.830019	7.73070921	8.70621946	8.5009845	8300	21857	17444
571	NM_001186,NM_206866,NR_02	BACH1	BTB domain and CNC homolog	1.451505652	1.70866876	3.803813	5.52229	6.089273	4.46199571	4.97909494	5.20755546	826	1602	1736
3146	NM_001313892,NM_001313893	HMGB1	high mobility group box 1	2.146050706	1.708483984	40.726631	88.333487	64.895399	7.42765516	8.52486962	8.1969027	6720	19269	14121
100616210	NR_039890	MIR4737	microRNA 4737	-1.002067138	1.707626065	2.780814	2.799718	4.676186	0.29776659	0.29720487	0.47868902	9	12	19
6513	NM_006516	SLC2A1	solute carrier family 2 member 1	1.312888319	1.707602089	109.932594	144.48877	176.408005	8.62137582	9.01324907	9.39183315	15422	27053	32390
51375	NM_015976,NM_152238,NR_03	SNX7	sorting nexin 7	1.317076109	1.707412164	5.579696	7.358211	8.941275	3.41326233	3.77771682	4.1280136	379	667	796
55898	NM_001039675,NM_001323619	UNC45A	unc-45 myosin chaperone A	1.042721382	1.707200608	16.737876	17.579549	27.128434	5.93036974	5.98975653	6.69219736	2355	3281	4945
51773	NM_016578	RSF1	remodeling and spacing factor 1	1.449803946	1.707034642	6.646697	9.650356	10.665669	5.0976022	5.62036393	5.8515867	1305	2528	2740
81788	NM_030952	NUAK2	NUAK family kinase 2	-1.482867792	1.706268702	1.068345	0.722659	1.71981	2.19894236	1.77444288	2.83389297	141	127	296
8099	NM_001270433,NM_001270434	CDK2AP1	cyclin dependent kinase 2 associ	-1.836926723	1.706262355	26.953058	15.917396	43.432803	5.41172615	4.56244519	6.16850922	1632	1187	3425
65977	NM_019091	PLEKHA3	pleckstrin homology domain cont	1.399540998	1.705618788	4.317357	6.055563	6.924783	3.509976	3.95841731	4.22706077	408	763	856
23401	NM_012083	FRAT2	FRAT2, WNT signaling pathway	-1.164466506	1.70560187	2.650488	2.284369	4.257216	2.74535098	2.5605457	3.42403181	224	257	470
10198	NM_022782,NR_103517	MPHOSPH9	M-phase phosphoprotein 9	1.116149595	1.705361771	3.891913	4.332187	6.218329	4.10216709	4.2519532	4.83717616	635	947	1332
79701	NM_024648,NM_175902,NR_03	OGFOD3	2-oxoglutarate and iron dependei	1.024388838	1.705055034	8.706325	8.933664	13.773954	5.24635403	5.28021477	6.00041522	1451	1986	3043
100131347	NR_036551	LOC100131347	RAD52 motif containing 1 pseud	1.221652262	1.704773139	0.331841	0.408852	0.544151	0.81895953	0.95166931	1.20457043	30	49	63
2491	NM_001318521,NM_001318523	CENPI	centromere protein I	1.198949232	1.704174786	4.93204	6.007542	8.097591	4.03201954	4.27912189	4.76429118	603	966	1264
7317	NM_003334,NM_153280	UBA1	ubiquitin like modifier activating e	1.250585233	1.704088426	49.466572	61.81291	79.142538	7.44167385	7.76261798	8.20725098	6786	11339	14223
267	NM_001144,NM_001323511,NM	AMFR	autocrine motility factor receptor	1.240891542	1.703304181	23.375082	28.796608	37.074211	6.36199349	6.66997084	7.12308987	3190	5289	6683
442578	NR_040582	STAG3L3	stromal antigen 3-like 3 (pseudo	1.050064463	1.703088303	3.171535	3.332207	5.077492	2.94465259	3.00619294	3.6335275	263	369	551
2934	NM_000177,NM_001127662,NM	GSN	gelsolin	1.278611352	1.703057855	76.928369	98.176096	124.222678	7.65433256	8.00735333	8.41950911	7870	13445	16485
57579	NM_001105531,NM_001162529	FAM135A	family with sequence similarity 13	-1.480727044	1.702408241	1.307176	0.856567	1.991415	3.00540462	2.52275889	3.69710431	276	249	578
51667	NM_001243351,NM_016118	NUB1	negative regulator of ubiquitin like	-1.44316485	1.702165018	12.037335	8.329328	19.204808	5.23761487	4.72518011	5.98917078	1442	1335	3019
2651	NM_001491,NM_145649,NM_14	GCNT2	glucosaminyl (N-acetyl) transfera	-1.102327648	1.701664021	3.347682	3.043051	5.366923	3.97940737	3.84815806	4.7082479	580	703	1214
6564	NM_005073	SLC15A1	solute carrier family 15 member	-3.568466796	1.701568162	3.952792	1.103309	6.323643	3.70573844	2.12902957	4.42641333	473	177	990
160897	NM_180989	GPR180	G protein-coupled receptor 180	1.162275028	1.70151053	2.029277	2.362909	3.246411	4.21331566	4.41939707	4.94779804	689	1070	1442
1945	NM_005227,NM_182689,NM_18	EFNA4	ephrin A4	1.153223199	1.701051016	6.061587	6.951039	9.596011	3.0281061	3.21015128	3.71995801	281	433	588
51093	NM_001142560,NM_015997	RRNAD1	ribosomal RNA adenine dimethyl	-1.059492304	1.700606934	12.408714	11.887151	19.67971	4.71519816	4.63508	5.4585071	992	1251	2075
84803	NM_001256421,NM_001256422	GPAT3	glycerol-3-phosphate acyltransfe	1.14963368	1.700591584	32.093083	37.168403	51.526018	6.42236501	6.62135418	7.18147519	3328	5112	6961
25792	NM_001131015,NM_001131016	CIZ1	CDKN1A interacting zinc finger p	1.351333655	1.700375161	23.531188	31.816701	37.724108	6.10281927	6.53175021	6.86002492	2659	4801	5561
50804	NM_001301210,NM_016132,NR	MYEF2	myelin expression factor 2	1.266256628	1.700012493	7.852907	9.72172	12.964235	5.29863957	5.63150252	6.04905586	1506	2548	3149
168544	NM_001329856,NM_207336	ZNF467	zinc finger protein 467	1.016207009	1.699973681	1.482074	1.431362	2.184925	1.91699278	1.93409799	2.51644942	109	148	228
387522	NM_199203	TMEM189-UBE2V1	TMEM189-UBE2V1 readthrough	-1.268835746	1.699955539	0.678427	0.535719	1.088316	1.55375576	1.33632702	2.10191219	76	80	159
387082	NM_001002255	SUMO4	small ubiquitin-like modifier 4	-1.331384061	1.699564023	0.380251	0.261212	0.593423	0.3273552	0.25173066	0.52094563	10	21	21
65072	NR_040030	CFLAR-AS1	CFLAR antisense RNA 1	3.639086627	1.699564023	0.241458	0.909903	0.390724	0.3273552	0.95166931	0.52094563	10	49	21
406984	NR_029639	MIR200B	microRNA 200b	1.34350598	1.699564023	2.549327	3.573031	4.216389	0.3273552	0.42561204	0.52094563	10	18	21
651430	NR_046264	FLJ38576	uncharacterized LOC651430	1.195404003	1.699564023	0.104915	0.124265	0.166435	0.3273552	0.38406669	0.52094563	10	16	21
221184	NM_152727	CPNE2	copine 2	-1.187862681	1.699057994	6.36159	5.366419	10.169354	3.89547266	3.66515371	4.61987668	545	613	1139
64598	NM_001040097,NM_001040098	MOSPD3	motile sperm domain containing	-1.594946753	1.69691821	5.303367	3.327164	8.364592	2.83047153	2.27254712	3.50784068	240	201	501
100316904	NM_001168682,NM_001348677	SAP25	Sin3A associated protein 25	-3.021452398	1.69676589	4.554475	1.440369	7.297583	2.64317467	1.45142181	3.30815729	206	91	430
9318	NM_001143887,NM_004236	COPS2	COP9 signalosome subunit 2	1.892786831	1.696512521	11.845737	22.468939	18.906504	5.59470734	6.50110747	6.34500571	1858	4699	3877
128486	NM_001080472	FITM2	fat storage inducing transmembra	1.21727711	1.696443381	2.315982	2.824502	3.694582	3.53238053	3.79367035	4.24292715	415	675	866
64771	NM_022758,NM_024294	C6orf106	chromosome 6 open reading fran	-1.132309011	1.695999395	9.675483	8.590406	15.560402	5.4177562	5.2429348	6.16601485	1639	1934	3419
80830	NM_030641	APOL6	apolipoprotein L6	1.007047102	1.695882648	23.535872	23.729155	37.508484	7.86633587	7.87642389	8.62584029	9122	12274	19027
8518	NM_001318360,NM_001330749	IKBKAP	inhibitor of kappa light polypeptid	1.031214671	1.695843953	10.8235	11.220697	17.334667	6.02482449	6.06850015	6.77773352	2517	3468	5250
25861	NM_001083885,NM_001173425	WHRN	whirlin	3.508710725	1.695732106	0.89413	3.511367	1.632255	2.18284609	3.74731998	2.80852903	139	652	290
83660	NM_015059	TLN2	talin 2	3.426356399	1.695548106	0.076268	0.261533	0.121471	0.89996265	1.99055518	1.30472178	34	156	71
23321	NM_001130067,NM_001302692	TRIM2	tripartite motif containing 2	-1.57785688	1.695528664	2.406855	1.802847	4.174571	3.93444966	3.3298614	4.65706199	561	475	1170
84899	NM_001079669,NM_001286453	TMTC4	transmembrane and tetratricopep	-1.261704349	1.69525084	1.167464	0.920013	1.904868	2.52684435	2.255369	3.18215673	187	198	390
2069	NM_001432	EREG	epiregulin	1.431721466	1.694912202	70.658478	101.274033	112.542137	8.31917014	8.83556199	9.0785328	12500	23912	26058
10134	NM_001139441,NM_001139457	BCAP31	B-cell receptor-associated protei	1.326284734	1.694721414	107.328024	138.864749	170.432145	7.44463008	7.84996567	8.20228901	6800	12050	14174
10347	NM_019112	ABCA7	ATP binding cassette subfamily A	-1.060057256	1.694549988	13.803809	13.037103	21.983906	6.53364194	6.45043212	7.28816562	3598	4535	7499
4734	NM_001284338,NM_001284339	NEDD4	neural precursor cell expressed,	1.238717649	1.694279586	4.852939	5.178198	7.766281	4.85381277	5.15303948	5.59395302	1096	1814	2284
6495	NM_005982	SIX1	SIX homeobox 1	1.273360953	1.693803542	1.854223	2.365525	2.95515	2.55212659	2.84711955	3.20825259	191	325	398
729970	NR_033998	LOC729970	hCG2028352-like	-1.024244919	1.693421879	0.628033	0.599992	0.990131	0.66524311	0.65251278	0.99569924	23	30	48
26060	NM_012096	APPL1	adaptor protein, phosphotyrosine	1.199161505	1.693289908	2.658679	3.190331	4.231692	4.06092955	4.30856691	4.78502952	616	987	1283

3981	NM_001098268,NM_001330595	LIG4	DNA ligase 4	-1.363676613	1.693266961	3.801068	2.77574	6.06867	4.00709644	3.59177559	4.72980159	592	580	1233
401145	NM_001145065,NM_207491	CCSER1	coiled-coil serine rich protein 1	-1.555875738	1.693208413	0.514483	0.324439	0.825206	2.02024721	1.5673195	2.62698266	120	103	250
1902	NM_001351397,NM_001351398	LPAR1	lysophosphatidic acid receptor 1	1.003142365	1.693156537	15.149368	15.197334	24.672185	5.8606208	5.8650696	6.61016492	2242	3005	4669
85376	NM_015672	RIMBP3	RIMS binding protein 3	3.378831987	1.692953018	0.049013	0.168011	0.079297	0.35634914	0.96581954	0.56199967	11	50	23
57568	NM_020808	SIPA1L2	signal induced proliferation assoc	2.839760452	1.692953018	0.04353	0.123668	0.068437	0.35634914	0.84852988	0.56199967	11	42	23
4166	NM_021615	CHST6	carbohydrate sulfotransferase 6	-1.526342415	1.692568606	6.826005	4.477014	10.860264	5.54756029	4.95358253	6.29413399	1797	1573	3741
55647	NM_017817	RAB20	RAB20, member RAS oncogene	-1.093764533	1.692483946	8.602033	7.876504	13.695722	3.78251604	3.6629841	4.49823858	501	612	1043
128218	NM_001320244,NM_144626	TMEM125	transmembrane protein 125	-1.22090309	1.692480013	11.054932	9.060362	17.58462	4.40935908	4.13629029	5.14052934	795	870	1655
1847	NM_004419	DUSP5	dual specificity phosphatase 5	1.340071084	1.692287227	25.532162	34.257919	40.612827	5.99690152	6.41348249	6.74663137	2468	4419	5137
11160	NM_001003790,NM_001003791	ERLIN2	ER lipid raft associated 2	1.201567316	1.692049348	7.288638	8.61482	11.484706	5.1114871	5.36940611	5.85313811	1318	2116	2743
105447645	NR_131188	LOC105447645	uncharacterized LOC105447645	1.122288154	1.691701956	0.671163	0.750554	1.058904	0.93882015	1.02107213	1.35230545	36	54	75
2068	NM_000400,NM_00113086	ERCC2	ERCC excision repair 2, TFIIH co	-1.143610788	1.691298717	14.690514	12.603428	22.992343	5.20411411	5.01611219	5.94620592	1408	1645	2929
100101440	NR_130940,NR_130940_dup1	PMS2P7	PMS1 homolog 2, mismatch repa	-1.66428338	1.690868522	6.313684	3.79687	10.063741	2.3579234	1.79836126	2.99621456	162	130	337
23473	NM_014296	CAPN7	calpain 7	1.244853708	1.690732479	3.003783	3.743839	4.773993	3.78518394	4.08048581	4.49955999	502	835	1044
51138	NM_001258006,NM_001330727	COPS4	COP9 signalosome subunit 4	1.405012636	1.690599514	12.800563	17.95164	20.299184	4.51116872	4.9834484	5.24270032	856	1607	1780
7716	NM_001330393,NM_007146	VEZF1	vascular endothelial zinc finger 1	-1.011286885	1.690586988	11.85218	11.597809	18.870258	5.77932107	5.76342439	6.52610593	2117	2797	4402
1744	NM_130749	DLSTP1	dihydrolipoamide S-succinyltrans	1.134491058	1.690421979	0.533353	0.608644	0.854954	1.36692851	1.48128072	1.87636985	62	94	129
7009	NM_001098576,NM_003217	TMBIM6	transmembrane BAX inhibitor mo	-1.082937199	1.690234108	283.148546	261.281809	448.619439	9.63718614	9.5223864	10.3936713	31224	38524	64911
51107	NM_001077628,NM_001243771	APH1A	aph-1 homolog A, gamma-secret	1.068162656	1.690044525	10.618289	11.313209	16.727949	4.48186648	4.57288311	5.21239866	838	1196	1742
79666	NM_024613	PLEKHF2	pleckstrin homology and FYVE d	-1.184225165	1.689192206	6.810764	5.752161	10.808073	4.36902637	4.13785342	5.09667211	772	871	1604
9631	NM_001278312,NM_004298,NM	NUP155	nucleoporin 155	1.165314237	1.688119802	5.625753	6.537629	8.905266	4.70114026	4.91399145	5.4338367	982	1529	2039
255187	NR_122044	LOC255187	uncharacterized LOC255187	1.121567544	1.687433649	0.379939	0.421571	0.623164	0.38477185	0.42561204	0.60191771	12	18	25
56142	NM_018909,NM_031848,NM_03	PCDHA6	protocadherin alpha 6	2.543387241	1.687433649	0.11667	0.203266	0.190921	0.38477185	0.83317479	0.60191771	12	41	25
9653	NM_001134492,NM_012262	HS2ST1	heparan sulfate 2-O-sulfotransfe	1.56733238	1.68718494	5.704981	8.638583	8.974776	4.99186377	5.62371455	5.7279496	1210	2534	2511
7386	NM_006003	UQCRFS1	ubiquinol-cytochrome c reductase	1.184553396	1.686666213	52.174625	61.886681	82.719505	5.98186283	6.22265489	6.72674065	2442	3865	5066
2979	NM_002098	GUCA1B	guanylate cyclase activator 1B	-1.107586497	1.686599529	1.83955	1.665982	2.915581	2.34351507	2.22627631	2.9773697	160	193	332
4179	NM_002389,NM_153826,NM_17	CD46	CD46 molecule	1.143644531	1.685796011	85.417242	97.948904	136.757192	8.09251942	8.28549591	8.84380377	10677	16315	22138
10479	NM_001042537,NM_001177651	SLC9A6	solute carrier family 9 member A	1.645520958	1.685696842	4.484213	7.201762	7.073802	4.40068652	5.09225907	5.12605789	790	1737	1638
79673	NM_024620	ZNF329	zinc finger protein 329	-1.277548116	1.68556682	5.013199	3.933368	7.952065	4.14433812	3.81136732	4.86409893	655	685	1358
6890	NM_000593,NM_001292022	TAP1	transporter 1, ATP binding casse	-1.795986801	1.68542677	16.751334	9.574521	26.709182	5.61983752	4.79717993	6.35999664	1890	1406	3918
100996724	NR_144516,NR_144517	LOC100996724	phosphodiesterase 4D interacting	-1.115508228	1.685277791	3.62432	3.235347	5.773821	5.03621379	4.88356843	5.77126223	1249	1496	2589
152	NM_000683	ADRA2C	adrenoceptor alpha 2C	-1.211015311	1.684756011	0.903272	0.748747	1.436772	1.44997615	1.28081328	1.97085819	68	75	141
10867	NM_001168320,NM_006675	TSPAN9	tetraspanin 9	1.071646068	1.684427497	2.332989	2.505027	3.7204	3.44734922	3.53833258	4.14500092	389	557	806
29968	NM_021154,NM_058179	PSAT1	phosphoserine aminotransferase	-1.035565527	1.683660745	63.26214	61.188429	100.797479	7.1239808	7.07392876	7.87138837	5437	7015	11259
388341	NM_001113567,NM_207387	LRRC75A	leucine rich repeat containing 75	1.771010926	1.683489776	0.250308	0.439999	0.395083	0.7550755	1.15059938	1.11084509	27	64	56
9095	NM_005149	TBX19	T-box 19	-1.384649792	1.682985321	1.042563	0.75438	1.657355	1.9554003	1.62195412	2.54744438	113	109	234
2969	NM_001163636,NM_001280800	GTF2I	general transcription factor IIi	-1.265062928	1.681630833	24.419299	19.72447	38.076371	6.72468665	6.38907884	7.46902373	4113	4344	8507
9846	NM_012296,NM_080491	GAB2	GRB2 associated binding protein	-2.52585881	1.68150251	0.306973	0.121301	0.486511	1.50279892	0.7861039	2.03057861	72	38	149
7538	NM_003407	ZFP36	ZFP36 ring finger protein	-1.485742243	1.681158586	58.412239	39.350014	92.276627	6.65310266	6.08884618	7.39675535	3912	3518	8089
55281	NM_018295	TMEM140	transmembrane protein 140	-1.376067762	1.681150747	1.292718	0.942045	2.048664	1.84721644	1.52971203	2.42483178	102	99	211
492311	NM_001007189	IGIP	IgA inducing protein	-1.013332588	1.681096493	3.484399	3.441307	5.512763	3.42699388	3.40966853	4.12116227	383	505	792
84443	NM_032428	FRMPD3	FERM and PDZ domain containir	2.02711012	1.680522179	0.5263	1.074852	0.834333	2.25390578	3.11177339	2.87519973	148	401	306
57447	NM_001282211,NM_001282212	NDRG2	NDRG family member 2	1.191748471	1.680440166	2.174844	3.354428	4.40473	2.82010209	3.04002433	3.48400652	238	379	492
6093	NM_005406	ROCK1	Rho associated coiled-coil contai	1.062635813	1.679945975	12.709714	13.520273	20.066355	6.379754	6.46638246	7.12115963	3230	4586	6674
4643	NM_004998	MYO1E	myosin IE	-1.690892302	1.67975037	35.133839	20.801399	55.460739	7.45785867	6.7057169	8.20221612	6863	5423	14179
6565	NM_001145998,NM_021082	SLC15A2	solute carrier family 15 member 2	2.215011661	1.678547226	0.136813	0.303373	0.217002	0.70797761	1.4002122	1.16514558	29	86	60
6459	NR_033420	SH3GL1P2	SH3 domain containing GRB2 lik	-1.756336525	1.679547226	0.302644	0.169758	0.4773	0.70797761	0.50527715	1.16514558	29	22	60
9706	NM_001142610,NM_014683	ULK2	unc-51 like autophagy activating	-2.570824236	1.679458391	1.243426	0.464967	2.283683	3.51641288	2.33928445	4.21263029	410	213	847
5300	NM_006221,NR_038422,NR_03	PIN1	peptidylprolyl cis/trans isomerase	1.491888829	1.679351652	17.928814	26.797031	28.319352	4.35113248	4.90483992	5.07023688	762	1519	1574
57551	NM_020791,NM_025142	TAOK1	TAO kinase 1	1.312938698	1.67935131	9.313333	12.032582	14.493723	6.76409988	7.15374093	7.50663987	4228	7417	8733
10966	NM_006822	RAB40B	RAB40B, member RAS oncogen	1.018076754	1.67934663	2.015343	2.053846	3.183559	2.15835987	2.17847216	2.7696269	136	185	281
286437	NR_039980	LOC286437	uncharacterized LOC286437	1.154339955	1.678745037	1.721751	1.989064	2.721644	2.29192162	2.45916281	2.91535666	153	236	316
100302650	NR_028308	BRE-AS1	BRE antisense RNA 1	2.501126862	1.678741563	0.210173	0.553483	0.347017	0.43999062	0.92294555	0.6785857	14	47	29
2632	NM_000158	GBE1	1,4-alpha-glucan branching enzy	2.055387298	1.678278838	7.088224	14.590792	11.182478	4.48515183	5.49119219	5.20593745	840	2307	1734
79730	NM_001330648,NM_024677	NSUN7	NOP2/Sun RNA methyltransfera	-1.245873665	1.677987201	3.204662	2.563984	5.043362	4.01166006	3.71626888	4.72189817	594	637	1226
6443	NM_000232	SGCB	sarcoglycan, beta (43kDa dystro	1.308953787	1.677848615	4.503384	5.901181	7.103879	4.30540198	4.67653783	5.02231705	737	1289	1521
10025	NM_005481	MED16	mediator complex subunit 16	1.397800865	1.677113923	8.109115	11.354974	12.786678	4.59109862	5.0571683	5.31277821	907	1694	1871
10826	NM_032385	FAXDC2	fatty acid hydroxylase domain co	-3.845500254	1.676405998	5.564086	1.444129	8.770052	4.12340669	2.3978615	4.83508422	645	224	1330
23555	NM_001351263,NM_012339,NR	TSPAN15	tetraspanin 15	-1.802186053	1.676085946	42.711325	23.756927	67.260059	6.16610643	5.33234202	6.90309903	2780	2061	5731
29982	NM_001282405,NM_030759	NRBF2	nuclear receptor binding factor 2	-1.157322978	1.675861819	6.940877	6.0341	10.969369	3.79315817	3.5986027	4.49559213	505	583	1041
51528	NM_001098625,NM_001284201	JKAMP	JNK1/MAPK8-associated membr	1.335504771	1.675852318	27.598092	38.607256	45.37661	6.12194034	6.5341626	8.85848091	2895	4909	5555
23291	NM_012300,NM_033644,NM_03	FBXW11	F-box and WD repeat domain co	1.200295519	1.675740406	8.581362	10.356574	13.599932	5.52867998	5.53988865	6.0124986	1489	2388	3069
8273	NM_001142391,NM_001142392	SLC10A3	solute carrier family 10 member 3	1.667274592	1.675713857	8.112203	13.297145	12.574331	4.14225859	4.84676676	4.85380339	654	1457	1348
9375	NM_004800	TM9SF2	transmembrane 9 superfamily me	1.173585963	1.675535243	35.972519	42.264919	56.644352	6.95567706	7.18488512	7.6956189	4834	7580	9962
9425	NM_001143970,NM_001143971	CDYL	chromodomain Y like	1.413487933	1.675460163	4.346055	6.149853	6.835455	3.96771155	4.43981671	4.67471651	575	1086	1185
105378853	NR_135038,NR_135039,NR_14	LOC105378853	uncharacterized LOC105378853	1.993609964	1.675340134	0.817744	1.507655	1.269318	1.15225689	1.78245981	1.60891398	48	128	99
100268168	NR_026682,NR_026683	LOC100268168	uncharacterized LOC100268168	-1.105496358	1.675340134	0.935332	0.839012	1.351134	1.15225689	1.07428646	1.60891398	48	58	99
284339	NM_173633	TMEM145	transmembrane protein 145	-1.124842501	1.675340134	0.694551	0.621641	1.110153	1.15225689	1.06116576	1.60891398	48	57	99
8985	NM_001084	PLOD3	procollagen-lysine,2-oxoglutarate	-1.011489472	1.674989066	27.89921	27.613934	43.913464	6.35527652	6.33899711	7.09232986	3175	4194	6541
151188	NM_001350068,NM_152522,NR	ARL6IP6	ADP ribosylation factor like GTP	1.171132022	1.674158316	15.138468	16.875684	19.852231	5.12944497	5.35132998	5.85623592	1335	2089	2749
26504	NM_020184	CNNM4	cyclin and CBS domain divalent r	1.348360937	1.674005906	8.126967	10.975491	12.789294	5.28550924	5.70715386	6.01388634	1492	2688	3072
5357	NM_001145319,NM_001172312	PLS1	plastin 1	-1.196367366	1.673285583	20.786803	17.391157	32.640214	6.24816313	5.99321473	6.98321152	2945	3289	6061
51062	NM_001127713,NM_015915,NM	ATL1	atlastin GTPase 1	3.597669329	1.673090927	0.298679	1.142974	0.508856	0.88013425	2.01116974	1.26797492	33	159	68
55370	NR_003505	PPP4R1L	protein phosphatase 4 regulatory	-1.043622346	1.672469721	3.423137	3.282972	5.382146	3.16959281	3.11495144	3.84581243	314	402	646
2782	NM_001282538,NM_001282539	GNB1	G protein subunit beta 1	1.140801553	1.672436938	59.809568	68.41869	94.142606	7.54603125	7.73512861	8.2848848	7298	11124	15012
337867	NM_001144072,NM_177967,NR	UBAC2	UBA domain containing 2	1.384498413	1.671828005	17.552198	24.507838	27.576392	5.55929747	6.02016213	6.28841171	1812	3352	3726
729041	NR_045483	FAAH2	fatty acid amide hydrolase pseud	1.056435708	1.671713436	0.689417	0.731533	1.101356	0.89996265	0.93737891	1.29257653	34	48	70
54845	NM_001034915,NM_001122825	ESRP1	epithelial splicing regulatory prot	-1.008812841	1.671574133	56.333427	55.643679	87.65166	7.66975434	7.65715806	8.40812047	7955	10536	16355
79774	NM_001286732,NM_001286733	GRTP1	growth hormone regulated TBC p	-5.646794228	1.671355979	3.346242	0.528342	4.522096	2.46828542	0.84852988	3.10091148	178	42	366
113402	NM_145169,NR_130112,NR_13	SFT2D1	SFT2 domain containing 1	1.319197614	1.671222067	14.565135	19.257941	22.807736	4.04987877	4.42836625	4.75546927	611	1077	1256
440836	NM_001014440	ODF3B	outer dense fiber of sperm tails 3	-2.687343969	1.671039107	8.729489	3.243356	13.721148	3.2098649	2.02475093	3.88678411	324	161	666
409	NM_001257328,NM_001257329	ARRB2	arrestin beta 2	1.083319939	1.670606374	2.42464	2.651878	3.878728	2.48807034	2.58366954	3.12165574	181	262	372
9585	NM_001284259,NM_016195	KIF20B	kinesin family member 20B	-1.236032695	1.670401949	12.724494	10.337627	19.986514	6.32121441	6.0197383	7.05417101	3100	3351	6369
54867	NM_001083590,NM_017727	TMEM214	transmembrane protein 214	1.240129138	1.670095069	23.681053	29.46422	37.195097	6.15170641	6.45827295	6.88349514	2752	4560	5653
4037	NM_002333	LRP3	LDL receptor related protein 3	1.449715757	1.669978716	0.904548	1.313604	1.417917	2.09095564	2.51796519	2.68852679	128	248	263
8578	NM_003693,NM_145350,NR_02	SCARF1	scavenger receptor class F mem	-1.577980416	1.669949563	0.672649	0.424082	1.066654	1.73025772	1.30327576	2.28470378	91	77	187
653820	NM_001100910,NM_001320149	FAM72B	family with sequence similarity 72	-1.313143094	1.669701867	18.591913	13.682065	28.387852	5.38559376	5.00330679	6.11131559	1602	1630	3290
22933	NM_001193286,NM_012237,NM	SIRT2	sirtuin 2	1.081248097	1.669622892	11.45137	12.416969	18.007229	4.57268608	4.68083331	5.28775695	895	1293	1838
5042	NM_030979	PABPC3	poly(A) binding protein cytoplasm	-1.882326712	1.669513054	0.179204	0.094481	0.28606	0.5190475	0.29720487	0.78645063	17	12	35
643719	NR_027620	SCGB1B2P	secretoglobin family 1B member	1.48232253	1.669086186	0.696574	1.042123	1.094738	1.26358189	1.62195412	1.73991364	55	109	113
6884	NM_005645	TAF13	TATA-box binding protein associ	1.245768518	1.668704683	7.69234	9.584705	12.089785	2.41415945	2.67693481	3.04046258	170	283	349
8644	NM_001253908,NM_001253909	AKR1C3	aldo-keto reductase family 1 mem	3.659523803	1.668551834	1.997536	7.357027	3.160036	1.76310734	3.28823882	2.32103228	94	460	193
55526	NM_018706	DHTKD1	dehydrogenase E1 and transketc	-1.293445672	1.668330879	7.905956	6.118063	12.397738	5.36344926	5.00244904	6.0877878	1577	1629	3236
127933	NM_001184763,NM_144624,NM	UHMK1	U2AF homology motif kinase 1	1.159446473	1.668233801	10.876367	12.626012	17.077451	6.51407431	6.72534408	7.24607717	3549	5498	7282
84878	NM_001316978,NM_001316979	ZBTB45	zinc finger and BTB domain cont	1.00737764	1.667676175	4.979756	5.058761	7.734158	3.63355401	3.64330938	4.32422401	448	603	919
2947	NM_000849,NR_024537	GSTM3	glutathione S-transferase mu 3	1.317462957	1.66738021	3.354716	4.429475	5.262668	3.85794988	4.23160161	4.55526505	530	933	1087
23645	NM_014330	PPP1R15A	protein phosphatase 1 regulatory	-1.040123638	1.667289703	80.160027	77.148369	125.59713	7.54681754	7.49037121	8.28124	7302	9380	14974
9630	NM_004297	GNA14	G protein subunit alpha 14	-1.584035663	1.666926336	0.392433	0.249704	0.62112	0.97665845	0.68708806	1.38699077	38	32	78
23370	NM_001130955,NM_015318	ARHGEF18	Rho/Rac guanine nucleotide excl	-1.023789495	1.666730658	6.94492	6.690755	10.717656	5.23469001	5.20167964	5.95634611	1439	1878	2950

9341	NM_004781	VAMP3	vesicle associated membrane pro	1.000727547	1.666585428	25.234903	25.276016	39.520229	5.78599633	5.78702662	6.5124257	2127	2844	4360
149175	NM_001031740,NM_001113482	MANEAL	mannosidase endo-alpha like	1.85846309	1.666339967	8.076097	15.330785	12.888391	4.528787	5.39381491	5.24033109	867	2153	1777
80115	NM_025045	BAIAP2L2	BAI1 associated protein 2 like 2	-6.255047348	1.665782009	2.969219	0.468742	4.65111	2.85098947	0.99371033	3.5052118	244	52	500
90317	NM_178523,NR_135823	ZNF616	zinc finger protein 616	-1.415807225	1.665142295	1.488056	1.049204	2.30998	2.87121968	2.4491251	3.5261099	248	234	508
4236	NM_005926	MFAP1	microfibrillar associated protein 1	1.305729767	1.664900229	12.455935	16.285749	19.503286	4.70255223	5.0744123	5.41575311	983	1715	2013
79739	NM_001350214,NM_001350215	TTLL7	tubulin tyrosine ligase like 7	2.145139041	1.66486597	0.196679	0.425739	0.308211	1.35261029	2.11639955	1.84344662	61	175	125
647946	NR_024391	MIR924HG	MIR924 host gene	-1.206938717	1.664846641	1.247051	1.040562	1.96438	1.8573935	1.66595383	2.42483178	103	114	211
80071	NM_025004	CCDC15	coiled-coil domain containing 15	-1.186686646	1.664565098	1.970549	1.666117	3.087561	3.08551061	2.86987209	3.75135692	294	331	602
642633	NR_108107	FAM230B	family with sequence similarity 23	2.377197821	1.663932396	0.657882	1.574412	1.033372	1.65056839	2.60642858	2.18966672	84	267	172
6714	NM_005417,NM_198291	SRC	SRC proto-oncogene, non-recept	1.245103648	1.663909631	13.365514	16.790567	20.944077	5.75707097	6.06809029	6.48099527	2084	3467	4265
10295	NM_001122957,NM_001271926	BCKDK	branched chain ketoacid dehydro	1.367633167	1.663867976	8.755935	12.108686	13.747814	4.29233333	4.72413992	4.99727909	730	1334	1494
83394	NM_001165966,NM_031220	PITPNM3	PITPNM family member 3	-1.117945515	1.66359832	1.495993	1.342462	2.342969	3.51641288	3.37031674	4.19968089	410	490	839
10810	NM_001291965,NM_006646	WASF3	WAS protein family member 3	2.082996969	1.66331917	1.525843	3.177181	2.380005	3.03260384	3.99682365	3.6947989	282	785	577
23400	NM_001141973,NM_001141974	ATP13A2	ATPase 13A2	1.260246186	1.662857451	7.356641	9.148119	11.208337	4.86394356	5.18740997	5.57777974	1104	1859	2258
10389	NM_006089,NR_033717	SCML2	sex comb on midleg like 2 (Drosc	-3.280106059	1.66243029	1.117521	0.348893	1.738873	2.46162969	1.24644988	3.08691439	177	72	362
5452	NM_001207025,NM_001207026	POU2F2	POU class 2 homeobox 2	1.808155765	1.662191642	0.159198	0.292981	0.251173	1.06712766	1.57657016	1.4969322	43	104	88
84433	NM_001324281,NM_032415	CARD11	caspase recruitment domain fam	1.091134598	1.661695421	8.427476	9.210705	13.215659	5.23273681	5.35536651	5.95007726	1437	2095	2937
440689	NM_001024599,NM_001161334	HIST2H2BF	histone cluster 2 H2B family mem	2.208344713	1.661373503	2.321374	4.63453	3.608409	1.08456011	1.79836126	1.51794971	44	130	90
8507	NM_001256574,NM_001256575	ENC1	ectodermal-neural cortex 1	-3.659416704	1.661348247	27.309436	7.434449	42.967368	7.22495136	5.37869051	7.95347276	5834	2130	11921
390928	NM_001004318	ACP7	acid phosphatase 7, tartrate resis	-1.204499132	1.66128247	2.018703	1.679278	3.159206	2.77249458	2.54649137	3.41845388	229	254	468
10157	NM_005763	AASS	aminoadipate-semialdehyde synt	-1.374370191	1.661221628	1.432067	1.042907	2.239689	3.20189991	2.80050884	3.8705348	322	313	658
57690	NM_001142640,NM_018996	TNRC6C	trinucleotide repeat containing 6C	1.467492539	1.660978024	0.617606	0.907204	0.963625	2.78321062	3.26839621	3.42958826	231	453	472
1650	NM_005216	DDOST	dolichyl-diphosphooligosaccharid	1.450041311	1.660667112	125.880554	182.730392	196.443054	8.03105016	8.56543599	8.76062341	10230	19820	20895
83543	NM_001185095,NM_001185096	AIF1L	allograft inflammatory factor 1 like	1.10886948	1.660424992	9.711878	10.782186	15.151053	5.06723449	5.21210456	5.78161868	1277	1892	2608
10960	NM_006816	LMAN2	lectin, mannose binding 2	1.110162801	1.66034115	94.57299	105.109161	147.561371	7.40680151	7.55673119	8.13490568	6623	9824	13525
27044	NM_014390	SND1	staphylococcal nuclease and tudo	-1.18277684	1.660285737	28.982712	24.532026	45.221043	6.707912	6.46824743	7.43386048	4065	4592	8301
730338	NR_134575	LOC730338	uncharacterized LOC730338	1.426753538	1.659696884	0.29308	0.421471	0.461572	0.64188297	0.84852988	0.95003448	22	42	45
64129	NM_001204414,NM_001204415	TINAGL1	tubulointerstitial nephritis antigen	1.311757238	1.659545609	145.723923	191.330587	227.192875	8.31282824	8.70325326	9.04181744	12445	21812	25402
23112	NM_001024843,NM_001162501	TNRC6B	trinucleotide repeat containing 6B	1.313147135	1.659407902	1.919776	2.519693	2.992972	5.10935964	5.49241457	5.82337232	1316	2309	2686
23635	NM_001256732,NM_001256733	SSBP2	single stranded DNA binding prot	2.782665036	1.659127475	0.134475	0.377531	0.208884	1.13562816	2.11639955	1.57922529	47	175	96
84336	NM_001304813,NM_001304814	TMEM101	transmembrane protein 101	1.022571496	1.659091812	27.068126	27.699186	42.258251	5.42632706	5.45779006	6.14336932	1649	2253	3365
56957	NM_020205	OTUD7B	OTU deubiquitinase 7B	1.172328706	1.658262913	2.667307	3.133237	4.160958	4.14433812	4.36170552	4.84135097	655	1026	1336
23065	NM_001271427,NM_001271428	EMC1	ER membrane protein complex s	1.512404165	1.658202503	13.398633	20.307653	20.877982	6.46000163	7.05129764	7.18312086	3417	6905	6969
27336	NM_001163280,NM_014500	HTATSF1	HIV-1 Tat specific factor 1	1.13554486	1.658043556	35.04845	38.888738	53.831721	6.57893411	6.76052126	7.30243141	3714	5635	7574
11094	NM_001135775,NM_001242369	CACFD1	calcium channel flower domain co	1.418622147	1.657999942	4.080633	5.923993	6.352838	3.58232086	4.05092325	4.26329596	431	817	879
100652730	NR_046224,NR_046225	LINC00659	long intergenic non-protein codin	-1.039117497	1.657782566	1.799343	1.798976	2.864149	1.16869613	1.1381576	1.61867597	49	63	100
253260	NM_001285439,NM_001285440	RICTOR	RPTOR independent companion	-1.067336018	1.657642466	3.374112	3.156018	5.261479	5.02044968	4.92941706	5.73189018	1235	1546	2518
83752	NM_001300948,NM_001348078	LONP2	lon peptidase 2, peroxisomal	1.271282804	1.657586043	12.377933	15.648726	18.934185	5.8943731	6.23548722	6.61383023	2296	3900	4681
92815	NM_033445	HIST3H2A	histone cluster 3 H2A	1.390267756	1.657525749	28.527466	39.714642	44.418591	3.88556162	4.33333585	4.5754555	541	1005	1103
3959	NM_005567	LGALS3BP	galectin 3 binding protein	1.056096456	1.657444144	537.48645	568.260925	837.147888	10.20905667	10.28773371	10.93753476	46432	65519	94654
3831	NM_001130107,NM_005552,NM	KLC1	kinesin light chain 1	1.196435448	1.657226188	29.533052	35.34249	45.832641	6.19899112	6.45451467	6.91997492	2845	4548	5799
64710	NM_022731	NUCKS1	nuclear casein kinase and cyclin	1.183679429	1.657191576	50.476353	59.812107	78.605637	8.31594502	8.55852267	9.04289409	12472	19725	25421
23167	NM_001323553,NM_001323554	EFR3A	EFR3 homolog A	1.197375708	1.656063985	12.632246	15.171506	19.790967	6.11612463	6.37257735	6.83564348	2684	4294	5467
100507436	NM_000247,NM_001177519,NM	MICA	MHC class I polypeptide-related s	-1.077155128	1.655840693	9.87414	9.780992	16.682145	4.02300634	3.92259242	4.71508918	599	743	1220
9024	NM_001256627,NM_001256629	BRSK2	BR serine/threonine kinase 2	1.196653324	1.655683472	0.142907	0.175689	0.223102	0.71085839	0.81765451	1.03996283	25	40	51
26270	NM_018438	FBXO6	F-box protein 6	-1.641147572	1.655570455	5.074099	3.096938	7.907969	3.1155	2.50348775	3.77555686	301	245	613
11100	NM_001301016,NM_001321208	HNRNPUL1	heterogeneous nuclear ribonucle	-1.021965507	1.65543109	54.4909	53.783705	85.732616	7.67946675	7.64827441	8.40389261	8009	10471	16307
100506023	NR_037845	LOC100506023	uncharacterized LOC100506023	-1.649822211	1.654550601	0.11801	0.073085	0.185612	0.73313634	0.48576948	1.06873498	26	21	53
8751	NM_001261464,NM_001261465	ADAM15	ADAM metallopeptidase domain	-1.079026007	1.654347078	35.936465	33.261765	55.480673	6.66365255	6.55504398	7.38429106	3941	4880	8019
79879	NM_001304797,NM_024821	CCDC134	coiled-coil domain containing 134	1.418929337	1.653296187	1.695925	2.488578	2.756357	1.6852613	2.05153568	2.22204636	87	165	177
118738	NM_001346932,NM_001346933	ZNF488	zinc finger protein 488	-1.540124407	1.652851583	2.539852	1.666486	4.038398	3.35339967	2.8044511	4.02166185	362	314	736
51246	NM_001272065,NM_001272066	SHISA5	shisa family member 5	1.040545931	1.652827989	44.839521	45.323127	68.963992	6.52927225	6.5860058	7.24804396	3587	4987	7292
10466	NM_001161520,NM_006348,NM	COG5	component of oligomeric golgi co	-1.571384046	1.652571757	4.611236	2.941758	7.105618	4.5618359	3.94419393	5.26229407	888	755	1805
102465454	NR_106816	MIR6758	microRNA 6758	1.175440748	1.652526648	11.446328	13.625328	17.820749	0.77668602	0.8787583	1.12461302	28	44	57
3795	NM_000221,NM_006488	KHK	ketohexokinase	1.594863996	1.6521023	0.975023	1.574101	1.516483	1.73025772	2.23214197	2.27238811	91	194	185
8611	NM_003711,NM_176895,NR_10	PLPP1	phospholipid phosphatase 1	1.134135471	1.651963842	13.246824	15.053599	20.525803	4.49496323	4.66898984	5.19374412	846	1282	1719
5799	NM_001308267,NM_001308268	PTPRN2	protein tyrosine phosphatase, rec	-2.152500781	1.651798233	0.986735	0.459402	1.593158	2.52684435	1.68318474	3.14885876	187	116	380
949	NM_001082959,NM_005505	SCARB1	scavenger receptor class B mem	1.600577932	1.65125866	24.36989	38.840565	37.563774	6.02538876	6.69566961	6.74021788	2518	5385	5114
71	NM_001199954,NM_001614,NR	ACTG1	actin gamma 1	1.396215776	1.650587392	1356.303341	1896.427647	2104.753424	11.35597675	11.83734289	12.07873993	102867	191900	208832
28962	NM_014028	OSTM1	osteopetrosis associated transme	1.180094015	1.650012013	2.170031	2.564016	3.367883	3.38540081	3.60313623	4.05259921	371	585	753
9040	NM_003969	UBE2M	ubiquitin conjugating enzyme E2	1.198225837	1.649533488	45.201813	54.235386	70.084625	6.08939006	6.34679007	6.80310481	2634	4217	5344
4763	NM_000267,NM_001042492,NM	NF1	neurofibromin 1	1.095030064	1.649451251	10.440883	11.414196	16.774077	6.95656491	7.08652976	7.67398341	4837	7077	9813
55234	NM_018225	SMU1	DNA replication regulator and spl	1.485895256	1.649248848	5.298401	7.886152	8.215929	5.23273681	5.79150248	5.93940598	1437	2853	2915
643414	NM_001080518	LIPK	lipase family member K	-1.1869219	1.649235075	0.676883	0.576839	1.081444	0.86002952	0.75384785	1.23026757	32	36	65
2664	NM_001493	GDI1	GDP dissociation inhibitor 1	1.030388716	1.649143063	57.261051	59.065964	88.747322	7.12239926	7.16528339	7.84004604	5431	7477	11016
3315	NM_001540	HSPB1	heat shock protein family B (smal	-1.238163459	1.649010933	300.068909	242.610062	464.990509	8.03931515	7.73241531	8.75876229	10289	11103	20868
84267	NM_001317997,NM_032307	C9orf64	chromosome 9 open reading fran	1.451759409	1.64888943	5.634239	8.26146	8.780844	3.86300966	4.36970972	4.54506286	532	1032	1079
133957	NM_145265	CCDC127	coiled-coil domain containing 127	1.234790989	1.648858282	9.146779	11.313231	14.178264	3.77179482	4.0558926	4.45120991	497	820	1008
163071	NM_001331097,NM_001331098	ZNF114	zinc finger protein 114	1.171197098	1.648614633	0.719784	0.847175	1.105373	1.46336426	1.61299082	1.96321628	69	108	140
149478	NM_001136537	BTBD19	BTB domain containing 19	-1.166691245	1.648614633	1.143865	0.98028	1.776866	1.46336426	1.32539385	1.96321628	69	79	140
10959	NM_001321445,NM_006815	TMED2	transmembrane p24 trafficking pr	1.075656388	1.648241762	100.72003	108.46938	155.994851	7.71085112	7.81558532	8.42907592	8186	11765	16595
284114	NM_001320444,NM_178518	TMEM102	transmembrane protein 102	1.089700712	1.648039181	2.255824	2.466909	3.502923	2.49460548	2.597368	3.11132089	182	265	369
29099	NM_001101653,NM_001307932	COMMD9	COMM domain containing 9	2.671746446	1.648005291	3.620231	9.525163	5.532194	3.50026652	4.83621478	4.17011265	405	1446	821
1997	NM_001145353,NM_172373	ELF1	E74 like ETS transcription factor	1.316361493	1.647823457	8.094632	10.688554	12.575854	4.929321	5.31448374	5.63120109	1157	2035	2345
10133	NM_001008211,NM_001008212	OPTN	optineurin	-1.032730409	1.647816384	15.371777	14.985845	23.867138	5.73791921	5.69233762	6.44783842	2056	2660	4167
6623	NM_001330120,NM_003087	SNCG	synuclein gamma	1.675444385	1.647571857	23.490929	39.216632	36.68623	4.33665583	5.05220335	5.02873806	754	1688	1528
126068	NM_152355	ZNF441	zinc finger protein 441	1.275464456	1.646996459	1.35224	1.724689	2.090891	2.77786255	3.08285145	3.4128543	230	392	466
89797	NM_001111018,NM_001111019	NAV2	neuron navigator 2	-1.26545278	1.646791692	3.029045	2.321219	4.617325	5.04180235	4.71369658	5.74420525	1254	1324	2540
26277	NM_001099274,NM_012461	TINF2	TERF1 interacting nuclear factor	1.225937302	1.646412899	9.567266	11.702915	14.505576	4.34210161	4.62285328	5.03330706	757	1240	1533
5525	NM_001199756,NM_006243	PPP2R5A	protein phosphatase 2 regulatory	-1.120131358	1.646315349	11.401298	10.191989	17.640222	5.15957233	5.00073201	5.86292511	1364	1627	2762
3964	NM_006499,NM_201543,NM_20	LGALS8	galectin 8	-1.089429679	1.645899594	19.508938	17.929419	30.179935	6.89614501	6.77365178	7.61027387	4637	5687	9387
1265	NM_001303499,NM_001303501	CNN2	calponin 2	-1.013924479	1.645869157	74.983816	74.083118	116.09683	7.5089873	7.48914709	8.22473441	7112	9372	14397
79177	NM_001145347,NM_024327	ZNF576	zinc finger protein 576	1.334775742	1.645298487	2.920712	3.881848	4.489563	2.65489157	3.01302298	3.28075123	208	371	421
5316	NM_001286258,NM_001320694	PKNOX1	PBX/knotted 1 homeobox 1	1.234406685	1.645163809	3.246526	4.048916	5.086801	4.10430518	4.39215006	4.78935776	636	1049	1287
4779	NM_001330261,NM_001330262	NFE2L1	nuclear factor, erythroid 2 like 1	1.146248925	1.645128647	59.481459	68.38669	92.040726	8.13810323	8.33437185	8.85429977	11021	16879	22300
7855	NM_003468	FZD5	frizzled class receptor 5	1.602499744	1.645068139	1.519133	2.442648	2.351931	3.42357323	4.05258161	4.08816658	382	818	773
161	NM_001242837,NM_012305,NR	AP2A2	adaptor related protein complex 2	1.094012136	1.645064007	6.296827	6.960838	9.840793	4.87275002	4.99815263	5.57151066	1111	1624	2248
10723	NM_006598	SLC12A7	solute carrier family 12 member 7	1.068651677	1.645002849	10.799931	11.554404	16.698263	5.82735481	5.9215178	6.53547665	2190	3127	4431
6793	NM_005990	STK10	serine/threonine kinase 10	1.319542919	1.644800891	6.218522	8.214239	9.611329	5.22686128	5.61756579	5.92963585	1431	2523	2895
84947	NM_032861,NR_073096	SERAC1	serine active site containing 1	-1.146053381	1.643671094	1.186647	1.041231	1.912523	2.48807034	2.32837375	3.10091148	181	211	366
7272	NM_001166691,NM_003318	TTK	TTK protein kinase	1.123632372	1.643574277	19.764615	22.244845	30.540622	5.88196413	6.04744731	6.58921703	2276	3417	4601
54849	NM_001242816,NM_001242817	DEF8	differentially expressed in FDCP	-1.032426438	1.643431533	21.616884	19.828082	31.737779	5.37589203	5.33097613	6.07897551	1591	2059	3216
23424	NM_001302884,NM_014290	TDRD7	tudor domain containing 7	-1.073432744	1.643238933	7.556749	7.045105	11.667409	4.84232994	4.74377637	5.53910756	1087	1353	2197
55236	NM_018227	UBA6	ubiquitin like modifier activating e	1.038415589	1.642805429	22.89061	23.799999	35.343559	7.17700078	7.23101687	7.88926729	5642	7828	11400
2745	NM_001118890,NM_001243658	GLRX	glutaredoxin	-1.127784744	1.642653134	12.248356	10.718436	18.328619	3.8730763	3.71207778	4.55017297	536	635	1083
374868	NM_001306085,NM_198531	ATP9B	ATPase phospholipid transporting	-1.174898855	1.642466448	6.972112	5.939869	10.770852	4.96623093	4.74172192	5.66398036	1188	1351	2400
92359	NM_139161,NM_174881,NM_17	CRB3	crumbs 3, cell polarity complex co	1.105783596	1.642182835	11.93387	13.115949	17.306895	3.4839374	3.61665196	4.14837451	400	591	808
122830	NM_001011713	NAA30	N(alpha)-acetyltransferase 30, Na	1.250961579	1.642033192	4.443438	5.56951	6.863031	4.34933082	4.65813802	5.03695187	761	1272	1537
9194	NM_001270622,NM_001270623	SLC16A7	solute carrier family 16 member 7	-1.563482294	1.641201622	0.932861	0.597453	1.438205	3.5668994	2.98897501	4.23342827	426	364	860

83742	NM_031484	MARVELD1	MARVEL domain containing 1	-1.460660148	1.640980383	17.624655	12.079622	27.178427	5.82151855	5.2865704	6.52610593	2181	1995	4402
255374	NM_203397	MBLAC1	metallo-beta-lactamase domain c	-1.51264311	1.640635702	0.887264	0.585586	1.360027	1.2010231	0.89363826	1.64757178	51	45	103
7638	NM_001297588,NM_001297589	ZNF221	zinc finger protein 221	-1.052588534	1.640356805	0.593489	0.556762	0.912947	1.21691895	1.1751656	1.66651905	52	66	105
253430	NM_152230	IPMK	inositol polyphosphate multikinas	-1.0711401	1.640213042	1.203873	1.127429	1.860013	3.0370876	2.95035633	3.68088855	283	353	571
22836	NM_014899	RHOBTB3	Rho related BTB domain containi	1.340099012	1.639858908	8.863494	11.890399	13.657146	5.61584323	6.03071759	6.31792276	1886	3377	3804
2132	NM_000401,NM_001178083,NM	EXT2	exostosin glycosyltransferase 2	1.035173907	1.639720147	27.32048	28.336406	41.810564	6.5949886	6.64435595	7.30262068	3756	5195	7575
1627	NM_004395,NM_080881	DBN1	drebrin 1	1.793900288	1.639279799	37.229379	66.800614	57.36901	6.75119512	7.58837191	7.45903998	4190	10043	8448
23420	NM_014287	NOMO1	NODAL modulator 1	1.368138809	1.639057876	24.319189	33.30661	37.456135	6.66618756	7.11458516	7.373521	3948	7217	7959
9358	NM_001271754,NM_001271755	ITGBL1	integrin subunit beta like 1	-1.076822104	1.638313976	47.060993	44.731462	75.979623	7.01937923	6.91345103	7.72726419	5054	6271	10184
54472	NM_001318512,NM_001318514	TOLLIP	toll interacting protein	1.234941252	1.637274591	3.64208	4.47466	5.573101	3.78784692	4.07233457	4.45802288	503	830	1013
161291	NM_001017970	TMEM30B	transmembrane protein 30B	1.071619901	1.637031948	20.989689	22.518391	32.28756	6.52009264	6.61883783	7.2250627	3564	5103	7176
375743	NM_001099666	PTAR1	protein prenyltransferase alpha s	1.544456394	1.636944299	6.42335	9.930838	9.880078	5.99690152	6.61603673	6.699115	2468	5093	4969
136306	NM_001139456,NM_001331192	SVOPL	SVOP like	-2.665440911	1.636697095	1.008594	0.377931	1.560356	1.47662927	0.73744528	1.97085819	70	35	141
283987	NM_030630	HID1	HID1 domain containing	-1.176143746	1.636602738	18.123051	15.425661	27.883032	5.90667624	5.67683012	6.60802251	2316	2631	4662
55653	NM_001010974,NM_017843,NM	BCAS4	breast carcinoma amplified sequ	-2.670683391	1.636496726	6.232714	2.303141	9.721842	3.13654562	1.96964178	3.782087	306	153	616
126969	NM_001114106,NM_001258340	SLC44A3	solute carrier family 44 member 3	1.255880987	1.636042107	3.504893	4.462649	5.52574	3.19389071	3.49019467	3.84165053	320	537	644
9213	NM_001135669,NM_001328662	XPR1	xenotropic and polytropic retrovir	1.363385608	1.635396365	3.862097	5.257948	5.900298	4.99992509	5.43508445	5.69199148	1217	2217	2448
833	NM_001014437,NM_001194997	CARS	cysteinyl-tRNA synthetase	1.267507976	1.635032617	23.439118	29.38053	34.990274	5.8769705	6.21378915	6.57675114	2268	3841	4561
23534	NM_001191028,NM_012470,NR	TNPO3	transportin 3	-1.407533897	1.634939151	17.410008	12.406752	26.780554	6.24380564	5.75835243	6.9456516	2936	2787	5904
56137	NM_018903,NM_031864	PCDHA12	protocadherin alpha 12	-1.705724287	1.634938247	2.220961	1.307616	3.398281	3.64534899	2.95391015	4.30923152	452	354	909
80195	NM_001270367,NM_001270368	TMEM254	transmembrane protein 254	-1.379147045	1.634842614	9.296889	6.734508	14.199555	4.30354226	3.86712977	4.98412333	736	713	1480
8407	NM_001277223,NM_001277224	TAGLN2	transgelin 2	1.419514682	1.634564671	253.716086	360.700026	390.032486	8.45416895	8.95835383	9.16148215	13730	26041	27603
26269	NM_012180	FBXO8	F-box protein 8	-1.053069042	1.633995436	5.164786	4.905194	7.926143	3.79580649	3.72669368	4.46345019	506	642	1017
54826	NM_001317954,NM_017676,NR	GIN1	gypsy retrotransposon integrase	1.310271597	1.633969175	2.392546	2.997217	3.508664	3.1155	3.46550967	3.75799726	301	527	605
10156	NM_001079877,NM_006989	RASA4	RAS p21 protein activator 4	1.488614016	1.633751296	0.448916	0.670903	0.698924	1.79522562	2.22627631	2.3329413	97	193	195
56133	NM_018936	PCDHB2	protocadherin beta 2	1.170807637	1.633366056	3.073533	3.597261	4.7185	3.21778616	3.42255083	3.86439381	326	510	655
994	NM_001287516,NM_001287517	CDC25B	cell division cycle 25B	1.498404819	1.633188602	46.527303	68.803237	73.962006	7.33510429	7.91556484	8.03933739	6300	12613	12655
9525	NM_004869	VPS4B	vacuolar protein sorting 4 homolc	1.032165497	1.633133742	11.559362	11.946354	17.740114	5.28645109	5.33097613	5.979733	1493	2059	2999
23514	NM_001080394,NM_00128291	SPIDR	scaffolding protein involved in DN	-1.037786257	1.632702606	9.475605	9.139928	14.560176	5.00451141	4.95269469	5.69430137	1221	1572	2452
1263	NM_004073	PLK3	polo like kinase 3	1.186619298	1.63188081	7.228825	8.582198	11.084305	4.21529552	4.44991916	4.89155539	690	1094	1385
121512	NM_001304480,NM_001304481	FGD4	FYVE, RhoGEF and PH domain	-1.652952465	1.631535595	5.44139	2.650028	5.748708	4.96152109	4.26631627	5.64978818	1184	957	2376
139324	NM_001177478,NM_001177479	HDX	highly divergent homeobox	1.651236768	1.631221007	0.596424	1.006443	0.929053	2.23060596	2.8278811	2.81278744	145	320	291
6500	NM_006930,NM_170679	SKP1	S-phase kinase associated prote	1.267634598	1.631026745	80.501887	102.772995	124.363548	7.32574317	7.66598735	8.02805005	6259	10601	12556
10468	NM_006350,NM_013409	FST	follistatin	-7.316006922	1.630955117	6.796475	0.890398	10.489642	3.74737673	1.43116693	4.41104735	488	89	979
22925	NM_001007267,NM_001195641	PLA2R1	phospholipase A2 receptor 1	-2.035789512	1.630922051	0.731083	0.356798	1.095955	2.29940604	1.5486383	2.88736461	154	101	309
5494	NM_021003,NM_177951,NM_17	PPM1A	protein phosphatase, Mg2+/Mn2+	1.156927127	1.630796858	8.031903	9.489102	11.835443	5.74273104	5.94937984	6.43787878	2063	3189	4138
58493	NM_001329585,NM_001329586	INIP	INTS3 and NABP interacting prot	1.25620181	1.629991262	5.185402	6.570039	7.999683	4.44859483	4.76416158	5.12776797	818	1373	1640
8460	NM_003596	TPST1	tyrosylprotein sulfotransferase 1	1.526524545	1.629814016	2.548949	3.890497	3.907511	2.60744196	3.13387411	3.21791812	200	408	401
101867536	NR_109833	PRNCR1	prostate cancer associated non-c	1.067584274	1.629741267	0.419431	0.447432	0.642347	2.63136183	2.71093651	3.24338068	204	291	409
3133	NM_005516	HLA-E	major histocompatibility complex,	-1.373224089	1.629684605	42.179798	30.747612	64.593765	6.78557665	6.33286878	7.48512224	4292	4176	8603
57045	NM_020648	TWSG1	twisted gastrulation BMP signalin	1.31055144	1.629275272	19.47117	25.547222	29.816	6.17427094	6.55971624	6.87078697	2796	4896	5603
7392	NM_001321150,NM_003367,NM	USF2	upstream transcription factor 2, c	-1.175799035	1.629035635	33.633854	29.018395	52.332415	5.82929499	5.60009515	6.52351015	2193	2492	4394
22930	NM_001172435,NM_012233	RAB3GAP1	RAB3 GTPase activating protein	1.509108894	1.628799857	14.281921	21.585461	21.871443	6.11718378	6.70387133	6.81297027	2686	5416	5381
55229	NM_018216	PANK4	pantothenate kinase 4	1.177491178	1.628313489	10.452753	12.328391	16.003155	4.8216876	5.04971445	5.50530231	1071	1685	2145
10579	NM_001291876,NM_001291877	TACC2	transforming acidic coiled-coil co	-2.035002329	1.627861668	2.08675	0.6537	2.924505	3.55444243	2.65089709	2.20943382	277	422	845
7871	NM_001304420,NM_001304421	SLMAP	sarcolemma associated protein	-1.102937053	1.626759665	13.067204	12.489382	19.391172	5.93638283	5.79744877	6.62930477	2365	2865	4732
4598	NM_000431,NM_001114185,NM	MVK	mevalonate kinase	-1.160657481	1.625978469	7.165396	6.21741	10.984581	3.95355025	3.7534508	4.61866105	569	655	1138
81532	NM_001172223,NM_053005	MOB2	MOB kinase activator 2	1.148012597	1.625885237	5.187852	6.114125	8.311168	3.2098649	3.38881456	3.84996236	324	497	648
23522	NM_001256468,NM_001256469	KAT6B	lysine acetyltransferase 6B	-1.17430682	1.625316779	3.462289	2.980667	5.30331	4.89020329	4.666826	5.57213879	1125	1280	2249
100132707	NR_024476,NR_024477	PAXIP1-AS2	PAXIP1 antisense RNA 2	-1.195969777	1.625191537	1.364233	1.127392	1.96859	1.56621863	1.40024122	2.06668624	77	86	154
10558	NM_001281303,NM_006415,NM	SPTLC1	serine palmitoyltransferase long	1.243176972	1.624790546	66.110121	82.258782	99.940599	7.46015603	7.77258857	8.15726484	6874	11418	13737
79038	NM_001198953,NM_024071	ZFYVE21	zinc finger FYVE-type containing	-1.045001847	1.624592073	29.684693	28.540282	45.557543	5.4373936	5.37538151	6.12465092	1662	2125	3321
1943	NM_001405	EFNA2	ephrin A2	-1.708739921	1.624394455	0.49386	0.285316	0.759647	1.03161781	0.68708806	1.43197761	41	32	82
389203	NM_001145432	SMIM20	small integral membrane protein	1.313391804	1.624356652	13.029676	17.153191	19.909416	3.79580649	4.16417063	4.45530155	506	888	1011
3096	NM_002114	HIVEP1	human immunodeficiency virus ty	1.100491638	1.623728211	1.096453	1.20664	1.671729	3.38891307	3.51446439	4.03448121	372	547	743
7564	NM_001029976,NM_006958	ZNF16	zinc finger protein 16	1.474049312	1.623669379	3.622751	5.530082	5.720111	3.35699061	3.87089436	4.00128413	363	715	725
10906	NM_001143906,NM_006700	TRAFD1	TRAF-type zinc finger domain co	1.026971948	1.623631573	16.515068	16.991131	24.730437	5.44753406	5.48506467	6.13404048	1674	2297	3343
100506753	NR_126338,NR_126339	AZIN1-AS1	AZIN1 antisense RNA 1	-1.436500499	1.623604917	0.815398	0.590683	1.365944	0.77668602	0.58077243	1.11084509	28	26	56
54843	NM_001162951,NM_001162952	SYTL2	synaptotagmin like 2	-1.956260255	1.623439332	4.032145	2.770399	6.263548	4.1064401	3.21608274	4.77305948	637	435	1272
78998	NR_026785	RHPN1-AS1	RHPN1 antisense RNA 1 (head t	1.380160411	1.623413674	0.333525	0.466051	0.513783	0.73313634	0.93737891	1.05442063	26	48	52
54808	NM_017653	DYM	dymeclin	1.179715261	1.623351229	3.186135	3.771954	4.873414	3.19790087	3.41225421	3.83538509	321	506	641
55655	NM_001174081,NM_001174082	NLRP2	NLR family pyrin domain containi	1.342348036	1.623280225	16.895866	22.870791	25.909893	5.91522644	6.33389198	6.60495639	2330	4179	4652
8323	NM_001164615,NM_001164616	FZD6	frizzled class receptor 6	1.374891381	1.623158385	20.896984	27.496681	29.888576	6.16917354	6.62302931	6.86028209	2786	5118	5562
6845	NM_001145149_chrX,NM_0011	VAMP7	vesicle associated membrane pro	1.086898858	1.623046037	5.530627	5.974194	8.374283	3.9199564	4.03255443	4.58170751	555	806	1108
29966	NM_001083893,NM_014574	STRN3	striatin 3	1.147216436	1.622806453	12.734623	14.64239	19.482753	5.69529401	5.88986396	6.38309014	1995	3058	3982
100505812	NR_040599	CARD8-AS1	CARD8 antisense RNA 1	1.139759334	1.622777041	0.272746	0.317956	0.427262	0.61813834	0.68708806	0.90287695	21	32	42
6820	NM_004605,NM_177973	SULT2B1	sulfotransferase family 2B memb	-5.391977407	1.622673517	21.070503	3.871473	32.165839	4.68265777	2.47903109	5.35937359	969	240	1934
56995	NM_001007466,NM_020245	TULP4	tubby like protein 4	1.390708988	1.622235994	1.888758	2.628616	2.40847	4.13181574	4.5843929	4.79797547	649	1206	1295
10615	NM_006461	SPAG5	sperm associated antigen 5	1.024192451	1.621814651	41.801643	42.861977	63.710091	7.28532538	7.31959433	7.97939417	6085	8327	12138
29950	NM_013376	SERTAD1	SERTA domain containing 1	1.111472781	1.621793229	16.745459	18.627052	25.524305	4.36724694	4.5127108	5.03786164	771	1145	1538
285266	NR_040100	ENTPD3-AS1	ENTPD3 antisense RNA 1	1.679433165	1.621745281	0.201349	0.341513	0.308745	0.49317359	0.75384785	0.73352601	16	36	32
29117	NM_001173984,NM_013263	BRD7	bromodomain containing 7	1.126341013	1.62161718	30.958584	34.918418	47.193074	6.1428929	6.31225092	6.83250109	2735	4116	5455
2749	NR_048575	GLUD1P3	glutamate dehydrogenase 1 pse	1.988770978	1.621457	0.417129	0.86186	0.657979	0.46682716	0.81765451	0.69713258	15	40	30
54933	NM_001304746,NM_017821	RHBDL2	rhomboid like 2	-1.407235103	1.621158589	9.31933	6.637228	14.213027	4.17923909	3.71835988	4.84551373	672	638	1340
91664	NM_001321522,NM_001321523	ZNF845	zinc finger protein 845	-1.788267732	1.621143724	2.299479	1.286954	3.578513	3.79580649	3.03667667	4.45257508	506	378	1009
26035	NM_001324091,NM_001324092	GLCE	glucuronic acid epimerase	1.210610228	1.620931567	5.153272	6.220557	7.989566	4.66538426	4.93122105	5.34032578	957	1548	1908
6016	NM_001256820,NM_001256821	RIT1	Ras like without CAAX 1	-1.096823173	1.620887604	6.121058	5.65507	9.242718	4.40589631	4.27912189	5.07644857	793	966	1581
221687	NM_001165032,NM_001165033	RNF182	ring finger protein 182	-1.442196925	1.620748525	0.090021	0.063674	0.144975	0.41264541	0.23720487	0.62147005	13	12	26
79745	NM_001287527,NM_001287528	CLIP4	CAP-Gly domain containing linke	-1.246469524	1.620639403	34.858061	27.964216	53.072311	7.14568271	6.83033724	7.83834994	5520	5917	11003
259232	NM_001350748,NM_001350749	NALCN	sodium leak channel, non-selecti	-2.476620042	1.62056039	1.129563	0.454137	1.725879	3.13654562	2.05153568	3.76899703	306	165	610
1050	NM_001285829,NM_001287424	CEBPA	CCAAT/enhancer binding protein	4.9542989	1.620306547	0.119322	0.593955	0.182107	0.38477185	1.33632702	0.58209675	12	80	24
10424	NM_006320	PGRMC2	progesterone receptor membran	1.255528907	1.61989956	18.173655	22.84437	27.661913	6.08885029	6.41283705	6.77664393	2633	4417	5246
8027	NM_001324282,NM_001324283	STAM	signal transducing adaptor molec	1.143534607	1.619894647	12.518962	14.284092	18.955663	5.58478799	5.77452033	6.26917183	1845	2819	3676
6920	NM_003196	TCEA3	transcription elongation factor A3	-1.470249118	1.619886687	2.118952	1.437933	3.227978	2.20692365	1.79043244	2.77836293	142	129	283
10085	NM_001278642,NM_005711	EDIL3	EGF like repeats and discoidin d	1.6268495	1.619785021	0.054961	0.098709	0.090304	0.35634914	0.54351856	0.54161868	11	24	22
5583	NM_006255	PRKCH	protein kinase C eta	-1.106250518	1.619651955	3.486135	3.157598	5.309507	3.81942505	3.68453475	4.47558749	515	622	1026
6002	NM_002926,NM_198227,NM_19	RGS12	regulator of G protein signaling 1	-1.006757898	1.619548477	3.28154	3.269796	4.944768	4.33847337	4.32923711	5.00660315	755	1002	1504
84376	NM_032410	HOOK3	hook microtubule tethering protei	1.019408011	1.619289267	2.395473	2.446083	3.647217	5.11679207	5.14373402	5.79620902	1323	1802	2635
7111	NM_001166116,NM_003275	TMOD1	tropomodulin 1	-1.112099584	1.619160345	0.078141	0.070409	0.119584	0.3273552	0.29720487	0.49997203	10	12	20
4689	NM_000631,NM_013416	NCF4	neutrophil cytosolic factor 4	3.49098465	1.619160345	0.159229	0.625694	0.240972	0.3273552	0.92294555	0.49997203	10	47	20
151	NM_000682	ADRA2B	adrenoceptor alpha 2B	-1.112099584	1.619160345	0.077661	0.066847	0.11873	0.3273552	0.29720487	0.49997203	10	12	20
100506495	NR_103553,NR_103554	LIFR-AS1	LIFR antisense RNA 1	3.46340288	1.618398561	0.055105	0.216661	0.094679	0.29776659	0.84852988	0.45708734	9	42	18
29924	NM_001130071,NM_001130072	EPN1	epsin 1	1.176335733	1.618163206	28.886486	33.766503	44.414598	6.16303279	6.3943197	6.84970016	2774	4360	5521
51030	NM_001316919,NM_001316920	TVP23B	trans-golgi network vesicle protei	1.094788492	1.618059669	16.427381	18.927032	27.45089	5.21997612	5.34728212	5.89942163	1424	2083	2834
729252	NR_073414	KRT16P1	keratin 16 pseudogene 1	-1.403021204	1.617618223	1.493448	1.064692	2.278111	1.86749926	1.52971203	2.40240201	104	99	207
3667	NM_005544	IRS1	insulin receptor substrate 1	2.334722388	1.61747818	1.997521	4.674206	3.04057	4.17110273	5.34795755	4.83403711	668	2084	1329
84750	NM_032664	FUT10	fucosyltransferase 10	-1.464710042	1.617452061	0.747801	0.509295	1.143288	1.84721644	1.47139626	2.37961802	102	93	203
100507057	NR_038285	MELTF-AS1	MELTF antisense RNA 1	-1.01851227	1.617111349	7.670813	7.536628	11.653811	3.01906833	2.99588686	3.64312491	279	366	555
1456	NM_001031812,NM_001044723	CSNK1G3	casein kinase 1 gamma 3	-1.024454779	1.616891965	8.779264	8.425257	13.10767	5.21602693	5.18211693	5.89440754	1420	1852	2824

2548	NM_000152,NM_001079803,NM	GAA	glucosidase alpha, acid	1.144960206	1.616762243	41.722192	48.036478	63.70268	7.20491622	7.39897847	7.89429925	5753	8801	11440
57630	NM_020870	SH3RF1	SH3 domain containing ring finge	-1.082770099	1.616630845	6.43195	5.946874	9.773694	5.08682982	4.9756027	5.76358331	1295	1598	2575
101927043	NR_110207,NR_110208	LOC101927043	uncharacterized LOC101927043	2.331861258	1.616232328	0.192232	0.459851	0.289217	0.23670415	0.50527715	0.36729312	7	22	14
103344718	NM_001293171	HOTS	H19 opposite tumor suppressor	-1.545802484	1.616232328	0.047113	0.029908	0.06859	0.23670415	0.15624221	0.36729312	7	6	14
6916	NM_001061,NM_001130966,NM	TBXAS1	thromboxane A synthase 1	2.015933494	1.616232328	0.0761	0.151269	0.108757	0.23670415	0.44594451	0.36729312	7	19	14
283208	NM_001288748,NM_182904,NR	P4HA3	prolyl 4-hydroxylase subunit alph	1.700005729	1.616232328	0.068277	0.136418	0.121721	0.23670415	0.38406669	0.36729312	7	16	14
83861	NM_001346418,NM_031924,NR	RSPH3	radial spoke 3 homolog	-1.100618839	1.616163505	1.728473	1.562049	2.577963	3.53555296	3.40966853	4.18003621	416	505	827
8266	NM_014235	UBL4A	ubiquitin like 4A	1.245808516	1.615916018	8.839499	11.025066	13.424626	4.42654937	4.73036982	5.09317527	805	1340	1600
9652	NM_014639	TTC37	tetratricopeptide repeat domain 3	-1.25179741	1.615473715	15.115604	12.087309	22.946547	6.40858912	6.08884618	7.09408037	3296	3518	6549
10505	NM_001271661,NM_001271662	SEMA4F	ssemaphorin 4F	1.20297175	1.614773001	2.789614	3.469739	4.261927	4.13809052	4.39083965	4.79797547	652	1048	1295
1293	NM_004369,NM_057164,NM_05	COL6A3	collagen type VI alpha 3 chain	14.96901817	1.614617587	0.01481	0.224457	0.02265	0.20517559	1.73367602	0.32020933	6	122	12
105372383	NR_136525	LOC105372383	uncharacterized LOC105372383	1.733268597	1.614617587	0.064596	0.106978	0.098789	0.20517559	0.3412894	0.32020933	6	14	12
6305	NM_002972	SBF1	SET binding factor 1	1.252634788	1.614588334	10.801342	13.544137	16.387529	6.42107909	6.7426547	7.10584102	3325	5565	6603
55095	NM_001303614,NM_018028	SAMD4B	sterile alpha motif domain contair	1.205894651	1.614285386	10.446133	12.426709	15.436878	5.49067064	5.75530068	6.16933971	1726	2781	3427
56169	NM_031415	GSDMC	gasdermin C	-1.714472675	1.613872129	4.532227	2.649312	6.883385	3.70009475	2.99933041	4.34789256	471	367	935
9997	NM_001169109,NM_001169110	SCO2	SCO2, cytochrome c oxidase ass	-1.178115334	1.613861159	13.78317	11.926789	21.033323	3.87558202	3.65645563	4.52832887	537	609	1066
339451	NM_198317	KLHL17	kelch like family member 17	1.152837312	1.613203856	11.630811	13.424132	17.63044	4.90867185	5.10749649	5.58027977	1140	1756	2262
23385	NM_001290184,NM_001290186	NCSTN	nicastrin	1.008396589	1.61261969	28.361074	28.486359	42.618656	6.33993461	6.35184985	7.02257848	3141	4232	6230
56670	NM_033050	SUCNR1	succinate receptor 1	2.951960016	1.612371114	0.025029	0.091491	0.046482	0.17294258	0.46599441	0.27153692	5	20	10
93659	NM_033043	CGB5	chorionic gonadotropin beta subu	5.150214153	1.612371114	0.126777	0.779443	0.216041	0.17294258	0.73744528	0.27153692	5	35	10
100616359	NR_039883	MIR4730	microRNA 4730	-1.647024248	1.612371114	1.560952	0.812052	2.452963	0.17294258	0.10601836	0.27153692	5	4	10
619518	NR_103541	SSBP3-AS1	SSBP3 antisense RNA 1	1.779557809	1.612371114	0.049611	0.083746	0.076262	0.17294258	0.29720487	0.27153692	5	12	10
2005	NM_001973,NM_021795	ELK4	ELK4, ETS transcription factor	1.03164263	1.612043094	9.000845	8.945486	12.548345	6.46000163	6.50444356	7.14267439	3417	4710	6775
64327	NM_001350953,NM_001350954	LMBR1	limb development membrane pro	-1.362297995	1.611815184	6.159789	4.544827	9.369538	4.91233736	4.48350191	5.58277547	1143	1121	2266
4090	NM_001001419,NM_001001420	SMAD5	SMAD family member 5	1.103798136	1.611357834	7.625878	8.402167	11.5635	5.73032519	5.87025076	6.40828426	2045	3016	4053
64783	NM_001201545,NM_022768	RBM15	RNA binding motif protein 15	-1.206091263	1.611310545	8.480393	7.075005	13.049256	4.86394356	4.60375125	5.53331305	1104	1223	2188
100527978	NM_001199691	TMEM56-RWDD3	TMEM56-RWDD3 readthrough	-1.15894841	1.611159966	1.030702	0.888633	1.564933	1.32354034	1.19932051	1.77525664	59	68	117
4126	NM_005908	MANBA	mannosidase beta	1.001190724	1.611054213	6.010089	6.025805	9.098275	4.34933082	4.3509637	5.01031597	761	1018	1508
6790	NM_001323303,NM_001323304	AURKA	aurora kinase A	1.202253627	1.611049347	60.863725	69.998737	91.007346	7.11579079	7.3797859	7.79985211	5406	8684	10712
10066	NM_001320778,NM_005697	SCAMP2	secretory carrier membrane prote	1.200203058	1.610971905	25.114147	30.173898	38.020152	5.93878107	6.19814177	6.61779051	2369	3799	4694
3659	NM_002198	IRF1	interferon regulatory factor 1	1.117114317	1.610871513	16.926764	18.933865	25.628208	5.89684214	6.05408526	6.57549861	2300	3433	4557
2773	NM_006496	GNAI3	G protein subunit alpha i3	1.222121873	1.61021075	15.012633	18.368305	22.717087	6.13297837	6.4186356	6.81243872	2716	4435	5379
84958	NM_001193308,NM_032872	SYTL1	synaptotagmin like 1	1.251760338	1.609875565	17.513834	21.878889	26.410988	5.09974705	5.41524189	5.77071509	1307	2186	2588
4134	NM_001134364,NM_002375,NM	MAP4	microtubule associated protein 4	1.051991476	1.609327644	17.819659	18.648835	26.43902	6.76173135	6.83419894	7.44316123	4221	5933	8355
80124	NM_025054	VCPIP1	valosin containing protein interac	1.051293443	1.609120489	3.840478	4.042827	5.810066	4.9814326	5.05137419	5.65036315	1201	1687	2377
55770	NM_018303,NR_073064	EXOC2	exocyst complex component 2	-1.000705645	1.609115585	4.21855	4.071673	6.378079	4.27725131	4.276286	4.93515799	722	964	1429
126961	NM_021059,NM_021059_dup1	HIST2H3C	histone cluster 2 H3 family memb	2.212854945	1.609032028	0.170468	0.450929	0.308273	0.13997292	0.29720487	0.22116494	4	12	8
158131	NM_012364	OR1Q1	olfactory receptor family 1 subfar	4.035186879	1.609032028	0.086889	0.454486	0.169003	0.13997292	0.50527715	0.22116494	4	22	8
493913	NR_103711	PAPPA-AS1	PAPPA antisense RNA 1	-1.324521912	1.609032028	0.035749	0.032016	0.05988	0.13997292	0.10601836	0.22116494	4	4	8
101927586	NR_109950	LINC01271	long intergenic non-protein codin	2.030621751	1.609032028	0.04347	0.090835	0.066014	0.13997292	0.27464693	0.22116494	4	11	8
101928118	NR_125948,NR_125949	LOC101928118	uncharacterized LOC101928118	1.119455784	1.609032028	0.04221	0.041502	0.056759	0.13997292	0.15624221	0.22116494	4	6	8
349075	NM_182633	ZNF713	zinc finger protein 713	1.539761853	1.608821289	0.290994	0.449791	0.444923	1.2010231	1.58576189	1.62837236	51	105	101
284185	NR_038080	LINC00482	long intergenic non-protein codin	1.315580105	1.60880533	3.346227	4.406428	5.060922	3.41670749	3.77972069	4.05079762	380	668	752
92799	NM_138392	SHKBP1	SH3KBP1 binding protein 1	1.248783516	1.608705715	17.617916	22.029533	26.639503	5.37766084	5.69127348	6.0504089	1593	2658	3152
116832	NM_052969	RPL39L	ribosomal protein L39 like	1.946607095	1.608347815	14.447472	28.136816	21.820251	3.53555296	4.43346656	4.17342809	416	1081	823
1962	NM_001166415,NM_001966	EHHADH	enoyl-CoA hydratase and 3-hydr	1.125355706	1.608268343	4.662785	5.257378	7.041859	4.22034818	4.42034944	4.86512445	687	1033	1359
5002	NM_001315501,NM_001315502	SLC22A18	solute carrier family 22 member	-1.156729749	1.607569094	9.967218	8.542424	15.032309	3.96536097	3.76967342	4.615008	574	663	1135
9144	NM_001320523,NM_004710	SYNGR2	synaptogyrin 2	-1.218766406	1.60752062	135.58516	110.694133	199.99088	7.80735203	7.52333485	8.48976011	8755	9598	17310
374969	NM_199342	SVBP	small vasohibin binding protein	1.714126518	1.607391001	4.373521	7.527353	6.620595	2.14180175	2.77662633	2.69776636	134	307	265
4294	NM_002446	MAP3K10	mitogen-activated protein kinase	-1.100412624	1.607177225	5.254856	4.783033	7.940949	4.21727226	4.08697381	4.87228279	691	839	1366
55558	NM_017514	PLXNA3	plexin A3	1.261201182	1.606589732	11.960381	15.098981	18.055305	6.31522766	6.6462792	6.99239202	3087	5202	6100
79820	NM_024764	CATSPERB	cation channel sperm associated	-1.464854606	1.606522946	0.318012	0.219118	0.489925	1.10178443	0.83317479	1.50747923	45	41	89
10486	NM_006366	CAP2	CAP, adenylate cyclase-associat	1.496443882	1.606045031	1.074683	1.618781	1.626575	2.0648444	2.52753672	2.61239943	125	250	247
55290	NM_018310	BRF2	BRF2, RNA polymerase III transc	1.006788239	1.60560625	3.670867	3.697816	5.540015	3.0281061	3.03667667	3.64312491	281	378	555
9793	NM_001008938,NM_014756	CKAP5	cytoskeleton associated protein 5	-1.174584655	1.604655455	38.43881	32.809199	57.99676	7.97811052	7.74695568	8.65822263	9860	11216	19460
84951	NM_032865	TNS4	tensin 4	1.241788303	1.604564993	50.950146	63.341541	76.830627	7.66541663	7.97645529	8.34492647	7931	13159	15652
63931	NM_022100,NR_037606	MRPS14	mitochondrial ribosomal protein S	2.029416118	1.604480211	8.091968	16.771761	12.433266	4.19537543	5.17604388	4.84759061	680	1844	1342
26958	NM_001290033,NM_012133	COPG2	coatomer protein complex subun	-1.382382852	1.604431792	11.341604	8.472583	19.145064	4.26583542	3.82699692	4.91944741	716	692	1413
5289	NM_001308020,NM_002647	PIK3C3	phosphatidylinositol 3-kinase cat	1.666610493	1.603823493	2.556198	4.199112	3.771538	3.08983317	3.75752359	3.70628928	295	657	582
757	NM_006134,NR_040016	TMEM50B	transmembrane protein 50B	-1.96409354	1.603746415	10.172529	5.283258	15.556387	4.70537203	3.78372009	5.3659089	985	670	1943
677828	NR_003014	SNORA47	small nucleolar RNA, H/ACA box	1.238869866	1.603547076	0.396042	0.604728	0.828901	0.10623215	0.13134883	0.16897038	3	5	6
101929882	NR_135558	LOC101929882	uncharacterized LOC101929882	-1.002019576	1.603547076	0.109905	0.139071	0.211721	0.10623215	0.10601836	0.16897038	3	4	6
102465488	NR_106872	MIR6814	microRNA 6814	3.165952837	1.603547076	1.047191	3.543263	1.676526	0.10623215	0.31941552	0.16897038	3	13	6
105372273	NR_134909	LOC105372273	uncharacterized LOC105372273	1.238869866	1.603547076	0.108637	0.156835	0.182996	0.10623215	0.13134883	0.16897038	3	5	6
303	NR_001562	ANXA2P1	annexin A2 pseudogene 1	-1.937182024	1.603547076	0.03896	0.017004	0.083381	0.10623215	0.05398282	0.16897038	3	2	6
100500880	NR_037435	MIR3662	microRNA 3662	-1.937182024	1.603547076	0.809786	0.402451	1.147841	0.10623215	0.05398282	0.16897038	3	2	6
100616134	NR_039912	MIR499B	microRNA 499b	-1.002019576	1.603547076	0.780616	0.810863	1.504609	0.10623215	0.10601836	0.16897038	3	4	6
166863	NM_001277171,NM_001277173	RBM46	RNA binding motif protein 46	2.18448128	1.603519447	0.273085	0.601929	0.414878	0.99521185	1.66595383	1.37552141	39	114	77
55062	NM_001320772,NM_017983,NR	WIPI1	WD repeat domain, phosphoinos	-1.848661118	1.603447616	8.748124	4.759312	13.196047	4.13181574	3.31335619	4.7817748	649	469	1280
3619	NM_001040694,NM_020238	INCENP	inner centromere protein	1.326211879	1.603309326	15.793567	20.981673	23.817588	6.01519803	6.41702723	6.68785694	2500	4430	4930
84722	NM_001005290,NM_001032291	PSRC1	proline and serine rich coiled-coil	1.159906988	1.603274719	24.143767	27.651942	35.51583	5.45005808	5.6595227	6.11864377	1677	2599	3307
9578	NM_006035	CDC42BPB	CDC42 binding protein kinase be	1.200561269	1.6023095	17.884809	21.49987	26.932627	6.87907613	7.14074177	7.55462757	4582	7350	9030
664	NM_004052	BNIP3	BCL2 interacting protein 3	3.340518656	1.602206079	3.858294	12.913741	5.812888	2.83562844	4.42708835	3.43788301	241	1076	475
83443	NM_031287	SF3B5	splicing factor 3b subunit 5	1.328649897	1.602109129	30.159081	40.121212	45.408276	4.50146728	4.89562996	5.15737078	850	1509	1675
79699	NM_024646	ZYG11B	zyg-11 family member B, cell cyc	1.270804676	1.601683681	2.253865	2.868735	3.394217	4.23884171	4.56825335	4.88952086	702	1192	1383
23263	NM_001112732,NM_001320815	MCF2L	MCF.2 cell line derived transform	-1.261374274	1.601197357	0.265394	0.210664	0.410034	1.44997615	1.24644988	1.91649468	68	72	134
57584	NM_020824	ARHGAP21	Rho GTPase activating protein 2	-1.103806672	1.601187525	12.279223	11.134851	18.475063	6.43770726	6.29694166	7.11060505	3364	4072	6625
51227	NM_001320480,NM_016430,NM	PIGP	phosphatidylinositol glycan anch	1.737235849	1.601040597	11.577109	20.136022	17.374639	3.45742019	4.19753076	4.08640889	392	910	772
9053	NM_001198608,NM_001198609	MAP7	microtubule associated protein 7	1.209721824	1.600909898	6.309194	7.610962	9.541917	4.85888706	5.12494108	5.51904993	1100	1778	2166
3069	NM_001243900,NM_001320965	HDLBP	high density lipoprotein binding p	1.52290586	1.600501775	38.759501	59.002649	57.907371	7.90026394	8.50502135	8.57652714	9340	19005	18386
10175	NM_005776	CNIH1	cornichon family AMPA receptor	1.368132567	1.600116408	50.650459	69.397179	76.179138	6.15377238	6.60053269	6.82435142	2756	5038	5424
54961	NM_017857	SSH3	slingshot protein phosphatase 3	-1.124540887	1.599620598	34.343437	30.580269	51.636028	6.60370522	6.43621034	7.27587959	3779	4490	7435
6786	NM_001277961,NM_001277962	STIM1	stromal interaction molecule 1	-1.051335654	1.599581085	32.173672	30.540857	48.370294	6.99509932	6.92345485	7.66856017	4969	6315	9776
2730	NM_001308253,NM_002061	GCLM	glutamate-cysteine ligase modifie	1.149366045	1.599353809	5.36628	6.175398	8.082688	4.77547559	4.96947085	5.43314535	1036	1591	2038
84280	NM_001297741,NM_001297742	BTBD10	BTB domain containing 10	2.417966477	1.599175917	7.420901	18.093877	11.224563	4.22907737	5.45716415	4.87737422	697	2252	1371
84725	NM_001197026,NM_001197027	PLEKHA8	pleckstrin homology domain cont	-1.262414508	1.599047303	3.441606	2.647809	5.194657	4.53988763	4.21984192	5.19374412	874	925	1719
9863	NM_001301128,NM_012301	MAGI2	membrane associated guanylate	1.569486325	1.598344712	0.228365	0.363581	0.3459	1.35261029	1.78245981	1.80120704	61	128	120
55783	NM_001099642,NM_001324374	CMTR2	cap methyltransferase 2	-1.343117728	1.5981765	18.193015	13.854577	26.121398	6.11453445	5.69605597	6.78316916	2681	2667	5270
6612	NM_001286416,NM_006936	SUMO3	small ubiquitin-like modifier 3	-1.309899746	1.59805947	26.038942	19.852404	39.105465	5.54991538	5.16994515	6.21469853	1800	1836	3538
254887	NM_001320466,NM_001320467	ZDHHC23	zinc finger DHHC-type containing	1.473134194	1.597953818	1.445092	2.381408	2.444296	3.30588543	3.81727465	3.92662428	349	687	686
80256	NM_001317991,NM_025182,NR	FAM214B	family with sequence similarity 2	-1.075582055	1.597852596	5.022236	4.839835	7.987519	3.97474042	3.87652288	4.61622671	578	718	1136
84224	NM_001256416,NM_001256417	NBPF3	NBPF member 3	-1.258458345	1.597774382	3.149719	2.50756	4.841773	3.82979934	3.5240591	4.46750731	519	551	1020
25934	NM_001329570,NM_015469	NIPSNAP3A	nipsnap homolog 3A	1.201875453	1.597754527	8.768281	10.468142	12.923941	3.97005831	4.21984192	4.61134568	576	925	1132
2074	NM_000124,NM_001277058,NM	ERCC6	ERCC excision repair 6, chromat	-1.219465794	1.597225204	3.542664	2.713138	4.757106	4.49659199	4.22426305	5.14813232	847	928	1664
90204	NM_080603	ZSWIM1	zinc finger SWIM-type containing	1.174803232	1.597111957	3.967031	4.666515	5.959689	3.55756677	3.77168848	4.18661421	423	664	831
7005	NM_003214	TEAD3	TEA domain transcription factor 3	1.002772348	1.596722698	12.120278	12.165565	18.186888	5.18201511	5.18589965	5.84224309	1386	1857	2722
8940	NM_001282112,NM_001282113	TOP3B	topoisomerase (DNA) III beta	1.125828935	1.596559577	7.330284	8.294076	10.824632	4.63760441	4.80211744	5.29081305	938	1411	1842
54441	NR_040583,NR_040583_dup1	STAG3L1	stromal antigen 3-like 1 (pseudog	-1.091354742	1.596333727	4.024166	3.686222	6.037367	3.23349937	3.12128662	3.84996236	330	404	648
10908	NM_001166111,NM_001166112	PNPLA6	patatin like phospholipase domai	-1.056224428	1.59620591	9.72644	9.21787	14.541854	5.41345159	5.33643196	6.07543546	1634	2067	3208

28952	NM_014008	CCDC22	coiled-coil domain containing 22	1.282936451	1.595594404	3.625848	4.664421	5.446785	3.20189991	3.52644784	3.81642381	322	552	632
7803	NM_003463	PTP4A1	protein tyrosine phosphatase typ	1.333385722	1.595202459	9.881286	13.192325	14.819113	5.64330615	6.05118491	6.30626619	1923	3426	3773
4085	NM_002358	MAD2L1	mitotic arrest deficient 2 like 1	1.286978216	1.595200638	39.823639	51.299507	59.689857	5.82476383	6.18308005	6.48900046	2186	3759	4289
282809	NM_001199777,NM_172240,NR	POC1B	POC1 centriolar protein B	-1.072205477	1.595200174	4.732064	4.385683	7.088908	3.9817352	3.88771448	4.62109129	581	724	1140
50855	NM_001037281,NM_016948	PARD6A	par-6 family cell polarity regulato	-1.50214045	1.595165051	1.668639	1.114394	2.503005	1.61502061	1.24644988	2.10191219	81	72	159
25865	NM_001079880,NM_001079881	PRKD2	protein kinase D2	-1.0831522	1.595148762	15.520061	15.0206	22.888338	5.73447233	5.62148167	6.3980468	2051	2530	4024
55362	NM_001318792,NM_018426	TMEM63B	transmembrane protein 63B	1.11123152	1.59490072	10.18304	11.270857	15.269463	5.06942494	5.2172889	5.72682174	1279	1899	2509
114882	NM_001003712,NM_001319652	OSBPL8	oxysterol binding protein like 8	1.269387032	1.594851435	4.650364	6.015849	7.070778	5.09545415	5.43062766	5.7530961	1303	2210	2556
57613	NM_020853	FAM234B	family with sequence similarity 2	-1.041446804	1.594434583	4.003358	3.847316	5.996425	4.27535493	4.21984192	4.92043435	721	925	1414
54708	NM_017824	MARCH5	membrane associated ring-CH-ty	-1.472611572	1.593653376	8.689394	5.909686	13.018463	5.0976022	4.55894904	5.75420361	1305	1184	2558
54664	NM_001134232,NM_018374	TMEM106B	transmembrane protein 106B	-1.158904752	1.593432406	9.02179	7.827386	13.732538	5.84472325	5.63593399	6.5075083	2217	2556	4345
9878	NM_001303523,NM_014828	TOX4	TOX high mobility group box fam	1.369554171	1.593412356	13.519314	18.547649	20.250326	5.92130285	6.36858875	6.58455493	2340	4282	4586
8508	NM_001202502,NM_003634	NIPSNAP1	nipsnap homolog 1	1.125657476	1.593334583	21.790384	26.715907	35.400682	5.59850439	5.7659537	6.25945481	1863	2802	3651
2064	NM_001005862,NM_001289936	ERBB2	erb-b2 receptor tyrosine kinase 2	-1.149128669	1.593170188	37.187395	32.445453	55.715657	7.40050792	7.20123694	8.06923471	6594	7667	12921
6913	NM_001330677,NM_152380	TBX15	T-box 15	1.8268438	1.592868313	0.014714	0.022049	0.022373	0.07168335	0.13134883	0.1148164	2	5	4
162998	NM_175883	OR7D2	olfactory receptor family 7 subfan	1.471633007	1.592868313	0.016229	0.02432	0.024799	0.07168335	0.10601836	0.1148164	2	4	4
168448	NR_003595	CDC14C	cell division cycle 14C, pseudoge	1.116422214	1.592868313	0.009043	0.013551	0.027226	0.07168335	0.08023518	0.1148164	2	3	4
121952	NR_026965	METTL21EP	methyltransferase like 21E, pseu	4.313319351	1.592868313	0.015797	0.096575	0.034582	0.07168335	0.29720487	0.1148164	2	12	4
100302161	NR_031610	MIR1205	microRNA 1205	2.182054593	1.592868313	0.657835	1.626537	0.992659	0.07168335	0.15624221	0.1148164	2	6	4
9887	NM_001174061,NM_001331007	SMG7	SMG7, nonsense mediated mRN	1.428194747	1.592754094	13.678625	19.602088	20.215954	6.30921596	6.81795863	6.97397223	3074	5866	6022
113878	NM_001102594,NM_001102595	DTX2	deltex E3 ubiquitin ligase 2	-1.773667387	1.592709238	63.03576	35.089108	93.588251	7.1289776	6.31017284	7.7966307	5456	4110	10688
51495	NM_016395	HACD3	3-hydroxyacyl-CoA dehydratase	1.189367466	1.592636459	41.618332	49.559048	62.293346	7.03347295	7.2819178	7.70079795	5104	8111	9998
22837	NM_001278458,NM_001278460	COBLL1	cordon-bleu WH2 repeat protein	-1.892107277	1.592376788	1.865105	0.984945	2.819101	4.18934543	3.33804373	4.83089121	677	478	1326
5791	NM_001316676,NM_001316677	PTPRE	protein tyrosine phosphatase, rec	1.55135444	1.5921259	3.612246	5.170724	5.223612	4.17923909	4.78426276	4.82035506	672	1393	1316
51496	NM_016396	CTDSPL2	CTD small phosphatase like 2	1.12151488	1.591853066	5.358429	6.018754	8.017917	4.72495781	4.88449983	5.37529684	999	1497	1956
2805	NM_002079	GOT1	glutamic-oxaloacetic transaminas	-1.40357087	1.591815868	49.88966	35.58556	74.636093	6.70509716	6.22154965	7.37063535	4057	3862	7943
79812	NM_024756	MMRN2	multimerin 2	1.173041354	1.591758547	1.342655	1.577031	2.011799	2.69516719	2.89227137	3.28075123	215	337	421
108903150	NR_144447	ZNF8-ERVK3-1	ZNF8-ERVK3-1 readthrough	-1.340639607	1.591755816	1.594058	1.190467	2.386204	3.05045588	2.68551066	3.65503258	286	285	560
9397	NM_001308295,NM_004808	NMT2	N-myristoyltransferase 2	1.329928602	1.591654841	3.46448	5.70543	6.491276	4.00709644	4.39607413	4.64397663	592	1052	1159
8910	NM_001099400,NM_001099401	SGCE	sarcoglycan epsilon	-1.293298492	1.591082233	23.289639	18.113778	34.565424	5.30330016	4.94289226	5.95971039	1511	1561	2957
84243	NM_032283	ZDHHC18	zinc finger DHHC-type containing	1.059490806	1.591058705	14.517802	15.398919	21.706917	5.50368806	5.58527743	6.16184796	1742	2466	3409
79901	NM_001127383,NM_001256909	CYBRD1	cytochrome b reductase 1	-1.747829557	1.591045616	9.540089	5.448257	14.252085	5.36523338	4.58553885	6.02218491	1579	1207	3090
754	NM_001286822,NM_004339,NR	PTTG1IP	PTTG1 interacting protein	-1.632625618	1.590984271	100.111834	61.453181	149.710815	8.11084638	7.40694114	8.77883164	10814	8850	21161
55187	NM_015378,NM_018156	VPS13D	vacuolar protein sorting 13 homo	-1.058372813	1.590867511	2.994291	2.832193	4.476824	5.60455895	5.52443609	6.26334948	1871	2362	3661
646278	NR_037599	PDCD6IPP2	PDCD6IP pseudogene 2	-1.232703846	1.590844683	0.588656	0.482163	0.888628	1.15225689	0.99371033	1.5590879	48	52	94
8837	NM_001127183,NM_001127184	CFLAR	CASP8 and FADD like apoptosis	1.35384647	1.590823317	38.14362	29.733807	51.844658	7.00486037	7.4389936	7.67046796	5003	9050	9789
8225	NM_012227_chrX,NM_012227_(	GTPBP6	GTP binding protein 6 (putative)	1.360874692	1.590764646	7.62352	10.390503	11.408834	3.29843463	3.70365887	3.91280502	347	631	679
221037	NM_001282948,NM_001318153	JMJD1C	jumonji domain containing 1C	-1.232683893	1.590651544	8.425193	6.79881	12.561823	6.16457043	5.86742698	6.8267222	2777	3010	5433
587	NM_001164773,NM_001190,NM	BCAT2	branched chain amino acid trans	1.010993115	1.590533911	27.72267	26.793061	40.504663	5.38559376	5.40099266	6.04227156	1602	2164	3134
89890	NM_152903	KBTBD6	kelch repeat and BTB domain co	1.176007785	1.589999869	0.907546	1.069735	1.360253	2.49460548	2.68977954	3.06566078	182	286	356
79960	NM_001287437,NM_001287439	JADE1	jade family PHD finger 1	1.671851424	1.58994796	3.07741	5.010603	4.670884	4.14225859	4.85058478	4.78068826	654	1461	1279
285362	NM_001164674,NM_001164675	SUMF1	sulfatase modifying factor 1	1.721713499	1.589896228	11.463244	19.783459	17.167096	4.64790143	5.40748703	5.29538508	945	2174	1848
85403	NM_033083	EAF1	ELL associated factor 1	1.213965985	1.589737178	4.437319	5.395799	6.634566	4.35113248	4.61838139	4.99353253	762	1236	1490
148206	NM_182515,NR_117086,NR_11	ZNF714	zinc finger protein 714	1.26783974	1.589626069	3.174549	4.42893	5.09947	4.63760441	4.9677141	5.28469437	938	1589	1834
4901	NM_006177	NRL	neural retina leucine zipper	-1.391779045	1.58947109?	0.36941	0.227562	0.471901	0.68823103	0.52452456	0.98063768	24	23	47
83449	NM_001160213,NM_031293	PMFBP1	polyamine modulated factor 1 bir	1.049097805	1.589215093	0.847984	0.873295	1.251798	1.94589385	1.99745948	2.46867149	112	157	219
219854	NM_001080546,NM_001258238	TMEM218	transmembrane protein 218	-1.057495451	1.589062558	2.321487	2.185462	3.484907	3.32067256	3.24827687	3.93446197	353	446	690
6879	NM_005642	TAF7	TATA-box binding protein associ	-1.025904909	1.588945055	45.906242	44.80386	68.559502	6.69484709	6.6583098	7.35776019	4028	5246	7872
84892	NM_032806	POMGNT2	protein O-linked mannose N-acet	1.953464008	1.588793296	5.144678	10.061588	7.682624	3.78784692	4.70212092	4.41665393	503	1313	983
7693	NM_003435	ZNF134	zinc finger protein 134	1.338957384	1.588734733	6.575606	8.815916	9.817889	5.02835327	5.43825945	5.67980348	1242	2222	2427
94103	NM_001320801,NM_001320802	ORMDL3	ORMDL sphingolipid biosynthesis	1.60041904	1.5887045	20.656452	33.097004	30.844177	5.57171277	6.2387686	6.22831165	1828	3909	3572
1738	NM_000108,NM_001289750,NM	DLD	dihydrolipoamide dehydrogenase	-1.195969668	1.588703718	12.644104	10.549716	19.080029	5.50287791	5.25090169	6.15892396	1741	1945	3402
3833	NM_002263	KIFC1	kinesin family member C1	1.023875424	1.588674126	25.652475	26.293201	38.302139	6.09907168	6.13262236	6.75909764	2652	3628	5182
284023	NR_024349	LOC284023	uncharacterized LOC284023	1.462099883	1.588145893	0.67728	0.996126	1.016677	1.42282133	1.79043244	1.87636985	66	129	129
10644	NM_001007225,NM_001291869	IGF2BP2	insulin like growth factor 2 mRNA	1.57745322	1.588110242	11.247424	17.367994	16.366364	5.44500562	6.09046153	6.10003528	1671	3522	3264
55248	NM_001198862,NM_018252	TMEM206	transmembrane protein 206	1.134563674	1.58762729	11.279076	12.826388	16.844452	4.49659199	4.67115044	5.13968208	847	1284	1654
23189	NM_001256876,NM_001256877	KANK1	KN motif and ankyrin repeat dom	-1.421109313	1.587421617	1.462726	1.025498	2.304757	3.18179291	2.74004451	3.78858771	317	298	619
26986	NM_002568	PABPC1	poly(A) binding protein cytoplasm	-1.210504783	1.587358936	415.614349	343.717896	619.959229	10.1777998	9.90245247	10.84396856	45436	50151	88707
160760	NM_139283,NR_138550	PPTC7	PTC7 protein phosphatase homc	-1.111446989	1.587091631	5.245621	4.724556	7.828438	4.33301385	4.18850877	4.97275069	752	904	1468
124944	NM_001142798,NM_001834093	C17orf49	chromosome 17 open reading fra	1.058345093	1.586558019	13.324858	14.09	19.888811	3.65121051	3.72669368	4.27414582	454	642	886
285753	NM_001083535,NM_001271852	CEP57L1	centrosomal protein 57 like 1	-1.358999019	1.586427566	2.129659	1.688954	3.411054	3.70573844	3.30224686	4.33017765	473	465	923
51599	NM_001260489,NM_001260490	LSR	lipolysis stimulated lipoprotein re	1.085820129	1.5855908	119.388694	130.642495	177.867895	7.98044044	8.09877524	8.6433557	9876	14328	19260
9099	NM_001243759,NM_004205,NM	USP2	ubiquitin specific peptidase 2	-3.371463349	1.585141259	0.56391	0.167353	0.841872	1.61502061	0.68708806	2.09493548	81	32	158
2803	NM_001172713,NM_002078	GOLGA4	golgin A4	-1.117042809	1.584924153	10.95297	9.815058	16.314273	6.40988621	6.25218083	7.06804256	3299	3946	6431
3417	NM_001282386,NM_001282387	IDH1	isocitrate dehydrogenase (NADP	1.075341348	1.584877107	22.232515	23.935105	33.089838	5.72199495	5.8248786	6.37627276	2033	2921	3963
116238	NM_001160407,NM_138463	TLCD1	TLC domain containing 1	-1.150235416	1.584812584	35.918234	31.049448	53.664784	5.17592889	4.97996669	5.82548131	1380	1603	2690
1266	NM_001286055,NM_001286056	CNN3	calponin 3	-1.173327884	1.584749147	27.102182	23.090882	40.323257	5.8234666	5.59725738	6.47831697	2184	2487	4257
79102	NM_032015	RNF26	ring finger protein 26	-1.411920447	1.58466609	20.071716	14.226385	29.886818	5.80780809	5.3206905	6.46248074	2160	2044	4210
57531	NM_001321080,NM_001321083	HACE1	HECT domain and ankyrin repea	-1.276148651	1.584558068	1.52696	1.124657	2.14217	2.91084846	2.61093762	3.50257812	256	268	499
55001	NM_001114108,NM_017904	TTC22	tetratricopeptide repeat domain 2	1.656077205	1.584497555	2.487634	4.191705	3.820898	2.58923814	3.21903935	3.16227031	197	436	384
55450	NM_018584	CAMK2N1	calcium/calmodulin dependent pr	1.930962846	1.58444558	29.114916	56.294472	43.353432	6.08018627	7.01921759	6.73630001	2617	6752	5100
51720	NM_001199297,NM_001199298	UIMC1	ubiquitin interaction motif contain	1.113653893	1.584204542	15.214223	16.734202	22.09095	5.25215086	5.40359392	5.90192215	1457	2168	2839
22920	NM_001204514,NM_001204516	KIFAP3	kinesin associated protein 3	1.383061946	1.584065259	9.126114	12.630342	13.457518	4.78883075	5.24220835	5.43314535	1046	1933	2038
8310	NM_001101667,NM_003501	ACOX3	acyl-CoA oxidase 3, pristanoyl	1.16687552	1.583997088	4.26103	4.962395	6.314804	3.68302999	3.88957134	4.30470323	465	725	906
327	NM_001640	APEH	acylaminoacyl-peptide hydrolase	1.278951335	1.583813573	19.706892	25.231234	29.334297	5.75298837	6.10211907	6.40652436	2078	3551	4048
5727	NM_000264,NM_001083602,NM	PTCH1	patched 1	-1.176555231	1.58371569	0.502071	0.426754	0.747108	2.30685184	2.12272838	2.85881867	155	176	302
729830	NM_001109977,NM_001348694	FAM160A1	family with sequence similarity 16	-1.403745289	1.583087212	1.98376	1.41463	2.966357	4.53514067	4.07069878	5.17484522	871	829	1696
90427	NM_001003940,NM_001003942	BMF	Bcl2 modifying factor	1.256406455	1.582870067	1.368629	1.725994	2.042301	2.86114003	3.14945559	3.44886901	246	413	479
7576	NM_006969,NR_036599,NR_03	ZNF28	zinc finger protein 28	-2.366046834	1.582738004	1.460723	0.617887	2.232038	2.94941774	1.94127715	3.54158719	264	149	514
101927974	NR_144536,NR_144537,NR_14	LOC101927974	uncharacterized LOC101927974	-1.67780182	1.582731745	1.292621	0.712222	1.929664	0.99521185	0.669904	1.36396013	39	31	76
100288069	NR_033908	LOC100288069	uncharacterized LOC100288069	1.352583486	1.582274061	3.550153	4.830175	5.301024	2.52684435	2.89597101	3.09392991	187	338	364
64064	NM_022120	OXCT2	3-oxoacid CoA-transferase 2	-3.299211779	1.582185793	0.284158	0.085866	0.418484	0.59399636	0.20477631	0.85412573	20	8	39
9121	NM_001271765,NM_004695	SLC16A5	solute carrier family 16 member 5	-1.583374389	1.581899786	59.440611	38.173854	89.518013	6.85578736	6.20001348	7.5128695	4508	3804	8771
6301	NM_001330669,NM_006513,NR	SARS	seryl-tRNA synthetase	1.236246881	1.581284418	48.579005	60.688474	75.619492	6.65602068	6.95925859	7.31186417	3920	6475	7624
5831	NM_001282279,NM_001282280	PYCR1	pyrroline-5-carboxylate reductase	1.06380143	1.581226187	19.744268	21.949922	30.540972	5.26367512	5.35065612	5.91088832	1469	2088	2857
8879	NM_003901	SGPL1	sphingosine-1-phosphate lyase 1	-1.396500977	1.580815787	11.319809	8.116989	16.821325	6.01349256	5.54047969	6.66595674	2497	2389	4855
11116	NM_001278690,NM_007045,NM	FGFR1OP	FGFR1 oncogene partner	1.323972102	1.580798958	5.882572	7.763688	8.664919	4.4636621	4.85249002	5.10016049	827	1463	1608
26256	NM_001308231,NM_012189,NM	CABYR	calcium binding tyrosine phospho	1.031167086	1.580751455	5.259375	5.536722	7.96229	3.34619087	3.38618649	3.95387191	360	496	700
4627	NM_002473	MYH9	myosin heavy chain 9	1.2766963	1.579979611	56.719975	72.493141	84.215149	8.70793129	9.05960079	9.36657384	16378	27938	31827
728609	NR_003263	SDHAP3	succinate dehydrogenase comple	-1.008388575	1.579961318	3.6307	3.598651	5.391273	2.34351507	2.33383942	2.89541791	160	212	311
29127	NM_001126103,NM_001126104	RACGAP1	Rac GTPase activating protein 1	-1.066631771	1.579781279	31.623381	29.598757	46.747044	6.63509978	6.54300176	7.28950308	3863	4839	7506
3910	NM_001105206,NM_001105207	LAMA4	laminin subunit alpha 4	1.377951298	1.579361711	17.180411	20.007217	22.432126	6.51447631	6.97267818	7.16803407	3550	6536	6896
23171	NM_015141	GPD1L	glycerol-3-phosphate dehydroger	-1.212455095	1.578887017	2.334774	1.925418	3.466723	3.35699061	3.10858833	3.96347983	363	400	705
5753	NM_001256358,NM_005975	PTK6	protein tyrosine kinase 6	-1.353067935	1.578813934	27.789188	20.526115	41.291254	6.08831031	5.6595227	6.73937923	2632	2599	5111
5787	NM_001109754,NM_001206971	PTPRB	protein tyrosine phosphatase, rec	4.066021817	1.578609774	0.80198	3.404384	1.189854	3.40980893	5.32755573	4.01797815	378	2054	734
55793	NM_001040217,NM_001163258	MINDY1	MINDY lysine 48 deubiquitinase	1.292876953	1.578216669	2.126581	4.097951	5.061344	3.06808971	3.39927923	3.66213029	290	501	563
283991	NM_182565	UBALD2	UBA like domain containing 2	-1.278655558	1.578092737	61.916809	48.47266	91.816376	6.596888	6.24639624	7.24961546	3761	3930	7300
376693	NR_026667	RPS10P7	ribosomal protein S10 pseudoger	1.204594684	1.57733644	0.651353	0.822609	0.989231	0.54446555	0.63490936	0.78645063	18	29	35
220972	NM_001002266,NM_001282866	MARCH8	membrane associated ring-CH-ty	-1.168749785	1.577319436	2.167547	1.860908	3.433853	3.6915876	3.48529134	4.30772367	468	535	908

9538	NM_001290135,NM_001330419	EI24	EI24, autophagy associated trans	-1.110264912	1.577095133	30.815249	27.756846	45.649309	6.11877104	5.97014822	6.76844567	2689	3236	5216
55734	NM_001319146,NM_018197,NM	ZFP64	ZFP64 zinc finger protein	1.296632372	1.576790206	3.651567	4.655133	5.303934	3.57924973	3.92621521	4.19152809	430	745	834
100506581	NM_001195124,NM_001195125	C16orf95	chromosome 16 open reading fra	1.038739659	1.576481236	2.962166	3.058436	4.537974	1.98354948	2.02475093	2.5006986	116	161	225
222950	NM_173564	NYAP1	neuronal tyrosine phosphorylatec	-8.860835627	1.576374757	0.243687	0.027354	0.364158	0.89996265	0.13134883	1.24294651	34	5	66
2821	NM_000175,NM_001184722,NM	GPI	glucose-6-phosphate isomerase	1.458313043	1.575744329	63.368607	92.351736	93.722504	8.0230201	8.56558118	8.67703144	10173	19822	19716
89958	NM_178448	SAPCD2	suppressor APC domain containi	1.096456855	1.575454792	15.892209	17.447752	23.533749	5.91461739	6.04536668	6.56164849	2329	3412	4513
1175	NM_001301076,NM_001301078	AP2S1	adaptor related protein complex 2	1.235309912	1.575251075	51.110345	63.018078	75.286332	5.58095462	5.88009069	6.22551943	1840	3037	3565
25894	NM_001129727,NM_001129728	PLEKHG4	pleckstrin homology and RhoGEI	-2.648063626	1.575180169	0.729346	0.273101	1.095373	2.09955541	1.16293478	2.62698266	129	65	250
115	NM_001116	ADCY9	adenylate cyclase 9	-1.301466502	1.575067364	1.784124	1.371882	2.64017	3.85032677	3.4999516	4.46885716	527	541	1021
55175	NM_018143	KLHL11	kelch like family member 11	1.083974232	1.574448127	4.338217	4.706794	6.419701	5.01364054	5.12651654	5.65214662	1229	1780	2380
4967	NM_001003941,NM_001165036	OGDH	oxoglutarate dehydrogenase	-1.129750976	1.574206301	23.025101	19.569744	34.319131	6.51125714	6.33729741	7.16011778	3542	4189	6858
7675	NM_001008727,NM_001308269	ZNF121	zinc finger protein 121	1.278799474	1.57399846	9.001352	11.605641	13.393617	3.93924856	4.27344453	4.55907234	563	962	1090
10492	NM_001159673,NM_001159674	SYNCRIP	synaptotagmin binding cytoplasm	1.095669195	1.573367869	18.82439	24.544309	29.399531	6.77889944	6.90956726	7.42797354	4272	6254	8267
6575	NM_001257180,NM_001257181	SLC20A2	solute carrier family 20 member 2	-1.306856001	1.573354227	11.415606	8.74368	16.875826	5.50449776	5.12809029	6.14674672	1743	1792	3373
5083	NM_006194	PAX9	paired box 9	-1.225709069	1.573159346	0.653883	0.536113	0.968878	1.57857476	1.38978355	2.04513029	78	85	151
22809	NM_001193646,NM_001290746	ATF5	activating transcription factor 5	1.698820872	1.572990037	6.702618	11.542604	9.793232	3.87558202	4.59921966	4.49294082	537	1219	1039
147686	NM_001317027,NM_001317028	ZNF418	zinc finger protein 418	1.654619756	1.572838527	0.310049	0.51445	0.461055	1.13562816	1.57657016	1.52834475	47	104	91
55254	NM_018266,NR_073506	TMEM39A	transmembrane protein 39A	1.137712477	1.572779553	7.797745	8.886525	11.534207	5.25984392	5.44142749	5.89942163	1465	2227	2834
64764	NM_001253775,NM_001318246	CREB3L2	cAMP responsive element bindin	-1.904268234	1.572343572	4.770415	2.661544	7.912355	5.11042377	4.2183652	5.74810174	1317	924	2547
4043	NM_002337,NR_110005	LRPAP1	LDL receptor related protein ass	1.165806898	1.572297287	12.42057	14.497278	18.352997	7.00486037	7.22459506	7.65365157	5003	7793	9675
147912	NM_175875	SIX5	SIX homeobox 5	-1.076684572	1.572223916	3.680437	3.420587	5.441249	3.69442889	3.59633059	4.30621424	469	582	907
147798	NM_001145303,NM_144686	TMC4	transmembrane channel like 4	-1.074191146	1.572211831	40.056613	37.318209	59.145144	6.60143639	6.49928452	7.24882993	3773	4693	7296
84859	NM_032773	LRCH3	leucine rich repeats and calponin	1.239547432	1.572179049	6.16313	7.651462	9.117424	3.89300127	4.18397654	4.5100879	544	901	1052
9762	NM_001282533	LZTS3	leucine zipper tumor suppressor	-1.574581606	1.571937192	7.283182	4.630235	10.758651	4.91111656	4.28336529	5.54615829	1142	969	2208
85315	NM_133367	PAQR8	progestin and adipoQ receptor fa	-1.097130082	1.571613595	1.241263	1.13342	1.835057	2.75082071	2.63769986	3.32316088	225	274	435
55101	NM_001167867,NM_001167868	ATP5SL	ATP5S like	-1.022954836	1.571282474	22.031407	21.620804	32.196916	5.13049438	5.09869445	5.76742788	1336	1745	2582
27173	NM_001271957,NM_001271958	SLC39A1	solute carrier family 39 member 1	-1.075866052	1.57113821	51.222292	47.863488	76.576535	6.78524352	6.68073434	7.43230451	4291	5329	8292
284439	NM_001321544,NM_178526	SLC25A42	solute carrier family 25 member 4	1.240869451	1.570817729	2.473311	3.080569	3.670475	3.15316384	3.43277448	3.74468587	310	514	599
3930	NM_002296,NM_194442	LBR	lamin B receptor	1.143102768	1.570354154	30.541451	34.998665	45.077789	6.84175964	7.03314362	7.48828722	4464	6818	8622
51727	NM_001136140,NM_016308,NR	CMPK1	cytidine/uridine monophosphate k	-1.153098559	1.569450799	38.293239	33.341643	56.571523	6.78090585	6.57739174	7.4264112	4278	4957	8259
4585	NM_001322468,NM_004532,NM	MUC4	mucin 4, cell surface associated	-1.905174565	1.569370083	15.16279	8.290171	21.973115	7.81716158	6.89300145	8.46503112	8815	6182	17015
11156	NM_007079,NM_032611	PTP4A3	protein tyrosine phosphatase typ	1.121156758	1.569349889	2.431545	2.736248	3.604268	2.92543304	3.06980877	3.5052118	259	388	500
10787	NM_013436,NM_205842	NCKAP1	NCK associated protein 1	1.289412712	1.568441883	36.540179	47.176876	53.864867	7.48231431	7.84722131	8.12872769	6981	12027	13467
283820	NM_001004060,NM_173614	NOMO2	NODAL modulator 2	1.271110405	1.568419738	22.704007	28.943136	33.392644	6.56580548	6.90865191	7.20960321	3680	6250	7099
983	NM_001170406,NM_001170407	CDK1	cyclin dependent kinase 1	-1.472900677	1.568248016	90.139139	61.648388	133.659757	7.38783779	6.83323448	8.03387577	6536	5929	12607
5480	NM_000943	PPIC	peptidylprolyl isomerase C	1.047198228	1.568124429	36.523117	38.28923	53.822094	5.49067064	5.55576227	6.12807238	1726	2415	3329
4660	NM_001167857,NM_001167858	PPP1R12B	protein phosphatase 1 regulatory	1.439540736	1.568023841	4.587717	7.119317	7.137258	5.65063969	6.16747684	6.28917599	1933	3718	3728
79944	NM_024884	L2HGDH	L-2-hydroxyglutarate dehydroger	1.071067739	1.567900583	4.137995	4.441212	6.101537	4.67692288	4.77223569	5.30524173	965	1381	1861
50809	NM_016287	HP1BP3	heterochromatin protein 1 binding	1.085454609	1.567418372	49.733868	54.049271	73.260284	7.57657587	7.69428177	8.22223542	7455	10812	14372
4059	NM_001013257,NM_005581	BCAM	basal cell adhesion molecule (Lu	-1.449286889	1.56713722	60.749038	42.031283	87.648773	7.48457309	6.95283475	8.12979475	6992	6446	13477
554282	NM_001287385,NM_001287385	FAM72C	family with sequence similarity 72	-1.459410793	1.566721948	19.543103	13.165888	29.773419	5.34999754	4.82072735	5.98493142	1562	1430	3010
59269	NM_001127714,NM_024503,NR	HIVEP3	human immunodeficiency virus ty	-1.362220073	1.566212055	3.109312	2.455535	3.572361	2.92543304	2.54649137	3.50257812	259	254	499
9185	NM_001080975,NM_004726	REPS2	RALBP1 associated Eps domain	1.064389063	1.565406271	0.442269	0.47278	0.649737	2.15010456	2.2203867	2.67455554	135	192	260
56650	NM_001040181,NM_001040182	CLDND1	claudin domain containing 1	1.963565118	1.564613337	51.190712	100.379888	75.146023	6.77889944	7.74593108	7.41997042	4272	11208	8221
5152	NM_001001567,NM_001001568	PDE9A	phosphodiesterase 9A	1.791261038	1.564523437	8.643086	15.591843	12.385255	4.12971807	4.9339228	4.74547971	648	1551	1247
1832	NM_001008844,NM_001319034	DSP	desmoplakin	-1.074200565	1.564509564	12.399144	11.738105	17.574039	6.75868036	6.65640254	7.39995928	4212	5239	8105
11236	NM_007218	RNF139	ring finger protein 139	1.225319493	1.56425692	19.108465	23.443634	28.096991	5.96901418	6.25794232	6.60618362	2420	3962	4656
1785	NM_001005360,NM_001005361	DNM2	dynamin 2	1.114876264	1.564230663	30.601352	34.161073	44.980253	6.78324314	6.93878015	7.42397753	4285	6383	8244
23521	NM_001270491,NM_012423,NR	RPL13A	ribosomal protein L13a	-1.910305959	1.564148755	550.522691	288.64439	807.652976	9.30103568	8.36930675	9.94559063	24726	17294	47568
9208	NM_001137550,NM_001137551	LRRFIP1	LRR binding FLII interacting prote	1.377400096	1.563854953	28.694404	38.512128	41.44745	6.8346943	7.29318415	7.47524966	4442	8175	8544
51253	NM_001330602,NM_016491	MRPL37	mitochondrial ribosomal protein L	1.376799033	1.563559076	31.759747	43.900356	46.82743	5.55617688	6.00910191	6.1899483	1808	3326	3477
80217	NM_025145	CFAP43	cilia and flagella associated prote	1.605348765	1.563535869	0.130862	0.21053	0.18993	0.7550755	1.07428646	1.05442063	27	58	52
338761	NM_001008223	C1QL4	complement C1q like 4	1.068667182	1.563514166	0.172849	0.189846	0.260294	0.43999062	0.46599441	0.64076093	14	20	27
100421577	NM_038275	FAM21EP	family with sequence similarity 21	1.174775307	1.563514166	0.158703	0.193471	0.244902	0.43999062	0.50527715	0.64076093	14	22	27
4641	NM_001080779,NM_001080950	MYO1C	myosin IC	-1.052611738	1.563348457	28.947272	27.23952	42.056594	7.09792936	7.02450843	7.73877965	5339	6777	10266
388730	NM_203376	TMEM81	transmembrane protein 81	-1.031834337	1.563154713	3.054599	2.971889	4.500673	2.3142594	2.278228	2.85055786	156	202	300
170688	NR_104005	NUDT4P2	nudix hydrolase 4 pseudogene 2	1.448836667	1.562985058	0.006748	0.007336	0.009771	0.03628685	0.05398282	0.0585501	1	2	2
100616122	NR_039749	MIR4523	microRNA 4523	-1.294074149	1.562985058	0.247761	0.137134	0.338444	0.03628685	0.02724389	0.0585501	1	1	2
646862	NM_001195135	RNF225	ring finger protein 225	3.477086927	1.562985058	0.008111	0.085472	0.04038	0.03628685	0.13134883	0.0585501	1	5	2
106635683	NR_132980_chr5,NR_132980_c	SNORD141A	small nucleolar RNA, C/D box 14	1.448836667	1.562985058	0.129774	0.315224	0.316373	0.03628685	0.05398282	0.0585501	1	2	2
102466983	NR_106824	MIR6766	microRNA 6766	4.153170347	1.562985058	0.194267	1.609209	0.552481	0.03628685	0.15624221	0.0585501	1	6	2
692229	NR_004381	SNORD105	small nucleolar RNA, C/D box 10	2.124920087	1.562985058	0.274259	0.621041	0.265424	0.03628685	0.08023518	0.0585501	1	3	2
100129396	NM_001348162	FAM106CP	family with sequence similarity 10	2.801003507	1.562985058	0.014799	0.037145	0.018939	0.03628685	0.10601836	0.0585501	1	4	2
100302274	NR_031589	MIR1178	microRNA 1178	-1.294074149	1.562985058	0.034525	0.021655	0.254352	0.03628685	0.02724389	0.0585501	1	1	2
100422846	NR_036122	MIR3164	microRNA 3164	2.124920087	1.562985058	0.280868	0.696801	0.252744	0.03628685	0.08023518	0.0585501	1	3	2
26810	NR_002751	SNORD41	small nucleolar RNA, C/D box 41	-1.294074149	1.562985058	0.351531	0.193935	0.314982	0.03628685	0.02724389	0.0585501	1	1	2
693215	NR_030359	MIR630	microRNA 630	-1.294074149	1.562985058	0.234989	0.030012	0.212185	0.03628685	0.02724389	0.0585501	1	1	2
728419	NM_001256867,NM_001256867	USP17L30	ubiquitin specific peptidase 17-lik	-1.294074149	1.562985058	0.008927	0.002461	0.018821	0.03628685	0.02724389	0.0585501	1	1	2
100302133	NR_031619	MIR1287	microRNA 1287	1.448836667	1.562985058	0.286186	0.23565	0.265909	0.03628685	0.05398282	0.0585501	1	2	2
100616480	NR_039697	MIR4479	microRNA 4479	2.124920087	1.562985058	0.259023	0.653296	0.359571	0.03628685	0.08023518	0.0585501	1	3	2
102465528	NR_106937	MIR6877	microRNA 6877	2.801003507	1.562985058	0.21855	1.16142	0.470021	0.03628685	0.10601836	0.0585501	1	4	2
406902	NR_029608	MIR10A	microRNA 10a	1.448836667	1.562985058	0.098899	0.282291	0.26627	0.03628685	0.05398282	0.0585501	1	2	2
407007	NR_029636	MIR222	microRNA 222	1.448836667	1.562985058	0.04945	0.224069	0.250078	0.03628685	0.05398282	0.0585501	1	2	2
442903	NR_029895	MIR331	microRNA 331	-1.294074149	1.562985058	0.090933	0.078456	0.305277	0.03628685	0.02724389	0.0585501	1	1	2
100422875	NR_036160	MIR3192	microRNA 3192	2.124920087	1.562985058	0.259023	0.564583	0.43693	0.03628685	0.08023518	0.0585501	1	3	2
100616115	NR_039679	MIR4469	microRNA 4469	-1.294074149	1.562985058	0.22077	0.014668	0.32376	0.03628685	0.02724389	0.0585501	1	1	2
100616417	NR_039949	MIR4786	microRNA 4786	2.801003507	1.562985058	0.20398	0.778728	0.460126	0.03628685	0.10601836	0.0585501	1	4	2
102465428	NR_106774	MIR6717	microRNA 6717	-1.294074149	1.562985058	0.215858	0.241827	0.384526	0.03628685	0.02724389	0.0585501	1	1	2
102465513	NR_106911	MIR6852	microRNA 6852	-1.294074149	1.562985058	0.023329	0.150051	0.326869	0.03628685	0.02724389	0.0585501	1	1	2
102466204	NR_106940	MIR6880	microRNA 6880	-1.294074149	1.562985058	0.317511	0.194075	0.395807	0.03628685	0.02724389	0.0585501	1	1	2
171586	NM_001308256,NM_001308257	ABHD3	abhydrolase domain containing 3	1.209411918	1.562858651	20.711306	25.022256	30.933167	5.30979981	5.57781111	5.94086581	1518	2453	2918
26091	NM_001278185,NM_001278186	HERC4	HECT and RLD domain containir	-1.13734759	1.562777271	23.112755	19.817934	32.290841	6.50196181	6.31846728	7.14034671	3519	4134	6764
7094	NM_006289	TLN1	talin 1	1.185037159	1.562715641	8.276076	9.820278	12.157132	6.10815615	6.34982807	6.74468245	2669	4226	5130
9403	NM_004261,NM_203341,NR_14	SELENOF	selenoprotein F	1.207199658	1.562498899	16.131023	19.204309	23.352176	4.80994515	5.07277886	5.4352184	1062	1713	2041
1183	NM_001256944,NM_001830	CLCN4	chloride voltage-gated channel 4	1.176965463	1.56234014	0.395784	0.467205	0.580279	1.8573935	2.03149389	2.35062252	103	162	198
8434	NM_001316345,NM_001316346	RECK	reversion inducing cysteine rich p	1.662400033	1.562164239	1.187467	1.655089	1.909034	1.7191395	2.26684378	2.19620105	90	200	173
55105	NM_001297754,NM_018040	GPATCH2	G-patch domain containing 2	1.803463371	1.562020737	3.584543	6.575872	5.627041	4.04765842	4.85913858	4.65942844	610	1470	1172
64793	NM_001281517,NM_001281518	CEP85	centrosomal protein 85	1.065987199	1.561938897	11.482286	12.253459	16.925994	5.49963272	5.58985296	6.13148574	1737	2474	3337
858	NM_001206747,NM_001206748	CAV2	caveolin 2	-1.573732438	1.561764932	58.860012	37.251861	85.851698	7.46577956	6.81625129	8.10602674	6901	5859	13256
54951	NM_001329668,NM_017845	COMMD8	COMM domain containing 8	1.487189538	1.561643785	6.886131	10.264303	10.121358	3.45742019	3.98645018	4.05259921	392	779	753
414919	NM_001001795	C8orf82	chromosome 8 open reading fran	-1.057265191	1.561634119	6.157605	5.827625	9.034415	3.65413237	3.58032478	4.25549579	455	575	874
54928	NM_017813	IMPAD1	inositol monophosphatase domai	1.313053213	1.561350745	11.268482	14.813913	16.53791	6.32809147	6.716741	6.96443417	3115	5465	5982
22888	NM_001267594,NM_014948,NM	UBOX5	U-box domain containing 5	1.285571398	1.560636307	3.239985	4.160662	4.778927	3.87056622	4.21095882	4.4769298	535	919	1027
3295	NM_000414,NM_001199291,NM	HSD17B4	hydroxysteroid 17-beta dehydrog	1.046110829	1.56045344	55.739392	58.464233	79.111861	7.20042592	7.26503037	7.83887203	5735	8016	11007
154810	NM_001301007,NM_130847	AMOTL1	angiomotin like 1	-1.288011025	1.560291951	2.334276	1.845359	3.44164	4.42483953	4.07885924	5.04240188	804	834	1543
9782	NM_001194954,NM_001194955	MATR3	matrin 3	1.388544693	1.559974131	48.486319	68.178367	71.169114	7.93100523	8.40292822	8.5704098	9542	17703	18308
5095	NM_000282,NM_001127692,NM	PCCA	propionyl-CoA carboxylase alpha	1.338399539	1.559933111	3.567491	4.839285	5.195359	3.29094516	3.67379966	3.87868233	345	617	662
90231	NM_138346	KIAA2013	KIAA2013	1.377760343	1.559810568	21.484188	29.641911	31.494122	5.9085127	6.36425528	6.5412625	2319	4269	4449
51527	NM_001271904,NM_001271905	GSKIP	GSK3B interacting protein	1.076318324	1.559790237	7.077731	7.256727	10.360149	4.05651939	4.15647998	4.66650461	614	883	1178

79098	NM_001083924,NM_023938	C1orf116	chromosome 1 open reading fran	-1.223382279	1.559134129	37.289818	30.432337	54.460213	7.6339421	7.34468396	8.27208752	7759	8474	14879
140735	NM_080677	DYNLL2	dynein light chain LC8-type 2	1.390825812	1.558802715	41.131653	57.269531	60.244797	5.95308737	6.42248839	6.58517742	2393	4447	4588
55204	NM_018178	GOLPH3L	golgi phosphoprotein 3 like	1.089034255	1.558762939	8.173627	8.909876	11.970673	4.71379852	4.83235848	5.33441396	991	1442	1900
353500	NM_181809	BMP8A	bone morphogenetic protein 8a	-8.172047514	1.558740896	0.057067	0.005192	0.087326	0.41264541	0.05398282	0.60191771	13	2	25
64122	NM_022158	FN3K	fructosamine 3 kinase	-2.14561122	1.558368954	4.383229	2.050523	6.44036	2.83562844	1.94842076	3.40158951	241	150	462
727956	NR_003265	SDHAP2	succinate dehydrogenase compl	1.173853078	1.558305158	16.760038	19.698402	24.544867	5.27035534	5.49607553	5.89691676	1476	2315	2829
8505	NM_001303486,NM_001303487	PARG	poly(ADP-ribose) glycohydrolase	-1.170751407	1.558202702	2.605181	2.222818	4.619134	3.58538547	3.37827344	4.18168353	432	493	828
11118	NM_001197246,NM_001197247	BTN3A2	butyrophilin subfamily 3 member	-1.025947199	1.558169273	5.204263	4.758048	7.410628	4.29420754	4.25915261	4.90755118	731	952	1401
92305	NM_001127266,NM_138385	TMEM129	transmembrane protein 129	-1.139396662	1.557366461	25.578941	22.646878	37.399528	6.15428841	5.96883147	6.78615005	2757	3233	5281
2783	NM_005273	GNB2	G protein subunit beta 2	-1.104052325	1.55725324	70.003403	63.469669	102.448936	6.8382313	6.69673052	7.47272887	4453	5389	8529
25853	NM_015397	DCAF12	DDB1 and CUL4 associated fact	1.208021422	1.5572251	5.551941	6.718122	8.13386	4.38318339	4.64390751	4.99727909	780	1259	1494
84222	NR_026815	TMEM191A	transmembrane protein 191A (ps	1.968473379	1.556977065	1.268409	2.499708	1.849572	1.77389308	2.52753672	2.2537152	95	250	182
84919	NM_032833	PPP1R15B	protein phosphatase 1 regulatory	1.276033766	1.556573901	23.657404	30.224215	34.611057	6.93720463	7.28632919	7.57137519	4772	8136	9136
54892	NM_001281932,NM_001281933	NCAPG2	non-SMC condensin II complex s	-1.182221629	1.55650889	14.938727	12.84765	22.26709	5.99575025	5.75835243	6.62598114	2466	2787	4721
100505783	NR_038337,NR_038338,NR_03	OSER1-AS1	OSER1 antisense RNA 1 (head t	-1.264207074	1.556480621	1.722825	1.362096	2.509155	1.88750088	1.64851465	2.37961802	106	112	203
54868	NM_001321264,NM_017728	TMEM104	transmembrane protein 104	1.051655719	1.556285842	7.522047	7.887743	10.331084	4.79281331	4.86292405	5.41224936	1049	1474	2008
5586	NM_001320707,NM_001320708	PKN2	protein kinase N2	-1.185981536	1.556279022	18.369669	15.453343	27.091548	6.79520403	6.55152982	7.42866737	4321	4868	8271
23060	NM_015042	ZNF609	zinc finger protein 609	1.206414687	1.55600087	5.950815	7.190318	8.704923	5.67097747	5.93686357	6.29869553	1961	3161	3753
9218	NM_003574,NM_194434	VAPA	VAMP associated protein A	1.153394017	1.555802144	30.952838	35.647331	45.352614	7.70328922	7.90825626	8.3384798	8143	12549	15582
5573	NM_001276289,NM_001276290	PRKAR1A	protein kinase cAMP-dependent	1.00796288	1.555694614	63.877422	61.709998	100.107156	7.9700726	7.98146978	8.60558069	9805	13205	18761
285367	NM_001142547,NM_001351736	RPUSD3	RNA pseudouridylate synthase d	1.084880242	1.555629705	6.945788	7.562812	10.156264	3.29843463	3.40448323	3.88273891	347	503	664
102238594	NR_108100	SPACA6P-AS	SPACA6P antisense RNA	1.034989251	1.555580737	0.304902	0.31992	0.45295	1.13562816	1.16293478	1.51794971	47	65	90
7572	NM_001308123,NM_006965	ZNF24	zinc finger protein 24	1.071517102	1.555254396	11.585047	12.594866	17.607201	5.92251507	6.02058584	6.55117294	2342	3353	4480
4213	NR_002211	MEIS3P1	Meis homeobox 3 pseudogene 1	1.408818984	1.555131135	2.102472	2.97127	3.074366	2.77786255	3.21015128	3.33801005	230	433	440
56892	NM_020130	C8orf4	chromosome 8 open reading fran	-2.148081618	1.554938545	0.81393	0.382142	1.204729	1.30878272	0.75384785	1.72191206	58	36	111
57547	NM_020787	ZNF624	zinc finger protein 624	1.190809431	1.554860807	0.708663	0.840689	1.035637	1.97422731	2.16626946	2.47405896	115	183	220
55607	NM_001166160,NM_001166161	PPP1R9A	protein phosphatase 1 regulatory	-1.646537171	1.554761773	2.533541	1.517939	3.6154	4.6997269	4.01565009	5.31653173	981	796	1876
5333	NM_001130964,NM_006225,NR	PLCD1	phospholipase C delta 1	-1.358372336	1.554454034	3.123983	2.331651	4.766833	3.36057263	2.96803853	3.94613924	364	358	696
91452	NM_001042473,NM_001271512	ACBD5	acyl-CoA binding domain contain	-1.324574009	1.553996419	7.366508	5.675083	10.946449	4.92206677	4.53185994	5.54103391	1161	1161	2200
7465	NM_001143976,NM_003390	WEE1	WEE1 G2 checkpoint kinase	-1.159775398	1.553704142	18.49029	15.801533	26.819008	5.92614562	5.71607575	6.55340139	2348	2705	4487
128869	NM_080476	PIGU	phosphatidylinositol glycan anch	1.237309469	1.553556629	28.655216	35.49382	41.836689	5.7037794	6.00568164	6.32948591	2007	3318	3835
55845	NM_018462	BRK1	BRICK1, SCAR/WAVE actin nucl	1.332068462	1.55323342	23.838663	31.786617	34.797882	4.82298643	5.22392723	5.44004397	1072	1908	2048
8412	NM_001261408,NM_001261409	BCAR3	breast cancer anti-estrogen resis	1.214344619	1.553046374	25.105773	30.381656	36.662672	6.28774036	6.56466401	6.91626923	3028	4913	5784
51646	NM_001127399,NM_001127400	YPEL5	yippee like 5	1.142319701	1.552904108	22.422704	25.402003	32.603171	5.68318697	5.87166058	6.30815266	1978	3019	3778
9415	NM_001281501,NM_001281502	FADS2	fatty acid desaturase 2	-1.190694084	1.552885998	1.035472	0.891513	1.520195	2.04717061	1.86027027	2.55254608	123	138	235
334	NM_001142276,NM_001142277	APLP2	amyloid beta precursor like prote	-1.437311494	1.552652897	247.52874	173.287324	364.236616	9.80863184	9.28596051	10.4427961	35169	32693	67161
54768	NM_001198542,NM_001198543	HYDIN	HYDIN, axonemal central pair ap	2.896559199	1.552402078	0.096206	0.302728	0.14153	1.27880673	2.36086138	1.6852207	56	217	107
4318	NM_004994	MMP9	matrix metallopeptidase 9	1.909442895	1.552402078	0.618949	1.195774	0.914542	1.27880673	1.89765633	1.6852207	56	143	107
8450	NM_001079872,NM_001330624	CUL4B	cullin 4B	1.039377621	1.552192751	13.148906	13.611325	19.291121	6.05719254	6.11209361	6.68379406	2575	3576	4916
64065	NM_022121	PERP	PERP, TP53 apoptosis effector	-1.087023461	1.552099095	44.634724	41.103752	65.100258	7.55426599	7.4345489	8.18576158	7340	9022	14012
79887	NM_024829	PLBD1	phospholipase B domain contain	-2.303451696	1.551964654	26.146597	11.362655	38.133163	5.64917596	4.48227194	6.27304039	1931	1120	3686
79583	NM_001077416,NM_001077418	TMEM231	transmembrane protein 231	1.053335925	1.55180126	3.029411	3.286211	4.561852	3.31329794	3.38091595	3.89484064	351	494	670
64175	NM_001146289,NM_001243246	P3H1	prolyl 3-hydroxylase 1	1.357296249	1.551318423	7.035275	9.652189	10.383322	4.33118941	4.75298538	4.93905904	751	1362	1433
79694	NM_024641	MANEA	mannosidase endo-alpha	1.242297467	1.551054007	1.415559	1.760512	2.064912	2.88122939	3.15564136	3.44338646	250	415	477
23608	NM_001145125,NM_001291663	MKRN1	makorin ring finger protein 1	-1.377884795	1.550976738	31.221301	22.899693	49.400348	6.50601062	6.04952495	7.13355384	3529	3422	6732
8487	NM_001009182,NM_001009183	GEMIN2	gem nuclear organelle associate	1.229021338	1.550958185	10.447261	12.678167	15.185818	3.86048198	4.13941485	4.45852288	531	872	1013
8660	NM_003749	IRS2	insulin receptor substrate 2	2.169148553	1.550871091	2.061299	4.478905	3.007609	3.91265481	4.97734988	4.5113985	552	1600	1053
11247	NM_007224	NXPH4	neurexophilin 4	1.037511071	1.550784702	0.626737	0.660007	0.928523	1.08456011	1.11294744	1.45395569	44	61	84
65243	NM_023070	ZFP69B	ZFP69 zinc finger protein B	1.902180209	1.550318491	0.415178	0.803167	0.618948	0.88013425	1.37924953	1.20457043	33	84	63
65982	NM_001145542,NM_001145543	ZSCAN18	zinc finger and SCAN domain co	-1.570955097	1.549923922	8.643879	5.518985	12.79244	4.54304361	3.92621521	5.15317881	876	745	1670
54904	NM_017778,NM_023034	NSD3	nuclear receptor binding SET dor	-1.013884599	1.549749527	7.506371	7.414696	10.291154	5.0573361	5.03804247	5.67396328	1268	1671	2417
1398	NM_005206,NM_016823	CRK	CRK proto-oncogene, adaptor pr	1.248547897	1.549747615	8.877753	10.964256	12.802072	4.8007456	5.11068396	5.41435263	1055	1760	2011
57082	NM_144508,NM_170589	KNL1	kinetochore scaffold 1	-1.181151967	1.549739177	3.406809	2.884318	4.963559	4.71379852	4.48350191	5.32624544	991	1121	1889
200058	NR_026900	FLJ23867	uncharacterized protein FLJ2386	1.692409605	1.549676882	34.537273	58.522446	50.298462	6.52887435	7.2815643	7.15530516	3586	8109	6835
26140	NM_001025930,NR_037162	TTLL3	tubulin tyrosine ligase like 3	-1.022363278	1.549590521	3.225544	3.116947	4.652966	3.72253824	3.69306567	4.31524723	479	626	913
84627	NM_001127464	ZNF469	zinc finger protein 469	2.99174577	1.549539952	0.21041	0.634772	0.308525	1.89739865	3.19521507	2.38534784	107	428	204
63971	NM_001105566,NM_001105567	KIF13A	kinesin family member 13A	-1.258085234	1.549529482	1.901539	1.487721	2.691074	3.6915876	3.38881456	4.28338119	468	497	892
145249	NR_104113	LINC00618	long intergenic non-protein codin	1.088202878	1.549388432	1.524717	1.711197	2.292612	0.64188297	0.68708806	0.90287695	22	32	42
84342	NM_032382	COG8	component of oligomeric golgi co	1.333188573	1.549310371	9.108783	12.154842	13.262075	4.53196733	4.93122105	5.1413761	869	1548	1656
51060	NM_015913,NR_046405,NR_04	TXNDC12	thioredoxin domain containing 12	1.161135447	1.54920032	32.907529	38.201459	47.914586	6.28114034	6.49410697	6.90609151	3014	4676	5743
10073	NM_001042581,NM_001042588	SNUPN	snurportin 1	1.134602426	1.549121245	10.430004	11.921718	15.181885	4.27155466	4.44467678	4.85845737	719	1090	1370
656	NM_001720	BMP8B	bone morphogenetic protein 8b	-1.248212407	1.549037697	0.228662	0.18397	0.33802	1.06712766	0.90836632	1.43197761	43	46	82
145864	NM_001307952,NM_178232	HAPLN3	hyaluronan and proteoglycan link	1.63453334	1.549037697	0.518289	0.867212	0.768887	1.06712766	1.48128072	1.43197761	43	94	82
2770	NM_001256414,NM_002069	GNAI1	G protein subunit alpha i1	1.226580442	1.548762536	1.325715	1.630573	1.93479	2.40724866	2.65089709	2.93892502	169	277	322
51804	NM_017420	SIX4	SIX homeobox 4	1.24756188	1.548680605	5.43161	6.781925	7.903198	5.09545415	5.4061905	5.7115087	1303	2172	2482
11043	NM_012216,NM_052817	MID2	midline 2	-1.084133485	1.548588155	1.014885	0.938679	1.478287	3.04155747	2.93964205	3.60925088	284	350	541
10868	NM_001008563,NM_001110303	USP20	ubiquitin specific peptidase 20	1.068634629	1.548515771	6.835175	7.328324	9.992688	4.93773843	5.03048889	5.55190154	1164	1662	2217
57719	NM_020959	ANO8	anoctamin 8	-1.404613298	1.548510694	5.545091	3.953258	8.074152	4.5509035	4.08535454	5.15988012	881	838	1678
56889	NM_020123	TM9SF3	transmembrane 9 superfamily me	-1.313859511	1.548333181	47.530083	36.215145	69.160904	8.15560596	7.76337766	8.7845342	11156	11345	21245
10114	NM_001048200,NM_001278162	HIPK3	homeodomain interacting protein	-1.259139154	1.547717823	6.309866	4.947589	9.064872	5.56241133	5.23784196	6.18174016	1816	1927	3457
7019	NM_001270782,NM_003201,NR	TFAM	transcription factor A, mitochondr	1.566453129	1.547571338	5.709384	8.915833	8.268775	4.92085417	5.55107715	5.53395803	1150	2407	2189
375513	NR_132999,NR_133000	GUSBP4	glucuronidase, beta pseudogene	-1.002090108	1.547353465	0.708219	0.708013	1.030545	2.15010456	2.14776967	2.66044767	135	180	257
567	NM_004048	B2M	beta-2-microglobulin	-1.196607768	1.546890019	1153.287354	964.860652	1676.470459	10.1139924	9.85670389	10.7443113	43511	48584	82783
84056	NM_001014380,NM_032116	KATNAL1	katanin catalytic subunit A1 like 1	-7.957587764	1.546828461	1.279094	0.159957	1.8675	3.38187998	1.12560759	3.96156336	370	62	704
100462981	NM_001190470	MTRNR2L2	MT-RNR2-like 2	3.378831987	1.546617023	0.262939	0.937875	0.39135	0.35634914	0.96581954	0.52094563	11	50	21
322	NM_001164,NM_001257319,NM	APBB1	amyloid beta precursor protein bi	1.835509817	1.546342294	2.736994	5.325848	4.143728	3.00540462	3.79763131	3.56953804	276	677	525
57409	NM_001242498,NM_001242500	MIF4GD	MIF4G domain containing	-2.318591856	1.546088668	10.163207	4.707409	14.948334	3.8297934	2.74115527	4.42223881	519	299	987
384	NM_001172	ARG2	arginase 2	1.440690805	1.546030382	2.825701	4.078525	2.68948191	3.02802	3.14635273	3.23705705	214	412	407
728192	NR_034119	LINC00460	long intergenic non-protein codin	7.664222357	1.545754813	0.593278	4.62211	0.853494	0.61813834	2.35549733	0.87055986	21	216	40
23637	NM_012197	RABGAP1	RAB GTPase activating protein 1	1.19684401	1.545610781	15.807544	18.941643	22.963095	6.28444412	6.54064029	6.90609151	3021	4831	5743
55217	NM_001184797,NM_018196	TMLHE	trimethyllysine hydroxylase, epsil	1.564544499	1.545314505	3.087953	4.144817	3.639403	3.32067256	3.91349545	3.89684777	353	738	671
4649	NM_006901	MYO9A	myosin IXA	-1.065727618	1.545183173	1.422008	1.335679	2.06559	3.70573844	3.62112921	4.2940816	473	593	899
6397	NM_001039573,NM_001143998	SEC14L1	SEC14 like lipid binding 1	-1.077981028	1.545141754	10.446434	9.183977	13.621864	5.47588426	5.37007127	6.09217385	1708	2117	3246
55527	NM_018708	FEM1A	fem-1 homolog A	1.391138734	1.545102397	5.87996	8.185298	8.53678	4.52400331	4.98257876	5.12947602	864	1606	1642
113146	NM_001350929,NM_138420	AHNAK2	AHNAK nucleoprotein 2	-1.039771725	1.544992698	9.105909	8.767858	13.163907	7.34100929	7.28509536	7.965476	6326	8129	12021
7415	NM_007126	VCP	valosin containing protein	1.093723615	1.543985159	66.384415	72.690903	96.325615	7.9683129	8.09706873	8.59294653	9793	14311	18597
23616	NM_001350055,NM_018957	SH3BP1	SH3 domain binding protein 1	1.490333765	1.543800883	21.191795	30.947533	30.291422	5.8234666	6.39071865	6.44097707	2184	4349	4147
55346	NM_001145541,NM_018393	TCP11L1	t-complex 11 like 1	1.014725448	1.5436549	2.554796	2.507093	3.638978	2.96361946	2.98202989	3.52351414	267	362	507
84270	NM_001318010,NM_001318011	CARD19	caspase recruitment domain fam	1.057448477	1.543623846	41.102336	39.437921	49.478245	5.53810131	5.61700551	6.15347791	1785	2522	3389
118987	NM_173791	PDZD8	PDZ domain containing 8	1.004715783	1.543472504	2.659695	2.67626	3.861166	4.15469105	4.16109929	4.7521471	660	886	1253
55323	NM_001286679,NM_018357,NM	LARP6	La ribonucleoprotein domain fam	1.475394209	1.543236085	13.355197	17.464227	14.339143	3.9320442	4.46244854	4.52443946	560	1104	1063
4853	NM_001200001,NM_024408	NOTCH2	notch 2	1.393511987	1.542674605	9.023349	12.387046	12.796308	6.63399023	7.10861905	7.25431972	3860	7187	7324
55296	NM_001292054,NM_018317	TBC1D19	TBC1 domain family member 19	1.526841936	1.542516795	0.866331	1.251746	1.19864	1.80577475	2.26884378	2.27855908	98	200	186
6617	NM_003082	SNAPC1	small nuclear RNA activating con	1.837379462	1.542443281	12.163612	22.375086	17.628277	5.02044968	5.87775393	5.62999497	1235	3032	2343
55312	NM_018339	RFK	riboflavin kinase	-1.460406893	1.542438992	6.579288	4.507863	9.539365	4.19737984	3.68667221	4.79474986	681	623	1292
80014	NM_024949	WWC2	WW and C2 domain containing 2	1.032400002	1.542377054	3.864943	3.99624	5.603034	5.09437892	5.13905869	5.70465037	1302	1796	2470
201299	NM_001034836,NM_001163120	RDM1	RAD52 motif containing 1	-1.092607483	1.542136172	9.233173	8.571144	12.8117	3.34257292	3.22787299	3.9167669	359	439	681
167227	NM_001242377,NM_152624,NR	DCP2	decapping mRNA 2	-1.139112616	1.542087765	9.129664	8.002573	13.043762	6.49586721	6.31017284	7.1151379	3504	4110	6646
29899	NM_001321038,NM_001321039	GPSM2	G protein signaling modulator 2	1.013746857	1.5418392	13.839214	14.066778	20.185866	5.44416182	5.46341106	6.05715513	1670	2262	3167

55970	NM_018841	GNG12	G protein subunit gamma 12	1.155174326	1.541607333	10.849808	12.549098	15.719714	5.57248519	5.77652864	6.18626042	1829	2823	3468
65992	NM_023935	DDRGK1	DDRGK domain containing 1	1.478844468	1.541497491	58.571133	86.707054	84.845337	6.25106082	6.80940163	6.86874324	2951	5831	5595
79982	NM_001031723,NM_001278310	DNAJB14	DnaJ heat shock protein family (H	1.092678467	1.540925714	9.122206	9.747428	12.31104	5.66157057	5.78702662	6.27535655	1948	2844	3692
1612	NM_001288729,NM_001288730	DAPK1	death associated protein kinase 1	2.081593711	1.540734562	0.49154	1.027581	0.725089	1.97422731	2.8278811	2.46326383	115	320	218
2203	NM_000507,NM_001127628	FBP1	fructose-bisphosphatase 1	-1.203008566	1.540544865	15.014998	12.71373	21.849823	4.60021751	4.34556265	5.20269596	913	1014	1730
55830	NM_001010983,NM_001278280	GLT8D1	glycosyltransferase 8 domain cor	1.05719768	1.540323572	13.98789	14.649128	20.398882	4.97443634	5.05220335	5.58152816	1195	1688	2264
10594	NM_006445	PRPF8	pre-mRNA processing factor 8	1.06849203	1.540189532	23.587772	25.231289	34.140892	7.39702381	7.49205268	8.01713511	6578	9391	12461
29943	NM_013358	PADI1	peptidyl arginine deiminase 1	1.023513068	1.53991	176.476593	180.826126	255.374954	9.37068898	9.40416858	9.99277291	25951	35489	49151
8626	NM_001114978,NM_001114979	TP63	tumor protein p63	14.50592047	1.539905874	0.144433	2.303776	0.214757	0.79797761	3.55480842	1.09694451	29	564	55
100996541	NR_126161	FAM157C	family with sequence similarity 15	1.495042107	1.539905874	0.782861	1.163647	1.125241	0.79797761	1.07428646	1.09694451	29	58	55
399726	NM_001010911	CASC10	cancer susceptibility 10	1.057917735	1.539905874	0.371715	0.40347	0.550187	0.79797761	0.83317479	1.09694451	29	41	55
221981	NM_015204	THSD7A	thrombospondin type 1 domain c	-3.409067286	1.539875773	0.396375	0.115309	0.575594	2.35073722	1.1381576	2.87112187	161	63	305
81579	NM_001258392,NM_001258393	CLPB	ClpB homolog, mitochondrial AA	1.594249441	1.539594159	5.532252	8.79696	7.949113	4.17110273	4.81389896	4.76539014	668	1423	1265
65018	NM_032409	PINK1	PTEN induced putative kinase 1	1.006886102	1.539488845	13.663034	13.777457	19.721978	5.18605837	5.19568855	5.79495514	1390	1870	2632
57020	NM_001300743,NM_020314	C16orf62	chromosome 16 open reading fra	1.791542761	1.539118594	4.395492	7.927586	6.361091	4.14433812	4.94913788	4.73766195	655	1568	1240
9197	NM_001190992,NM_004733	SLC33A1	solute carrier family 33 member	1.297088299	1.539028448	10.471339	14.007359	15.03514	5.21602693	5.58241034	5.8244272	1420	2461	2688
23382	NM_001130720,NM_001130722	AHCYL2	adenosylhomocysteinase like 2	-1.64229159	1.538983362	2.068402	1.260821	2.99612	3.49049124	2.85474367	4.06693155	402	327	761
11045	NM_001281443,NM_007000	UPK1A	uroplakin 1A	1.565658946	1.538756668	0.191237	0.297975	0.269658	0.3273552	0.48576948	0.47868902	10	21	19
9472	NM_004274	AKAP6	A-kinase anchoring protein 6	1.326757516	1.538571314	0.187603	0.250895	0.272579	1.54118428	1.82188956	1.97845985	75	133	142
8613	NM_003713	PLPP3	phospholipid phosphatase 3	1.224512352	1.538250521	0.955283	1.167677	1.382167	2.02927762	2.255369	2.52166171	121	198	229
5329	NM_001005376,NM_001005377	PLAUR	plasminogen activator, urokinase	-1.379312248	1.537898691	66.715	48.260778	95.953974	6.63509978	6.17663089	7.25098912	3863	3742	7307
636	NM_001003398,NM_001714	BICD1	BICD cargo adaptor 1	1.369735372	1.537828075	2.147044	2.866815	2.962582	3.00997359	3.41483526	3.56701931	277	507	524
4690	NM_001190796,NM_001291999	NCK1	NCK adaptor protein 1	1.639389041	1.537508974	5.021233	8.21283	7.276158	4.49333262	5.1813592	5.09142367	845	1851	1598
286480	NR_110506	UBE2E4P	ubiquitin conjugating enzyme E2	2.943400565	1.537346847	0.427197	1.253607	0.606005	0.56944351	1.28081328	0.80366934	19	75	36
100147773	NR_125374	LOC100147773	uncharacterized LOC100147773	1.964133983	1.537346847	0.227185	0.449304	0.334554	0.56944351	0.96581954	0.80366934	19	50	36
196383	NM_145058,NR_130703	RILPL2	Rab interacting lysosomal protein	-1.02214278	1.537098927	4.328923	4.190729	6.239999	3.08117507	3.05333783	3.64073154	293	383	554
2137	NM_001440,NR_073468,NR_07	EXTL3	exostosin like glycosyltransferase	-1.023639403	1.537030753	3.915939	3.831153	5.662072	4.65521171	4.62285328	5.25527094	950	1240	1796
6235	NM_001030001,NM_001032,NM	RPS29	ribosomal protein S29	1.257950689	1.536904863	431.564107	542.886051	593.281227	7.23620668	7.56532392	7.85289744	5880	9883	11115
200312	NM_001017981	RNF215	ring finger protein 215	1.459972846	1.536896043	29.683578	43.272503	42.873703	5.82021839	6.35420502	6.43131602	2179	4239	4119
55007	NM_001104595,NM_001349913	FAM118A	family with sequence similarity 1	1.124036664	1.536702743	7.031946	8.009846	9.749624	4.41969781	4.5809496	5.01586734	801	1203	1514
7341	NM_001005781,NM_001005782	SUMO1	small ubiquitin-like modifier 1	3.742895837	1.536595809	31.805427	107.618415	44.64032	5.43824136	7.3178716	6.04634597	1663	8317	3143
10095	NM_005720	ARPC1B	actin related protein 2/3 complex	-1.290365679	1.536451606	74.698479	57.952816	107.856834	6.81198066	6.44791403	7.42710578	4372	4527	8262
5896	NM_000448	RAG1	recombination activating 1	-1.395569725	1.536419351	0.182694	0.129895	0.264222	1.11880553	0.8787583	1.4863075	46	44	87
7568	NM_001203250,NM_021143	ZNF20	zinc finger protein 20	1.005768557	1.536316334	3.255635	3.280079	4.702819	3.42014445	3.42767171	3.99192552	381	512	720
3109	NM_002118	HLA-DMB	major histocompatibility complex,	1.577392843	1.536312136	1.019217	1.615397	1.48534	1.26358189	1.68318474	1.65707652	55	116	104
79729	NM_001162530,NM_024676	SH3D21	SH3 domain containing 21	1.8336333	1.536219313	4.957315	9.481626	7.329501	3.67442132	4.49696276	4.25393069	462	1132	873
57678	NM_001244949,NM_020918	GPAM	glycerol-3-phosphate acyltransfe	-4.80648861	1.536191874	1.150312	0.237163	1.658791	3.0281061	1.31437719	3.58455875	281	78	531
9455	NM_004839,NM_199330	HOMER2	homer scaffolding protein 2	1.119574578	1.535600089	4.911573	5.503815	7.08867	3.37835054	3.52644784	3.9480763	369	552	697
23542	NM_012324	MAPK8IP2	mitogen-activated protein kinase	1.419722487	1.535249934	0.904739	1.282618	1.303236	1.9928118	2.38738651	2.47942639	117	222	221
53635	NM_001305105,NM_001305108	PTOV1	prostate tumor overexpressed 1	1.033764219	1.535232059	52.824468	54.753304	76.573103	6.43048263	6.47784488	7.04311286	3347	4623	6320
84989	NR_027182	JMJD1C-AS1	JMJD1C antisense RNA 1	-1.518180238	1.535207238	2.098976	1.386897	3.055786	1.90722898	1.49109792	2.38534784	108	95	204
23624	NM_001130852,NM_012116	CBLC	Cbl proto-oncogene C	-1.34865896	1.535201999	34.238707	25.568503	49.050307	5.7268601	5.30477538	6.33578786	2040	2021	3852
6487	NM_001270459,NM_001270460	ST3GAL3	ST3 beta-galactoside alpha-2,3-s	2.002301693	1.535156788	0.966038	2.195732	1.611985	1.81624731	2.597368	2.28470378	99	265	187
55640	NM_001195283,NM_017791	FLVCR2	feline leukemia virus subgroup C	-1.04149748	1.535156788	0.704266	0.680751	1.018989	1.81624731	1.77444288	2.28470378	99	127	187
730755	NM_001165252	KRTAP2-3	keratin associated protein 2-3	-1.226720353	1.53509626	2.761579	2.239849	3.977965	1.71991395	1.52015496	2.1750986	90	98	170
23294	NM_015245	ANKS1A	ankyrin repeat and sterile alpha r	1.184790356	1.535089741	2.578602	3.058606	3.718163	4.30210799	4.08278037	4.67120285	626	991	1182
23233	NM_001321729,NM_001321730	EXOC6B	exocyst complex component 6B	1.594709929	1.534838472	3.30398	5.279707	4.799668	4.32753359	4.9738534	4.92043435	749	1596	1414
26130	NM_001282679,NM_001282680	GAPVD1	GTPase activating protein and VI	1.166486515	1.534650986	10.175172	12.770396	15.496849	6.26450698	6.48400307	6.87588368	2979	4643	5623
647121	NR_003955	EMBP1	embigin pseudogene 1	1.101608519	1.534560665	0.770425	0.848214	1.111822	2.0648444	2.17238371	2.5576298	125	184	236
84447	NM_032431,NM_172230	SYVN1	synoviolin 1	1.12164333	1.534182278	28.756377	32.285493	41.465115	6.43303663	6.59684362	7.04469779	3353	5025	6327
51087	NM_015982	YBX2	Y-box binding protein 2	-2.198952917	1.534075013	1.463989	0.664123	2.118994	1.70793493	1.02107213	2.16322937	89	54	168
9516	NM_001136472,NM_001136473	LITAF	lipopolysaccharide induced TNF	-1.065148678	1.533949126	66.415744	62.493019	95.871578	7.33715107	7.24667581	7.95130153	6309	7914	11903
1291	NM_001848	COL6A1	collagen type VI alpha 1 chain	2.33053023	1.533634078	74.534088	173.905991	107.422592	8.26501111	9.48299667	8.8803373	12038	37485	22707
408050	NM_001004067	NOMO3	NODAL modulator 3	1.268481964	1.533516849	16.979977	21.56708	24.472094	6.17732075	6.51620975	6.78723249	2802	4749	5285
2050	NM_004444	EPHB4	EPH receptor B4	-1.350529442	1.533245246	16.322079	12.09751	23.516716	6.13245466	5.70610059	6.74189371	2715	2686	5120
9133	NM_004701	CCNB2	cyclin B2	1.217576407	1.533200156	51.590965	62.888962	74.336823	6.30038432	6.58113081	6.91056862	3055	4970	5761
27074	NM_014398	LAMP3	lysosomal associated membrane	1.060824476	1.53314173	2.601467	2.768349	3.756851	3.24517298	3.3216324	3.80791592	333	472	628
90550	NM_001270679,NM_001270680	MCU	mitochondrial calcium uniporter	-1.625959626	1.533109606	21.249457	13.301455	30.611412	5.98069949	5.29359953	6.58921703	2440	2005	4601
58985	NM_021258	IL22RA1	interleukin 22 receptor subunit al	-1.809425761	1.532664445	2.999484	1.656587	4.322944	3.27204958	2.53229878	3.83538509	340	251	641
440519	NM_045525	ZNF724	zinc finger protein 724	1.039258885	1.532446537	0.790292	0.846347	1.166168	0.54446555	0.56226574	0.76902392	18	25	34
646494	NM_001123040	ARIH2OS	ariadne homolog 2 opposite strar	1.393857744	1.532353236	0.709638	1.000497	1.03579	1.08456011	1.3579479	1.4430085	44	82	83
400673	NM_001017921	VMAC	vimentin-type intermediate filame	1.432056851	1.532329133	1.090997	1.567246	1.577185	1.47662927	1.82964782	1.90057841	70	134	132
114781	NM_001099272,NM_001172418	BTBD9	BTB domain containing 9	1.152286782	1.532299613	0.736082	0.847117	1.084274	2.89117014	3.06980877	3.43788301	252	388	475
55650	NM_001202554,NM_017837	PIGV	phosphatidylinositol glycan ancho	1.159286792	1.531579269	9.538737	10.391939	13.708733	4.54619271	4.750944	5.13968208	878	1360	1654
645958	NR_077247	RPS18P9	ribosomal protein S18 pseudogen	-1.531493358	1.531524271	2.104525	1.37385	3.014507	1.57857476	1.19932051	2.01587867	78	68	147
389072	NM_001080475	PLEKHM3	pleckstrin homology domain cont	1.145970512	1.531463832	0.595168	0.68438	0.85954	2.74535098	2.91432819	3.28382219	224	343	422
6296	NM_005622,NM_202000	ACSM3	acyl-CoA synthetase medium-cha	-1.55260268	1.530765646	3.471879	2.164988	5.122821	2.9541672	2.41858604	3.50257812	265	228	499
1613	NM_001348	DAPK3	death associated protein kinase 3	1.079700488	1.530391418	11.741962	12.692786	16.885071	4.77681668	4.88356843	5.37241474	1037	1496	1952
1397	NM_001270837,NM_001270841	CRIP2	cysteine rich protein 2	1.48108554	1.530152574	27.365983	39.378119	41.414872	5.12523965	5.6784421	5.72456337	1331	2634	2505
5533	NM_001243974,NM_001243975	PPP3CC	protein phosphatase 3 catalytic s	-1.00595756	1.529898841	2.200432	2.186268	3.165597	2.57697339	2.56983975	3.10438964	195	259	367
57549	NM_001135050,NM_020789	IGSF9	immunoglobulin superfamily men	1.28164103	1.529872487	7.104033	9.164023	10.219979	4.85762016	5.20466589	5.45374301	1099	1882	2068
4642	NM_001303279,NM_001303280	MYO1D	myosin ID	-1.209195915	1.529697543	14.422217	11.860432	20.454487	6.24767961	5.97758716	6.85435545	2944	3253	5539
6520	NM_001012662,NM_001012664	SLC3A2	solute carrier family 3 member 2	1.215222268	1.52919465	181.037375	216.976492	258.850378	8.42270981	8.70318727	9.03403037	13433	21811	25265
8363	NM_021968	HIST1H4J	histone cluster 1 H4 family memt	1.655394661	1.529171058	0.652286	1.06796	0.930036	0.29776659	0.46599441	0.43515728	9	20	17
646576	NR_037595	HHIP-AS1	HHIP antisense RNA 1	1.326665894	1.529171058	0.184885	0.263341	0.282858	0.29776659	0.38406669	0.43515728	9	16	17
353189	NM_180991	SLCO4C1	solute carrier organic anion trans	-1.779540991	1.529039054	0.369734	0.206997	0.533038	1.55375576	1.06116576	1.98602166	76	57	143
4957	NM_001242352,NM_001242353	ODF2	outer dense fiber of sperm tails 2	1.275139421	1.52902836	12.441506	15.972782	17.842231	5.59622736	5.94045074	6.19851688	1860	3169	3498
6768	NM_021978	ST14	suppression of tumorigenicity 14	-2.169919937	1.529025819	104.248604	48.093704	149.787613	8.39208155	7.27944151	9.00321197	13150	8097	24730
5034	NM_000918	P4HB	prolyl 4-hydroxylase subunit beta	1.049544851	1.528899645	414.56427	435.590179	595.630859	10.02454571	10.09424432	10.63656155	40853	57289	76822
152006	NM_022781,NM_194328,NM_19	RNF38	ring finger protein 38	-1.099953881	1.52840609	3.747142	3.309122	5.260545	4.25047234	4.12056519	4.83613057	708	860	1331
2026	NM_001975	ENO2	enolase 2	1.264568243	1.528317136	10.957038	13.867291	15.732561	4.74702075	5.0744123	5.34032578	1015	1715	1908
5429	NM_001291969,NM_001291970	POLH	DNA polymerase eta	-1.072121905	1.527635275	1.437741	1.343555	2.066554	3.67729659	3.58491601	4.24922516	463	577	870
9592	NM_004907	IER2	immediate early response 2	1.137348439	1.52760816	73.886009	84.126183	106.074402	7.21137762	7.39587904	7.81929558	5779	8782	10858
1213	NM_001288653,NM_004859	CLTC	clathrin heavy chain	1.080042575	1.527309401	72.236183	78.106461	103.670697	9.23865527	9.34956693	9.84882522	23678	34169	44479
729082	NR_026757	OIP5-AS1	OIP5 antisense RNA 1	1.026446266	1.527277093	11.704836	12.033958	16.804358	4.49821892	4.53423581	5.08703534	848	1163	1593
55143	NM_001256875,NM_018101	CDCA8	cell division cycle associated 8	1.049179248	1.527212088	31.046782	32.666666	44.959678	6.24767961	6.31605299	6.85202968	2944	4127	5530
4288	NM_001145966,NM_002417	MKI67	marker of proliferation Ki-67	-1.090132335	1.527149241	21.292987	19.79731	30.210947	7.98653864	7.86254658	8.59542044	9918	12156	18629
23191	NM_001033028,NM_001287810	CYFIP1	cytoplasmic FMR1 interacting pro	-1.105336988	1.52657521	16.120084	14.351932	23.051948	6.69484709	6.55182299	7.30034791	4028	4869	7563
3142	NM_021958	HLX	H2.0 like homeobox	2.836190909	1.526176095	0.286315	0.810124	0.404321	0.71085839	1.49109792	0.98063768	25	95	47
101926918	NR_135112	GTF2IP12	general transcription factor III pse	1.613990164	1.526176095	0.671959	1.117226	0.983406	0.71085839	1.02107213	0.98063768	25	54	47
10743	NM_030665	RAI1	retinoic acid induced 1	1.239980029	1.526072221	7.024057	8.720689	10.074924	5.73860759	6.0437	6.33911307	2057	3408	3861
9830	NM_014788,NM_033219	TRIM14	tripartite motif containing 14	1.077341564	1.525601383	6.837273	7.376089	9.806314	4.987237	5.09145262	5.5809041	1206	1736	2263
1743	NM_001244883,NM_001933,NR	DLST	dihydrolipoamide S-succinyltrans	1.231789279	1.525531329	45.369341	54.381978	67.051645	6.8363031	7.13468736	7.44127149	4447	7319	8344
84890	NM_032804	ADO	2-aminoethanethiol dioxygenase	-1.19058546	1.52544289	4.711442	3.963434	6.756676	4.1772093	3.94061606	4.75878381	671	753	1259
23530	NM_001331026,NM_012343,NM	NNT	nicotinamide nucleotide transhyd	1.060945104	1.52530536	6.068911	6.107419	8.273875	4.76064069	4.8429386	5.35134557	1025	1453	1923
222236	NM_001122838,NM_198990	NAPEPLD	N-acyl phosphatidylethanolamine	-1.403911225	1.524950654	3.631777	2.583092	5.211624	4.28103662	3.82117143	4.86409893	724	689	1358
23548	NM_012382	TTC33	tetratricopeptide repeat domain 3	1.108909037	1.524782834	0.648121	0.719606	0.930751	2.16656821	2.28388661	2.66044767	137	203	257
4601	NM_001008541,NM_005962,NM	MXI1	MAX interactor 1, dimerization pr	1.360689649	1.524581664	2.898101	4.122902	4.333534	3.43381096	3.84241755	3.99567625	385	700	722
7082	NM_001301025,NM_001301026	TJP1	tight junction protein 1	-1.280145136	1.524486047	9.099461	7.143796	13.059873	6.14808384	5.79744877	6.74941097	2745	2865	5147

25874	NM_001143674,NM_015415,NR	MPC2	mitochondrial pyruvate carrier 2	1.908176953	1.523253884	7.118631	13.489826	9.935877	4.09788139	4.98952124	4.67588584	633	1614	1186
11345	NM_007285	GABARAPL2	GABA type A receptor associate	1.170701351	1.523033613	61.997372	72.674179	88.732895	5.94237097	6.16632849	6.5412625	2375	3715	4449
5516	NM_001009552	PPP2CB	protein phosphatase 2 catalytic s	1.2350147	1.522899805	21.97563	27.167213	31.444626	5.43144524	5.72961516	6.02677467	1655	2731	3100
493869	NM_001008397,NM_001306197	GPX8	glutathione peroxidase 8 (putativ	1.18608534	1.522561367	12.054689	13.831461	16.677169	5.45341658	5.69446357	6.04860456	1681	2664	3148
57511	NM_001145079,NM_020751,NR	COG6	component of oligomeric golgi co	1.088507907	1.521937667	4.522694	4.804135	6.362081	4.08061013	4.19603101	4.65706199	625	909	1170
8850	NM_003884	KAT2B	lysine acetyltransferase 2B	-1.49685097	1.521904033	0.5494	0.368981	0.787368	1.84721644	1.45142181	2.30902414	102	91	191
5638	NM_000950,NM_001142395,NM	PRRG1	proline rich and Gla domain 1	-1.243452233	1.521729802	8.128181	6.709264	10.785315	4.98955224	4.68618473	5.57965517	1208	1298	2261
2707	NM_001005752,NM_024009	GJB3	gap junction protein beta 3	-1.009058771	1.521548128	40.422471	36.912588	53.271844	6.3440116	6.33116183	6.94346856	3150	4171	5895
6102	NM_006915	RP2	RP2, ARL3 GTPase activating pr	-1.348340135	1.521494457	2.231287	1.653569	3.192249	3.22173053	2.84329233	3.77337356	327	324	612
84343	NM_001308258,NM_032383	HPS3	HPS3, biogenesis of lysosomal o	1.117805864	1.521372487	11.75724	13.16917	17.06501	5.59318572	5.75071091	6.18831041	1856	2772	3473
167691	NM_001122769,NM_181714	LCA5	LCA5, lebercilin	-1.329308523	1.521162443	1.117663	0.839719	1.654624	2.61945147	2.28388661	3.14210594	202	203	378
57606	NM_020846	SLAIN2	SLAIN motif family member 2	-1.013892139	1.520727884	6.448652	6.368199	9.216494	5.27605672	5.25666827	5.86804962	1482	1953	2772
101060226	NM_001351365,NM_001351365	NBPF19	NBPF member 19	1.051497474	1.52051535	2.168877	2.283597	3.10027	4.85126892	4.92127111	5.43866688	1094	1537	2046
101929780	NR_104217,NR_104217_dup1,N	NBPF25P	NBPF member 25, pseudogene	-1.067202121	1.520354371	3.66981	3.442584	5.244829	3.80108857	3.71417485	4.36973462	508	636	950
55534	NM_018717	MAML3	mastermind like transcriptional co	1.454838515	1.520166353	0.39727	0.57898	0.568052	1.90722898	2.32288731	2.37386535	108	210	202
151313	NM_001320848,NM_001320849	FAHD2B	fumarylacetoacetate hydrolase d	-1.212360087	1.520166353	2.138305	1.686513	2.972548	1.90722898	1.70865125	2.37386535	108	119	202
3709	NM_002223	ITPR2	inositol 1,4,5-trisphosphate recep	-1.464305568	1.520000121	0.924122	0.631821	1.320511	3.62464406	3.12759409	4.18825403	445	406	832
1209	NM_001282175,NM_001282176	CLPTM1	CLPTM1, transmembrane protein	1.228669784	1.519888026	48.900394	60.306039	70.238331	6.97274618	7.26770998	7.57278825	4892	8031	9145
8720	NM_003791	MBTPS1	membrane bound transcription fa	1.218928582	1.519851214	28.064356	34.24889	40.085579	6.91514723	7.19861809	7.51499452	4699	7653	8784
6251	NM_012425,NM_152724	RSU1	Ras suppressor protein 1	1.004787577	1.519783127	8.992632	9.013786	12.78225	5.05954162	5.06622657	5.64857748	1270	1705	2374
64431	NM_022496,NR_048568,NR_04	ACTR6	ARP6 actin related protein 6 hom	-1.192849681	1.519764365	10.418386	8.795588	14.879289	4.64202642	4.39868427	5.2260334	941	1054	1759
4502	NM_005953	MT2A	metallothionein 2A	-1.465774236	1.519366369	105.129463	71.801201	150.123581	5.45593034	4.91945464	6.04815313	1684	1535	3147
85415	NM_033103	RHPN2	rhophilin Rho GTPase binding pr	-1.057015442	1.519316466	26.233011	24.847099	37.454647	6.51085424	6.43175704	7.10887449	3541	4476	6617
51276	NM_001290314,NM_001321272	ZNF571	zinc finger protein 571	-1.135629416	1.51914851	1.98945	2.214455	3.280549	2.72881625	2.57446443	3.2559454	221	260	413
149371	NM_175876	EXOC8	exocyst complex component 8	-1.171940372	1.519126085	6.536919	5.583349	9.331336	5.0759764	4.85439274	5.66456951	1285	1465	2401
54793	NM_017634	KCTD9	potassium channel tetramerizatic	-1.019649898	1.519076382	9.93703	9.755014	14.186504	5.08358236	5.05634199	5.6722066	1292	1693	2414
10455	NM_001166010,NM_006117,NM	ECI2	enoyl-CoA delta isomerase 2	1.504759135	1.518987147	14.023464	21.136887	20.017986	4.33301385	4.89839912	4.9115275	752	1512	1405
391059	NM_001013660	FRRS1	ferric chelate reductase 1	1.281569581	1.518645126	1.628947	2.087496	2.321938	2.39332696	2.68977954	2.89942777	167	286	312
375287	NM_198557	RBM43	RNA binding motif protein 43	1.092042933	1.51846737	2.77665	3.035342	3.967376	3.53555296	3.65208684	4.09517603	416	607	777
729852	NM_001302348,NM_001302349	UMAD1	UBAP1-MVB12-associated (UMA	-1.366083693	1.518278508	3.018049	2.193177	4.325452	2.98698269	2.6019054	3.5261099	272	266	508
2879	NM_001039847,NM_001039848	GPX4	glutathione peroxidase 4	-1.031645228	1.518203593	247.387772	242.745904	354.299106	7.83818952	7.79344154	8.43840747	8945	11585	16703
57684	NM_001304363,NM_001304364	ZBTB26	zinc finger and BTB domain cont	1.197042138	1.518116046	4.75782	5.603184	6.782787	3.40634723	3.64330938	3.96156336	377	603	704
10948	NM_001165937,NM_00116593	STARD3	StAR related lipid transfer domai	1.446263094	1.518042133	20.065871	29.153112	28.649589	5.81761456	6.34205155	6.41109565	2175	4203	4061
6197	NM_004586	RPS6KA3	ribosomal protein S6 kinase A3	1.123400792	1.517912008	5.022484	5.649282	7.166101	5.27510805	5.43889362	5.86446437	1481	2223	2765
100506385	NR_038885,NR_038886	LINC01426	long intergenic non-protein codin	5.025069432	1.517529052	0.319644	1.517108	0.495971	0.66524311	1.98361768	0.91876801	23	155	43
2683	NM_001497	B4GALT1	beta-1,4-galactosyltransferase 1	1.598314627	1.517321318	17.230522	27.574709	24.568657	6.15892439	6.82791842	6.75357037	2766	5907	5162
100506465	NR_110025,NR_110026	LINC01234	long intergenic non-protein codin	1.859587532	1.517222165	0.090926	0.175646	0.125939	0.26755841	0.46599441	0.39027104	8	20	15
100129924	NM_001242750	TMEM269	transmembrane protein 269	-1.067926637	1.517222165	0.208979	0.180135	0.299278	0.26755841	0.25173066	0.39027104	8	10	15
9228	NM_001346810,NR_073397	DLGAP2	DLG associated protein 2	1.490310084	1.517222165	0.020241	0.03037	0.027098	0.26755841	0.38406669	0.39027104	8	16	15
253782	NM_001256126,NM_203463	CERS6	ceramide synthase 6	1.167227201	1.516725956	9.229845	10.781573	13.153893	5.96254669	6.18232282	6.55562641	2409	3757	4494
6171	NM_001035267,NM_021104	RPL41	ribosomal protein L41	1.064151117	1.516533616	722.162674	773.206504	1046.080681	8.42890749	8.51835883	9.02826251	13491	19182	25164
3845	NM_004985,NM_033360	KRAS	KRAS proto-oncogene, GTPase	-1.034356441	1.516041694	7.687525	7.450028	10.995195	5.47505833	5.4274358	6.0643165	1707	2205	3183
23338	NM_001289984,NM_001289985	JADE2	jade family PHD finger 2	-1.053021858	1.515885607	5.458283	5.263757	7.872868	5.17592889	5.10350222	5.76248297	1380	1751	2573
130940	NM_001301684,NM_001301685	CCDC148	coiled-coil domain containing 148	1.007492492	1.515541151	0.731157	0.534785	1.03711	1.21691895	1.22307764	1.58918956	52	70	97
10103	NM_005727	TSPAN1	tetraspanin 1	-1.426252313	1.515447447	94.52533	66.34137	134.607529	7.23766831	6.72949688	7.83419643	5886	5514	10971
54585	NM_001276378,NM_001276379	LZTFL1	leucine zipper transcription factor	1.567084256	1.51512236	1.226933	1.931164	1.754233	2.55212659	3.10858833	3.06566078	191	400	356
83699	NM_031469	SH3BGRL2	SH3 domain binding glutamate ri	-2.116577509	1.51466862	2.326388	1.100843	3.312004	3.58232086	2.62883416	4.13992569	431	272	803
80709	NM_001317950,NM_001317952	AKNA	AT-hook transcription factor	-1.336026837	1.514455309	2.40436	1.802728	3.452214	3.78784692	3.40448323	4.35082401	503	503	937
60484	NM_021817	HAPLN2	hyaluronan and proteoglycan link	1.443807002	1.513854441	0.209053	0.312511	0.307338	0.46682716	0.63490936	0.65979727	15	29	28
54918	NM_017801	CMTM6	CKLF like MARVEL transmembra	-1.133796061	1.513808911	31.006828	27.37726	44.111679	6.68130478	6.50201808	7.2747224	3990	4702	7429
254065	NM_153252	BRWD3	bromodomain and WD repeat do	-1.038080174	1.513779246	3.567858	3.440971	5.075531	5.50611581	5.45340297	6.09348707	1745	2246	3249
405	NM_001197325,NM_001286035	ARNT	aryl hydrocarbon receptor nuclea	1.113905062	1.51369366	5.745575	6.402459	8.153857	4.8216876	4.97210198	5.40239335	1071	1594	1994
780	NM_001202521,NM_001202522	DDR1	discoidin domain receptor tyrosin	1.05978543	1.513280747	53.811812	57.550139	75.392292	7.6411392	7.72450476	8.23637248	7798	11042	14514
58533	NM_021249,NM_152233	SNX6	sorting nexin 6	-1.713505324	1.513198853	20.47495	12.019013	29.267996	6.10602377	5.3439002	6.69652477	2665	2078	4960
114823	NM_052925	LENG8	leukocyte receptor cluster memb	1.109254628	1.513168879	78.475029	87.14669	111.590324	8.1579237	8.30701803	8.75378755	11174	16561	20796
27063	NM_014391	ANKRD1	ankyrin repeat domain 1	-27.03247606	1.512752079	45.340187	1.67127	64.467674	6.4620872	2.07783221	7.05372131	3422	169	6367
375346	NM_198563	TMEM110	transmembrane protein 110	1.31196605	1.512651011	2.259036	2.96465	3.207723	3.51319803	3.87464915	4.06693155	409	717	761
6696	NM_000582,NM_001400058,NM	SPP1	secreted phosphoprotein 1	-1.276312319	1.512618949	0.317138	0.248425	0.494197	0.64188297	0.52452456	0.88680889	22	23	41
84162	NM_015312	KIAA1109	KIAA1109	-1.244360755	1.512609031	5.102715	4.104856	7.253279	6.29243623	5.98150995	6.88324207	3038	3262	5652
6738	NM_001042369,NM_001042370	TROVE2	TROVE domain family member 2	1.089095038	1.512148714	6.171956	7.031404	8.700708	4.26200996	4.37899217	4.83298924	714	1039	1328
84276	NM_032316	NICN1	nicolin 1	1.365168668	1.512027631	2.943131	4.030048	4.187854	3.36057263	3.77168848	3.90883222	364	664	677
92255	NM_001007527	LMBRD2	LMBR1 domain containing 2	-1.035452584	1.511832519	0.748021	0.722442	1.06222	1.75224037	1.71704117	2.19620105	93	120	173
1808	NM_001197293,NM_01244604	DPYSL2	dihydropyrimidinase like 2	1.138495774	1.511674845	6.652376	7.611048	10.003986	4.95679582	5.13827799	5.53717864	1180	1795	2194
2961	NM_001348353,NM_002095	GTF2E2	general transcription factor IIE su	1.151905856	1.511522309	10.552859	12.151176	14.970896	4.24078667	4.43473883	4.81080629	703	1082	1307
5926	NM_002892,NM_023000,NM_02	ARID4A	AT-rich interaction domain 4A	-1.088112107	1.511280488	5.77944	5.317151	8.178745	5.0573361	4.93931117	5.63841672	1268	1557	2357
2041	NM_005232	EPHA1	EPH receptor A1	-1.19780692	1.511241762	8.756743	7.316485	12.438092	4.89144191	4.64060352	5.47068589	1126	1256	2093
9682	NM_014663	KDM4A	lysine demethylase 4A	1.133218878	1.51116372	8.620297	9.780021	12.240088	5.27984516	5.45591151	5.86292511	1486	2250	2762
5119	NM_001083314,NM_002768,NR	CHMP1A	charged multivesicular body prot	1.27815456	1.510954422	42.666829	55.059107	61.238082	6.68380898	7.03482252	7.27452944	3997	6826	7428
23380	NM_001170637,NM_001300952	SRGAP2	SLIT-ROBO Rho GTPase activat	1.107570427	1.510891729	14.50826	16.210516	21.523853	6.28774036	6.43334909	6.87690087	3028	4481	5627
57222	NM_001031711	ERGIC1	endoplasmic reticulum-golgi inter	1.436976659	1.510885519	23.832275	34.288288	33.839134	6.11134883	6.62804307	6.69968997	2675	5136	4971
29888	NM_001039877,NM_013403	STRN4	striatin 4	-1.039876322	1.510202024	43.695889	42.003664	61.918465	7.09792936	7.04193615	7.68911882	5339	6860	9917
89782	NM_001136049,NM_033029,NR	LMLN	leishmanolysin like peptidase	2.097836126	1.510058116	2.028445	4.253534	2.898921	3.91752664	4.93572116	4.47961067	554	1553	1029
1889	NM_001113347,NM_001113348	ECE1	endothelin converting enzyme 1	1.564845209	1.509924344	32.262811	50.635813	45.898691	7.34440507	7.98722581	7.93588874	6341	13258	11776
3551	NM_001190720,NM_001242778	IKBKB	inhibitor of nuclear factor kappa E	1.118282867	1.509863836	12.551294	13.994339	17.869405	5.67960666	5.83791964	6.26451583	1973	2948	3664
7846	NM_001270399,NM_001270400	TUBA1A	tubulin alpha 1a	-2.683919869	1.509389449	41.243488	16.008179	61.497538	6.45582143	5.05881949	7.04424513	3407	1696	6325
23567	NM_001308213,NM_001308214	ZNF346	zinc finger protein 346	1.535630785	1.509235363	2.798819	4.145183	3.628029	3.49701545	4.07069878	4.04718766	404	829	750
6138	NM_001253379,NM_001253380	RPL15	ribosomal protein L15	1.86511821	1.50900578	147.230906	271.746893	197.095047	8.47559305	9.06782754	9.06788412	13936	34729	25865
6772	NM_007315,NM_139266	STAT1	signal transducer and activator of	1.199176303	1.508799817	27.23937	31.605358	37.56181	6.71422537	6.97399142	7.30299912	4083	6542	7577
79042	NM_001077446,NM_001282332	TSEN34	tRNA splicing endonuclease subu	1.182953741	1.50864681	24.163855	28.200864	33.717475	5.76181945	6.00010634	6.3461079	2091	3305	3880
100996432	NR_136571	LINC01663	long intergenic non-protein codin	2.236223666	1.508166923	0.787777	1.778669	1.126337	1.79522562	2.70672986	2.24113096	97	290	180
9991	NM_001163788,NM_001163790	PTBP3	polypyrimidine tract binding prote	-6.574283229	1.508096014	18.599142	2.850726	26.99707	7.18257666	4.51992154	7.77196467	5664	1151	10506
840	NM_001227,NM_001267056,NM	CASP7	caspase 7	1.149905207	1.506553358	8.347466	9.886622	12.065967	4.480221	4.67330781	5.04963668	837	1286	1551
221914	NM_152742	GPC2	glypican 2	1.169051928	1.506349232	0.476357	0.5635	0.684375	1.15225689	1.28081328	1.50747923	48	75	89
91833	NM_001242414,NM_001242415	WDR20	WD repeat domain 20	1.199938971	1.50631545	9.585177	11.593653	13.838822	4.59566527	4.84867703	5.16655045	910	1459	1686
80824	NM_030640	DUSP16	dual specificity phosphatase 16	-1.366015592	1.506221653	2.642252	1.935162	3.740604	4.10857187	3.68880651	4.67120285	638	624	1182
8239	NM_001039590,NM_001039591	USP9X	ubiquitin specific peptidase 9, X-l	1.351512482	1.506043284	7.948228	10.758036	11.252898	6.59612854	7.02683026	7.18188678	3759	6788	6963
127255	NM_001105659,NM_001322315	LRRIQ3	leucine rich repeats and IQ motif	1.121721245	1.505900467	0.120328	0.1377	0.181446	0.43999062	0.48576948	0.62147005	14	21	26
1132	NM_000741	CHRM4	cholinergic receptor muscarinic 4	-2.314716033	1.505900467	0.195728	0.086303	0.275562	0.43999062	0.20477631	0.62147005	14	8	26
653483	NR_027906	AFDN-AS1	AFDN antisense RNA 1 (head to	-1.763607491	1.505735857	0.456512	0.261719	0.656824	1.03161781	0.669904	1.36396013	41	31	76
9780	NM_001142864	PIEZO1	piezo type mechanosensitive ion	1.224947804	1.505610472	44.258575	54.274693	62.620972	8.44944629	8.74141055	9.03841222	13685	22398	25342
89848	NM_033449	FCHSD1	FCH and double SH3 domains 1	1.398639054	1.505189668	11.444456	16.021961	16.184986	5.61883752	6.09449202	6.19892364	1890	3532	3499
23125	NM_001171166,NM_001171167	CAMTA2	calmodulin binding transcription a	-1.392889626	1.505083941	7.833776	5.587198	10.960482	5.11785073	4.65595783	5.69372425	1324	1270	2451
54623	NM_001256826,NM_019088,NR	PAF1	PAF1 homolog, Paf1/RNA polym	-1.339289377	1.504540841	28.905054	21.697389	40.842991	6.02764362	5.61363026	6.60955312	2522	2516	4667
643977	NR_104643	FLJ32255	uncharacterized LOC643977	1.375810229	1.504467506	3.105642	4.279156	4.392578	3.22566415	3.64330938	3.76240724	328	603	607
8878	NM_001142298,NM_001142299	SQSTM1	sequestosome 1	1.281237457	1.504428366	200.727017	257.483565	283.931397	9.14964905	9.50663078	9.73801496	22259	38105	41187
10768	NM_001242673,NM_001242674	AHCYL1	adenosylhomocysteinase like 1	1.032099667	1.504359212	24.561854	25.305278	34.405495	6.57624091	6.62135418	7.16032666	3707	5112	6859
10367	NM_001195518,NM_001195519	MICU1	mitochondrial calcium uptake 1	-1.53860977	1.504130338	12.072359	7.855221	17.078596	4.91721027	4.32100453	5.49009354	1147	996	2122
3714	NM_002226,NM_145159	JAG2	jagged 2	-1.042631413	1.504077299	6.553559	6.306658	9.270603	5.2482889	5.18967248	5.8244272	1453	1862	2688
51780	NM_016604	KDM3B	lysine demethylase 3B	1.05428538	1.504038696	16.855909	17.789408	23.823593	6.81785555	6.89346419	7.40241765	4390	6184	8121

3801	NM_001130099,NM_001130100	KIFC3	kinesin family member C3	1.13956858	1.50381524	31.294673	35.136432	43.479507	6.68595199	6.87272728	7.26989072	4003	6095	7404
157	NM_005160	GRK3	G protein-coupled receptor kinas	1.37872607	1.503813092	18.227959	25.162027	25.760908	7.33737831	7.79826828	7.92302035	6310	11624	11671
1740	NM_001142699,NM_001142700	DLG2	discs large MAGUK scaffold prot	-2.56086594	1.503558916	0.074965	0.027719	0.103979	0.7550755	0.3412894	1.02535867	27	14	50
401331	NR_024116	RASA4CP	RAS p21 protein activator 4C, ps	-1.385392244	1.503558916	0.452721	0.333586	0.64394	0.7550755	0.58077243	1.02535867	27	26	50
8645	NM_003740	KCNK5	potassium two pore domain chan	1.492313723	1.50342713	9.166303	13.694914	12.954919	5.11996571	5.68380238	5.69430137	1326	2644	2452
79710	NM_001085354,NM_024657	MORC4	MORC family CW-type zinc finge	-1.12597825	1.503253066	4.800564	4.277554	6.803633	4.23884171	4.07723084	4.80119389	702	833	1298
6548	NM_003047,NM_046474	SLC9A1	solute carrier family 9 member A	1.720066353	1.503145519	6.97192	11.748011	9.723312	5.02271227	5.78652845	5.59580755	1237	2843	2287
64855	NM_001035534,NM_022833	FAM129B	family with sequence similarity 12	1.112496359	1.503042773	95.050879	105.841597	134.400799	8.53098391	8.68439115	9.11756777	14483	21528	26774
10550	NM_006407	ARL6IP5	ADP ribosylation factor like GTPa	1.013203474	1.502751693	43.91576	44.549889	62.025105	6.52369162	6.54241176	7.10605791	3573	4837	6604
728340	NM_001098728	GTF2H2C	GTF2H2 family member C	1.178307218	1.502735119	0.485141	0.579641	0.702395	1.01352966	1.1381576	1.34055586	40	63	74
80864	NM_030652,NR_037860	EGFL8	EGF like domain multiple 8	1.308933772	1.502735119	0.77558	1.031591	1.109051	1.01352966	1.22307764	1.34055586	40	70	74
3631	NM_001134224,NM_001134225	INPP4A	inositol polyphosphate-4-phospha	1.154144133	1.502656355	6.307068	7.129156	8.671678	5.35539329	5.55751527	5.9311056	1568	2418	2898
201181	NM_001242704	ZNF385C	zinc finger protein 385C	1.070347778	1.502543639	0.864557	0.925888	1.223328	1.67378945	1.74192207	2.10191219	86	123	159
729987	NR_046088	LINC01776	long intergenic non-protein codin	1.489387219	1.501913117	0.069301	0.120987	0.109788	0.23670415	0.3412894	0.34394329	7	14	13
5624	NM_000312	PROC	protein C, inactivator of coagulati	-2.292028819	1.501913117	0.102736	0.043939	0.145982	0.23670415	0.10601836	0.34394329	4	4	13
6248	NM_006511	RSC1A1	regulator of solute carriers 1	-2.157229137	1.501681477	4.347663	2.015526	6.147809	3.43720745	2.47408961	3.97872063	386	239	713
1519	NM_001334	CTSO	cathepsin O	1.307785987	1.50166133	2.681717	3.511554	3.783447	3.1155	3.46301778	3.64551432	301	526	556
1408	NM_001127457,NM_021117	CRY2	cryptochrome circadian clock 2	1.442090502	1.501543353	4.510344	6.50979	6.365397	4.28292556	4.78824961	4.84447416	725	1397	1339
55224	NM_001297760,NM_001297761	ETNK2	ethanolamine kinase 2	-1.023016598	1.501484686	2.799753	2.755741	3.992951	3.0281061	2.99933041	3.55435929	281	367	519
83547	NM_031430	RILP	Rab interacting lysosomal protein	-1.557554608	1.501484686	4.09209	2.633943	5.791747	3.0281061	2.48395571	3.55435929	281	241	519
9498	NM_001039960,NM_001258401	SLC4A8	solute carrier family 4 member 8	-1.160845593	1.501333922	0.043444	0.043843	0.090491	0.59399636	0.52452456	0.82068496	20	23	37
10142	NM_005751,NM_147185	AKAP9	A-kinase anchoring protein 9	-1.585927195	1.501303048	4.635921	2.924783	6.545855	5.83959881	5.1889187	6.41740132	2209	1861	4079
29925	NM_013334,NM_021971	GMPPB	GDP-mannose pyrophosphoryla	1.417491974	1.501268465	4.407107	6.250276	6.205967	2.99622306	3.44545299	3.52091369	274	519	506
56141	NM_018910,NM_031852	PCDHA7	protocadherin alpha 7	1.653508472	1.501209517	0.356597	0.602371	0.512473	0.88013425	1.25799553	1.17840727	33	73	61
122553	NM_001079537,NM_177452	TRAPPC6B	trafficking protein particle comple	1.478607505	1.501107956	16.974183	25.180612	23.645218	5.79065071	6.34645212	6.3679768	2134	4216	3940
5881	NM_001316307,NM_005052	RAC3	ras-related C3 botulinum toxin su	-1.230178865	1.501030108	12.03365	9.763193	16.936045	3.74737673	3.47295962	4.29712434	488	530	901
51132	NM_016120,NM_183353	RLIM	ring finger protein, LIM domain in	5.40310772	1.501025017	1.971234	10.705668	2.785799	4.41797983	6.79585153	4.98128857	800	5776	1477
1454	NM_001894,NM_152221	CSNK1E	casein kinase 1 epsilon	1.256749145	1.500521856	11.703544	14.731215	16.509221	5.03733324	5.35805128	5.60811055	1250	2099	2307
83594	NM_001300741,NM_031438	NUDT12	nudix hydrolase 12	-1.068884666	1.500503157	4.452154	4.179997	6.300879	4.01620928	3.92621521	4.57169125	596	745	1100
2932	NM_001146156,NM_002093	GSK3B	glycogen synthase kinase 3 beta	1.506886608	1.500449937	7.69438	11.614235	10.857097	5.75707097	6.33967644	6.33356678	2084	4196	3846
23133	NM_001184896,NM_001184897	PHF8	PHD finger protein 8	1.049707115	1.50011748	2.842844	2.933549	3.597216	3.90531607	3.97074877	4.45802288	549	770	1013
84002	NM_032047	B3GNT5	UDP-GlcNAc:betaGal beta-1,3-N	1.22899285	1.50004526	16.700201	20.54538	23.540689	6.08831031	6.38184143	6.66625094	2632	4322	4856
5887	NM_001244713,NM_001244724	RAD23B	RAD23 homolog B, nucleotide ex	1.238067376	1.499954397	50.638447	62.805758	71.451576	7.68804546	7.9947931	8.27063707	8057	13328	14864
3913	NM_002292	LAMB2	laminin subunit beta 2	1.03203261	1.499891182	21.238291	21.946114	29.939318	6.92031409	6.9654339	7.50120802	4716	6503	8700
9562	NM_001178117,NM_001178118	MINPP1	multiple inositol-polyphosphate p	-1.028692949	1.499885055	10.731088	9.961449	13.332337	4.78616959	4.74685257	5.35353947	1044	1356	1926
51024	NM_016068	FIS1	fission, mitochondrial 1	-1.062694205	1.499842586	41.24995	38.871685	58.175354	4.94013441	4.85534316	5.50924359	1166	1466	2151
79649	NM_001173516,NM_001173517	MAP7D3	MAP7 domain containing 3	1.662761514	1.499835154	5.422265	9.033366	7.647427	4.65082999	5.36140022	5.21642227	947	2104	1747
55313	NM_001099455,NM_018340	CPPED1	calcineurin like phosphoesterase	-1.017434462	1.499667738	5.562673	5.482258	7.825049	5.08466566	5.0604688	5.65511417	1293	1698	2385
51809	NM_017423	GALNT7	polypeptide N-acetylgalactosamii	1.096513134	1.498752058	22.959551	25.202885	32.333183	6.60408301	6.73570375	7.18291525	3780	5538	6968
148103	NM_001007248	ZNF599	zinc finger protein 599	1.272931234	1.498666523	0.643349	0.823978	0.910384	1.56621863	1.80624674	1.97845985	77	131	142
8763	NM_001142401,NM_001142402	CD164	CD164 molecule	1.269786233	1.498196823	54.516808	69.522985	77.690845	7.47819835	7.82106856	8.05874013	6961	11810	12827
6448	NM_000199	SGSH	N-sulfoglucosamine sulfohydrola	-1.367794219	1.497832357	10.181933	7.453254	14.337001	4.83075499	4.39737979	5.39673096	1078	1053	1986
60672	NM_021933	MIIP	migration and invasion inhibitory	1.060626397	1.49679417	12.87454	13.672943	18.122885	4.56027919	4.64170569	5.12177381	887	1257	1633
728175	NR_040108	LINC02363	long intergenic non-protein codin	1.607015754	1.496733267	0.168335	0.284062	0.253512	0.41264541	0.61708849	0.58209675	13	28	24
23250	NM_015205,NM_032189	ATP11A	ATPase phospholipid transportin	1.096743194	1.4963687	4.506822	4.9596	6.364116	5.30887308	5.43889362	5.87824435	1517	2223	2792
58491	NM_021216	ZNF71	zinc finger protein 71	-2.011163269	1.496097079	0.945387	0.466787	1.326973	1.9554003	1.28081328	2.40894223	113	75	208
90007	NM_177401	MIDN	midnolin	1.111915594	1.495945174	25.248209	28.10745	35.49696	6.55841652	6.7099265	7.1344047	3661	5439	6736
578	NM_001188	BAK1	BCL2 antagonist/killer 1	1.067564552	1.495602015	6.31363	6.755693	8.880168	3.85794988	3.94597954	4.40541889	530	756	975
84793	NR_026878	FOXD2-AS1	FOXD2 antisense RNA 1 (head t	1.31648117	1.495269408	1.685868	2.220604	2.369475	2.3579234	2.68551066	2.84224948	162	285	298
23564	NM_001303007,NM_001303008	DDAH2	dimethylarginine dimethylaminoh	-2.286306497	1.495230656	11.831462	5.411259	19.333977	4.37789078	3.27124763	4.93515799	777	454	1429
6948	NM_000355,NM_001184726	TCN2	transcobalamin 2	1.11708451	1.495007502	6.871688	7.624578	9.572632	3.88307318	4.03255443	4.4305758	540	806	993
10580	NM_001034954,NM_001034955	SORBS1	sorbin and SH3 domain containir	-1.935426365	1.494890873	1.417379	0.88407	2.42047	3.47405048	2.63769986	4.01058243	397	274	730
646074	NR_024593	POM121L10P	POM121 transmembrane nucleo	2.081645973	1.494805711	0.051437	0.107537	0.073113	0.56944351	1.00745609	0.78645063	19	53	35
57488	NM_020728	ESYT2	extended synaptotagmin 2	-1.287197481	1.494780897	13.865596	10.785686	19.480145	6.34762596	5.98845757	6.92170099	3158	3278	5806
2553	NM_001320910,NM_001320915	GABPB1	GA binding protein transcription f	-1.020566928	1.494668154	10.073893	9.538328	11.640951	4.26965076	4.24181329	4.82457876	718	940	1320
55336	NM_018378	FBXL8	F-box and leucine rich repeat pro	1.290485048	1.49464298	4.13996	5.361063	5.830784	2.90104285	3.22493445	3.4156568	254	438	467
10053	NM_001300887,NM_005498	AP1M2	adaptor related protein complex	1.041333464	1.494281823	56.240328	58.656092	79.015884	6.59992185	6.65776512	7.17446007	3769	5244	6927
10013	NM_001321225,NM_001321226	HDAC6	histone deacetylase 6	-1.052511012	1.493903693	13.246379	12.528896	18.372095	5.71990486	5.64750225	6.28993987	2030	2577	3730
3075	NM_000186,NM_001014975	CFH	complement factor H	1.036702921	1.493838932	14.866925	16.075403	22.626984	5.56551847	5.61644502	6.13446583	1820	2521	3344
140699	NM_152503,NM_213631,NM_21	MROH8	maestro heat like repeat family m	1.733229261	1.493799251	0.204663	0.372093	0.287382	0.71085839	1.07428646	0.96541723	25	58	46
50649	NM_015320,NM_032995	ARHGEF4	Rho guanine nucleotide exchang	1.089930747	1.493732219	9.797021	10.782691	13.766204	5.20311692	5.3241272	5.76907242	1407	2049	2585
30850	NM_014603	CDR2L	cerebellar degeneration related p	-1.437203092	1.493732219	10.416768	7.256544	14.698282	5.20311692	4.69682839	5.76907242	1407	1308	2585
10130	NM_001282704,NM_001282705	PDIA6	protein disulfide isomerase family	1.479830944	1.493683988	135.972278	201.431564	190.860006	8.27560367	8.83952982	8.85294348	12127	23978	22279
23527	NM_012287	ACAP2	ArfGAP with coiled-coil, ankyrin r	1.337164226	1.492852141	12.824162	17.166836	17.989624	6.5003391	6.91550292	7.07315474	3515	6280	6454
4776	NM_001136022,NM_001198965	NFATC4	nuclear factor of activated T-cells	-1.524771131	1.49260984	6.101501	3.997481	8.416233	4.87775825	4.2946204	5.43935559	1115	977	2047
101928505	NR_104668	LOC101928505	uncharacterized LOC101928505	-1.099904058	1.49257808	2.785505	2.528586	3.898296	2.46162969	2.35011326	2.95056637	177	215	325
84514	NM_001142623,NM_032484	GHDC	GH3 domain containing	-2.163416884	1.492476883	8.846259	4.114494	12.34705	4.47527325	3.43531911	5.0314812	834	515	1531
51164	NM_001135643,NM_001135644	DCTN4	dynactin subunit 4	-1.005421473	1.49236333	14.724943	14.661199	20.65674	5.8267075	5.81904452	6.39591961	2189	2909	4018
23344	NM_001184796,NM_015292	ESYT1	extended synaptotagmin 1	1.070766965	1.492203257	15.806624	16.95924	22.200357	6.05719254	6.15440836	6.62749283	2575	3684	4726
55832	NM_001329674,NM_001329675	CAND1	cullin associated and neddylation	1.195228139	1.491955892	17.61883	21.040806	24.706633	6.69803595	6.95305674	7.27066488	4037	6447	7408
100129480	NM_001195279	MKRN2OS	MKRN2 opposite strand	-1.335744355	1.491226682	3.042472	2.286652	4.286877	2.0823043	1.77444288	2.54232458	127	127	233
148137	NM_001039887	PROSER3	proline and serine rich 3	1.513987192	1.491090927	5.283355	8.016579	7.410546	3.59149522	4.14874812	4.1280136	434	878	796
144110	NM_153347	TMEM86A	transmembrane protein 86A	-1.135299535	1.491037841	1.289828	1.141755	1.816583	2.48807034	2.33928445	2.9773697	181	213	332
55286	NM_001104629,NM_018302	C4orf19	chromosome 4 open reading fran	-1.09726684	1.491010218	1.386089	1.263678	1.937237	2.56460348	2.45415268	3.05850609	193	235	354
23216	NM_001253912,NM_001253913	TBC1D1	TBC1 domain family member 1	-1.022926387	1.490989565	9.168582	7.424264	10.178778	5.35808361	5.32618529	5.92275718	1571	2052	2881
5925	NM_000321	RB1	RB transcriptional corepressor 1	1.307739033	1.490534942	5.162342	6.758497	7.232274	4.64349742	5.01696186	5.20026005	942	1646	1727
64145	NM_001302378,NM_022340,NR	RBSN	rabenosyn, RAB effector	-1.010830284	1.490306891	2.741018	3.016092	4.054011	4.1649721	4.15939781	4.71395121	665	879	1219
4599	NM_001144925,NM_001178046	MX1	MX dynamin like GTPase 1	-1.333383644	1.490189405	12.887547	8.816179	17.933485	5.2722583	4.86952482	5.83545708	1478	1481	2709
84138	NM_032178	SLC7A6OS	solute carrier family 7 member 6	1.357164809	1.490180171	7.394941	10.053919	10.356955	3.67154031	4.08211055	4.20940382	461	836	845
55061	NM_001037175,NM_017982	SUSD4	sushi domain containing 4	-3.496167606	1.489939423	0.72119	0.207155	1.011486	1.65056839	0.68708806	2.06668624	84	32	154
64840	NM_001282167,NM_022825,NM	PORCN	porcupine homolog (Drosophila)	1.415139539	1.489726512	4.859944	7.21955	7.171578	3.40287721	3.86335533	3.93250653	376	711	689
376497	NM_198580	SLC27A1	solute carrier family 27 member	1.162632399	1.48960221	5.376936	6.25959	7.525898	4.30911424	4.51632067	4.85998953	739	1148	1354
210	NM_000031,NM_001003945,NM	ALAD	aminolevulinate dehydratase	-1.069069338	1.48930652	9.693861	9.006298	13.631647	4.9814326	4.88821942	5.54103391	1201	1501	2200
59274	NM_022566	MESDC1	mesoderm development candida	-1.194191627	1.489253418	7.28608	6.10832	10.19875	4.50146728	4.2577156	5.05503907	850	951	1557
57662	NM_001080429,NM_020902	CAMSAP3	calmodulin regulated spectrin ass	1.118958223	1.489194168	5.086188	5.808344	7.257132	4.44184742	4.59694851	4.99447008	814	1217	1491
57106	NM_020378	NAT14	N-acetyltransferase 14 (putative)	1.648533773	1.488830364	12.49966	20.650345	17.501863	4.12551355	4.81389896	4.67237502	646	1423	1183
643853	NM_001039770,NM_001136238	TMPPE	transmembrane protein with meta	1.619398475	1.488766787	0.193468	0.316992	0.2755	0.81895953	1.16293478	1.09694451	30	65	55
118490	NM_001024593	MSS51	MSS51 mitochondrial translation	-1.91401962	1.488699105	1.854849	0.965011	2.597414	2.4278825	1.71704117	2.9113909	172	120	315
9055	NM_001267580,NM_003981,NM	PRC1	protein regulator of cytokinesis 1	-1.104672578	1.488690062	58.537628	53.265759	82.003426	7.47283	7.33005869	8.04421259	6935	8388	12698
10007	NM_005471	GNPDA1	glucosamine-6-phosphate deami	1.164000977	1.488595978	17.310984	20.169735	24.214678	5.31165148	5.52563064	5.87366563	1520	2364	2783
150384	NR_024009	GTSE1-AS1	GTSE1 antisense RNA 1 (head t	-1.45463322	1.488312276	0.408157	0.282803	0.567245	0.68823103	0.50527715	0.93448595	24	22	44
55454	NM_001319654,NM_001319656	CSGALNACT2	chondroitin sulfate N-acetylgalac	-1.158252426	1.487668514	3.205071	2.884959	4.880372	3.73086534	3.53596345	4.26795589	482	556	882
10956	NM_001017956,NM_001017957	OS9	OS9, endoplasmic reticulum lecti	1.086642589	1.487589636	52.111763	56.822595	72.299021	7.13448031	7.25354111	7.70409709	5477	7952	10021
118429	NM_001145794,NM_001286780	ANTXR2	anthrax toxin receptor 2	-1.252070404	1.487555037	4.740437	3.823374	7.281561	5.15132397	4.83717724	5.71093841	1356	1447	2481
10055	NM_001145713,NM_001145714	SAE1	SUMO1 activating enzyme subur	-1.069194914	1.487050951	36.993785	34.478919	51.84191	6.52369162	6.42824835	7.09101559	3573	4465	6535
402569	NM_001145715	KPNA7	karyopherin subunit alpha 7	-4.15642858	1.486549578	0.706157	0.1701	0.996818	1.13562816	0.36283659	1.47560397	47	15	86
3214	NM_024015	HOXB4	homeobox B4	-1.627449758	1.486423612	19.404776	11.931105	27.105297	5.30050562	4.62061907	5.86035601	1508	1238	2757
8725	NM_001252641,NM_003796,NR	URI1	URI1, prefoldin like chaperone	-1.313870756	1.486252236	20.304993	14.841715	27.787644	6.03830635	5.65133781	6.60280623	2541	2584	4645
3748	NM_004977,NR_110912	KCNC3	potassium voltage-gated channel	1.02391609	1.486102281	1.271431	1.303652	1.784287	2.36507395	2.39263351	2.84224948	163	223	298

9023	NM_003956	CH25H	cholesterol 25-hydroxylase	-1.002073241	1.486052343	0.227444	0.223933	0.318972	0.38477185	0.38406669	0.54161868	12	16	22
629	NM_001710	CFB	complement factor B	1.311964013	1.485997598	7.453725	9.795232	10.409904	4.32753359	4.70212092	4.8753398	749	1313	1369
526	NM_001693	ATP6V1B2	ATPase H+ transporting V1 subu	1.494136218	1.485855848	7.224337	10.811258	10.090991	4.48679171	5.04472373	5.03695187	841	1679	1537
26175	NM_001098621,NM_015676	TMEM251	transmembrane protein 251	1.437348913	1.485732837	7.591467	10.529369	10.643641	3.06808971	3.53833258	3.58206614	290	557	530
126375	NM_175872	ZNF792	zinc finger protein 792	1.537170001	1.48517126	0.737921	1.139045	1.032714	1.92669094	2.40826098	2.36808966	110	226	201
10075	NM_031407	HUWE1	HECT, UBA and WWE domain c	1.158556547	1.485062892	12.410212	14.393686	17.319685	7.48477826	7.69600701	8.05267663	6993	10825	12773
84225	NM_001136046,NM_001267822	ZMYND15	zinc finger MYND-type containing	-3.087862545	1.48498317	0.609872	0.19832	0.86926	1.30878272	0.56226574	1.67590018	58	25	106
821	NM_001024649,NM_001746	CANX	calnexin	1.070513342	1.484980872	132.860878	142.332664	185.26757	9.31685222	9.41500639	9.88655969	24999	35757	45659
7262	NM_003311	PHLDA2	pleckstrin homology like domain	-1.614116899	1.484839672	39.75489	24.666567	55.509392	5.19511448	4.52828878	5.75254203	1399	1158	2555
4245	NM_001114617,NM_001114618	MGAT1	mannosyl (alpha-1,3-)-glycoprote	1.214646243	1.484662553	19.199394	23.625132	28.247008	5.893137	6.16938873	6.4553484	2294	3723	4189
79890	NM_001319987,NM_024832	RIN3	Ras and Rab interactor 3	1.417702836	1.484532949	2.18299	3.266639	3.046185	3.20189991	3.65863507	3.71995801	322	610	588
337876	NM_175856	CHSY3	chondroitin sulfate synthase 3	2.802918811	1.484337237	0.389424	1.094425	0.539963	1.21691895	2.23798388	1.56919173	52	195	95
25898	NM_001009922,NM_001278536	RCHY1	ring finger and CHY zinc finger d	1.186646891	1.484326279	2.011311	2.35412	2.732756	3.24517298	3.46799726	3.76460718	333	528	608
706	NM_000714,NM_001256530,NM	TSPO	translocator protein	1.077854544	1.484309568	63.041443	67.735857	88.451721	5.78266256	5.88893602	6.34390267	2122	3056	3874
10640	NM_006544	EXOC5	exocyst complex component 5	1.081315889	1.484094274	6.175668	6.687928	8.614923	5.70589297	5.81660668	6.26645766	2010	2904	3669
56900	NM_001322248,NM_020141,NR	TMEM167B	transmembrane protein 167B	-1.242220847	1.48402396	9.801413	7.837685	13.496389	4.75248416	4.45243375	5.30448591	1019	1096	1860
92558	NM_207311,NR_147892,NR_14	BICDL1	BICD family like cargo adaptor 1	-1.666121309	1.483806245	9.816048	5.897703	13.569007	4.94013441	4.23452662	5.49407653	1166	935	2128
79642	NM_024590	ARSJ	arylsulfatase family member J	1.068834927	1.483648454	1.788997	1.911165	2.491056	3.19389071	3.27976824	3.71085992	320	457	584
729515	NM_018452	TMEM242	transmembrane protein 242	1.041598128	1.483600957	2.740985	2.857143	3.822919	3.86048198	3.91531944	4.39693481	531	739	969
79598	NM_001303401,NM_024548	CEP97	centrosomal protein 97	1.491800246	1.483532338	3.565305	5.300824	4.949082	4.78616959	5.3459303	5.33811168	1044	2081	1905
400618	NR_103737,NR_103738	SOX9-AS1	SOX9 antisense RNA 1	-2.043746278	1.48352321	0.402948	0.192747	0.598095	1.11880553	0.65251278	1.45395569	46	30	84
100288152	NR_125375	SLC9A3-AS1	SLC9A3 antisense RNA 1	-1.103978903	1.483507426	5.448566	4.940858	7.595417	3.38540081	3.25693382	3.90883222	371	449	677
57636	NM_001199417	ARHGAP23	Rho GTPase activating protein 2	-1.24704496	1.48335351	56.739941	45.550781	79.096207	8.3544032	8.03697534	8.92183267	12810	13725	23371
50650	NM_001128615,NM_001128616	ARHGEF3	Rho guanine nucleotide exchang	1.22571563	1.48324581	3.23319	3.985215	4.541648	3.63946355	3.91166916	4.17011265	450	737	821
85455	NM_033510	DISP2	dispatched RND transporter fami	1.153948731	1.482939108	0.677907	0.784345	0.947819	2.11660268	2.278228	2.57277436	131	202	239
643641	NM_001099220	ZNF862	zinc finger protein 862	-1.563200061	1.482932658	2.822241	1.805909	3.93179	4.32936266	3.72461474	4.87432152	750	641	1368
388559	NM_001310127	ZNF888	zinc finger protein 888	-3.134771041	1.48289798	3.402687	1.086455	4.743519	3.2098649	1.86027027	3.72674411	324	138	591
4677	NM_004539	NARS	asparaginyl-tRNA synthetase	-1.006651366	1.482295252	54.927074	54.62735	76.515404	7.26897876	7.25947669	7.8337736	6016	7985	10968
26224	NM_012158	FBXL3	F-box and leucine rich repeat pro	1.153042549	1.482220728	3.620331	4.181508	5.048857	3.75828027	3.94954414	4.29103243	492	758	897
26093	NM_015603	CCDC9	coiled-coil domain containing 9	-1.010655153	1.481865893	9.651145	9.562464	13.44116	4.36010717	4.34556265	4.90456173	767	1014	1398
5007	NM_002556	OSBP	oxysterol binding protein	1.124648376	1.481788958	15.395711	17.335793	21.442717	6.27070749	6.4381147	6.83197669	2992	4496	5453
3004	NM_001258351,NM_005317	GZMM	granzyme M	1.120502413	1.481594656	0.166259	0.179432	0.217122	0.20517559	0.2284445	0.29607837	6	9	11
5916	NM_000966,NM_001042728,NM	RARG	retinoic acid receptor gamma	-1.481942163	1.481058507	16.647736	11.465542	22.945498	5.58018673	5.027119	6.13701529	1839	1658	3350
80144	NM_001166133,NM_025074	FRAS1	Fraser extracellular matrix compl	-1.425722865	1.480407523	3.757476	2.633962	6.3526	5.85110331	5.34998195	6.40898763	2227	2087	4055
79854	NR_024321	LINC00115	long intergenic non-protein codin	1.149096554	1.479953288	1.103353	1.27595	1.538073	1.27880673	1.40024122	1.63800401	56	86	102
1203	NM_006493	CLN5	ceroid-lipofuscinosis, neuronal 5	1.391577639	1.479853495	4.05213	5.644268	5.63573	3.59149522	4.03423402	4.11772436	434	807	790
6193	NM_001009	RPS5	ribosomal protein S5	-1.044564963	1.479692374	526.795166	504.899231	732.544067	8.5739496	8.51121563	9.13802256	14922	19087	27157
727910	NM_001164407	TLCD2	TLC domain containing 2	-1.129893566	1.479685421	3.545427	3.141253	4.929212	4.41797983	4.250509	4.96128769	800	946	1456
4071	NM_014220	TM4SF1	transmembrane 4 L six family me	-2.437036071	1.479406164	485.229126	199.324203	674.594727	9.64367819	8.36113303	10.20811347	31365	17196	57071
84717	NM_001001520,NM_001348169	HDGFL2	HDGF like 2	1.370035091	1.479351599	34.514272	47.584296	48.410216	6.35527652	6.80473506	6.91453664	3175	5812	5777
79065	NM_001077198,NM_024085,NR	ATG9A	autophagy related 9A	1.365058996	1.479245826	13.80591	18.850995	19.103784	5.69812802	6.13966094	6.25398456	1999	3646	3637
1130	NM_000081,NM_001301365,NR	LYST	lysosomal trafficking regulator	-1.719432431	1.47863545	4.735501	3.146841	5.552623	5.28267998	4.52709643	5.83493376	1489	1157	2708
644961	NR_033926	ACTG1P20	actin gamma 1 pseudogene 20	1.581734256	1.478606447	0.59414	0.95318	0.832508	1.35261029	1.79043244	1.72191206	61	129	111
204851	NM_152696,NM_181358,NM_19	HIPK1	homeodomain interacting protein	1.025908294	1.477794216	5.639812	5.715001	8.63083	5.29021237	5.32618529	5.84172222	1497	2052	2721
340485	NM_001010887	ACER2	alkaline ceramidase 2	-1.058037367	1.477344229	1.249429	1.198197	1.738179	2.16656821	2.10365798	2.62213795	137	173	249
100287902	NR_034040	LGALS8-AS1	LGALS8 antisense RNA 1	-1.335033612	1.477058836	0.798113	0.597725	1.105924	1.08456011	0.8787583	1.40965954	44	44	80
57171	NM_001135917,NM_020438,NR	DOLPP1	dolichyldiphosphatase 1	1.122216522	1.476934487	21.214292	23.720606	29.44564	5.51015299	5.67306183	6.06252949	1750	2624	3179
51170	NM_016245	HSD17B11	hydroxysteroid 17-beta dehydrog	-1.198341327	1.476861502	33.154747	27.695555	46.017883	5.9524941	5.69605597	6.5075083	2392	2667	4345
1062	NM_001286734,NM_001813	CENPE	centromere protein E	-1.126923147	1.476833333	11.993899	10.734323	16.760828	6.64284282	6.47227994	7.20069427	3884	4605	7055
26001	NM_001320356,NM_001320357	RNF167	ring finger protein 167	1.251391502	1.476728738	13.077045	16.449036	19.01447	4.71379852	5.0262753	5.25839655	991	1657	1800
100996246	NR_146452	LINC02361	long intergenic non-protein codin	1.20137804	1.47665503	0.570757	0.697835	0.803089	0.88013425	1.00745609	1.16514558	33	53	60
26137	NM_001164342,NM_001164343	ZBTB20	zinc finger and BTB domain cont	1.694674561	1.476221135	0.092046	0.156462	0.125812	1.80577475	2.38738651	2.22843599	98	222	178
115353	NM_001256409,NM_052940	LRRC42	leucine rich repeat containing 42	1.607620423	1.476197368	20.20671	32.59768	28.32	5.17389443	5.84367804	5.72286727	1378	2960	2502
2627	NM_005257	GATA6	GATA binding protein 6	1.659795927	1.476128598	1.839705	3.059052	2.553827	2.95890107	3.61440811	3.45977198	266	590	483
85439	NM_001256430,NM_033104	STON2	stonin 2	1.207092761	1.47515078	0.75179	1.0491	1.042213	3.38891307	3.63669106	3.90484845	372	600	675
5780	NM_002833	PTPN9	protein tyrosine phosphatase, no	1.227076019	1.475070194	5.463077	6.708982	7.574191	4.45865714	4.74172192	4.99821421	824	1351	1495
63935	NM_022104	PCIF1	PDX1 C-terminal inhibiting factor	1.289493338	1.474857771	10.218282	13.192021	14.165446	4.79942658	5.15458457	5.34327263	1054	1816	1912
9779	NM_001134381,NM_001349073	TBC1D5	TBC1 domain family member 5	1.01487552	1.474821106	3.331739	3.381705	5.022584	4.72634668	4.74685257	5.26928318	1000	1356	1814
23335	NM_015285,NM_052834	WDR7	WD repeat domain 7	1.065059193	1.474399462	1.212951	1.292246	1.681936	3.26442151	3.34617992	3.77555686	338	481	613
147968	NM_144691	CAPN12	calpain 12	1.192191657	1.474339372	1.204651	1.444474	1.675483	2.23060596	2.43393638	2.68852679	145	231	263
79571	NM_024523	GCC1	GRIP and coiled-coil domain con	-1.082887728	1.474280936	2.542521	2.350041	3.522081	3.49049124	3.38618649	4.00872756	402	496	729
4051	NM_000896,NM_001199208,NM	CYP4F3	cytochrome P450 family 4 subfar	-3.225040668	1.473943348	10.719916	3.32312	14.847926	5.00794161	3.41483526	5.55317472	1224	507	2219
2108	NM_000126,NM_001127716	ETFA	electron transfer flavoprotein alp	1.046169483	1.473892238	62.236666	65.548804	86.500827	6.36645416	6.43080098	6.92046829	3200	4473	5801
389765	NR_029410	LOC389765	kinesin family member 27 pseud	-1.589284412	1.473624325	1.099808	0.690995	1.537736	1.54118428	1.1381576	1.93223726	75	63	136
100130361	NM_001145140,NM_001145140	CXorf49	chromosome X open reading frar	-1.28693842	1.473570439	0.38137	0.288682	0.518569	0.7550755	0.61708849	1.01060517	27	28	49
11037	NM_001198595,NM_006873	STON1	stonin 1	1.087777966	1.473449025	0.046989	0.055452	0.070863	0.35634914	0.38406669	0.49997203	11	16	20
2207	NM_004106	FCER1G	Fc fragment of IgE receptor Ig	-1.331809288	1.473449025	0.449235	0.340379	0.671901	0.35634914	0.27464693	0.49997203	11	11	20
101927911	NR_110818	LOC101927911	uncharacterized LOC101927911	2.300688918	1.473449025	0.108855	0.261129	0.155483	0.35634914	0.72085408	0.49997203	11	34	20
3911	NM_005560	LAMA5	laminin subunit alpha 5	-1.094061791	1.473361378	68.197235	62.403645	94.423607	9.56988132	9.44036516	10.1283844	29799	36392	54000
7184	NM_003299	HSP90B1	heat shock protein 90 beta family	-1.060512208	1.472868628	387.03595	365.357452	535.701416	10.07614439	9.99146381	10.63434524	42342	53346	76704
91179	NM_153334,NM_182895	SCARF2	scavenger receptor class F mem	-1.030210978	1.472826496	0.466606	0.458446	0.654883	1.39514558	1.36863803	1.76650173	64	83	116
55667	NM_001330640,NM_017925,NR	DENND4C	DENN domain containing 4C	-1.05398781	1.472754666	3.768401	3.540531	5.389226	4.96623093	4.89285546	5.50989942	1188	1506	2152
80228	NM_001126340,NM_001271818	ORAI2	ORAI calcium release-activated c	-1.023110821	1.472568637	1.599857	1.555821	2.204017	4.14848821	4.1173995	4.68055367	657	858	1190
143684	NM_001330357,NM_144664	FAM76B	family with sequence similarity 76	-1.099438812	1.472321166	5.805064	5.288435	8.039182	4.54619271	4.41553601	5.08439592	878	1067	1590
8863	NM_001289861,NM_001289862	PER3	period circadian clock 3	1.421032892	1.471991158	14.620401	20.775602	20.215043	6.49993314	7.00215532	7.05259645	3514	6672	6362
501	NM_001182,NM_001201377,NM	ALDH7A1	aldehyde dehydrogenase 7 famil	1.026593966	1.471991158	18.61802	19.134834	25.837548	6.49993314	6.53738695	7.05259645	3514	4820	6362
51439	NM_016255	FAM8A1	family with sequence similarity 8	-1.045321844	1.471943698	2.295065	2.198104	3.176968	3.53871843	3.48037129	4.05615567	417	533	755
8939	NM_003934	FUBP3	far upstream element binding pro	1.237993763	1.471742042	19.378078	24.019018	26.806976	5.92066636	6.2242724	6.47058904	2339	3869	4234
8803	NM_003850	SUCLA2	succinate-CoA ligase ADP-formir	1.224498295	1.471627499	9.097447	11.151133	12.582335	4.33483599	4.61389559	4.86921928	753	1232	1363
101927668	NR_110114	LOC101927668	uncharacterized LOC101927668	-5.457538505	1.471566936	2.323721	0.41946	3.258234	1.5285023	0.42561204	1.91649468	74	18	134
1789	NM_001207055,NM_001207056	DNMT3B	DNA methyltransferase 3 beta	1.1133065	1.471514467	3.902705	4.428318	5.486004	4.11706758	4.26345507	4.64755715	642	955	1162
64853	NM_022831	AIDA	axin interactor, dorsalization assc	-1.056834014	1.471272995	14.484934	13.722517	20.03289	5.4399354	5.36206908	5.98634592	1665	2105	3013
22932	NM_012230,NM_152992	POMZP3	POM121 and ZP3 fusion	1.057445616	1.471189456	5.223867	5.563674	7.232932	3.15316384	3.22493445	3.65740237	310	438	561
54584	NM_053004	GNB1L	G protein subunit beta 1 like	1.691890014	1.471015829	13.262016	22.490007	18.35092	4.36724694	5.09708829	4.90156607	771	1743	1395
9600	NM_001130848,NM_004910	PITPNM1	phosphatidylinositol transfer prot	1.231603574	1.470730026	8.711138	10.745301	12.047853	5.20411411	5.49729379	5.74810174	1408	2317	2547
2125	NM_001320747,NM_001988	EVPL	envoplakin	-1.444254179	1.470672197	61.528338	42.690165	85.047462	8.63539732	8.10667909	9.1907148	15573	14407	28169
101927279	NR_110514	EP300-AS1	EP300 antisense RNA 1	-2.121756333	1.47035899	0.303416	0.142209	0.419952	0.49317359	0.25173066	0.6785857	16	10	29
92749	NM_145038	DRC1	dynein regulatory complex subun	-3.503336339	1.47035899	0.160916	0.039282	0.227649	0.49317359	0.15624221	0.6785857	16	6	29
55207	NM_018184	ARL8B	ADP ribosylation factor like GTP	1.269421308	1.470123846	11.098053	14.110261	15.338791	5.05623208	5.39119595	5.59827656	1267	2149	2291
7108	NM_001277233,NM_003273,NR	TM7SF2	transmembrane 7 superfamily me	-1.477068946	1.470026758	17.030355	11.648347	23.434553	4.77681668	4.23890304	5.31578181	1037	938	1875
153527	NM_144723	ZMAT2	zinc finger matrin-type 2	1.268504502	1.469537224	30.578279	38.837051	42.234226	5.62703993	5.9639331	6.17307105	1901	3222	3436
57414	NM_001040456,NM_001040457	RHBDD2	rhomboid domain containing 2	-1.248447265	1.4694221	17.752044	14.438214	25.050944	5.00908319	4.70000624	5.54998966	1225	1311	2214
2314	NM_001256264,NM_001256265	FLII	FLII, actin remodeling protein	-1.417496238	1.469102833	47.894559	33.800502	66.08679	7.67056639	7.17025659	8.2233355	7960	7503	14383
26608	NM_012453	TBL2	transducin beta like 2	-1.137691609	1.46907862	15.207557	13.379196	20.99485	5.52299658	5.34118895	6.0678839	1766	2074	3191
115817	NM_001136050,NM_138452	DHRS1	dehydrogenase/reductase 1	1.080354223	1.468960046	14.514418	15.731977	20.068747	4.45698495	4.5636087	4.99071621	823	1188	1487
116068	NM_001286812,NM_198273	LYSMD3	LysM domain containing 3	1.072050561	1.468883512	5.493011	5.940797	7.594802	4.57268608	4.66898984	5.10797864	895	1282	1617
116254	NM_138785	GINM1	glycoprotein integral membrane	1.355457335	1.468804689	19.200092	26.054605	26.50157	5.34005262	5.7694873	5.88331483	1551	2809	2802
26789	NR_002737	SNORD59A	small nucleolar RNA, C/D box 59	-1.121647032	1.468732586	7.124846	6.357911	9.924208	0.61813834	0.56226574	0.83750224	21	25	38
22824	NM_001317381,NM_001317382	HSPA4L	heat shock protein family A (Hsp	-1.173086837	1.468643567	5.423875	4.626675	7.483592	4.48842972	4.2691718	5.02231705	842	959	1521

90956	NM_052853	ADCK2	aarF domain containing kinase 2	-1.732105221	1.468561847	6.623482	3.825683	9.146944	4.02300634	3.29385837	4.54889714	599	462	1082
51012	NM_001256403,NM_016045	PRELID3B	PRELI domain containing 3B	1.368302433	1.46850373	26.854559	36.259913	36.712873	6.06270057	6.50928233	6.61016492	2585	4726	4669
10009	NM_001184742,NM_006777	ZBTB33	zinc finger and BTB domain cont	1.209875278	1.468445894	5.875789	7.067864	8.110592	4.94610703	5.21284632	5.48543279	1171	1893	2115
2875	NM_005309	GPT	glutamic--pyruvic transaminase	1.179484801	1.467729036	0.34953	0.422727	0.488078	0.73313634	0.83317479	0.98063768	26	41	47
27237	NM_014448	ARHGEF16	Rho guanine nucleotide exchang	-1.124791813	1.467548235	16.489586	14.67749	22.742308	5.57402879	5.40813487	6.11778356	1831	2175	3305
3275	NM_001242864,NM_001242865	PRMT2	protein arginine methyltransferas	1.116921528	1.467508507	18.962353	21.42473	24.432063	5.76249653	5.91924724	6.30739837	2092	3122	3776
5662	NM_001270965,NM_001270966	PSD	pleckstrin and Sec7 domain cont	-2.593862466	1.467280974	0.449703	0.168659	0.616778	1.50279892	0.77006602	1.88448459	72	37	130
401409	NM_001008749	RAB19	RAB19, member RAS oncogene	-2.424477302	1.467048046	0.842095	0.33637	1.168504	0.83964067	0.40498891	1.11084509	31	17	56
64072	NM_001171930,NM_001171931	CDH23	cadherin related 23	1.398919602	1.467048046	0.107119	0.172459	0.116971	0.83964067	1.07428646	1.11084509	31	58	56
5184	NM_000285,NM_001166056,NM	PEPD	peptidase D	1.50659824	1.466836716	46.021305	69.439533	63.500887	6.50762697	7.09359492	7.05529464	3533	7112	6374
79660	NM_001201329,NM_024607	PPP1R3B	protein phosphatase 1 regulatory	1.311374976	1.466812532	1.536535	1.965105	2.101949	3.22173053	3.57571888	3.72448562	327	573	590
10749	NM_006612	KIF1C	kinesin family member 1C	-1.084584767	1.466321752	8.85944	8.179066	12.209694	6.11506471	5.99967658	6.66065085	2682	3304	4837
55752	NM_001306147,NM_018243	SEPT11	septin 11	1.067588175	1.46627253	12.509565	13.369696	17.239971	6.10922116	6.20225632	6.65473245	2671	3810	4817
5783	NM_006264,NM_080683,NM_08	PTPN13	protein tyrosine phosphatase, no	1.433428946	1.466265489	1.908815	2.745051	2.695742	4.08278037	4.5763457	4.60767403	626	1199	1129
3516	NM_005349,NM_015874,NM_20	RBPJ	recombination signal binding prot	1.194284999	1.4662315	12.257405	14.39327	16.490636	6.13035791	6.38316002	6.67592604	2711	4326	4889
30818	NM_001034914,NM_013434	KCNIP3	potassium voltage-gated channel	-1.279617652	1.465891163	0.405423	0.320498	0.578837	1.11880553	0.93737891	1.4430085	46	48	83
23086	NM_001144763,NM_001144764	EXPH5	exophilin 5	-1.856146607	1.465851566	5.297619	2.831707	7.232628	5.73032519	4.86103256	6.27342667	2045	1472	3687
55737	NM_018206	VPS35	VPS35, retromer complex compc	1.231143879	1.465641336	28.462639	35.082344	39.206238	7.1200237	7.41807989	7.66826644	5422	8919	9774
93653	NR_002330	ST7-AS1	ST7 antisense RNA 1	-1.737613589	1.46546353	0.774461	0.439445	1.062684	1.27880673	0.86372326	1.62837236	56	43	101
389541	NM_001008395,NM_001318236	LAMTOR4	late endosomal/lysosomal adapto	-1.447287919	1.465271532	44.444008	30.871873	61.542769	4.81648053	4.30578837	5.35134557	1067	985	1923
3608	NM_001267809,NM_004515	ILF2	interleukin enhancer binding facto	-1.679589896	1.465010995	78.141682	46.473954	107.322499	7.17598467	6.43462146	7.72373502	5638	4485	10159
79443	NM_024513	FYCO1	FYVE and coiled-coil domain con	1.082924757	1.464964213	2.602602	2.821453	3.584814	4.49821892	4.60826865	5.02873806	848	1227	1528
157506	NM_172037	RDH10	retinol dehydrogenase 10	1.317272897	1.464676114	6.046866	7.979343	8.332144	4.6062649	4.98952124	5.13798608	917	1614	1652
4720	NM_001166159,NM_004550	NDUFS2	NADH:ubiquinone oxidoreductas	1.059058704	1.464610547	36.442003	38.659893	50.073019	6.20647461	6.28817029	6.75079877	2860	4047	5152
22820	NM_016128	COPG1	coatomer protein complex subun	1.289485039	1.46394631	53.811592	69.461815	74.027496	7.34032918	7.70512969	7.88737578	6323	10894	11385
2931	NM_019884	GSK3A	glycogen synthase kinase 3 alpha	1.048820674	1.463829919	21.238598	22.294138	29.214216	5.52539208	5.59270531	6.06520918	1769	2479	3185
5191	NM_000288	PEX7	peroxisomal biogenesis factor 7	-1.103850867	1.463793849	6.453367	5.849239	8.885231	3.3677101	3.23956766	3.872576	366	443	659
24142	NM_001200016,NM_001200018	NAT6	N-acetyltransferase 6	-1.171196617	1.463299252	4.849963	4.598635	6.596843	2.97768275	2.78063431	3.46789548	270	308	486
84823	NM_032737	LMNB2	lamin B2	1.225284498	1.46313202	49.209	60.366322	67.662033	7.80423171	8.09616447	8.35125296	8736	14302	15721
3073	NM_000520,NM_001318825,NR	HEXA	hexosaminidase subunit alpha	1.062234097	1.463042358	36.161131	38.351328	49.39777	6.59898369	6.67320833	7.13121138	3735	5301	6721
51292	NM_001002000,NM_001002001	GMPR2	guanosine monophosphate reduc	1.212534724	1.463008408	24.086947	29.661841	33.134068	5.54205009	5.81465343	6.08118363	1790	2900	3221
9306	NM_004232	SOCS6	suppressor of cytokine signaling	-1.021110409	1.46296668	11.529161	11.304181	15.85155	6.05829583	6.02861267	6.60034496	2577	3372	4637
22822	NM_007350	PHLDA1	pleckstrin homology like domain	1.14371035	1.462839348	95.206398	109.010231	130.877731	9.10095866	9.29435112	9.64890085	21519	32884	38717
11212	NM_001349346,NM_001349347	PLPBP	pyridoxal phosphate binding prot	1.228622282	1.462784114	5.924333	7.135835	7.810264	3.86553291	4.14408903	4.38268287	533	875	959
51776	NM_016653,NM_133646	ZAK	sterile alpha motif and leucine zip	1.181518245	1.462694481	8.543089	9.343018	10.136904	5.46677296	5.70240807	6.00507466	1697	2679	3053
201595	NM_178862	STT3B	STT3B, catalytic subunit of the ol	1.070636342	1.462661455	31.982374	34.279507	43.963364	7.15267258	7.25047383	7.69806688	5547	7935	9979
206358	NM_001308150,NM_001308151	SLC36A1	solute carrier family 36 member	1.705267366	1.462408116	1.564869	2.658551	2.141617	3.30216484	4.01053992	3.80364308	348	793	626
25939	NM_015474	SAMHD1	SAM and HD domain containing	-1.445103533	1.462256718	3.579368	2.47962	4.920657	3.60061161	3.12128662	4.11082387	437	404	786
10253	NM_001318536,NM_001318537	SPRY2	sprouty RTK signaling antagonist	-1.412103007	1.4621354	3.171198	2.066643	4.221576	3.01452812	2.58825016	3.5052118	278	263	500
4891	NM_000617,NM_001174125,NM	SLC11A2	solute carrier family 11 member 2	-1.278605186	1.462110638	14.152186	11.130641	19.255981	5.80583878	5.45841569	6.3457406	2157	2254	3879
11059	NM_007013	WWP1	WW domain containing E3 ubiqu	1.100508861	1.46198451	9.152613	10.088284	12.580545	5.23273681	5.3674088	5.76852445	1437	2113	2584
23381	NM_001323614,NM_001323615	SMG5	SMG5, nonsense mediated mRN	1.22435076	1.461786508	21.983348	27.053702	30.340877	6.62842965	6.91777938	7.17156155	3845	6290	6913
3127	NM_002125	HLA-DRB5	major histocompatibility complex,	2.738059699	1.461765993	0.660862	1.844049	0.911322	0.81895953	1.63086207	1.08290869	30	110	54
59338	NM_001001974,NM_001195608	PLEKHA1	pleckstrin homology domain cont	-1.25201125	1.461284879	5.559942	4.616216	7.821209	4.47527325	4.16723545	5.00194865	834	890	1499
79541	NM_030908	OR2A4	olfactory receptor family 2 subfan	2.08978529	1.460907986	0.295857	0.620315	0.404644	0.59399636	1.04792463	0.80366934	20	56	36
100527943	NM_001199535	TGIF2-C20orf24	TGIF2-C20orf24 readthrough	1.457001873	1.460907986	0.466149	0.695074	0.651458	0.59399636	0.80196545	0.80366934	20	39	36
100996419	NR_134283	LOC100996419	uncharacterized LOC100996419	1.079911082	1.460779365	1.409309	1.523287	1.939807	1.59082596	1.66595383	1.97845985	79	114	142
9253	NM_001289979,NM_001289980	NUMBL	NUMB like, endocytic adaptor pro	-2.596754112	1.460778686	7.611	2.931349	10.442861	4.77815653	3.48283341	5.30826105	1038	534	1865
100287042	NR_036520	LOC100287042	uncharacterized LOC100287042	1.093337916	1.460547464	1.280551	1.408373	1.764748	2.09095564	2.19057252	2.52685524	128	187	230
5098	NM_002588,NM_032402,NM_03	PCDHGC3	protocadherin gamma subfamily	1.155558502	1.460295716	5.639263	5.994867	7.512331	4.62871952	4.82945947	5.15653336	932	1439	1674
4520	NM_005955	MTF1	metal regulatory transcription fac	1.224164909	1.460244953	2.185738	2.681805	3.002155	4.16906145	4.44613902	4.68984427	667	1091	1198
9372	NM_004799,NM_007324	ZFYVE9	zinc finger FYVE-type containing	1.178783062	1.460120929	1.774915	2.135192	2.438767	3.32067256	3.53596345	3.82065902	353	556	634
649446	NR_024101	DLGAP1-AS1	DLGAP1 antisense RNA 1	1.153144274	1.45999764	7.731549	8.92532	10.615346	3.08551061	3.26839621	3.57706795	294	453	528
4217	NM_005923	MAP3K5	mitogen-activated protein kinase	-1.298978885	1.459489626	7.222366	5.565835	9.908095	5.23078096	4.86481307	5.76413316	1435	1476	2576
51719	NM_001130849,NM_001130850	CAB39	calcium binding protein 39	1.04413774	1.45945809	30.922276	32.321119	42.548841	6.86211879	6.92390793	7.40365332	4528	6317	8128
23463	NM_012405	ICMT	isoprenylcysteine carboxyl methy	1.037614427	1.459368	21.062243	21.879498	28.884554	6.64026642	6.69301391	7.18106348	3877	5375	6959
10549	NM_006406	PRDX4	peroxiredoxin 4	1.330026882	1.45931383	33.51572	44.621124	45.950165	4.95679582	5.35670952	5.4874321	1180	2097	2118
83478	NM_001025616,NM_001042669	ARHGAP24	Rho GTPase activating protein 2	1.511205634	1.459274355	1.153821	1.775593	1.58195	2.63728034	3.15255179	3.10785943	205	414	368
80224	NM_001201573,NM_001201574	NUBPL	nucleotide binding protein like	1.293619268	1.459262288	4.419136	5.670138	6.057862	3.81159508	4.15956116	4.32422401	512	885	919
22803	NM_001317960,NM_012255	XRN2	5'-3' exoribonuclease 2	1.637503924	1.459141123	20.299643	33.340153	27.898759	6.12615526	6.82961202	6.66477934	2703	5914	4851
85027	NM_032947	SMIM3	small integral membrane protein	-1.169520908	1.459013672	3.37484	2.89209	4.634624	3.11973375	2.92160616	3.6169701	302	345	542
57085	NM_001040194,NM_001040195	AGTRAP	angiotensin II receptor associate	1.371408146	1.458951855	27.743715	37.97805	38.180728	5.05402149	5.49760253	5.58526687	1265	2318	2270
55784	NM_001159643,NM_001159644	MCTP2	multiple C2 and transmembrane	-1.505427243	1.458703187	2.46474	1.629759	3.211226	4.07407972	3.52644784	4.59165471	622	552	1116
6337	NM_001038,NM_001159575,NM	SCNN1A	sodium channel epithelial 1 alpha	-1.218573198	1.458432846	78.008787	63.497537	106.738989	8.0313311	7.74733971	8.5740206	10232	11219	18354
23035	NM_001289003,NM_015020	PHLPP2	PH domain and leucine rich repe	1.28261467	1.45841773	1.846824	2.370177	2.52912	3.99562384	4.33469951	4.5113985	587	1006	1053
101927851	NR_125945	LOC101927851	uncharacterized LOC101927851	1.047302025	1.45835299	0.276998	0.287781	0.388207	0.3273552	0.3412894	0.45708734	10	14	18
100507557	NR_038244,NR_038245,NR_03	LOC100507557	uncharacterized LOC100507557	-6.301587867	1.45835299	0.063572	0.009555	0.08629	0.3273552	0.05398282	0.45708734	10	2	18
208	NM_001243027,NM_001243028	AKT2	AKT serine/threonine kinase 2	-1.090501404	1.458174679	20.738663	19.091861	28.347683	6.74401371	6.62023634	7.28395409	4169	5108	7477
7026	NM_001145155,NM_001145156	NR2F2	nuclear receptor subfamily 2 grou	1.44909641	1.458054954	22.778623	32.395566	29.453599	6.61462121	7.14521738	7.15404705	3808	7373	6829
9692	NM_001256678,NM_001256679	KIAA0391	KIAA0391	1.255755079	1.45780348	9.47151	16.903036	16.087419	4.6997269	5.01696186	5.2260334	981	1646	1759
140564	NM_152426	APOBEC3D	apolipoprotein B mRNA editing e	1.175812632	1.457515232	0.656911	0.769039	0.894841	1.38110603	1.52971203	1.73991364	63	99	113
2935	NM_001130006,NM_001130007	GSPT1	G1 to S phase transition 1	2.131762457	1.457463805	14.832801	31.650438	20.304941	6.70439259	7.78909605	7.24351633	4055	11550	7269
10730	NM_001253866,NM_014263,NM	YME1L1	YME1 like 1 ATPase	1.186911728	1.457412214	31.003829	37.283692	42.728489	7.01455582	7.26001507	7.55446864	5037	7988	9029
93	NM_001106	ACVR2B	activin A receptor type 2B	-1.200862515	1.457276088	1.040011	0.867331	1.426566	3.64828273	3.40707821	4.15509812	453	504	812
100129716	NR_027435	ARRDC3-AS1	ARRDC3 antisense RNA 1	1.45142249	1.457201407	0.355095	0.514122	0.486533	0.89996265	1.1751656	1.17840727	34	66	61
57724	NM_020964	EPG5	ectopic P-granules autophagy pr	-1.249863753	1.457149176	2.656455	2.127974	3.637902	5.08141332	4.7702214	5.61116998	1290	1379	2312
80700	NM_001171091,NM_025241	UBXN6	UBX domain protein 6	1.109060842	1.457082887	23.321937	25.902423	31.949822	5.47588428	5.62204021	6.0087914	1708	2531	3061
9546	NM_004886	APBA3	amyloid beta precursor protein bi	1.143973784	1.456857627	7.224184	8.266553	9.891512	4.01620928	4.19002895	4.53091599	596	911	1068
146664	NM_001199172,NM_144677,NM	GMAT5B	mannosyl (alpha-1,6-)-glycoprote	-2.254605049	1.456139054	1.302355	0.562076	1.772505	2.64317467	1.73367602	3.11132089	206	122	369
7384	NM_003365	UQCRC1	ubiquinol-cytochrome c reductase	1.306063999	1.4560793	45.185741	59.080074	61.822853	6.17274361	6.55328797	6.70857291	2793	4874	5002
3588	NM_000628	IL10RB	interleukin 10 receptor subunit be	-1.018398298	1.455329496	11.234526	11.052998	15.372296	4.49006587	4.46494141	5.01124268	843	1106	1509
78991	NM_001301054,NM_001301057	PCYOX1L	prenylcysteine oxidase 1 like	1.171000991	1.45530675	12.615637	14.948624	17.40952	5.02384223	5.24511195	5.55126453	1238	1937	2216
29940	NM_001080976,NM_001322937	DSE	dermatan sulfate epimerase	1.314237879	1.455056835	10.773309	14.043291	14.681896	5.43908863	5.82536371	5.96975643	1664	2922	2978
157769	NM_001317917,NM_001317918	FAM91A1	family with sequence similarity 9	1.181140063	1.454970433	22.262645	27.183598	30.443998	6.81328826	7.05150499	7.35027257	4376	6906	7831
114659	NM_001321350,NM_052888	LRRC37B	leucine rich repeat containing 37	-1.131955118	1.454613403	3.670098	3.126212	4.922478	3.56999691	3.40707821	4.07226969	427	504	764
284454	NR_036515	LOC284454	uncharacterized LOC284454	-1.121233675	1.454434039	20.463827	18.271595	27.96859	5.18403815	5.02374123	5.71207875	1388	1654	2483
100505894	NR_039993,NR_039994,NR_03	TMEM161B-AS1	TMEM161B antisense RNA 1	1.140369353	1.454295619	4.030142	5.102007	6.944267	2.24618091	2.3978615	2.68852679	147	224	263
26205	NM_012384	GMEB2	glucocorticoid modulatory elemer	1.174241788	1.454184424	7.382655	8.675209	10.087205	4.99301815	5.218028	5.51904993	1211	1900	2166
55654	NM_001193304,NM_017849	TMEM127	transmembrane protein 127	1.459551179	1.453913158	9.645112	14.05403	13.139883	5.45760375	5.9927829	5.98728816	1686	3288	3015
105376306	NR_135119	LOC105376306	uncharacterized LOC105376306	1.318710559	1.45359496	1.757935	2.3454	2.433892	0.97665845	1.18729361	1.26797492	38	67	68
64089	NM_001348189,NM_022133,NM	SNX16	sorting nexin 16	-1.18612343	1.453466088	3.543825	3.063737	4.886876	3.61867338	3.39405638	4.12116227	443	499	792
84418	NM_032412	CYSTM1	cysteine rich transmembrane mo	-1.524836446	1.453441561	61.996189	40.690575	84.681221	5.80583878	5.21061989	6.33726668	2157	1890	3856
26052	NM_001136127,NM_001278252	DNM3	dynamin 3	-1.335715559	1.45344473	0.411443	0.394527	0.829234	2.00201503	1.70021226	2.42483178	118	118	211
285598	NM_001317948,NM_173664	ARL10	ADP ribosylation factor like GTP	3.538161119	1.453327047	0.051219	0.220211	0.098026	0.17294258	0.54351856	0.24657076	5	24	9
105372483	NR_136527	LOC105372483	uncharacterized LOC105372483	2.365758913	1.453327047	0.143213	0.409891	0.23691	0.17294258	0.38406869	0.24657076	5	16	9
407018	NR_029501	MIR27A	microRNA 27a	-1.110794961	1.453327047	1.401378	1.28886	2.288578	0.17294258	0.15624221	0.24657076	5	6	9
4886	NM_000909	NPY1R	neuropeptide Y receptor Y1	-1.110794961	1.453327047	0.035552	0.03976	0.054059	0.17294258	0.15624221	0.24657076	5	6	9
55201	NM_001308363,NM_018174	MAP1S	microtubule associated protein 1	-1.002422648	1.453147253	11.928735	11.916874	16.283302	5.30608931	5.3026865	5.83388654	1514	2018	2706
139322	NM_198450	APOOL	apolipoprotein O like	-1.264551834	1.453085562	5.073549	4.016765	6.930665	5.04291747	4.71579131	5.56836587	1255	1326	2243

23245	NM_001184734,NM_001184735	ASTN2	astrotactin 2	1.456696507	1.452969024	0.658697	1.727682	2.158781	1.9554003	2.37683491	2.37386535	113	220	202
6603	NM_001098426,NM_001330439	SMARCD2	SWI/SNF related, matrix associa	-1.035882332	1.452737861	51.025224	49.308742	69.775193	7.11499574	7.06450799	7.65053232	5403	6969	9654
89953	NM_001289034,NM_001289035	KLC4	kinesin light chain 4	-1.118529075	1.45238329	4.421329	4.804089	7.187744	3.70573844	3.55714683	4.20940382	473	565	845
63939	NM_001190826,NM_001190827	FAM217B	family with sequence similarity 2	1.036554959	1.452302886	2.274528	2.313955	3.04641	3.5668994	3.61440811	4.06693155	426	590	761
10565	NM_006421	ARFGEF1	ADP ribosylation factor guanine	-1.125220369	1.452018216	9.098251	8.093029	12.415994	6.02256521	5.85512633	6.55371946	2513	2984	4488
113177	NM_001031735,NM_001039846	IZUMO4	IZUMO family member 4	1.316792609	1.451975329	1.941328	2.589856	2.701624	1.54118428	1.81408935	1.91649468	75	132	134
3074	NM_000521,NM_001292004	HEXB	hexosaminidase subunit beta	1.175985782	1.451955277	72.401802	85.198363	98.733732	7.07712516	7.30940035	7.6118021	5262	8268	9397
498	NM_001001935,NM_001001937	ATP5A1	ATP synthase, H+ transporting,	1.279708294	1.451783175	98.652628	127.529987	135.693626	7.56187068	7.9160204	8.09732548	7379	12617	13176
105376805	NR_135056,NR_135057,NR_135	LOC105376805	uncharacterized LOC105376805	-1.229319358	1.451380358	13.120034	9.855807	16.825475	2.71768687	2.46913115	3.18544464	219	238	391
127428	NM_153035,NR_130900	TCEANC2	transcription elongation factor A	1.223325864	1.451342156	1.402252	1.685981	1.863619	3.16140171	3.42255083	3.64789978	312	510	557
1429	NM_001130042,NM_001130043	CRYZ	crystallin zeta	-1.243289189	1.451233708	21.001322	16.755249	28.824493	5.5459881	5.2392989	6.07366218	1795	1929	3204
55771	NM_018304	PRR11	proline rich 11	-1.0452789	1.45088702	11.589245	11.098998	15.80252	6.21045	6.14744153	6.74133532	2868	3666	5118
83667	NM_031459	SESN2	sestrin 2	1.3310212	1.450880932	7.293379	9.718954	9.943759	4.70396282	5.10270203	5.22363661	984	1750	1756
23255	NM_015210	MTCL1	microtubule crosslinking factor 1	-2.55654778	1.450638339	13.869834	5.42975	18.907417	6.379754	5.05220335	6.91106522	3230	1688	5763
10994	NM_006844	ILVBL	ilvB acetolactate synthase like	1.338436491	1.450569015	21.36458	28.632914	29.124683	5.62926888	6.04244873	6.15683176	1904	3405	3397
1164	NM_001827	CKS2	CDC28 protein kinase regulatory	-1.016541074	1.450484295	230.048187	226.55481	313.564819	7.11870225	7.09520497	7.65201852	5417	7120	9664
80318	NM_001135953,NM_025211	GKAP1	G kinase anchoring protein 1	1.18855812	1.450407849	2.251941	2.633049	3.013375	2.29192162	2.49375478	2.73414401	153	243	273
10520	NM_001265597,NM_001265598	ZNF211	zinc finger protein 211	1.086799993	1.450369357	9.099129	9.637283	11.93736	5.0976022	5.2143287	5.62091677	1305	1895	2328
5570	NM_001270393,NM_001270394	PKIB	cAMP-dependent protein kinase	1.481688341	1.450243012	1.400379	2.185315	1.929529	1.84721644	2.278228	2.2537152	102	202	182
79577	NM_024529	CDC73	cell division cycle 73	1.358014664	1.450118073	7.833779	10.651875	10.67771	5.53334846	5.96663422	6.05984481	1779	3228	3173
100128640	NR_028389	ACVR2B-AS1	ACVR2B antisense RNA 1	2.320446056	1.450074532	0.284499	0.670162	0.395329	0.77668602	1.41062362	1.02535867	28	87	50
4935	NM_000273	GPR143	G protein-coupled receptor 143	-7.30206498	1.450074532	0.426966	0.04623	0.577841	0.77668602	0.13134883	1.02535867	28	5	50
1856	NM_004422	DVL2	dishevelled segment polarity prot	1.233620986	1.449996355	6.923184	8.557851	9.441629	4.4162598	4.706341	4.93124635	799	1317	1425
79991	NM_024928	STN1	STN1, CST complex subunit	-1.688749331	1.449824339	4.096601	2.427894	5.580179	4.74702075	4.02750389	5.26618109	1015	803	1810
2948	NM_000850,NM_147148,NR_02	GSTM4	glutathione S-transferase mu 4	1.385058276	1.449625828	1.361178	1.928005	1.882366	1.5285023	1.85267538	1.90057841	74	137	132
51566	NM_016607,NM_177947,NM_17	ARMCX3	armadillo repeat containing, X-lin	1.146000318	1.449625655	7.581981	8.682945	10.294115	4.6940596	4.883568	5.21239866	977	1496	1742
10682	NM_006579	EBP	emopamil binding protein (sterol	1.005416436	1.449343082	39.821747	40.097858	54.248848	5.51979639	5.52742062	6.04544154	1762	2367	3141
768211	NM_001085399,NM_001085400	RELL1	RELT like 1	1.076997156	1.449318299	3.435415	3.695188	4.933011	3.64240927	3.741163	4.14161942	451	649	804
54101	NM_020639	RIPK4	receptor interacting serine/threon	1.330011388	1.449122601	19.214993	25.582573	26.166414	6.19849084	6.60506016	6.72758668	2844	5054	5069
122416	NM_001348651,NM_001348652	ANKRD9	ankyrin repeat domain 9	-1.095818909	1.448886351	3.895667	3.575132	5.292054	4.26583542	4.14097459	4.77742372	716	873	1276
54681	NM_177938,NM_177939	P4HTM	prolyl 4-hydroxylase, transmembi	-1.165740808	1.44873736	16.273617	13.983509	22.422826	5.14302819	4.92851423	5.66515841	1348	1545	2402
10773	NM_006626	ZBTB6	zinc finger and BTB domain cont	1.102363251	1.448656881	4.352134	4.804218	5.925873	4.20138033	4.33469951	4.71167259	683	1006	1217
8559	NM_003675	PRPF18	pre-mRNA processing factor 18	1.241489919	1.448431349	8.485837	10.563623	11.566102	3.91752664	4.21095882	4.42223881	554	919	987
5962	NM_001260492,NM_001260493	RDX	radixin	-1.00173445	1.448337731	16.389105	16.396235	22.24062	6.17833593	6.17587027	6.70657186	2804	3740	4995
2306	NM_004474	FOXD2	forkhead box D2	-1.332724173	1.448286768	0.07502	0.056375	0.102719	0.43999062	0.3412894	0.60191771	14	14	25
4056	NM_145867	LTC4S	leukotriene C4 synthase	1.440045618	1.448286768	0.539792	0.791254	0.729782	0.43999062	0.59904473	0.60191771	14	27	25
26994	NM_014372	RNF11	ring finger protein 11	1.377455744	1.448029351	14.88023	20.523634	20.250483	5.50934646	5.96267072	6.03363206	1749	3219	3115
489	NM_005173,NM_174953,NM_17	ATP2A3	ATPase sarcoplasmic/endoplasm	-2.036743969	1.447961708	0.461362	0.225302	0.6324	1.6852613	1.06116576	2.07380058	87	57	155
57532	NM_020772	NUFIP2	NUFIP2, FMR1 interacting protei	1.044491156	1.447553083	27.996826	29.275393	38.084625	8.21716082	8.27975514	8.74928168	11644	16250	20731
205327	NM_153689	C2orf69	chromosome 2 open reading fran	-1.061505851	1.447529572	6.449646	6.08844	8.777884	4.61078387	4.52828878	5.12605789	920	1158	1638
26470	NM_001114099,NM_001114100	SEZ6L2	seizure related 6 homolog like 2	1.625518814	1.447346769	15.417452	25.749297	21.149217	5.7597863	6.45043212	6.28496741	2088	4535	3717
80148	NM_001146343,NM_001146345	PQLC1	PQ loop repeat containing 1	-1.147334235	1.447209964	17.250248	15.081072	23.68036	5.41947445	5.22613324	5.94232417	1641	1911	2921
100093631	NR_003580,NR_003580_dup1	GTF2IP4	general transcription factor III pa	-1.367814222	1.446864924	30.420156	22.263088	41.357071	6.76409988	6.31708818	7.29293658	4228	4130	7524
51271	NM_001171201,NM_001171202	UBAP1	ubiquitin associated protein 1	1.41195926	1.446816918	12.038358	17.026833	16.321641	5.04959013	5.5345584	5.56899537	1261	2379	2244
10285	NM_005871	SMNDC1	survival motor neuron domain co	1.107841178	1.446642916	18.576882	20.603561	25.251289	5.23664058	5.38067227	5.75752106	1441	2133	2564
201931	NM_001100389	TMEM192	transmembrane protein 192	1.308064119	1.446601837	3.322576	4.347679	4.517354	3.95828615	4.32375395	4.46209528	571	998	1016
27020	NM_001161363,NM_001161364	NPTN	neuroplastin	1.380623738	1.446363541	45.858426	62.983807	61.984717	6.57199855	7.03314362	7.09975487	3696	6818	6575
51199	NM_016350,NM_020921,NM_18	NIN	ninein	1.131666296	1.446249862	5.268278	5.776338	9.620043	5.63223546	5.80730511	6.15557498	1908	2885	3394
90780	NM_138300	PYGO2	pygopus family PHD finger 2	-1.014336245	1.446117358	12.261703	12.104173	16.669271	5.28456677	5.26455989	5.8053204	1491	1964	2652
7841	NM_001146158,NM_006302	MOGS	mannosyl-oligosaccharide glucos	1.349185992	1.446108003	31.548319	42.949352	42.991187	6.49097293	6.91891626	7.01820583	3492	6295	6211
4041	NM_001291902,NM_002335	LRP5	LDL receptor related protein 5	1.337223693	1.44597625	25.238364	33.794855	34.304446	6.99797708	7.41437652	7.52654553	4979	8896	8855
5782	NM_001131008,NM_001131009	PTPN12	protein tyrosine phosphatase, no	-2.025170762	1.445777661	46.531249	23.033043	63.194077	7.19942618	6.19138345	7.72825082	5731	3781	10191
54823	NM_001105518,NM_017673	SWT1	SWT1, RNA endoribonuclease h	1.030604199	1.445754689	0.826906	0.85477	1.138915	2.03825186	2.07130288	2.45783582	122	168	217
8743	NM_001190942,NM_001190943	TNFSF10	TNF superfamily member 10	2.352842212	1.445566033	3.844954	8.99683	5.245399	3.04155747	4.1718205	3.51830855	284	893	505
7150	NM_003286	TOP1	topoisomerase (DNA) I	1.422724859	1.445022033	51.233433	72.973015	69.573601	7.5501545	8.0565285	8.07888022	7319	13913	13008
9328	NM_001122823,NM_001286709	GTF3C5	general transcription factor IIIC s	1.107755562	1.444890247	34.00018	37.636775	46.073986	6.33993461	6.48584542	6.86541598	3141	4649	5582
9528	NM_001305043,NM_001305049	TMEM59	transmembrane protein 59	1.143872874	1.444467276	17.48663	21.784852	24.765885	6.7889037	6.98119295	7.31543251	4302	6575	7643
56949	NM_020196	XAB2	XPA binding protein 2	1.042391089	1.444288661	30.22447	31.539959	41.02713	6.30643285	6.36559004	6.83118973	3068	4273	5450
25836	NM_015384,NM_133433	NIPBL	NIPBL, cohesin loading factor	1.14904847	1.444128692	4.040563	4.670092	5.520836	5.35987438	5.55576227	5.87925987	1573	2415	2794
10380	NM_001286149,NM_001286150	BPNT1	3'(2'), 5'-bisphosphate nucleotida	1.060205078	1.443951804	9.510156	10.382801	12.915348	4.56959435	4.65049289	5.08086917	893	1265	1586
3783	NM_002250	KCNN4	potassium calcium-activated cha	-1.470771295	1.443902182	70.406776	47.920124	95.535179	7.27207275	6.71987533	7.79018158	6029	5477	10707
2771	NM_001166425,NM_001282617	GNAI2	G protein subunit alpha i2	1.384957844	1.443265176	39.038511	54.163499	52.834595	6.44067162	6.90590237	6.96491258	3371	6238	5984
727758	NR_033770	ROCK1P1	Rho associated coiled-coil contai	1.681183577	1.443215087	2.411672	4.060842	3.268843	2.76169834	3.42255083	3.22432601	227	510	403
25960	NM_032777	ADGRA2	adhesion G protein-coupled rece	-1.333473374	1.44266673	0.07787	0.058441	0.105905	0.54446555	0.42561204	0.73352601	18	18	32
103724388	NR_125772	LINC01068	long intergenic non-protein codin	1.039258885	1.44266673	0.727963	0.747525	0.988585	0.54446555	0.56226574	0.73352601	18	25	32
64215	NM_022365	DNAJC1	DnaJ heat shock protein family (H	1.329250636	1.442623296	14.740993	19.621479	19.991293	4.95561208	5.35469454	5.47001198	1179	2094	2092
5127	NM_001170460,NM_006201,NM	CDK16	cyclin dependent kinase 16	1.270652345	1.442598303	24.434501	31.263476	33.183282	6.27023148	6.61182485	6.79317142	2991	5078	5307
65056	NM_001127235,NM_001127236	GPBP1	GC-rich promoter binding protein	1.001927038	1.442296661	29.45698	29.389639	40.951553	7.04854109	7.05129764	7.57357268	5158	6905	9150
26207	NM_012417,NM_181671	PITPNC1	phosphatidylinositol transfer prot	-1.153846939	1.441565956	1.014524	0.885834	1.378421	2.86618866	2.68977954	3.33208871	247	286	438
51026	NM_016072	GOLT1B	golgi transport 1B	-1.393174798	1.441263156	18.147728	13.038939	24.582024	5.87822053	5.40942966	6.3980468	2270	2177	4024
163259	NM_001256404,NM_198459	DENND2C	DENN domain containing 2C	1.257394536	1.441188591	0.560294	0.710052	0.759638	1.79522562	2.03820547	2.18966672	97	163	172
5784	NM_005401	PTPN14	protein tyrosine phosphatase, no	1.054464939	1.440469221	3.672531	3.878055	4.972683	5.61734115	5.69233762	6.13489105	1888	2660	3345
257364	NM_001318146,NM_153271	SNX33	sorting nexin 33	1.059637571	1.440406033	6.336478	6.729249	8.609793	4.39021014	4.46991427	4.89555604	784	1110	1389
100505641	NR_046251,NR_046252,NR_04	FGD5-AS1	FGD5 antisense RNA 1	1.083566454	1.439836791	13.996374	15.357661	18.967084	5.71990486	5.83358571	6.23744823	2030	2939	3595
3693	NM_002213	ITGB5	integrin subunit beta 5	2.165980375	1.43977791	33.595047	72.848274	45.453453	7.17267734	8.28231923	7.69547477	5625	16279	9961
2643	NM_000161,NM_001024024,NM	GCH1	GTP cyclohydrolase 1	1.151819244	1.439574816	3.97792	4.332748	5.193672	3.51641288	3.70365887	4.00314859	410	631	726
5257	NM_000293,NM_001031835	PHKB	phosphorylase kinase regulatory	-1.325059348	1.439544902	12.886264	9.787693	17.45926	6.15531992	5.75580975	6.67475675	2759	2792	4885
9454	NM_001145721,NM_001145722	HOMER3	homer scaffolding protein 3	-1.146216062	1.439247011	12.051492	10.844257	16.866391	4.4636621	4.276286	4.9689398	827	964	1464
374920	NM_199341	C19orf68	chromosome 19 open reading fra	1.142850119	1.439224781	3.771526	4.317801	5.102972	3.82721276	4.00712306	4.32123795	518	791	917
2012	NM_001423	EMP1	epithelial membrane protein 1	-1.453530639	1.438983804	313.12973	215.660995	423.428802	9.74123325	9.20243398	10.26577074	33562	30851	59400
60313	NM_021639	GPBP1L1	GC-rich promoter binding protein	-1.019336996	1.438943307	31.95051	31.381968	43.206398	6.87407247	6.84667854	7.3953363	4566	5985	8081
9517	NM_004863	SPTLC2	serine palmitoyltransferase long	-1.135476545	1.438818498	17.025904	15.013245	23.022104	7.09120758	6.90933848	7.6128709	5314	6253	9404
12	NM_001085	SERPINA3	serpin family A member 3	3.787324545	1.438580807	2.066967	7.854319	2.794424	2.07360076	3.71835988	2.4901017	126	638	223
10238	NM_005828,NR_073585	DCAF7	DDB1 and CUL4 associated fact	-1.069650127	1.43851687	30.899369	28.715861	37.982996	7.32276228	7.22624911	7.84460255	6246	7802	11051
84313	NM_032353	VPS25	vacuolar protein sorting 25 homo	1.303127544	1.437989783	48.31934	63.042816	65.304329	5.72408203	6.09971488	6.2398222	2036	3545	3601
6892	NM_003190,NM_172208,NM_17	TAPBP	TAP binding protein	-1.007800163	1.437930276	43.90058	43.814398	59.9189	7.30730079	7.29616205	7.82852566	6179	8192	10928
84669	NM_032582	USP32	ubiquitin specific peptidase 32	1.155098566	1.437927152	8.413856	9.728488	11.370461	5.87195953	6.07667303	6.38844962	2260	3488	3997
57048	NM_001201576,NM_020360	PLSCR3	phospholipid scramblase 3	1.485967864	1.43775159	9.702815	14.29378	12.999123	4.34752691	4.89562996	4.84966451	760	1509	1344
441263	NR_023383	DTX2P1-UPK3BP1-PMS2P11	DTX2P1-UPK3BP1-PMS2P11 re	-2.198886003	1.437742536	9.870119	4.493092	13.346922	4.16497021	3.12128662	4.66414974	665	404	1176
11163	NM_001301022,NM_001301023	NUDT4	nudix hydrolase 4	1.077699385	1.437656158	11.531499	12.444482	15.583731	5.78332993	5.88940006	6.29907501	2123	3057	3754
79873	NM_024815	NUDT18	nudix hydrolase 18	1.144877298	1.437641788	2.296944	2.632715	3.117144	2.14180175	2.29513766	2.56269567	134	205	237
3574	NM_000880,NM_001199886,NM	IL7	interleukin 7	-4.312792673	1.437531367	0.655167	0.147333	0.879423	1.21691895	0.38406669	1.53866543	52	16	92
56254	NM_019592	RNF20	ring finger protein 20	1.364435475	1.437528733	12.1949	16.65085	16.46777	5.5786497	6.01889027	6.0930946	1837	3349	3248
113452	NM_001329722,NM_001329723	TMEM54	transmembrane protein 54	-1.178425666	1.437371796	40.959813	34.833651	55.207075	5.46011023	5.22906934	5.97356517	1689	1915	2986
1954	NM_001271938,NM_001410	MEGF8	multiple EGF like domains 8	1.289114549	1.437338727	4.228386	5.456899	5.71022	5.553832	5.913327	6.0678839	1805	3109	3191
11238	NM_007220	CA5B	carbonic anhydrase 5B	-1.028153541	1.437331406	0.893926	0.873684	1.21111	2.64904502	2.61543261	3.10091148	207	269	366
84168	NM_018153,NM_032208,NM_05	ANTXR1	anthrax toxin receptor 1	2.327004871	1.43730313	5.945807	12.549122	6.862105	4.57422946	5.75784426	5.07910255	896	2786	1584
9227	NM_001301645,NM_004744	LRAT	lecithin retinol acyltransferase (pl	1.027606516	1.437260581	2.779577	2.864383	3.611089	3.79050499	3.82699692	4.28184606	504	692	891
8357	NM_003536	HIST1H3H	histone cluster 1 H3 family memb	1.878271481	1.437217832	2.106132	4.044401	2.884874	0.99521185	1.52015496	1.28032816	39	98	69

55553	NM_001145811,NM_001145819	SOX6	SRY-box 6	2.0051132	1.436858458	0.199428	0.406537	0.27306	1.46336426	2.17847216	1.81825156	69	185	122
8697	NM_004661	CDC23	cell division cycle 23	1.13939116	1.436596391	18.708654	21.345438	25.265139	5.87007592	6.05532648	6.38523632	2257	3436	3988
1060	NM_001812	CENPC	centromere protein C	-1.129480148	1.436569796	11.991955	10.630397	16.196503	5.32637993	5.1553565	5.83807086	1536	1817	2714
145873	NM_001039958	MESP2	mesoderm posterior bHLH transc	-1.737613589	1.436484014	0.904408	0.521028	1.225872	1.27880673	0.86372326	1.60891398	56	43	99
84911	NM_001256838,NM_032825	ZNF382	zinc finger protein 382	-1.78021419	1.436435396	1.074482	0.601744	1.452294	1.98354948	1.41062362	2.39105499	116	87	205
5538	NM_000310,NM_001142604	PPT1	palmitoyl-protein thioesterase 1	1.387313131	1.435962234	54.814404	76.129379	74.053169	7.07303724	7.54234442	7.59180769	5247	9726	9267
4582	NM_001018016,NM_001018017	MUC1	mucin 1, cell surface associated	-20.63644048	1.435636128	153.607482	6.378678	204.227313	7.87246447	3.62112921	8.39229061	9161	593	16176
5509	NM_006242	PPP1R3D	protein phosphatase 1 regulatory	-1.253168518	1.435583458	2.735505	2.186681	3.696065	3.35699061	3.06652959	3.83538509	363	387	641
165918	NM_152617	RNF168	ring finger protein 168	1.13010537	1.435311705	11.785694	13.336304	15.896854	5.96195729	6.13575486	6.47630497	2408	3636	4251
51265	NM_001113575,NM_001300853	CDKL3	cyclin dependent kinase like 3	1.329290573	1.435294135	1.263846	1.984674	2.10343	1.76310734	2.06474386	2.14982678	94	167	166
55132	NM_001278604,NM_001350531	LARP1B	La ribonucleoprotein domain fam	-1.241227022	1.435147142	11.006281	9.251147	15.035125	4.84104841	4.54134004	5.34694775	1086	1169	1917
5567	NM_001242857,NM_001242858	PRKACB	protein kinase cAMP-activated c	1.286935306	1.434892406	2.922816	3.80423	4.059311	3.73914466	4.07885924	4.22706077	485	834	856
2525	NM_000149,NM_001097639,NM	FUT3	fucosyltransferase 3 (Lewis blooc	-2.076325512	1.434847842	38.125713	19.407597	55.839329	6.55490324	5.51724792	7.07115648	3652	2350	6445
3975	NM_005568	LHX1	LIM homeobox 1	1.359552315	1.434792053	1.913803	2.604661	2.580188	2.88620833	3.27693362	3.34684674	251	456	443
3005	NM_005318	H1F0	H1 histone family member 0	-1.062529242	1.434745586	225.176056	212.15213	303.596497	8.99950137	8.91217458	9.51944438	20055	25219	35390
5317	NM_000299,NM_001005337	PKP1	plakophilin 1	-1.021559294	1.434725638	0.059679	0.059118	0.084146	0.41264541	0.40498891	0.56199967	13	17	23
91450	NR_026998	LOC91450	uncharacterized LOC91450	-1.23825173	1.434725638	0.34119	0.259353	0.45759	0.41264541	0.3412894	0.56199967	13	14	23
9786	NM_001244189,NM_001244190	KIAA0586	KIAA0586	1.230670802	1.434503626	2.880894	3.52187	3.863242	4.15055879	4.43473883	4.64636463	658	1082	1161
642475	NM_001100878	MROH6	maestro heat like repeat family m	-1.238693699	1.434388067	49.125896	39.702908	66.218506	7.28955943	6.98293338	7.8072075	6103	6583	10767
4430	NM_001130158,NM_001161819	MYO1B	myosin IB	1.288115979	1.434324586	22.514313	28.862704	30.535108	6.81034449	7.17273677	7.32682947	4367	7516	7704
1031	NM_001262,NM_078626	CDKN2C	cyclin dependent kinase inhibitor	-1.123279179	1.43386001	7.072199	6.072258	8.85545	3.81159508	3.65645563	4.30016067	512	609	903
9684	NM_001272036,NM_014665	LRRC14	leucine rich repeat containing 14	-1.100609314	1.433810863	10.053636	9.145903	13.550844	5.76046434	5.62482969	6.27226751	2089	2536	3684
9693	NM_001351724,NM_001351725	RAPGEF2	Rap guanine nucleotide exchang	-1.056706748	1.433701471	3.682043	3.467828	4.937851	4.73465189	4.65813802	5.23795796	1006	1272	1774
123720	NM_001080435	WHAMM	WAS protein homolog associatec	-1.504705265	1.433590014	10.2326	6.8082	13.789466	5.30050562	4.72933337	5.80905548	1508	1339	2659
583	NM_031885	BBS2	Bardet-Biedl syndrome 2	-1.156041408	1.433242406	19.749735	17.105089	26.605198	5.78466375	5.57953754	6.29603638	2125	2456	3746
9663	NM_014646	LPIN2	lipin 2	-1.024550636	1.433102151	5.218734	5.0995	7.029502	5.02947882	4.99556864	5.53524714	1243	1621	2191
60684	NM_021942,NM_199053	TRAPPC11	trafficking protein particle comple	-1.102779147	1.433102151	7.139529	6.481859	9.627117	5.02947882	4.89285546	5.53524714	1243	1506	2191
55030	NM_017943,NM_152231	FBXO34	F-box protein 34	1.052314147	1.433011136	10.984368	11.077735	14.170836	5.19009033	5.2616952	5.69718355	1394	1960	2457
340385	NM_001317936,NM_213605,NR	ZNF517	zinc finger protein 517	1.503745394	1.4324216	0.98708	1.753288	1.412432	1.83696709	2.28388661	2.22843599	101	203	178
1363	NM_001873	CPE	carboxypeptidase E	-1.079113596	1.432188645	1.447905	1.345042	1.948618	2.24618091	2.16012918	2.66986823	147	182	259
657	NM_004329	BMPR1A	bone morphogenetic protein rece	-1.20651159	1.432126701	5.187095	4.30103	6.977207	4.26774435	4.01224533	4.76319139	717	794	1263
6324	NM_001037,NM_001321605,NM	SCN1B	sodium voltage-gated channel be	1.012509039	1.431947125	0.222001	0.181902	0.235722	0.5190475	0.52452456	0.69713258	17	23	30
2764	NM_004124	GMFB	glia maturation factor beta	1.004477612	1.431479191	15.179821	15.266235	20.422743	5.9536804	5.96002232	6.46417373	2394	3213	4215
23019	NM_001265612,NM_016284,NM	CNOT1	CCR4-NOT transcription complex	1.0951089	1.431411109	25.631914	27.959754	33.435859	7.63634513	7.76679129	8.15160239	7772	11372	13683
51421	NM_001278683,NM_001278685	AMOTL2	angiomotin like 2	-1.338534106	1.431280671	34.692541	25.947787	46.662521	7.41047812	6.99268435	7.92523453	6640	6628	11689
9802	NM_001136264,NM_001136266	DAZAP2	DAZ associated protein 2	-1.125460377	1.431107075	56.512781	50.21359	75.732543	6.88965161	6.72065785	7.40312387	4616	5480	8125
140688	NM_001256798,NM_001351680	NOL4L	nucleolar protein 4 like	1.126582901	1.430772432	15.271303	16.545721	21.024483	6.57701091	6.74727013	7.08926137	3709	5583	6527
80381	NM_001024736,NM_001329628	CD276	CD276 molecule	1.606469682	1.430697384	16.710468	27.139488	22.13988	5.76046434	6.43430347	6.26917183	2089	4484	3676
83986	NM_001284497,NM_032039,NR	FAM234A	family with sequence similarity 23	1.490957355	1.430579424	20.708108	30.887089	27.818609	6.03830635	6.60731859	6.54830272	2541	5062	4471
147040	NM_001002914	KCTD11	potassium channel tetramerizatic	1.816159684	1.43039557	3.627333	6.5992	4.87549	3.56068436	4.36571317	4.03994054	424	1029	746
55090	NM_018019	MED9	mediator complex subunit 9	-1.039194069	1.430105736	4.196702	4.042831	5.646132	3.33530968	3.28542082	3.80791592	357	459	628
4097	NM_002359,NM_032711	MAFG	MAF bZIP transcription factor G	1.002340772	1.429941226	20.700766	20.74007	27.822867	6.68488089	6.6882213	7.19662649	4000	5357	7035
158358	NM_001017969	KIAA2026	KIAA2026	1.011358046	1.429550181	1.952952	1.975696	2.622195	3.8780834	3.89327789	4.36394232	538	727	946
1201	NM_000086,NM_001042432,NM	CLN3	CLN3, battenin	1.003232949	1.429544355	18.448776	18.576812	23.942685	5.05512721	5.05964438	5.55762202	1266	1697	2226
23243	NM_001195098,NM_001195099	ANKRD28	ankyrin repeat domain 28	-1.191490707	1.429518635	4.005755	3.171534	5.229514	4.72217607	4.47980886	5.22123584	997	1118	1753
23708	NM_018094	GSPT2	G1 to S phase transition 2	1.657722215	1.429410225	2.772433	4.605439	3.726929	3.11973375	3.78172178	3.58455875	302	669	531
9725	NM_014698	TMEM63A	transmembrane protein 63A	-1.137864454	1.42940068	21.610641	19.015995	29.030739	6.56541753	6.38118168	7.07625765	3679	4320	6468
10393	NM_001256706,NM_001256707	ANAPC10	anaphase promoting complex sul	-1.23888082	1.429376778	8.11432	6.381041	11.18962	3.66576097	3.38355363	4.1466887	459	495	807
84248	NM_001011537,NM_032288,NR	FYTTD1	forty-two-three domain containing	1.329592872	1.429035815	23.427205	31.248795	31.556183	6.42664313	6.83347566	6.93665568	3338	5930	5867
83591	NM_031435	THAP2	THAP domain containing 2	-1.171768993	1.42900607	0.84375	0.722209	1.139663	2.32162912	2.14154997	2.74755257	157	179	276
27075	NM_014399	TSPAN13	tetraspanin 13	-1.47049896	1.42893178	25.12532	17.104658	33.742462	5.57093993	5.02880493	6.076764	1827	1660	3211
4824	NM_001256339,NM_006167,NR	NKX3-1	NK3 homeobox 1	-107.9298953	1.428436082	1.378322	0.007656	1.962223	2.43469539	0.05398282	2.86703245	173	2	304
116115	NM_001314033,NM_133444	ZNF526	zinc finger protein 526	1.082492643	1.428002503	3.129081	3.392314	4.206641	3.29094516	3.39405638	3.76020394	345	499	606
26092	NM_001267578,NM_015602	TOR1AIP1	torsin 1A interacting protein 1	1.152481769	1.427978499	14.49401	16.722021	19.451372	5.86251679	6.06398526	6.36906159	2245	3457	3943
100652772	NR_073113	NNT-AS1	NNT antisense RNA 1	1.219939044	1.427560543	0.936466	1.146185	1.263433	2.01115992	2.23214197	2.41366048	119	194	209
57446	NM_022477,NM_032013,NR_03	NDRG3	NDRG family member 3	-1.0466658	1.427296888	7.003887	6.778563	9.403427	4.4350683	4.37236795	4.92830565	810	1034	1422
56648	NM_020390	EIF5A2	eukaryotic translation initiation fa	1.24670277	1.427281628	1.891327	2.362834	2.537863	3.48721804	3.77972069	3.96156336	401	668	704
10078	NM_001297658,NM_001297659	TSSC4	tumor suppressing subtransferab	2.951137262	1.426935976	4.231316	12.483237	5.655073	3.05045588	4.49208242	3.51046477	286	1128	502
22872	NM_001077206,NM_001077207	SEC31A	SEC31 homolog A, COPII coat c	1.145302624	1.426720344	19.98053	23.077603	27.036607	6.40469083	6.59826361	6.91230597	3287	5030	5768
90488	NM_001319661,NM_001319662	TMEM263	transmembrane protein 263	-1.096384789	1.42662472	9.667993	8.851574	13.043113	5.06613802	4.93751728	5.56584509	1276	1555	2239
3052	NM_001122608,NM_001171991	HCS	holocytochrome c synthase	1.686326544	1.426585713	4.081588	6.875877	5.476992	3.37126564	4.06742162	3.84165053	367	827	644
23275	NM_015227,NM_133635,NR_03	POFUT2	protein O-fucosyltransferase 2	1.306177622	1.426374756	18.09958	24.499714	25.676937	6.024426	6.40442001	6.52999085	2516	4391	4414
51203	NM_001243142,NM_001243143	NUSAP1	nucleolar and spindle associated	-1.01475154	1.426058264	62.037692	60.839064	83.874268	7.19942618	7.17844405	7.70853185	5731	7546	10052
404201	NR_015359	WDFY3-AS2	WDFY3 antisense RNA 2	1.069041285	1.426012592	0.802161	0.862145	1.087272	1.16869613	1.22307764	1.47560397	49	70	86
6049	NM_005977,NM_183043,NM_18	RNF6	ring finger protein 6	1.109328036	1.426005527	7.57567	8.320016	10.349364	4.74290957	4.88729042	5.23874944	1012	1500	1775
80267	NM_001319960,NM_025191,NR	EDEM3	ER degradation enhancing alpha	-1.086409145	1.425937284	8.219552	7.574209	11.012648	5.75707097	5.6398004	6.26101394	2084	2563	3655
10473	NM_006353	HMGN4	high mobility group nucleosomal	-1.228996489	1.425904272	18.291754	14.9018	24.524059	5.17287613	4.88449983	5.6727924	1377	1497	2415
284385	NR_122038	ZNF561-AS1	ZNF561 antisense RNA 1 (head	2.3414446	1.425773588	0.754611	1.768795	1.007647	1.23264156	2.05815489	1.5489128	53	166	93
54467	NM_019004	ANKIB1	ankyrin repeat and IBR domain c	-1.656479142	1.425745931	14.365083	8.6819	19.25074	6.42749724	5.71030906	6.93421469	3340	2694	5857
55334	NM_001252148,NM_001252150	SLC39A9	solute carrier family 39 member 9	1.217276888	1.425688865	12.553794	15.712976	15.851385	5.91948261	6.19889074	6.42402754	2337	3801	4098
100419583	NR_125376	LOC100419583	ring finger protein 4 pseudogene	-1.466327914	1.425617106	6.298258	4.301785	8.446554	3.76640418	3.2626764	4.24607959	495	451	868
152189	NM_001320308,NM_178868	CMTM8	CKLF like MARVEL transmembra	-1.285270376	1.425607913	4.522966	3.504955	6.251935	2.62541894	2.32837375	3.06566078	203	211	356
23236	NM_015192,NM_182734	PLCB1	phospholipase C beta 1	-2.302205409	1.425568062	0.204393	0.088084	0.276517	1.29387258	0.70406985	1.61867597	57	33	100
51510	NM_001195536,NM_016410	CHMP5	charged multivesicular body prot	-1.30206029	1.425551545	35.853101	27.537355	48.017961	6.1914686	5.81660668	6.69710078	2830	2904	4962
64787	NM_022772	EPS8L2	EPS8 like 2	-1.011056415	1.425369124	90.17041	89.289848	120.785606	8.1125734	8.09676738	8.62235703	10827	14308	18981
23254	NM_001017999,NM_001018000	KAZN	kazrin, periplakin interacting prot	1.27858167	1.425359712	1.441478	1.932094	2.008025	2.73986043	3.04669644	3.18544464	223	381	391
7549	NM_001017396,NM_001282398	ZNF2	zinc finger protein 2	1.229698098	1.425315317	1.477002	1.841746	1.989624	2.76169834	3.01982084	3.20825259	227	373	398
200197	NR_027136	TMEM51-AS1	TMEM51 antisense RNA 1	-2.540548173	1.425292193	1.168212	0.459659	1.5663	3.16140171	2.04488597	3.62386582	312	164	547
51477	NM_001170938,NM_001253389	ISYNA1	inositol-3-phosphate synthase 1	-5.196738636	1.425224521	18.823964	3.756047	25.309164	5.3829543	3.143243 18	5.8838209	1599	411	2803
159	NM_001126	ADSS	adenylosuccinate synthase	1.03740586	1.425155217	28.685066	29.794136	38.422928	6.29851812	6.35083931	6.8041746	3051	4229	5348
81603	NM_001345950,NM_030912,NR	TRIM8	tripartite motif containing 8	-1.280536635	1.4250192	37.120301	29.037716	49.730322	6.64651543	6.29379011	7.1532077	3894	4063	6825
3376	NM_002161,NM_013417,NR_07	IARS	isoleucyl-tRNA synthetase	1.082062931	1.424596295	41.81952	45.250115	56.093607	7.56128712	7.6744937	8.06956839	7376	10664	12924
652995	NR_015379	UCA1	urothelial cancer associated 1 (no	-1.785630944	1.424213546	121.660103	68.204979	162.818527	8.10378397	7.2714531	8.612391	10761	8052	18850
90693	NM_138771	CCDC126	coiled-coil domain containing 126	1.005890855	1.424084826	1.313652	1.329844	1.765928	2.0648444	2.07130288	2.46867149	125	168	219
54764	NM_017580	ZRANB1	zinc finger RANBP2-type contain	-1.004501337	1.423963884	5.515891	5.496435	7.378457	4.78350351	4.77725916	5.2777797	1042	1386	1825
6667	NM_001251825,NM_003109,NM	SP1	Sp1 transcription factor	-1.375632694	1.423659713	19.608552	14.168681	25.959855	7.17623876	6.71987533	7.68288015	5639	5477	9874
64132	NM_022167,NR_110010	XYLT2	xylosyltransferase 2	1.268596694	1.423240978	29.029745	36.526734	38.303832	6.65893282	6.99914857	7.16387302	3928	6658	6876
476	NM_000701,NM_001160233,NM	ATP1A1	ATPase Na+/K+ transporting sub	1.441751954	1.423234069	107.116089	154.766795	143.257324	8.61163876	9.13833432	9.11971765	15318	29508	26814
84617	NM_001303524,NM_001303525	TUBB6	tubulin beta 6 class V	1.269751431	1.423169415	37.811744	48.341311	50.992501	6.24235022	6.58285328	6.74579644	2933	4976	5134
57184	NM_001321920,NM_001321921	FAM219B	family with sequence similarity 21	1.1367424	1.423032352	15.490609	17.669508	20.622928	5.59470734	5.77602682	6.09479909	1858	2822	3252
23161	NM_001350862,NM_001350863	SNX13	sorting nexin 13	-1.222318354	1.422625038	5.169268	4.041363	6.931506	4.94610703	4.666826	5.44073202	1171	1280	2049
55697	NM_001351157,NM_018052	VAC14	Vac14, PIKFYVE complex compc	1.486694824	1.422596916	8.691486	12.936613	11.622982	4.77413325	5.32892486	5.26695724	1035	2056	1811
54887	NM_017754	UHRF1BP1	UHRF1 binding protein 1	-1.121013851	1.422520616	2.135804	1.907462	2.85593	4.39545784	4.23890304	4.88346032	787	938	1377
51108	NM_001077180,NM_001288659	METTL9	methyltransferase like 9	1.50997197	1.422305918	17.087863	24.23507	21.439249	5.69529401	6.28040713	6.19525866	1995	4025	3490
100506826	NR_038266,NR_121654	MYLK-AS1	MYLK antisense RNA 1	2.629771009	1.421994256	1.851843	4.821541	2.478712	1.27880673	2.24959721	1.59908548	56	197	98
144108	NM_194285	SPTY2D1	SPT2 chromatin protein domain c	-1.086752568	1.42186923	8.823999	8.132503	11.79606	5.65210193	5.5345584	6.15137779	1935	2379	3384
284338	NM_199285	PRR19	proline rich 19	1.682318004	1.421764436	0.738129	1.260349	0.998443	1.08456011	1.52971203	1.37552141	44	99	77
6867	NM_001122824,NM_001146216	TACC1	transforming acidic coiled-coil co	-1.174723444	1.421677199	7.194334	6.141161	10.352508	5.79462825	5.56682881	6.29451467	2140	2434	3742
64423	NM_001031714,NM_022489,NM	INF2	inverted formin, FH2 and WH2 do	1.010819961	1.421641754	75.237724	79.064428	109.079095	8.3308582	8.34633642	8.83709045	12602	17020	22035

145482	NM_001146154,NM_001146155	PTGR2	prostaglandin reductase 2	-1.001225505	1.421612344	8.829495	8.90906	11.835459	4.528787	4.52709643	5.01771306	867	1157	1516
118	NM_001119,NM_001286645,NM	ADD1	adducin 1	1.221938131	1.42155141	33.065294	40.90029	44.78369	7.02897792	7.31614681	7.53317395	5088	8307	8896
27352	NM_001301849,NM_001350039	SGSM3	small G protein signaling modula	1.106731295	1.421537187	29.592293	32.610352	39.069092	6.41678441	6.56146445	6.91923454	3315	4902	5796
7433	NM_001251882,NM_001251883	VIPR1	vasoactive intestinal peptide rece	1.148581745	1.421499415	1.923361	2.029247	2.290167	2.52684435	2.69403583	2.95827541	187	287	327
1026	NM_000389,NM_001220777,NM	CDKN1A	cyclin dependent kinase inhibitor	1.40366227	1.421281915	8.261868	11.480382	11.037135	4.20138033	4.66790832	4.68520645	683	1281	1194
733	NM_000606	C8G	complement C8 gamma chain	-1.695995864	1.421152802	0.81758	0.473595	1.107068	0.77668602	0.50527715	1.01060517	28	22	49
7155	NM_001068,NM_001330700	TOP2B	topoisomerase (DNA) II beta	-1.225322082	1.420964618	14.448848	11.809484	19.294165	6.25202543	5.96311165	6.75329345	2953	3220	5161
55768	NM_001145293,NM_001145294	NGLY1	N-glycanase 1	1.297322605	1.420707859	5.334198	6.771162	6.847835	3.77716539	4.12844917	4.25236388	499	865	872
125058	NM_001271844,NM_001271845	TBC1D16	TBC1 domain family member 16	1.331671635	1.420704811	2.051605	2.583209	2.591213	4.39021014	4.78625756	4.87635737	784	1395	1370
100306951	NR_028514	PITPNA-AS1	PITPNA antisense RNA 1	1.07201235	1.420583093	5.198685	5.602614	6.982711	1.93632435	2.01116974	2.32699908	111	159	194
6899	NM_005992,NM_080646,NM_08	TBX1	T-box 1	1.121998887	1.42048205	0.279752	0.282777	0.335257	0.59399636	0.65251278	0.78645063	20	30	35
103091865	NR_111942	BRWD1-IT2	BRWD1 intronic transcript 2 (non	1.270889103	1.42048205	0.504696	0.660318	0.6755	0.59399636	0.72085408	0.78645063	20	34	35
79089	NM_001076674,NM_001330235	TMUB2	transmembrane and ubiquitin like	1.202078339	1.4204414	32.732802	39.758906	43.301541	6.22722422	6.48952306	6.72786857	2902	4661	5070
11322	NM_001127198,NM_001321185	TMC6	transmembrane channel like 6	-1.208551334	1.420126325	51.112501	42.346921	68.116354	7.17573053	6.90452564	7.67880321	5637	6232	9846
100861412	NM_001256141	FSBP	fibrinogen silencer binding protei	-1.065825778	1.419767254	1.353538	1.273376	1.806289	3.02359429	2.94322232	3.47597349	280	351	489
4524	NM_001330358,NM_005957	MTHFR	methylenetetrahydrofolate reduct	-1.026012618	1.419663798	3.071947	2.9983	4.101495	4.49659199	4.46120049	4.98317903	847	1103	1479
54507	NM_001288607,NM_001288608	ADAMTSL4	ADAMTS like 4	-2.313441387	1.419350318	0.781509	0.337751	1.045932	2.10810423	1.28081328	2.51121823	130	75	227
6241	NM_001034,NM_001165931	RRM2	ribonucleotide reductase regulat	1.243762437	1.419293974	66.690742	83.048741	88.952529	7.73537267	8.04875978	8.23855039	8327	13838	14536
51008	NM_001198798,NM_001198799	ASCC1	activating signal cointegrator 1 co	-1.332038692	1.419094897	6.294985	4.699022	8.396155	4.16292023	3.77571017	4.64397663	664	666	1159
26811	NR_000015	SNORD55	small nucleolar RNA, C/D box 55	1.430658782	1.418925241	4.105857	6.034698	5.455721	0.38477185	0.52452456	0.52094563	12	23	21
693222	NR_030367	MIR637	microRNA 637	-1.230805124	1.418925241	3.02193	2.513179	4.169969	0.38477185	0.31941552	0.52094563	12	13	21
619279	NM_001033723	ZNF704	zinc finger protein 704	2.172477755	1.418925241	0.021084	0.047595	0.028352	0.38477185	0.73744528	0.52094563	12	35	21
4300	NM_001286691,NM_004529	MLLT3	MLLT3, super elongation comple	1.210592311	1.418623477	0.784373	0.954787	1.049657	2.63136183	2.86610484	3.06566078	204	330	356
121260	NM_145648	SLC15A4	solute carrier family 15 member 4	-1.411976505	1.41846358	11.857919	8.407941	15.811177	5.05402149	4.57403823	5.54551873	1265	1197	2207
3169	NM_004496	FOXA1	forkhead box A1	-2.303902025	1.418421372	12.539755	5.44996	16.718697	5.40219915	4.24181329	5.89641527	1621	940	2828
63905	NM_001003897,NM_022077	MANBAL	mannosidase beta like	-1.011937701	1.418185867	33.404555	33.242125	44.699272	5.44416182	5.4274358	5.93843194	1670	2205	2913
10210	NM_001195622,NM_005802	TOPORS	TOP1 binding arginine/serine rich	1.25702135	1.418012651	5.544466	6.721964	7.266436	4.50470835	4.8217002	4.98977621	852	1431	1486
79959	NM_001271989,NM_024899,NR	CEP76	centrosomal protein 76	1.105798784	1.417834717	5.125262	5.679752	6.875814	3.97474042	4.1110472	4.45120991	578	854	1008
333	NM_001024807,NM_005166	APLP1	amyloid beta precursor like prote	1.758186886	1.417691097	2.559196	4.514592	3.414773	2.86114003	3.58720616	3.30513776	246	578	429
2118	NM_001079675,NM_001261437	ETV4	ETS variant 4	-1.636269485	1.41766766	28.051004	16.486322	35.285629	5.65210193	4.95978213	6.14716835	1935	1580	3374
9513	NM_004860	FXR2	FMR1 autosomal homolog 2	1.026248038	1.417431748	8.63383	8.870488	11.498748	4.70677986	4.74274951	5.19374412	986	1352	1719
822	NM_001256139,NM_001256140	CAPG	capping actin protein, gelsolin like	-1.348128142	1.417339173	74.53655	56.086842	99.4783	6.65820534	6.23219837	7.15719027	3926	3891	6844
494470	NM_001256758,NM_152470,NR	RNF165	ring finger protein 165	1.705902248	1.417271387	3.120294	6.192143	3.965438	3.7336304	4.45870114	4.20455055	483	1101	842
9070	NM_001105214,NM_001261832	ASH2L	ASH2 like histone lysine methyltr	1.218826127	1.417031228	7.469835	9.121278	9.939369	4.49821892	4.77223569	4.98223411	848	1381	1478
2925	NM_005314	GRPR	gastrin releasing peptide receptor	-1.301196206	1.417028977	1.099566	0.842791	1.46431	1.9554003	1.68318474	2.34475282	113	116	197
11063	NM_001308165,NM_007017,NM	SOX30	SRY-box 30	3.152058602	1.416995366	0.063308	0.200172	0.083647	0.26755841	0.72085408	0.36729312	8	34	14
3685	NM_001144999,NM_001145000	ITGAV	integrin subunit alpha V	1.510543609	1.41677783	13.622676	20.601612	18.137051	6.55919609	7.14909797	7.05731497	3663	7393	6383
6789	NM_006282	STK4	serine/threonine kinase 4	1.042921807	1.416574437	8.571324	8.949655	11.411227	5.75707097	5.81660668	6.2516338	2084	2904	3631
10427	NM_001042734,NM_001300813	SEC24B	SEC24 homolog B, COPII coat c	1.074428652	1.416550184	10.970591	11.925825	14.59001	5.68390197	5.78553158	6.17803121	1979	2841	3448
5998	NM_001276260,NM_001276261	RGS3	regulator of G protein signaling 3	1.005655912	1.416508976	21.799132	21.815692	28.049261	5.84855467	5.856551	6.3435348	2223	2987	3873
59341	NM_001177428,NM_001177431	TRPV4	transient receptor potential cation	-1.64825043	1.416235558	3.529817	2.297727	4.973434	3.60363765	2.95745524	4.0704925	438	355	763
1287	NM_000495,NM_033380	COL4A5	collagen type IV alpha 5 chain	2.160497777	1.41612455	7.201025	15.590137	9.590833	5.54441418	6.63912276	6.03727606	1793	5176	3123
58497	NM_001303229,NM_001303242	PRUNE1	prune exopolyphosphatase 1	-1.338094456	1.415930196	5.611446	4.230222	7.73146	4.14225859	3.74936649	4.61987668	654	653	1139
253558	NM_001002257,NM_001304445	LCLAT1	lysocardiolipin acyltransferase 1	2.106065756	1.415700436	2.899169	6.480574	4.078244	3.97005831	4.99556864	4.44436461	576	1621	1003
2923	NM_005313	PMA3	protein disulfide isomerase family	1.314016326	1.415580297	164.125092	215.900497	218.332428	8.93376863	9.32704857	9.44329834	19160	33639	33359
54910	NM_017789	SEMA4C	semaphorin 4C	1.847892242	1.415547701	10.721434	19.836294	14.261401	5.25118634	6.11962841	5.74141559	1456	3595	2535
112611	NM_001322335,NM_001322336	RWDD2A	RWD domain containing 2A	-1.179258432	1.415406317	0.954351	0.827451	1.291441	2.21486103	2.03149389	2.62213795	143	162	249
10724	NM_001142434,NM_012215	MGEA5	meningioma expressed antigen 5	-1.624325085	1.415078588	46.097677	28.349995	61.220279	7.87026746	7.17426092	8.36934509	9147	7524	15920
23362	NM_015310,NM_206909	PSD3	pleckstrin and Sec7 domain conta	1.534649417	1.414849074	3.145288	4.83156	4.180871	5.20112046	5.80533922	5.69025663	1405	2881	2445
196527	NM_001025356,NM_001142678	ANO6	anoctamin 6	1.011741542	1.414821963	13.728249	13.882913	18.091817	6.35527652	6.37191335	6.85073596	3175	4292	5525
2957	NM_001278940,NM_015859,NM	GTF2A1	general transcription factor IIA su	-6.575892671	1.414495225	4.045183	0.615653	5.341345	4.69831216	2.2611178	5.18226995	980	199	1705
3908	NM_000426,NM_001079823	LAMA2	laminin subunit alpha 2	1.260733933	1.41445038	0.145223	0.183643	0.192347	1.24819466	1.45142181	1.5590879	54	91	94
11016	NM_001130060,NM_001206682	ATF7	activating transcription factor 7	1.011091456	1.414357935	9.366862	7.923	7.869487	4.80732269	4.82267239	5.29233867	1060	1432	1844
5108	NM_001315507,NM_001315508	PCM1	pericentriolar material 1	1.013768216	1.414347133	7.327581	7.406694	9.731426	5.97077302	5.99018926	6.46417373	2423	3282	4215
79692	NM_001242797,NM_001242798	ZNF322	zinc finger protein 322	-1.03682042	1.414337392	2.105385	2.036902	2.798814	3.44397655	3.39667017	3.90484845	388	500	675
148867	NM_001144884,NM_133496	SLC30A7	solute carrier family 30 member 7	1.168314152	1.414245974	4.514405	5.359074	6.037103	5.19711926	5.41588625	5.68562013	1401	2187	2437
8528	NM_003649,NM_004032	DDO	D-aspartate oxidase	1.430167411	1.41414518	2.594604	3.799425	3.559831	2.40724866	2.83945493	2.82548777	169	323	294
26043	NM_015562	UBXN7	UBX domain protein 7	1.934708238	1.41391232	5.062653	9.808172	6.72567	4.60475543	5.52801678	5.08703534	916	2368	1593
142940	NM_139169	TRUB1	TruB pseudouridine synthase fan	1.131436092	1.413599495	3.579931	4.053969	4.755254	3.6887407	3.85387581	4.15509812	467	706	812
4291	NM_001130156,NM_001130157	MLF1	myeloid leukemia factor 1	1.982215093	1.413573435	4.208015	8.220424	5.558267	3.3316643	4.2461677	3.78858771	356	943	619
54438	NM_001242628,NM_001242629	GFOD1	glucose-fructose oxidoreductase	1.033126412	1.413497684	0.889016	0.922528	1.067991	1.7412091	1.77444288	2.1085534	92	127	160
51230	NM_016436	PHF20	PHD finger protein 20	1.116701283	1.413460799	5.316185	5.944018	7.060982	4.9767722	5.13123263	5.46257813	1197	1786	2081
387263	NM_001029863,NM_001317342	C6orf120	chromosome 6 open reading fran	1.237618391	1.413052819	4.970501	6.059761	6.494137	4.40762874	4.70212092	4.88649377	794	1313	1380
2530	NM_004480,NM_178155,NM_17	FUT8	fucosyltransferase 8	1.388341945	1.412724227	21.148927	31.678009	28.55771	6.64247505	7.11180405	7.13674198	3883	7203	6747
11135	NM_152243	CDC42EP1	CDC42 effector protein 1	-1.10252762	1.412677532	34.65834	31.472359	46.01506	6.20896051	6.07013843	6.70170058	2865	3472	4978
112616	NM_138410,NM_181472	CMTM7	CKLF like MARVEL transmembra	-1.111398799	1.41250215	60.296342	54.036105	79.02909	6.36199349	6.21156417	6.85512987	3190	3835	5542
1063	NM_016343	CENPF	centromere protein F	-1.059440551	1.41238487	32.961536	31.147749	43.750088	8.37258948	8.28954485	8.86945489	12973	16361	22536
23596	NM_014322	OPN3	opsin 3	-1.26441859	1.412138155	11.740649	9.298368	15.585361	4.95916039	4.63286465	5.44348094	1182	1249	2053
55156	NM_001286702,NM_018120	ARMC1	armadillo repeat containing 1	-1.060772959	1.4120495	16.39854	15.476336	21.759514	5.63149439	5.54814121	6.12079205	1907	2402	3312
152641	NR_024008	WWC2-AS2	WWC2 antisense RNA 2	-1.097033567	1.411993356	0.264847	0.249564	0.364836	0.66524311	0.61708849	0.87055986	23	28	40
51283	NM_001330500,NM_016561	BFAR	bifunctional apoptosis regulator	1.276989828	1.411968608	17.229469	22.140355	23.058543	5.70236863	6.04910966	6.19199306	2005	3421	3482
4200	NM_001168335,NM_002396	ME2	malic enzyme 2	1.276175909	1.411877479	5.583835	7.146468	7.606218	4.70818633	5.04805279	5.18965667	987	1683	1714
55165	NM_001127182,NM_018131	CEP55	centrosomal protein 55	-1.634735107	1.411844742	26.133616	15.858022	34.538734	6.0769238	5.38133225	6.56827536	2611	2134	4534
81857	NM_030973	MED25	mediator complex subunit 25	-1.019889649	1.411815461	19.189819	18.837801	25.460485	5.48493837	5.45716415	5.97308963	1719	2252	2985
24137	NM_012310	KIF4A	kinesin family member 4A	1.233326848	1.411657694	16.503838	20.380054	21.894707	6.19648797	6.49532689	6.6881467	2840	4680	4931
148479	NM_153812	PHF13	PHD finger protein 13	1.219253351	1.411591061	8.912915	10.884142	11.828758	5.03845181	5.31655563	5.52295387	1251	2038	2172
11173	NM_014272	ADAMTS7	ADAM metallopeptidase with thro	-2.532397424	1.411540162	0.696589	0.276052	0.929075	2.25390578	1.31437719	2.66044767	148	78	257
51094	NM_001290553,NM_001290557	ADIPOR1	adiponectin receptor 1	1.044511123	1.411462657	48.449155	50.742432	64.480361	7.67980449	6.76204243	7.19295566	4042	5641	7017
102465666	NR_106959	MIR7109	microRNA 7109	1.119455784	1.411310972	1.49911	1.641783	1.896868	0.13997292	0.15624221	0.19530369	4	6	7
729652	NR_135198	LOC729652	uncharacterized LOC729652	3.488487299	1.411310972	0.031426	0.112866	0.036743	0.13997292	0.44594451	0.19530369	4	19	7
109623460	NR_145802	SNORD138	small nucleolar RNA, C/D box 13	2.577321332	1.411310972	1.607584	4.05402	2.186364	0.13997292	0.3412894	0.19530369	4	14	7
100616116	NR_039791	MIR4648	microRNA 4648	-1.324521912	1.411310972	1.439014	0.843689	1.902073	0.13997292	0.10601836	0.19530369	4	4	7
79674	NM_001167911,NM_001167912	VEPH1	ventricular zone expressed PH d	-1.138835473	1.411200485	2.901261	2.198159	2.453683	2.78321062	2.6243808	3.21791812	231	271	401
100507373	NR_045214	LOC100507373	uncharacterized LOC100507373	-1.518911724	1.41116425	0.824619	0.537102	1.088573	1.73025772	1.33632702	2.09493548	91	80	158
6388	NM_006923,NR_045585	SDF2	stromal cell derived factor 2	1.2462607	1.410701032	38.428635	47.716982	50.482869	5.85364745	6.16632849	6.34279879	2231	3715	3871
5252	NM_002636,NM_024165,NR_02	PHF1	PHD finger protein 1	-1.179027644	1.410697423	22.107558	18.74546	29.247144	5.64771074	5.41524189	6.13574112	1929	2186	3347
11123	NM_001251977,NM_001251978	RCAN3	RCAN family member 3	-1.136366177	1.410650111	3.7967	3.582082	5.140666	3.49701545	3.3298614	3.95579862	404	475	701
3663	NM_001098627,NM_001098629	IRF5	interferon regulatory factor 5	-2.724983766	1.410650111	3.646561	1.405667	4.837818	3.49701545	2.255369	3.95579862	404	198	701
64924	NM_001251969,NM_022902,NM	SLC30A5	solute carrier family 30 member 5	-1.037995567	1.410632537	17.681665	17.122573	22.082986	5.94833435	5.8954191	6.43787878	2385	3070	4138
51382	NM_015994	ATP6V1D	ATPase H+ transporting V1 subu	1.549820197	1.410609535	21.472263	33.321762	28.476913	5.27700476	5.89588107	5.76248297	1483	3071	2573
6815	NM_001130701,NM_145251	STYX	serine/threonine/tyrosine interact	1.188397802	1.410466502	5.232915	6.224541	6.954506	4.68836995	4.92851423	5.16821322	973	1545	1688
55024	NM_001083907,NM_001127507	BANK1	B-cell scaffold protein with ankyri	-2.827774227	1.409556434	1.764925	0.660423	2.378255	2.79384765	1.63086207	3.22751932	233	110	404
148022	NM_182919	TICAM1	toll like receptor adaptor molecul	-1.130117438	1.409475286	17.129271	15.178594	22.694424	5.53651876	5.36407379	6.02264454	1783	2108	3091
387119	NM_001042475,NM_001178035	CEP85L	centrosomal protein 85 like	2.173175938	1.409417969	0.215824	0.681997	0.288647	1.39514558	2.18453503	1.72191206	64	186	111
286410	NM_001010986,NM_173694	ATP11C	ATPase phospholipid transportin	-1.061634948	1.409359432	3.750712	3.537667	4.971349	4.54619271	4.46369552	5.02323609	878	1105	1522
10001	NM_001284209,NM_001284210	MED6	mediator complex subunit 6	1.268658762	1.40930048	7.478194	9.447557	9.910226	4.19336823	4.51992154	4.66532766	679	1151	1177
79629	NM_024578	OCEL1	occludin/ELL domain containing	-1.589555296	1.408785834	7.067909	4.462022	9.383245	3.14071816	2.56520021	3.58704707	307	258	532
59	NM_001141945,NM_001320855	ACTA2	actin, alpha 2, smooth muscle, ac	-3.626897021	1.408524897	0.8864	0.243446	1.231152	1.33814853	0.50527715	1.65707652	60	22	104
26119	NM_015627	LDLRAP1	low density lipoprotein receptor a	1.067747186	1.408447879	7.95411	8.507977	10.532923	4.56959435	4.66031492	5.04602381	893	1274	1547

957	NM_001249,NM_001321984,NM	ENTPD5	ectonucleoside triphosphate diph	-1.003529881	1.407868277	4.656889	4.032708	5.25856	4.53672473	4.53185994	5.0121688	872	1161	1510
652965	NR_002918	SNORA48	small nucleolar RNA, H/ACA box	1.282490649	1.407504499	10.807956	13.89724	14.216808	1.27880673	1.50084877	1.58918956	56	96	97
55288	NM_001033566,NM_001033567	RHOT1	ras homolog family member T1	-1.151133907	1.407265441	10.389338	9.036198	13.780983	5.07270439	4.87609552	5.55317472	1282	1488	2219
23096	NM_001111125,NM_001243197	IQSEC2	IQ motif and Sec7 domain 2	1.083559521	1.407170129	3.920163	5.121593	3.833301	3.58232086	3.68880651	4.03994054	431	624	746
84954	NM_001159846,NM_001300862	MPND	MPN domain containing	1.142445877	1.406889658	3.955889	4.450221	5.157752	2.85607368	3.0232078	3.28994455	245	374	424
25862	NM_001286554,NM_018561	USP49	ubiquitin specific peptidase 49	1.095605114	1.406778923	2.033169	2.370202	2.775885	4.07625981	4.20052559	4.5437825	623	912	1078
1917	NM_001958	EEF1A2	eukaryotic translation elongation	2.656432931	1.406748867	94.552773	251.459183	124.990395	7.53735367	8.94200644	8.02747764	7254	25747	12551
60343	NM_001171132,NM_001171133	FAM3A	family with sequence similarity 3	1.21268366	1.406493967	16.308188	19.90566	21.573297	4.88648104	5.15612801	5.36445917	1122	1818	1941
5154	NM_002607,NM_033023	PDGFA	platelet derived growth factor sub	-2.248649429	1.40647806	5.066359	2.252441	6.689036	3.87558202	2.82400243	4.33906229	537	319	929
57522	NM_001346201,NM_020762	SRGAP1	SLIT-ROBO Rho GTPase activat	-1.088106654	1.406390271	4.068466	3.74348	5.395491	5.11890861	5.00073201	5.59889315	1325	1627	2292
9963	NM_005847,NM_152685	SLC23A1	solute carrier family 23 member	1.136763187	1.406327453	0.567316	0.644126	0.757986	1.21691895	1.32539385	1.51794971	52	79	90
100505681	NR_038452	NAPA-AS1	NAPA antisense RNA 1	1.295180463	1.406251882	0.589187	0.758551	0.766398	0.46682716	0.58077243	0.62147005	15	26	26
2116	NM_001300974,NM_001304549	ETV2	ETS variant 2	-1.054423872	1.406251882	0.241707	0.242497	0.335178	0.46682716	0.44594451	0.62147005	15	19	26
23576	NM_001134445,NM_001330655	DDAH1	dimethylarginine dimethylaminoh	-1.682967158	1.406011304	8.335972	5.053719	11.090231	5.06064312	4.33878278	5.53974996	1271	1009	2198
10376	NM_006082	TUBA1B	tubulin alpha 1b	1.116284867	1.405930539	761.384338	850.865662	1005.93335	10.34322251	10.50181237	10.83442805	50961	76008	88122
55194	NM_001304762,NM_018166,NR	EVA1B	eva-1 homolog B	-1.174394106	1.405847205	5.836064	4.979354	7.661467	2.71208982	2.51796519	3.13871764	218	248	377
57475	NM_020715	PLEKHH1	pleckstrin homology, MyTH4 and	1.073350471	1.405826889	4.310245	4.633121	5.696386	4.83075499	4.92941706	5.30750681	1078	1546	1864
10444	NM_006336	ZER1	zyg-11 related cell cycle regulato	1.343799514	1.405576487	9.758393	13.134261	12.894932	5.38735072	5.80484733	5.86856107	1604	2880	2773
29946	NM_013368,NM_203344	SERTAD3	SERTA domain containing 3	-1.458754719	1.40519275	22.038097	14.82598	29.096206	4.967406	4.44361342	5.44485344	1189	1089	2055
100506710	NR_036592	EBLN3P	endogenous Bornavirus-like nucl	-1.023469376	1.404873793	8.9427	8.748721	11.807992	5.28927297	5.25666827	5.76907242	1496	1953	2585
149428	NM_001159642,NM_138278	BNIPL	BCL2 interacting protein like	-1.312700322	1.404611111	1.233634	0.940059	1.677675	1.96484452	1.68318474	2.34475282	114	116	197
2036	NM_001258329,NM_001258330	EPB41L1	erythrocyte membrane protein ba	1.167471982	1.403801826	17.898165	20.05692	23.371927	6.70227682	6.92368141	7.1876368	4049	6316	6991
10193	NM_001242826,NM_005785,NM	RNF41	ring finger protein 41	1.016546329	1.403781834	2.940655	2.957695	3.820383	4.00022383	4.02243562	4.46345019	589	800	1017
84498	NM_001286379,NM_001286380	FAM120B	family with sequence similarity 12	1.3465833	1.403758744	4.137534	5.257808	5.406209	4.43846184	4.85058478	4.90854629	812	1461	1402
54834	NM_001135589,NM_017686	GDAP2	ganglioside induced differentiatio	1.264845958	1.403675183	3.296701	3.665704	3.810441	4.26009342	4.58324605	4.72754788	713	1205	1231
85458	NM_001037954,NM_001278542	DIXDC1	DIX domain containing 1	-2.315682964	1.403674949	0.392239	0.172112	0.380581	1.42282133	0.7861039	1.74883089	66	38	114
5519	NM_001177562,NM_001177563	PPP2R1B	protein phosphatase 2 scaffold s	1.218526813	1.403604981	7.516117	6.064871	7.140005	4.77815653	5.05386023	5.25213854	1038	1690	1792
51147	NM_001127582,NM_001127583	ING4	inhibitor of growth family membe	1.036360043	1.403484623	14.675596	15.272466	19.355558	4.43676607	4.4859587	4.90655538	811	1123	1400
55972	NM_018843	SLC25A40	solute carrier family 25 member	-1.810406312	1.403434376	6.383933	3.525075	8.419185	4.36010717	3.55948145	4.82879013	767	566	1324
23047	NM_015032	PDS5B	PDS5 cohesin associated factor	1.327051125	1.403378014	2.521631	3.348992	3.324896	4.27914521	4.66898984	4.74659308	723	1282	1248
339761	NM_001001665	CYP27C1	cytochrome P450 family 27 subfa	1.787920633	1.403344615	1.057097	1.897756	1.39597	2.54584744	3.27124763	2.96211454	190	454	328
80146	NM_001253875,NM_001253876	UXS1	UDP-glucuronate decarboxylase	1.570921176	1.403061129	28.271442	44.423595	37.206165	5.86756061	6.5101878	6.34904298	2253	4729	3888
133022	NM_152402	TRAM1L1	translocation associated membra	1.388932287	1.403038648	1.879223	2.614322	2.479604	2.23841445	2.6243808	2.63662357	146	271	252
4216	NM_001291958,NM_001301072	MAP3K4	mitogen-activated protein kinase	-1.002091603	1.403019123	6.374127	6.392007	8.488266	5.15132397	5.14839425	5.62818389	1356	1808	2340
10912	NM_006705	GADD45G	growth arrest and DNA damage i	-1.130088132	1.402991568	0.7992	0.713614	1.067379	0.88013425	0.80196545	1.12461302	33	39	57
5981	NM_001204747,NM_002913	RFC1	replication factor C subunit 1	1.166346758	1.402976804	18.428922	21.521323	24.302185	6.47412439	6.69381113	6.95796015	3451	5378	5955
5082	NM_005388	PDCL	phosducin like	1.053224223	1.402931775	7.722775	8.143745	10.182349	4.59718428	4.66898984	5.06845719	911	1282	1572
143384	NM_153810	CACUL1	CDK2 associated cullin domain 1	1.06221807	1.402632882	7.736166	8.229978	10.199302	5.69458464	5.78003646	6.17472633	1994	2830	3440
26118	NM_001348350,NM_015626,NM	WSB1	WD repeat and SOCS box contai	-1.301540501	1.402536951	42.207596	34.790284	55.144358	7.3909063	7.01326872	7.87648296	6550	6724	11299
55968	NM_001206736,NM_016143,NM	NSFL1C	NSFL1 cofactor	1.319400873	1.402464847	19.604224	26.147615	25.490279	6.09046901	6.48523156	6.57236251	2636	4647	4547
357	NM_001320663,NM_001320664	SHROOM2	shroom family member 2	-2.282934827	1.402367875	0.755343	0.260938	0.791694	2.42103729	1.5392062	2.82969649	171	100	295
548645	NM_001015882,NR_037148	DNAJC25	DnaJ heat shock protein family (H	1.503174559	1.402270475	10.091503	15.35175	13.290891	4.64202642	5.21061989	5.1131673	941	1890	1623
84876	NM_032790	ORAI1	ORAI calcium release-activated	1.318280752	1.402243584	9.487088	12.521483	12.501131	3.89547266	4.27059745	4.35521005	545	960	940
389114	NM_001134656,NM_207404	ZNF662	zinc finger protein 662	2.704109421	1.402193628	1.839894	5.024603	2.44806	3.47073972	4.8217002	3.92071794	396	1431	683
23303	NM_015254	KIF13B	kinesin family member 13B	-1.577065586	1.402109052	5.741608	3.643019	7.565084	5.64404118	5.00330679	6.12336578	1924	1630	3318
3796	NM_001098511,NM_001243952	KIF2A	kinesin family member 2A	1.360351875	1.401989894	12.669866	17.249764	16.636334	5.66447154	6.10091747	6.14379193	1952	3548	3366
147727	NR_024333	ILF3-AS1	ILF3 antisense RNA 1 (head to h	1.03508842	1.401919411	8.112776	8.411061	10.690594	4.07843661	4.12530075	4.54121836	624	863	1076
23625	NM_001098784,NM_001098785	FAM89B	family with sequence similarity 8	1.269420751	1.401125173	16.023779	20.249022	20.98271	4.55247036	4.88356843	5.02139743	882	1496	1520
10430	NM_001242597,NM_001242598	TMEM147	transmembrane protein 147	-1.190765979	1.400895988	65.388056	55.616022	86.885651	5.86756061	5.62036393	6.34684223	2253	2528	3882
147525	NR_026849	LINC00526	long intergenic non-protein codin	-1.429350823	1.400851691	1.514072	1.05523	1.993432	1.55375576	1.23481109	1.89255394	76	71	131
2590	NM_001291866,NM_004481,NR	GALNT2	polypeptide N-acetylgalactosamii	1.598400673	1.400804328	44.20904	70.954895	58.584666	7.58022887	8.2540406	8.06433186	7474	15962	12877
7267	NM_001001894,NM_001320703	TTC3	tetratricopeptide repeat domain 3	1.098216786	1.400709044	10.684524	11.846696	15.046541	6.56425305	6.69805556	7.04605492	3676	5394	6333
22858	NM_014920,NM_016513	ICK	intestinal cell kinase	-1.1781121	1.400659875	0.468383	0.39764	0.616426	1.94589385	1.77444288	2.32103228	112	127	193
5580	NM_001316327,NM_006254,NM	PRKCD	protein kinase C delta	-1.061675113	1.400516238	24.858707	22.704555	32.255739	6.06434888	5.97933194	6.54414675	2588	3257	4458
101927111	NR_109992,NR_109993	SUCLG2-AS1	SUCLG2 antisense RNA 1 (head	1.6268495	1.400281028	0.183784	0.41721	0.28768	0.35634914	0.54351856	0.47868902	11	24	19
203429	NR_026595	FAM226A	family with sequence similarity 2	1.896385267	1.400281028	0.139503	0.265918	0.18655	0.35634914	0.61708849	0.47868902	11	28	19
9480	NM_004852	ONECUT2	one cut homeobox 2	-2.302002062	1.400254533	2.412435	1.049257	3.175149	5.28079072	4.12530075	5.75586329	1487	863	2561
9021	NM_003955	SOCS3	suppressor of cytokine signaling	-1.853926818	1.399448302	33.734253	18.215723	44.367142	6.50641488	5.62928167	6.9867494	3530	2544	6076
9649	NM_001190728,NM_001190729	RALGPS1	Ral GEF with PH domain and SH	-1.042606854	1.399432464	4.363177	4.352279	5.646362	4.26200996	4.20500622	4.72529065	714	915	1229
100507002	NR_110801	LOC100507002	uncharacterized LOC100507002	-1.558144365	1.399289307	5.219489	3.358476	6.861742	2.19091668	1.71704117	2.58278312	140	120	241
100381270	NM_001174108	ZBED6	zinc finger BED-type containing 6	1.236326712	1.399058023	4.168803	5.159834	5.481317	3.94641713	4.23452662	4.44080834	566	935	974
7013	NM_003218,NM_017489	TERF1	telomeric repeat binding factor 1	-1.085542053	1.398822304	12.103677	11.167597	15.906135	5.15132397	5.03638731	6.62394919	1356	1669	2333
55958	NM_018847	KLHL9	kelch like family member 9	-1.136773583	1.398814772	4.268342	3.761469	5.614227	4.64202642	4.46494141	5.10971027	941	1106	1619
30815	NM_001286999,NM_001287000	ST6GALNAC6	ST6 N-acetylgalactosaminide alp	1.522258652	1.398804566	11.434589	17.520363	15.008152	4.80600967	5.39446891	5.27546743	1059	2154	1822
8880	NM_001303433,NM_003902,NR	FUBP1	far upstream element binding pro	1.534708192	1.398470061	53.926796	82.691768	71.450183	7.07112558	7.68535727	7.55192345	5240	10745	9013
6558	NM_001046,NM_001256461,NR	SLC12A2	solute carrier family 12 member 2	1.481889158	1.398157792	2.297654	3.412805	3.016476	4.03201954	4.57057009	4.49028463	603	1194	1037
51614	NM_015966,NM_198398	ERGIC3	ERGIC and golgi 3	1.282883456	1.398098012	144.778945	185.929851	190.230757	7.58099675	7.93872899	8.06232133	7478	12818	12859
1730	NM_006729,NM_007309	DIAPH2	diaphanous related formin 2	-1.141482459	1.397813924	2.747557	2.329205	3.701025	3.72809498	3.55246622	4.18003621	481	563	827
57706	NM_020946,NM_024820	DENND1A	DENN domain containing 1A	-1.002091503	1.397318522	5.796463	6.455164	8.581048	4.49496323	4.49208242	4.9593683	846	1128	1454
3164	NM_001202233,NM_001202234	NR4A1	nuclear receptor subfamily 4 grou	-1.098220301	1.397238223	4.682072	4.50985	6.547613	3.76370129	3.63890054	4.21584956	494	601	849
79786	NM_001303451,NM_024731	KLHL36	kelch like family member 36	-1.083729143	1.397182384	8.070519	7.433308	10.651717	5.91095768	5.79695418	6.38666534	2323	2864	3992
64403	NM_022478,NM_144985	CDH24	cadherin 24	1.384898472	1.396998671	5.590279	7.875864	7.343222	4.32753359	4.77725916	4.78935776	749	1386	1287
891	NM_031966	CCNB1	cyclin B1	1.31498547	1.396981644	136.962906	180.303391	179.801941	8.17975844	8.57361629	8.66066101	11345	19933	19493
11161	NM_007176	C14orf1	chromosome 14 open reading fra	1.109809766	1.396959583	39.112228	43.463947	51.35284	5.89869115	6.04661542	6.37411319	2303	3415	3957
1762	NM_004943	DMWD	dystrophia myotonica, WD repea	1.553979676	1.396874889	4.961283	7.726761	6.518195	4.0871111	4.69258035	4.54506286	628	1304	1079
146223	NM_178818,NM_181521	CMTM4	CKLF like MARVEL transmembra	-1.011540774	1.39685529	13.88716	13.139564	18.653024	6.62172853	6.60534266	7.09975487	3827	5055	6575
84273	NM_032313	NOA1	nitric oxide associated 1	1.016752356	1.396720317	12.610351	12.838499	16.563784	4.85762016	4.88077062	5.32650055	1099	1493	1888
6505	NM_004170	SLC1A1	solute carrier family 1 member 1	1.240685774	1.396692429	5.226796	6.498205	6.864593	4.3257022	4.62285328	4.78719527	748	1240	1285
5293	NM_001350234,NM_001350235	PIK3CD	phosphatidylinositol-4,5-bisphosp	1.429112966	1.396210276	0.382843	0.548105	0.501266	1.57857476	1.94127715	1.91649468	78	149	134
5634	NM_001039091,NM_002765	PRPS2	phosphoribosyl pyrophosphate sy	1.422444654	1.396096476	15.475222	22.048253	20.312145	5.29208934	5.78951493	5.76303325	1499	2849	2574
8227	NM_005088_chrX,NM_005088_(	AKAP17A	A-kinase anchoring protein 17A	-1.180358258	1.395981157	9.333701	7.880569	12.283187	4.92327834	4.69258035	5.39104626	1152	1304	1978
252839	NM_001288564,NM_001288565	TMEM9	transmembrane protein 9	1.730880943	1.395764703	37.46982	61.672175	47.835114	5.92372626	6.70518984	6.3980468	2344	5421	4024
56241	NM_019601	SUSD2	sushi domain containing 2	-3.531662512	1.395752946	5.193064	1.466769	6.812846	4.09573376	2.47408961	4.55272125	632	239	1085
10924	NM_001286138,NM_006714	SMPDL3A	sphingomyelin phosphodiesteras	1.330193205	1.395699912	1.300078	1.827202	1.783873	1.81624731	2.12272838	2.1765086	99	176	170
4086	NM_001003688,NM_005900	SMAD1	SMAD family member 1	1.184974079	1.395631778	3.591954	4.266227	4.715205	3.54817338	3.77370073	3.99380211	420	665	721
8295	NM_001244580,NM_003496	TRRAP	transformation/transcription doma	-1.271803664	1.395521626	6.801225	5.347632	8.943943	6.40295487	6.0606928	6.87893309	3283	3449	5635
23091	NM_001076788,NM_001330564	ZC3H13	zinc finger CCCH-type containing	1.732563824	1.395494511	5.644307	10.036353	7.519162	5.46011023	6.23913274	5.93159518	1689	3910	2899
7050	NM_001278682,NM_001278684	TGIF1	TGFB induced factor homeobox	-1.136971839	1.395414077	55.861136	49.131917	72.480772	6.52409095	6.34103412	7.00034813	3574	4200	6134
54920	NM_001271762,NM_001271763	DUS2	dihydrouridine synthase 2	1.330412158	1.395102137	9.689855	12.978717	12.838486	4.51599508	4.91216578	4.97844822	859	1527	1474
100506100	NR_046240	LOC100506100	uncharacterized LOC100506100	1.228683098	1.395071875	6.679273	8.267749	8.788501	2.25390578	2.49375478	2.64620047	148	243	254
22990	NM_001308160,NM_014982	PCNX1	pecanex homolog 1 (Drosophila)	1.239409238	1.394650701	4.878722	6.053162	6.473298	5.96313584	6.26832673	6.43649962	2410	3991	4134
23052	NM_015036	ENDOD1	endonuclease domain containing	-1.219274112	1.394505646	4.246689	3.48641	5.564789	4.35113248	4.08048581	4.81080629	762	835	1307
25897	NM_001280539,NM_015435,NM	RNF19A	ring finger protein 19A, RBR E3 u	-1.287851685	1.394195933	9.894545	7.711509	12.921534	5.43144524	5.07604389	5.90142239	1655	1717	2838
8784	NM_004195,NM_148901,NM_14	TNFRSF18	TNF receptor superfamily membe	-1.220047841	1.394127178	4.804649	3.971006	6.318708	2.72881625	2.48886356	3.1454863	221	242	379
100507639	NR_121625	LINC02432	long intergenic non-protein codin	-2.081671237	1.393947266	12.599995	6.056668	16.510439	3.76370129	2.81621366	4.21263029	494	317	847
54897	NM_001079843,NM_017766	CASZ1	castor zinc finger 1	-3.469218995	1.393672875	1.265936	0.324453	2.147583	3.2834166	1.81408935	3.71995801	343	132	588
8408	NM_003565	ULK1	unc-51 like autophagy activating	-1.066454873	1.393234334	12.698849	11.920699	16.624649	6.03494768	5.94358222	6.50717988	2535	3176	4344
144717	NM_001177996,NM_001177997	FAM109A	family with sequence similarity 10	-1.221437803	1.393166389	5.097292	4.112794	6.560941	4.06532627	3.79565219	4.51923721	618	676	1059
9463	NM_001039583,NM_001039584	PICK1	protein interacting with PRKCA 1	1.328667724	1.393163804	16.049711	21.449316	21.328196	5.13886234	5.53870585	5.60565833	1344	2386	2303

1314	NM_001098398,NM_004371	COPA	coatomer protein complex subun	1.219578821	1.3930367	23.452249	28.699724	30.776618	7.02362182	7.30801255	7.49873223	5069	8260	8685
2185	NM_004103,NM_173174,NM_17	PTK2B	protein tyrosine kinase 2 beta	1.079599275	1.392992531	13.992579	15.032422	18.78145	5.83895697	5.94759844	6.31003667	2208	3185	3783
79753	NM_024700	SNIP1	Smad nuclear interacting protein	1.131720419	1.392944954	4.914003	5.567331	6.429439	4.52559963	4.69682839	4.98601009	865	1308	1482
317	NM_001160,NM_013229,NM_18	APAF1	apoptotic peptidase activating fac	-1.166904657	1.392482846	2.679916	2.400255	3.54667	4.3072593	4.09665142	4.76429118	738	845	1264
8242	NM_001146702,NM_001282622	KDM5C	lysine demethylase 5C	1.323417746	1.392297986	17.641086	23.371442	23.287325	6.88063621	7.2819178	7.35466028	4587	8111	7855
497258	NR_002832,NR_033312,NR_03	BDNF-AS	BDNF antisense RNA	1.068928627	1.392231071	0.311124	0.331865	0.445152	0.77668602	0.81765451	0.99569924	28	40	48
79734	NM_001282684,NM_001282685	KCTD17	potassium channel tetramerizatic	2.105980009	1.392211925	6.229954	12.766607	8.01474	3.46076162	4.46494141	3.90085366	393	1106	673
5338	NM_001243108,NM_002663	PLD2	phospholipase D2	1.00859903	1.392183899	6.129631	6.180156	8.022657	4.44691093	4.45870114	4.9055589	817	1101	1399
2310	NR_026718	FOXO3B	forkhead box O3B pseudogene	1.010381876	1.392166479	0.864703	0.873105	1.130374	2.83047153	2.84329233	3.24967672	240	324	411
64863	NM_001308401,NM_022840	METTL4	methyltransferase like 4	-1.122637962	1.392156162	7.310621	6.438558	9.506696	4.74702075	4.58668388	5.20917167	1015	1208	1738
79132	NM_024119	DHX58	DExH-box helicase 58	-1.353462481	1.39210154	13.229301	9.784941	17.314447	5.11785073	4.69576755	5.58339873	1324	1307	2267
79083	NM_001042467,NM_001281473	MLPH	melanophilin	1.212171693	1.392076426	47.779727	58.878134	61.846361	7.46411561	7.74028273	7.93905755	6893	11164	11802
10038	NM_001042618,NM_005484	PARP2	poly(ADP-ribose) polymerase 2	-1.118306694	1.39201001	41.09119	36.910073	53.842325	6.24671209	6.08763347	6.71853673	2942	3515	5037
79867	NM_001143850,NM_024809	TCTN2	tectonic family member 2	1.4145943	1.391918056	4.078644	5.808335	5.339407	3.65413237	4.12530075	4.09866803	455	863	779
149473	NM_001349127,NM_001349128	CCDC24	coiled-coil domain containing 24	1.56057533	1.391826005	7.167384	11.749293	9.432907	3.39939883	3.99164624	3.83747659	375	782	642
5383	NR_027775,NR_027776,NR_02	PMS2P5	PMS1 homolog 2, mismatch repa	-1.830913133	1.391615438	8.285908	4.56666	10.862693	3.45742019	2.68977954	3.89684777	392	286	671
729614	NR_024279	FLJ37453	uncharacterized LOC729614	-1.050365366	1.391591932	1.19522	1.135151	1.559141	2.0648444	2.01116974	2.44142817	125	159	214
9563	NM_001282587,NM_004285	H6PD	hexose-6-phosphate dehydrogen	1.284806623	1.391422336	2.713726	3.491312	3.548999	4.64936645	4.99815263	5.10971027	946	1624	1619
414149	NM_001039844	ACBD7	acyl-CoA binding domain contain	-1.690866917	1.391080678	3.437185	2.031861	4.495384	3.61867338	2.93964205	4.0615736	443	350	758
3191	NM_001005335,NM_001533	HNRNPL	heterogeneous nuclear ribonucle	1.072401753	1.390782374	165.76442	177.747391	213.481262	8.32559883	8.4261415	8.80023502	12556	17991	21478
79883	NM_001146254,NM_001146255	PODNL1	podocan like 1	1.165490008	1.390725496	0.395175	0.473176	0.531936	1.21691895	1.34717796	1.50747923	52	81	89
90499	NR_038409	FAM95A	family with sequence similarity 9	2.023640302	1.39067307	0.141888	0.307947	0.194025	0.43999062	0.7861039	0.58209675	14	38	24
51309	NM_016608	ARMCX1	armadillo repeat containing, X-lin	1.174775307	1.39067307	0.171467	0.200445	0.218501	0.43999062	0.50527715	0.58209675	14	22	24
4584	NM_005960	MUC3A	mucin 3A, cell surface associatec	-49.61413382	1.390552925	1.017928	0.020149	1.334628	2.76710656	0.15624221	3.18215673	228	6	390
51011	NM_016044	FAHD2A	fumarylacetoacetate hydrolase d	-1.016814226	1.390547757	13.214888	13.007341	17.265388	4.14641466	4.12372395	4.59907035	656	862	1122
22911	NM_001142550,NM_001142551	WDR47	WD repeat domain 47	1.475027797	1.390308044	2.068113	3.060173	2.703774	3.29094516	3.80355245	3.72448562	345	680	590
6019	NM_001329191,NM_005059,NM	RLN2	relaxin 2	1.396135583	1.390248188	1.788976	2.09096	2.361146	1.10178443	1.37924953	1.37552141	45	84	77
55212	NM_018190,NM_176824	BBS7	Bardet-Biedl syndrome 7	1.233232386	1.39011854	4.262586	5.692331	5.963229	3.90286151	4.18699961	4.35082401	548	903	937
92806	NM_145039	CENPBD1	CENPB DNA-binding domains co	1.385909374	1.390106366	1.438685	2.005108	1.88552	2.40724866	2.80050884	2.80425801	169	313	289
388568	NM_001039886,NM_001321424	ZNF808	zinc finger protein 808	-1.112259247	1.390106366	1.271973	1.150058	1.739358	2.40724866	2.28388661	2.80425801	169	203	289
26013	NM_015478,NM_032107	L3MBTL1	l(3)mbt-like 1 (Drosophila)	-1.018436771	1.389760729	2.664821	2.496237	3.318871	3.22173053	3.19821471	3.6526589	327	429	559
340075	NM_001012301	ARSI	arylsulfatase family member I	-1.414831878	1.389664194	1.472854	1.040205	1.927035	2.47491059	2.07783221	2.87519973	179	169	306
84179	NM_001294341,NM_001294342	MFSD7	major facilitator superfamily dom	-1.068844677	1.389582446	1.808244	1.707054	2.374449	2.25390578	2.17847216	2.64141996	148	185	253
26168	NM_015670	SENP3	SUMO1/sentrin/SMT3 specific pe	1.550266644	1.389485456	9.979548	15.498332	13.037326	4.65812548	5.27027225	5.11661607	952	1972	1627
79744	NM_001098491,NM_001098492	ZNF419	zinc finger protein 419	1.041680652	1.389442152	22.580776	23.632232	30.892247	5.66664345	5.72442272	6.1331894	1955	2721	3341
101752400	NR_103792	CAPN10-AS1	CAPN10 antisense RNA 1 (head	1.662215591	1.389338433	1.789195	2.977891	2.334009	2.85098947	3.50238056	3.26840163	244	542	417
64969	NM_001321995,NM_001321996	MRPS5	mitochondrial ribosomal protein 9	1.175630663	1.389048071	29.274346	34.467651	38.497006	6.6194879	6.85073511	7.08948076	3821	6002	6528
23028	NM_001009999,NM_015013	KDM1A	lysine demethylase 1A	1.363935132	1.388886479	39.767184	54.299463	51.881561	6.88996148	7.33449594	7.36048988	4617	8414	7887
79022	NM_001143841,NM_001143842	TMEM106C	transmembrane protein 106C	1.027880992	1.388878886	37.83581	38.355186	48.946181	5.80518174	5.84415687	6.27188091	2156	2961	3683
54707	NM_018066	GPN2	GPN-loop GTPase 2	1.420233526	1.388768787	6.940346	9.867643	9.064116	3.48721804	3.95487459	3.92465818	401	761	685
92400	NM_033117,NR_027125,NR_02	RBM18	RNA binding motif protein 18	1.207644002	1.388574196	8.361322	10.122365	10.937258	4.70677986	4.96947085	5.16488576	986	1591	1684
6811	NM_001244666,NM_001330294	STX5	syntaxin 5	1.508964759	1.388076735	10.472589	16.151791	13.781387	4.3072593	4.87609552	4.75988697	738	1488	1260
5774	NM_001145368,NM_001145369	PTPN3	protein tyrosine phosphatase, no	-3.363503004	1.388034543	10.444854	3.638826	15.772634	6.44067162	4.72933337	6.90907779	3371	1339	5755
9967	NM_001321471,NM_001321473	THRAP3	thyroid hormone receptor associa	1.534832409	1.387878869	31.988736	49.145383	41.722739	7.11949526	7.7339664	7.58948271	5420	11115	9252
574036	NR_024337	SERTAD4-AS1	SERTAD4 antisense RNA 1	-1.470858095	1.387771951	2.117509	1.432277	2.759024	1.40904982	1.08728891	1.72191206	65	59	111
11040	NM_006875	PIM2	Pim-2 proto-oncogene, serine/thr	1.102143969	1.387733498	3.053315	3.370408	3.991553	3.07084846	3.03332122	3.32911189	256	377	437
106633800	NR_132753	SNORD133	small nucleolar RNA, C/D box 13	1.068150199	1.387593906	0.779466	0.868847	1.020669	0.23670415	0.25173066	0.32020933	7	10	12
220202	NM_145178	ATOH7	atonal bHLH transcription factor 7	-1.03859314	1.387593906	0.103336	0.116139	0.157776	0.23670415	0.2284445	0.32020933	7	9	12
406900	NR_029831	MIR106B	microRNA 106b	-1.03859314	1.387593906	2.043751	2.092228	2.777891	0.23670415	0.2284445	0.32020933	7	9	12
100289511	NR_029378	LOC100289511	uncharacterized LOC100289511	2.121242749	1.387593906	0.115845	0.271614	0.16734	0.23670415	0.46599441	0.32020933	7	20	12
8330	NM_003510	HIST1H2AK	histone cluster 1 H2A family mem	1.805314984	1.387593906	0.361505	0.691921	0.521003	0.23670415	0.40498891	0.32020933	7	17	12
100288730	NR_029383	PAN3-AS1	PAN3 antisense RNA 1	2.301867911	1.387153455	0.280132	0.659724	0.373045	0.68823103	1.26944952	0.88680889	24	74	41
100505869	NR_108036	CFAP58-AS1	CFAP58 antisense RNA 1 (head	-1.682596604	1.387153455	0.554571	0.331679	0.749115	0.68823103	0.44594451	0.88680889	24	19	41
113201	NM_138423,NM_177974	CASC4	cancer susceptibility 4	-1.159557512	1.387097015	22.635411	19.625981	29.531903	6.45372678	6.24276906	6.92120803	3402	3920	5804
79144	NM_024299	PPDPF	pancreatic progenitor cell differer	-1.015874344	1.387011511	155.71579	153.451599	202.959061	6.89243808	6.86990834	7.3610352	4625	6083	7890
55181	NM_018149	SMG8	SMG8, nonsense mediated mRN	1.130524995	1.38689528	9.876721	11.186495	12.87943	5.01931705	5.19117885	5.47874833	1234	1864	2105
133418	NM_198449	EMB	embigin	-1.213095562	1.38680232	18.977411	15.6588	24.733349	6.3331139	6.05821852	6.79989065	3126	3443	5332
29894	NM_013291	CPSF1	cleavage and polyadenylation sp	-1.048337218	1.386486998	44.402386	42.404331	57.8526	7.60950095	7.54175415	8.07888022	7628	9722	13008
6595	NM_001289396,NM_001289397	SMARCA2	SWI/SNF related, matrix associa	1.068560446	1.38630555	3.954501	4.380269	5.206087	4.51438809	4.60601172	4.9679855	858	1225	1463
5590	NM_001033581,NM_001033582	PRKCZ	protein kinase C zeta	1.17292282	1.386105508	13.590259	15.967634	17.742297	4.99532414	5.21876673	5.45374301	1213	1901	2068
84804	NM_001322080,NM_001322081	MFSD9	major facilitator superfamily dom	-1.137532417	1.385962354	3.205943	3.231152	4.662004	4.05430925	3.88026307	4.50089019	613	720	1045
132949	NM_001286668,NM_001286669	AASDH	aminoadipate-semialdehyde deh	1.079972615	1.385865893	2.987247	3.115852	3.833643	3.43720745	3.53833258	3.8706348	386	557	658
51241	NM_001204090,NM_016468	COX16	COX16, cytochrome c oxidase as	1.353575806	1.385410541	16.359563	22.213154	21.306375	4.8216876	5.24511195	5.2777797	1071	1937	1825
56990	NM_001038702,NM_020240	CDC42SE2	CDC42 small effector 2	-1.090674454	1.385314801	23.189019	21.242631	30.527162	6.38195877	6.25830165	6.84736687	3235	3963	5512
728613	NR_003713	LOC728613	programmed cell death 6 pseudo	1.917139746	1.385014014	0.714524	1.380603	0.93355	1.48977343	2.16012918	1.80975447	71	182	121
27430	NM_013283,NM_182796	MAT2B	methionine adenosyltransferase	1.098165709	1.385000407	27.851415	31.039953	36.564585	5.92976705	6.06275147	6.39307846	2354	3454	4010
2217	NM_001136019,NM_004107	FCGRT	Fc fragment of IgG receptor and	-1.158914216	1.38483865	18.812973	16.325562	24.588128	4.99186377	4.78625756	5.44896312	1210	1395	2061
79624	NM_001286562,NM_024573	ARMT1	acidic residue methyltransferase	1.409037993	1.384714803	4.028233	5.69665	5.270361	3.48721804	3.94419393	3.92071794	401	755	683
54932	NM_001286823,NM_017820,NR	EXD3	exonuclease 3'-5' domain contair	1.063080878	1.384594728	5.837989	5.852336	7.594059	3.55131131	3.63226192	3.98628107	421	598	717
63917	NM_001304514,NM_022087	GALNT11	polypeptide N-acetylgalactosamii	-1.634570021	1.384527342	11.731523	7.332408	15.267298	5.01704913	4.33606188	5.47405072	1232	1007	2098
84807	NM_001321831,NM_139239	NFKBID	NFKB inhibitor delta	-1.036407691	1.384362618	12.293396	11.842542	15.899972	4.71099515	4.66140215	5.16488576	989	1275	1684
10116	NM_015322	FEM1B	fem-1 homolog B	-1.017507495	1.384261145	6.543538	6.43907	8.514356	5.53572684	5.51123031	5.99620882	1782	2340	3034
6950	NM_001008897,NM_030752	TCP1	t-complex 1	1.59564153	1.383414236	49.876451	79.598344	64.738072	6.90537089	7.57502011	7.37027424	4667	9950	7941
3149	NM_001301228,NM_001301229	HMGB3	high mobility group box 3	-1.050772191	1.383078051	13.648291	12.965844	17.707289	5.60153485	5.53158861	6.06118777	1867	2374	3176
25825	NM_012105,NM_138991,NM_13	BACE2	beta-site APP-cleaving enzyme 2	-1.602252802	1.383045575	4.601775	2.869861	5.967252	5.34729208	4.68831976	5.8053204	1559	1300	2652
4034	NM_001289934,NM_002319	LRCH4	leucine rich repeats and calponin	-1.3081965	1.382911167	18.780078	14.206237	24.379771	5.89499076	5.51484389	6.35598995	2297	2346	3907
147929	NM_001042474,NM_152477	ZNF565	zinc finger protein 565	-1.151305284	1.382392069	2.417733	1.956791	3.093811	2.52884435	2.36086138	2.92325564	187	217	318
25913	NM_001042594,NM_015450,NR	POT1	protection of telomeres 1	-2.142955705	1.382042693	5.56575	6.628909	7.245606	4.52240522	4.49264009	4.97179891	863	538	1467
79139	NM_001134671,NM_001330601	DERL1	derlin 1	3.318661713	1.381868096	23.272111	77.332244	30.297298	6.24719593	7.96450308	6.70857291	2943	13050	5002
10518	NM_001271888,NM_001271889	CIB2	calcium and integrin binding fami	1.197332675	1.381857225	2.206088	2.557651	2.80542	2.10810423	2.31185141	2.47942639	130	208	221
7321	NM_001204880,NM_003338	UBE2D1	ubiquitin conjugating enzyme E2	-1.167905546	1.381467668	6.158346	5.279061	8.000731	4.08061013	3.87089436	4.52314065	625	715	1062
201475	NM_001025300	RAB12	RAB12, member RAS oncogene	-1.088174293	1.380955687	33.552727	30.870371	43.549385	6.14704714	6.02692652	6.60710335	2743	3368	4659
2021	NM_004435	ENDOG	endonuclease G	-1.032942714	1.380563032	10.892406	10.54889	14.127208	3.71696001	3.67379966	4.15174023	477	617	810
84775	NM_001172677,NM_032689	ZNF607	zinc finger protein 607	-1.283475366	1.380517907	4.291445	3.164715	5.135104	4.1526264	3.81532231	4.59536729	659	686	1119
6625	NM_001301069,NM_003089	SNRNP70	small nuclear ribonucleoprotein U	1.031565009	1.380436565	123.617897	127.586521	160.304119	7.90379741	7.94844831	8.3672656	9363	12905	15897
5607	NM_001206804,NM_002757,NM	MAP2K5	mitogen-activated protein kinase	-1.011523007	1.380207222	2.969609	2.929375	3.849005	2.96832247	2.95391015	3.38166197	268	354	455
2150	NM_005242	F2RL1	F2R like trypsin receptor 1	1.339543629	1.379978846	29.596745	39.687695	38.380127	6.40902161	6.82646518	6.86899886	3297	5901	5596
404093	NM_001271875,NM_001292025	CUEDC1	CUE domain containing 1	2.063994269	1.379872611	24.446538	51.322574	31.843843	6.49301423	7.53019529	6.95314577	3497	9644	5935
118812	NM_001098831,NM_178832	MORN4	MORN repeat containing 4	-1.47776668	1.379842078	5.139192	3.42775	6.66711	3.69442889	3.18315375	4.1280136	469	424	796
6541	NM_003045	SLC7A1	solute carrier family 7 member 1	1.277840685	1.379756741	11.028898	14.109756	14.299799	6.31937498	6.66916033	6.77882228	3096	5286	5254
10970	NM_006825	CKAP4	cytoskeleton associated protein 4	-1.074581776	1.379522574	19.853962	18.49847	25.746828	5.8999225	5.79794319	6.35744822	2305	2866	3911
9755	NM_014726	TBKBP1	TBK1 binding protein 1	1.639970358	1.3794723	2.939593	4.828202	3.811799	3.68302999	4.35231081	4.11600233	465	1019	789
51552	NM_016322	RAB14	RAB14, member RAS oncogene	-1.068687583	1.379271639	30.692616	28.751123	39.784008	7.03767435	6.94258617	7.44856702	5119	6400	8684
6746	NM_003145	SSR2	signal sequence receptor subunit	1.121964057	1.379218033	114.429779	128.534424	148.327484	6.98004173	7.14482875	7.44075568	4917	7371	8341
54930	NM_001166269,NM_001166270	HAUS4	HAUS augmin like complex subu	-1.297859266	1.378545327	27.779865	21.417022	36.022383	5.49475122	5.12809029	5.9491104	1731	1782	2935
4861	NM_001321086,NM_002517	NPAS1	neuronal PAS domain protein 1	-1.130088132	1.378437081	0.48967	0.360378	0.817142	0.88013425	0.80196545	1.11084509	33	39	56
10766	NM_016272	TOB2	transducer of ERBB2, 2	1.281908567	1.378260907	9.434718	12.111753	12.222726	5.42461696	5.77552483	5.87824435	1647	2821	2792
27072	NM_014396,NM_080631	VPS41	VPS41, HOPS complex subunit	-1.238745266	1.378191708	7.886268	6.374726	10.215436	5.27035534	4.97034843	5.72286727	1476	1592	2502
11069	NM_001100397,NM_001282899	RAPGEF4	Rap guanine nucleotide exchang	1.269454991	1.377949313	0.05862	0.076282	0.07605	0.3273552	0.40498891	0.43515728	10	17	17

57587	NM_001292033,NM_020827	CFAP97	cilia and flagella associated prote	1.247656828	1.377672961	4.511288	5.680778	5.926158	4.48186648	4.78824961	4.92634185	838	1397	1420
169200	NM_001008495,NM_001146273	TMEM64	transmembrane protein 64	1.018215721	1.377524247	3.265651	3.355409	4.233531	4.02977152	4.05423805	4.46750731	602	819	1020
1520	NM_001199739,NM_004079	CTSS	cathepsin S	-2.316500243	1.377338264	6.891658	2.97571	8.91672	4.83591088	3.68880651	5.28392771	1082	624	1833
10670	NM_006570	RRAGA	Ras related GTP binding A	1.596142948	1.377266326	20.309095	32.45435	26.286278	5.07161207	5.73013338	5.52165373	1281	2732	2170
7414	NM_003373,NM_014000	VCL	vinculin	-1.502415665	1.377154252	34.020784	22.676973	43.965591	7.4603647	6.87717935	7.91981608	6875	6114	11645
29934	NM_001256185,NM_001256186	SNX12	sorting nexin 12	1.150682355	1.377107752	13.559045	16.147435	17.377349	5.02722683	5.22392723	5.47673694	1241	1908	2102
7534	NM_001135699,NM_001135700	YWHAZ	tyrosine 3-monooxygenase/trypto	-1.06164019	1.377059049	349.544323	329.650547	452.767944	10.02518062	9.93897083	10.48639298	40871	51438	69223
1955	NM_001080497	MEGF9	multiple EGF like domains 9	-1.160834884	1.376897487	2.817257	2.428539	3.646398	4.17314113	3.97074877	4.61256748	669	770	1133
84548	NM_001174092,NM_001282302	TMEM185A	transmembrane protein 185A	1.400768307	1.376871835	5.08046	7.750072	5.931004	3.55131131	4.00198255	3.97872063	421	788	713
387521	NM_001162505,NM_199129,NR	TMEM189	transmembrane protein 189	1.205725981	1.376741711	19.568738	23.511842	25.326211	5.48985314	5.75428199	5.94232417	1725	2779	2921
79810	NM_001284403,NM_001284404	PTCD2	pentatricopeptide repeat domain	1.510476192	1.376570187	4.042053	6.14321	5.257497	3.21778616	3.75955568	3.63593285	326	658	552
54899	NM_001289095,NM_001289096	PXK	PX domain containing serine/thre	1.501939841	1.376537194	1.119471	1.689082	1.441819	2.16656821	2.64211237	2.53718654	137	275	232
100129083	NM_001256795	LOC100129083	uncharacterized LOC100129083	1.329570437	1.376497102	0.550984	0.738917	0.722258	0.93882015	1.15059938	1.17840727	36	64	61
645676	NR_027023	ASH1L-AS1	ASH1L antisense RNA 1	1.129993047	1.37634265	2.677995	3.041456	3.472214	2.61945147	2.76857683	3.01481644	202	305	342
25758	NM_012194	KIAA1549L	KIAA1549 like	-2.175565733	1.376260676	0.138135	0.064018	0.179871	1.36892851	0.7861039	1.66651905	62	38	105
9266	NM_004228,NM_017457	CYTH2	cytohesin 2	-1.125163074	1.375893765	33.864395	30.133236	43.792643	7.25629567	7.08733896	7.71409176	5963	7081	10091
11041	NM_006876	B4GAT1	beta-1,4-glucuronyltransferase 1	1.5527618	1.375844696	6.073891	9.447536	7.853714	3.72809498	4.32375395	4.15844821	481	998	814
23768	NM_001346143,NM_001346144	FLRT2	fibronectin leucine rich transmem	2.326768757	1.375700868	1.788211	3.550544	1.921421	2.49460548	3.55948145	2.88332104	182	566	308
57639	NM_020879	CCDC146	coiled-coil domain containing 146	-1.7555321	1.375553146	2.162329	1.231127	2.796899	3.00540462	2.32288731	3.4156568	276	210	467
214	NM_001243280,NM_001243281	ALCAM	activated leukocyte cell adhesion	1.678854274	1.375545392	7.551429	12.875187	9.981597	5.1981206	5.92966236	5.64738581	1402	3145	2372
6311	NM_001310121,NM_001310123	ATXN2	ataxin 2	-1.03964187	1.375487529	17.455571	16.425178	22.562464	6.22967464	6.17434782	6.68437517	2907	3736	4918
8760	NM_003818	CDS2	CDP-diacylglycerol synthase 2	1.432092718	1.375344086	8.851108	12.6928	11.440943	6.34627164	6.85905112	6.80123075	3155	6037	5337
8509	NM_001330107,NM_003635	NDST2	N-deacetylase and N-sulfotransfe	-1.417213302	1.374773548	3.766841	2.660669	4.872651	3.97005831	3.50480544	4.40400834	576	543	974
11337	NM_007278	GABARAP	GABA type A receptor-associate	1.103282961	1.374523233	55.473457	61.273945	71.656944	5.62182561	5.76089064	6.07277472	1894	2792	3202
105371730	NR_136413	LOC105371730	uncharacterized LOC105371730	1.208152745	1.374318254	0.417611	0.511345	0.549526	0.73313634	0.84852988	0.93448595	26	42	44
7485	NM_001146218,NM_001350293	WRB	tryptophan rich basic protein	-1.046077097	1.374214864	13.938257	13.662457	18.009952	4.52080535	4.45870114	4.96224642	862	1101	1457
57536	NM_001322327,NM_020776,NR	KIAA1328	KIAA1328	-1.019295619	1.37311416	0.770168	0.747997	1.129753	2.25390578	2.23214197	2.62698266	148	194	250
54994	NM_017896	GID8	GID complex subunit 8 homolog	1.197821972	1.372746479	15.850459	19.012123	20.450436	6.11559477	6.37257735	6.56701545	2683	4294	4530
677844	NR_003020	SNORA78	small nucleolar RNA, H/ACA box	2.063830339	1.37271801	2.520881	5.553308	3.359686	0.41264541	0.75384785	0.54161868	13	36	22
114799	NM_052911	ESCO1	establishment of sister chromatid	-1.167637367	1.372578664	7.008903	6.008817	9.045217	4.987237	4.7712289	5.43176167	1206	1380	2036
290	NM_001150	ANPEP	alanyl aminopeptidase, membran	-2.137532825	1.372547279	146.8125	68.756271	189.367493	9.02997783	7.93715882	9.48608653	20484	12804	34580
54682	NM_018050	MANSC1	MANSC domain containing 1	-1.244166282	1.372452884	8.323903	6.695306	10.736681	4.29420754	3.99682365	4.73092712	731	785	1234
343637	NM_001029871,NM_001040007	RSPO4	R-spondin 4	2.761765834	1.37205212	3.059398	8.543933	4.075906	3.18179291	4.54252068	3.59448638	317	1170	535
8417	NM_001326578,NM_001326579	STX7	syntaxin 7	1.985976242	1.371923167	3.195799	5.444031	4.363894	3.53555296	4.46244854	3.95772276	416	1104	702
1192	NM_001287593,NM_001287594	CLIC1	chloride intracellular channel 1	1.140930082	1.371876756	194.943111	224.594725	253.547673	7.89317092	8.08263354	8.34768053	9294	14168	15682
7030	NM_001282142,NM_006521	TFE3	transcription factor binding to IGH	1.288527779	1.371755261	8.413205	10.829847	10.80056	4.8626811	5.2172889	5.30524173	1103	1899	1861
56927	NM_001080452	GPR108	G protein-coupled receptor 108	1.119309468	1.371700339	35.316166	39.571754	45.527031	6.17782843	6.33831747	6.62839909	2803	4192	4729
9777	NM_014742	TM9SF4	transmembrane 9 superfamily me	-1.004142978	1.371655076	29.775738	29.684694	38.379402	6.86211879	6.85620532	7.31468202	4528	6025	7639
55602	NM_001317343,NM_017632	CDKN2AIP	CDKN2A interacting protein	1.247354879	1.37155382	5.391322	6.756844	6.959449	4.3072593	4.61164745	4.74325038	738	1230	1245
60	NM_001101	ACTB	actin beta	-1.280155232	1.371553594	2309.370605	1805.968506	2976.508057	11.99265713	11.63643728	12.4483725	159954	166947	269830
728229	NM_001242313	TMEM191B	transmembrane protein 191B	1.757807245	1.37150278	1.567398	2.754851	2.020353	1.602974	2.19658485	1.92438744	80	188	135
10314	NM_001136574,NM_001136575	LANCL1	LanC like 1	1.304372865	1.371330336	13.261053	17.314716	17.239195	5.91705205	6.29484139	6.366167	2333	4066	3935
29109	NM_001318202,NM_013241	FHOD1	formin homology 2 domain conta	-1.174874493	1.371300595	15.173897	12.933509	19.562473	5.85745527	5.62928167	6.30626619	2237	2544	3773
9945	NM_005110	GFPT2	glutamine-fructose-6-phosphate t	1.762899953	1.371161446	3.400162	6.000903	4.379344	3.49049124	4.2519532	3.91081999	402	947	678
374378	NM_198516	GALNT18	polypeptide N-acetylgalactosamii	1.965782804	1.371096495	3.309873	5.629809	4.270272	3.18986937	4.08535454	3.60188752	319	838	538
80351	NM_025235	TNKS2	tankyrase 2	-1.26106223	1.371087207	10.369951	8.231658	13.361332	6.00779304	5.67897902	6.45749978	2487	2635	4194
6341	NM_004589	SCO1	SCO1, cytochrome c oxidase ass	1.294575249	1.370895817	11.967609	15.521388	15.428981	4.42312766	4.78026487	4.85998953	803	1389	1354
57722	NM_020962	IGDCC4	immunoglobulin superfamily DCC	1.226690182	1.370237823	0.781222	0.959629	1.006229	2.57080169	2.8201133	2.95827541	194	318	327
57533	NM_001113361,NM_001113363	TBC1D14	TBC1 domain family member 14	-1.081810853	1.36989177	22.12006	19.625653	28.552119	6.60634769	6.49410697	7.0564174	3786	4676	6379
6302	NM_001330168,NM_001330169	TSPAN31	tetraspanin 31	-1.027491443	1.369824709	16.305531	15.898197	20.96965	4.83591088	4.79816878	5.2762386	1082	1407	1823
145567	NM_001010854,NM_001320421	TTC7B	tetratricopeptide repeat domain 7	1.133435195	1.369765976	2.363561	2.683187	3.04941	3.15728865	3.31887893	3.56701931	311	471	524
51293	NM_001165895,NM_016579	CD320	CD320 molecule	1.748985131	1.369742596	25.224251	43.990667	32.311532	4.97910428	5.7659537	5.42064411	1199	2802	2020
10489	NM_006369	LRRC41	leucine rich repeat containing 41	1.471603315	1.369540307	13.947238	20.550304	17.952906	5.35897928	5.90508943	5.80318171	1572	3091	2648
65997	NM_023940	RASL11B	RAS like family 11 member B	1.679433165	1.369434795	0.207933	0.352053	0.271321	0.49317359	0.75384785	0.64076093	16	36	27
7060	NM_001306212,NM_001306213	THBS4	thrombospondin 4	3.179528306	1.36938831	0.273067	0.890265	0.372554	0.91952222	1.94127715	1.15176086	35	149	59
342945	NM_001321116,NM_001321117	ZSCAN22	zinc finger and SCAN domain co	-1.020548389	1.369212729	1.709448	1.679773	2.203379	3.12816418	3.10219703	3.53644652	304	398	512
1665	NM_001358	DHX15	DEAH-box helicase 15	1.131970615	1.369194704	103.46711	117.255928	133.131104	8.25144909	8.42973507	8.70350327	11925	18036	20082
10428	NM_006324	CFDP1	craniofacial development protein	-1.010441984	1.369162344	42.069523	41.677414	54.12233	5.73860759	5.72390245	6.18461832	2057	2720	3464
51588	NM_015897	PIAS4	protein inhibitor of activated STA	1.251296434	1.369112242	8.796711	11.024871	11.323805	4.83204569	5.14528911	5.27160538	1079	1804	1817
23176	NM_001098811,NM_001098812	SEPT8	septin 8	-1.090634568	1.369101995	25.452408	23.234259	32.600633	6.73886216	6.61491476	7.18845636	4154	5089	6995
55218	NM_001193360,NM_001193361	EXD2	exonuclease 3'-5' domain contair	1.015081156	1.369006588	7.659648	7.880701	9.928203	5.28927297	5.31033101	5.72452224	1496	2029	2519
51337	NM_016647	THEM6	thioesterase superfamily membe	1.132250682	1.368973189	15.744201	17.849968	20.254438	5.15854386	5.33302449	5.60074135	1363	2062	2295
43	NM_000665,NM_001282449,NM	ACHE	acetylcholinesterase (Cartwright	-2.412935015	1.36880485	0.852378	0.356465	1.239446	1.55375576	0.84852988	1.86820921	76	42	128
2908	NM_000176,NM_001018074,NM	NR3C1	nuclear receptor subfamily 3 grou	1.427400826	1.368485529	8.05783	11.532112	10.387577	5.75435052	6.25973808	6.19973682	2080	3967	3501
8800	NM_001271572,NM_001271573	PEX11A	peroxisomal biogenesis factor 11	-1.031850429	1.36841113	5.233766	5.070666	6.722418	3.89793981	3.85577671	4.32422401	546	707	919
10507	NM_001142287,NM_006378	SEMA4D	semaphorin 4D	1.193036695	1.368358798	6.119201	7.303851	7.851777	4.83204569	5.07848781	5.27083173	1079	1720	1816
105377621	NR_136202	LOC105377621	uncharacterized LOC105377621	-1.491247311	1.36826241	1.288874	0.848322	1.660478	0.97665845	0.72085408	1.21747621	38	34	64
8658	NM_003747	TNKS	tankyrase	1.263462791	1.367828205	3.294422	4.167558	4.233733	4.99070847	5.31862454	5.43037665	1209	2041	2034
23515	NM_001320445,NM_001320446	MORC3	MORC family CW-type zinc finge	1.042729866	1.367796978	10.350049	10.808923	13.310541	5.45341658	5.51243584	5.89641527	1681	2342	2828
90864	NM_001324081,NM_080861	SPSB3	splA/ryanodine receptor domain a	-1.04049758	1.36776287	24.203016	23.921764	31.923838	5.22489744	5.16918099	5.6663355	1429	1835	2404
6009	NM_005614	RHEB	Ras homolog enriched in brain	-1.59640633	1.367666994	56.438244	35.389545	72.545067	6.84591841	6.1785307	7.29426962	4477	3747	7531
10160	NM_001001715,NM_001286839	FARP1	FERM, ARH/RhoGEF and plecks	1.119269537	1.367661539	2.989601	3.385137	3.955276	3.92480368	4.07723084	4.35082401	557	833	937
9700	NM_012291	ESPL1	extra spindle pole bodies like 1, s	-1.071496292	1.367612478	10.409612	9.726921	13.379111	6.09046901	5.99235095	6.53644257	2636	3287	4434
57508	NM_001330417,NM_001351695	INTS2	integrator complex subunit 2	-1.027940875	1.367492816	8.643907	8.430641	11.106706	5.71850978	5.67951575	6.1626823	2028	2636	3411
8623	NM_001173473_chrX,NM_0011	ASMTL	acetylserotonin O-methyltransfer	1.626219685	1.36738884	3.469335	5.64964	4.466669	3.0370876	3.66948316	3.44063736	283	615	476
654466	NR_003670	FGF7P3	fibroblast growth factor 7 pseudo	1.337403371	1.367182304	0.103776	0.138977	0.134753	0.56944351	0.72085408	0.73352601	19	34	32
6414	NM_001085486,NM_001093726	SELENOP	selenoprotein P	-1.581449141	1.367182304	0.207285	0.131968	0.273138	0.56944351	0.38408669	0.73352601	19	16	32
21402	NM_001166261,NM_001166262	MTIF3	mitochondrial translational initiati	-1.036170659	1.36691109	16.669829	16.391144	21.773783	4.22037842	4.15493692	4.63318145	684	882	1150
51278	NM_016545	IER5	immediate early response 5	1.177345483	1.366575905	24.986938	29.446516	32.084721	5.85745527	6.08925019	6.30134978	2237	3519	3760
80306	NM_025205	MED28	mediator complex subunit 28	1.196028371	1.366573929	14.651111	17.538967	18.817196	5.13573004	5.38725856	5.57527538	1341	2143	2254
140825	NM_001278535,NM_080749	NEURL2	neuralized E3 ubiquitin protein lig	1.546569176	1.366470035	0.785718	1.22917	1.014331	1.08456011	1.45142181	1.34055586	44	91	74
5613	NM_005044	PRKX	protein kinase, X-linked	-1.038940716	1.366411321	1.937078	1.866557	2.488856	3.64240927	3.59177559	4.0615736	451	580	758
8703	NM_001199873,NM_001199874	B4GALT3	beta-1,4-galactosyltransferase 3	1.104156171	1.366245601	17.439195	19.236504	22.348695	5.3829543	5.5226424	5.82389986	1599	2359	2687
91862	NM_001017967,NM_001271329	MARVELD3	MARVEL domain containing 3	-1.072804523	1.365968479	14.562645	13.427229	18.135475	5.10935964	5.01100366	5.54807524	1316	1639	2211
574029	NR_002834	DUSP5P1	dual specificity phosphatase 5 ps	-2.976908687	1.36574505	0.490425	0.159022	0.635926	1.13562816	0.48576948	1.39836968	47	21	79
4907	NM_001204813,NM_002526	NT5E	5'-nucleotidase ecto	-1.081403963	1.365558164	37.063832	34.389905	47.703621	7.18888683	7.07678378	7.63573576	5689	7029	9555
64769	NM_001270875,NM_001270876	MEAF6	MYST/Esa1 associated factor 6	-1.008758421	1.365447042	8.244574	8.196043	10.603548	5.30516019	5.29289816	5.74476254	1513	2004	2541
684	NM_004335	BST2	bone marrow stromal cell antigen	-1.066136897	1.365234304	115.060379	108.044266	147.626266	6.84751475	6.75594809	7.29331757	4482	5617	7526
55	NM_001099,NM_001134194,NM	ACPP	acid phosphatase, prostate	2.362137476	1.365106868	0.570755	1.144296	0.800736	1.18495016	2.0043309	1.45395569	50	158	84
11179	NM_021994	ZNF277	zinc finger protein 277	-1.973850328	1.364691006	5.451331	2.762342	6.991882	3.9320442	3.04002433	4.35521005	560	379	940
55113	NM_018053	XKR8	XK related 8	-1.60178387	1.364678124	4.624302	2.888278	5.931153	3.71416279	3.09899072	4.13313083	476	397	799
25816	NM_001077654,NM_001286813	TNFAIP8	TNF alpha induced protein 8	1.413386987	1.364587024	5.145441	7.227242	6.556585	3.46742135	3.9280232	3.88071204	395	746	663
4905	NM_006178,NR_040116	NSF	N-ethylmaleimide sensitive factor	-1.195017091	1.364580664	12.907673	10.812114	16.552863	5.67385961	5.42231408	6.11476878	1965	2197	3298
4012	NM_005575,NM_175920	LNPEP	leucyl and cystinyl aminopeptidas	-1.055896707	1.364539093	3.327015	3.154204	4.26967	3.95355025	3.88026307	4.37694243	569	720	955
478	NM_001256213,NM_001256214	ATP1A3	ATPase Na+/K+ transporting sub	2.608561349	1.364277831	0.597333	1.578841	0.772377	1.65056839	2.71931318	1.97085819	84	293	141
10533	NM_001136031,NM_001144912	ATG7	autophagy related 7	1.232975868	1.364182442	4.887287	5.910328	6.843796	4.60927912	4.90024229	5.04149497	919	1514	1542
2232	NM_001258012,NM_001258013	FDXR	ferredoxin reductase	1.042411092	1.363889329	8.307729	8.862676	10.863018	4.04987877	4.10626455	4.47424393	611	851	1025
64395	NM_178439	GMCL1	germ cell-less, spermatogenesis	-1.147000682	1.363841358	5.143926	4.487868	6.588748	4.47030848	4.28195221	4.90056614	831	968	1394
85457	NM_033426	CIPC	CLOCK interacting pacemaker	1.240885357	1.3636037	5.329383	6.621597	6.829541	4.5587208	4.85819066	4.98977621	886	1469	1486

256126	NM_001105578	SYCE2	synaptonemal complex central el	2.719866512	1.36330934	0.75806	2.126509	1.003942	0.77668602	1.55800914	0.98063768	28	102	47
26782	NR_002444	SNORA66	small nucleolar RNA, H/ACA box	1.441721052	1.36330934	5.474529	7.86954	7.060546	0.77668602	1.02107213	0.98063768	28	54	47
57178	NM_020338	ZMIZ1	zinc finger MIZ-type containing 1	-1.343329793	1.362943873	6.427573	4.791313	8.233627	5.59394673	5.17832427	6.03271963	1857	1847	3113
100506394	NR_044993	GAS6-AS2	GAS6 antisense RNA 2 (head to	-1.240194415	1.362798074	0.87152	0.700051	1.113641	1.40904982	1.22307764	1.70368302	65	70	109
1603	NM_001344	DAD1	defender against cell death 1	1.246714316	1.362287044	153.702194	191.858322	196.804611	6.71876791	7.03419316	7.16116188	4096	6823	6863
8895	NM_003909	CPNE3	copine 3	-1.245354842	1.362152046	14.609477	11.745076	18.704292	6.13350189	5.82196451	6.57393141	2717	2915	4552
6001	NM_001005339,NM_002925	RGS10	regulator of G protein signaling 1	-1.137090656	1.361775765	13.936459	12.21677	17.767324	3.72531928	3.55480842	4.14161942	480	564	804
129790	NR_026865	C7orf13	chromosome 7 open reading fran	1.12448363	1.361757569	2.241693	2.530781	2.876216	2.58923814	2.73178769	2.96976228	197	296	330
29091	NM_001304476,NM_001304477	STXBP6	syntaxin binding protein 6	-1.475146932	1.361576385	1.727795	1.189111	2.167821	3.05045588	2.56983975	3.44886901	286	259	479
51603	NM_001007239,NM_014955,NM	METTL13	methyltransferase like 13	1.145309189	1.361573599	9.247036	10.691202	12.068342	4.98607799	5.17604388	5.41924838	1205	1844	2018
23169	NM_015139	SLC35D1	solute carrier family 35 member I	-1.049441126	1.36142605	1.701389	1.623444	2.17867	3.55131131	3.48774509	3.96347983	421	536	705
10869	NM_001199160,NM_001199161	USP19	ubiquitin specific peptidase 19	1.244477921	1.361347	8.053239	10.03777	10.295331	5.25984392	5.56798878	5.69487827	1465	2436	2453
11169	NM_001008396,NM_007086	WDHD1	WD repeat and HMG-box DNA b	1.285993026	1.361332749	9.198479	11.832498	11.789777	5.7806586	6.13770922	6.21871574	2119	3641	3548
57677	NM_001297619,NM_020917	ZFP14	ZFP14 zinc finger protein	-1.262674471	1.360953669	0.778255	0.618965	0.996643	2.74535098	2.46415559	3.13191707	224	237	375
4810	NM_001136024,NM_001291867	NHS	NHS actin remodeling regulator	1.02177066	1.360888556	1.362207	1.393833	1.743876	3.66865353	3.69731229	4.08288706	460	628	770
55521	NM_001017397,NM_001017398	TRIM36	tripartite motif containing 36	1.815444675	1.360720717	0.52417	1.004098	0.702743	1.70793493	2.35549733	2.03057861	89	216	149
10272	NM_005860	FSTL3	follistatin like 3	-2.034598368	1.360530621	21.172796	10.415382	27.078012	5.72199495	4.72518011	6.15892396	2033	1335	3402
63894	NM_001193314,NM_001193315	VIPAS39	VPS33B interacting protein, apica	1.283602177	1.360486023	7.061009	8.794902	8.921426	4.22515306	4.56825335	4.64874869	695	1192	1163
8894	NM_001316363,NM_001316364	EIF2S2	eukaryotic translation initiation fa	1.118515875	1.360410041	105.489485	118.017992	134.406521	8.09292324	8.25395051	8.53556825	10680	15961	17870
4485	NM_020998,NR_146060	MST1	macrophage stimulating 1	-1.029846786	1.360266904	3.473127	3.376091	4.49441	3.13654562	3.09899072	3.53644652	306	397	512
64786	NM_001146213,NM_001146214	TBC1D15	TBC1 domain family member 15	-1.180541608	1.360015338	6.229065	5.304298	7.964991	5.16162707	4.92941706	5.59457146	1366	1546	2285
27125	NM_014423	AFF4	AF4/FMR2 family member 4	1.213645715	1.35997097	12.39781	15.063131	15.844216	6.86590435	7.1430786	7.30621192	4540	7362	7594
9321	NM_001321851,NM_004239	TRIP11	thyroid hormone receptor interact	1.133512583	1.359559151	4.41485	5.00827	5.63937	5.45843972	5.6353808	5.89289991	1687	2555	2821
133686	NM_001085411,NM_001287340	NADK2	NAD kinase 2, mitochondrial	1.138702328	1.359240817	3.442181	3.967325	4.396807	3.81159508	3.98645018	4.22706077	512	779	856
57683	NM_001285549,NM_020923	ZDBF2	zinc finger DBF-type containing 2	1.842736811	1.35919187	2.840111	5.24458	3.639337	4.87400371	5.73323878	5.3037297	1112	2738	1859
7059	NM_001252607,NM_001252608	THBS3	thrombospondin 3	-1.258819484	1.359099854	17.42529	13.942823	22.310677	5.80123322	5.47582432	6.23705219	2150	2282	3594
80762	NM_030571	NDFIP1	Nedd4 family interacting protein 1	1.146368266	1.359072451	26.612604	30.545837	33.992214	6.55802658	6.75314622	6.99660954	3660	5606	6118
87769	NM_001195087,NM_033110	GGACT	gamma-glutamylamine cyclotrans	1.019383571	1.359063495	0.55363	0.571402	0.718122	1.30878272	1.32539385	1.58918956	58	79	97
123	NM_001122,NR_038064	PLIN2	perilipin 2	4.021708776	1.358917234	20.943007	84.342181	26.782634	5.39784781	7.3797859	5.83126516	1616	8684	2701
201229	NM_001076680	LYRM9	LYR motif containing 9	1.125405848	1.35891534	2.298147	2.602852	2.943499	2.11660268	2.24959721	2.46867149	131	197	219
26133	NM_015638,NM_199368	TRPC4AP	transient receptor potential cation	1.105901482	1.358833509	31.592369	34.978491	40.408566	6.6194879	6.76330885	7.05798779	3821	5646	6386
211	NM_000688,NM_001304443,NM	ALAS1	5'-aminolevulinate synthase 1	1.45044907	1.358831434	16.509819	23.67178	20.883719	5.23175921	5.75631865	5.66398036	1436	2783	2400
84232	NM_032272	MAF1	MAF1 homolog, negative regulat	-1.048138364	1.358451604	33.030914	31.553604	42.182007	5.8606208	5.79398308	6.29603638	2242	2858	3746
23143	NM_001164211,NM_001164213	LRCH1	leucine rich repeats and calponin	1.239061288	1.358299289	3.634565	4.512515	4.650954	4.1588115	4.45243375	4.57920996	662	1096	1106
2535	NM_001466	FZD2	frizzled class receptor 2	1.979876725	1.358174628	4.112958	8.160286	5.252169	4.02751998	4.96859275	4.44573627	601	1590	1004
284309	NM_001348007,NM_173632,NR	ZNF776	zinc finger protein 776	1.316344497	1.357947025	9.916768	13.150365	15.467613	5.29396387	5.68166066	5.725693	1501	2640	2507
253635	NM_001278505,NM_001322249	GPATCH11	G-patch domain containing 11	1.984596557	1.357885303	1.841104	3.673832	2.377115	3.00540462	3.90250283	3.39875952	276	732	461
137492	NM_001145152,NM_152415	VPS37A	VPS37A, ESCRT-I subunit	-1.016728177	1.357870198	4.354968	4.287883	5.570089	4.35472906	4.33197089	4.77742372	764	1004	1276
4439	NM_002441,NM_025259,NM_17	MSH5	mutS homolog 5	1.047119756	1.357202367	8.156179	8.54863	10.440279	4.54461902	4.60826865	4.9689398	877	1227	1464
54531	NM_001346105,NM_017550	MIER2	MIER family member 2	1.212567464	1.357035271	12.845679	15.576647	16.303282	5.1647037	5.43572001	5.59457146	1369	2218	2285
57205	NM_020453	ATP10D	ATPase phospholipid transporting	1.082975767	1.35694194	3.993336	4.330075	5.092499	4.72634668	4.83717724	5.15233896	1000	1447	1669
10015	NM_001162429,NM_001256192	PDCD6IP	programmed cell death 6 interact	-1.003915539	1.356832936	17.405471	17.467688	22.418715	6.63139796	6.62581688	7.06781988	3853	5128	6430
29916	NM_001330320,NM_013323,NM	SNX11	sorting nexin 11	-1.125992358	1.356812936	7.644618	7.349953	10.523525	4.34933082	4.18699961	4.7708724	761	903	1270
3612	NM_001144878,NM_001144879	IMPA1	inositol monophosphatase 1	-1.2382232	1.356528433	7.058509	5.717184	8.954184	4.59718428	4.30300447	5.02139743	911	983	1520
105369306	NR_147887	LOC105369306	uncharacterized LOC105369306	-1.203087877	1.356502318	1.8197	1.510648	2.32613	2.36507395	2.15396266	2.72964665	163	181	272
1308	NM_000494	COL17A1	collagen type XVII alpha 1 chain	1.213626389	1.355901318	26.084932	31.691744	33.23843	7.16475992	7.44231817	7.60137806	5594	9071	9329
25914	NM_001318520,NM_173630	RTTN	rotatin	-1.180419203	1.355455678	7.703123	6.522485	9.794019	5.75775028	5.52324054	6.189539	2085	2360	3476
57655	NM_001136199,NM_001320034	GRAMD1A	GRAM domain containing 1A	-1.211225032	1.35542324	14.740632	12.221954	18.652437	5.27795218	5.00929679	5.70694011	1484	1637	2474
2776	NM_002072	GNAQ	G protein subunit alpha q	1.068443342	1.355334812	8.283759	8.8623	10.553429	5.70518879	5.79893152	6.1365907	2009	2868	3349
4000	NM_001257374,NM_001282624	LMNA	lamin A/C	1.270081788	1.355097934	193.79959	233.179842	233.216878	8.81608088	9.16032331	9.25364137	17656	29962	29427
5970	NM_001145138,NM_001243984	RELA	RELA proto-oncogene, NF-kB su	1.186298616	1.355067739	24.057684	28.545805	30.471335	5.91400808	6.15672319	6.3461079	2328	3690	3880
8635	NM_003730	RNASET2	ribonuclease T2	1.002803673	1.35499813	9.596887	9.635845	12.219518	3.66576097	3.66948316	4.07404468	459	615	765
25999	NM_001199570,NM_015526	CLIP3	CAP-Gly domain containing linke	-1.223270745	1.354627854	0.658049	0.53601	0.829367	1.6852613	1.49109792	2.0010274	87	95	145
6426	NM_001078166,NM_006924,NR	SRSF1	serine and arginine rich splicing f	-1.120022847	1.35458485	91.028821	79.944797	116.004343	8.79712343	8.63398342	9.23412741	17425	20787	29031
53630	NM_017429	BCO1	beta-carotene oxygenase 1	-1.819322514	1.354422595	0.636378	0.355183	0.822601	1.33814853	0.8787583	1.61867597	60	44	100
55664	NM_017913	CDC37L1	cell division cycle 37 like 1	1.163983924	1.354321349	3.023526	3.524415	3.854589	3.50674676	3.70787447	3.91081999	407	633	678
9820	NM_001168370,NM_014780	CUL7	cullin 7	-1.055556225	1.354219061	6.168549	5.851963	7.84879	5.09006999	5.01441136	5.51644141	1298	1643	2162
103504738	NR_128720_chr1,NR_128720_c	MIR6859-4	microRNA 6859-4	1.246657524	1.35398247	13.582571	17.035292	17.518246	0.93882015	1.10017522	1.16514558	36	60	60
326625	NM_052845,NR_038118	MMAB	methylmalonic aciduria (cobalam	1.384010683	1.353946453	3.214487	4.454259	4.076966	3.80897562	4.24906335	4.21906166	511	945	851
101927481	NR_126336	LINC01909	long intergenic non-protein codin	1.122215709	1.353762817	0.957589	1.065839	1.209033	0.81895953	0.89363826	1.02535867	30	45	50
100126351	NR_030635	MIR939	microRNA 939	-1.144656771	1.353762817	9.436645	8.267582	12.036478	0.81895953	0.73744528	1.02535867	30	35	50
642273	NM_001077710	FAM110C	family with sequence similarity 1	1.13772114	1.353746313	6.873803	7.831187	8.747992	4.78350351	4.96331284	5.20674668	1042	1584	1735
85012	NM_001006933,NM_032926	TCEAL3	transcription elongation factor A	1.34151136	1.353537846	8.774952	11.802491	11.16694	3.40287721	3.79168578	3.80364308	376	674	626
65991	NM_023934	FUNDC2	FUN14 domain containing 2	1.189247837	1.353417643	5.948605	7.078254	7.565507	4.18329013	4.4206818	4.59907035	674	1071	1122
25778	NM_015375,NM_199462	DSTYK	dual serine/threonine and tyrosin	-1.125958576	1.353326079	2.637619	2.340522	3.35154	4.40589631	4.24326622	4.82457876	793	941	1320
259230	NM_147156	SGMS1	sphingomyelin synthase 1	-1.477519505	1.353226581	2.176498	1.473875	2.772444	3.16550307	2.67693481	3.55943664	313	283	521
114827	NM_052929	FHAD1	forkhead associated phosphopep	2.522661822	1.353199244	0.107051	0.271374	0.13382	0.61813834	1.23481109	0.78645063	21	71	35
4357	NM_001013436,NM_001130517	MPST	mercaptopyruvate sulfurtransfera	1.131888478	1.353019324	58.42086	66.291876	73.775035	6.29196733	6.46855802	6.72335158	3037	4593	5054
55147	NM_001077351,NM_001077352	RBM23	RNA binding motif protein 23	1.263620176	1.352670868	7.043927	8.956074	9.030169	4.21529532	4.53660777	4.63077151	690	1165	1148
1376	NM_000098,NM_001330589	CPT2	carnitine palmitoyltransferase 2	1.325650182	1.352595105	5.654753	7.519374	7.221189	4.17314113	4.56011536	4.58793254	669	1185	1113
1778	NM_001376	DYNC1H1	dynein cytoplasmic 1 heavy chair	-1.005473565	1.352451811	32.136715	31.997622	40.843613	8.81281599	8.80495835	9.24755928	17616	23409	29303
100131655	NR_040024	LOC100131655	uncharacterized LOC100131655	1.394264822	1.352450602	0.295626	0.409629	0.379608	0.46682716	0.61708849	0.60191771	15	28	25
84054	NR_001282	PCDHB19P	protocadherin beta 19 pseudoger	-1.427196617	1.352450602	0.083913	0.059306	0.103788	0.46682716	0.3412894	0.60191771	15	14	25
3660	NM_002199	IRF2	interferon regulatory factor 2	-1.080791827	1.352402161	12.884614	11.931904	16.368429	4.89144191	4.78326433	5.31428079	1126	1392	1873
7165	NM_001243891,NM_001243892	TPD52L2	tumor protein D52 like 2	1.06911102	1.352401641	59.68232	63.908703	76.204096	7.10568758	7.20142381	7.53848699	5368	7668	8929
22893	NM_001301132,NM_014952,NR	BAHD1	bromo adjacent homology domai	1.086768883	1.352384774	5.932151	5.72469	7.704832	4.6077728	4.72309898	5.02782252	918	1333	1527
26084	NM_001251962,NM_001251963	ARHGEF26	Rho guanine nucleotide exchang	1.092758915	1.352336894	0.561286	0.623862	0.711685	1.9554003	2.05153568	2.29082241	113	165	188
83860	NM_031923	TAF3	TATA-box binding protein associ	1.690090557	1.352185061	2.32704	3.942003	2.960033	3.08551061	3.77168848	3.47597349	294	664	489
168455	NM_175884	CCDC71L	coiled-coil domain containing 71	-1.768806146	1.352159461	2.536501	1.434061	3.221391	4.1588115	3.39667017	4.5729471	662	500	1101
100128822	NR_027387	LINC01003	long intergenic non-protein codin	-1.36181364	1.352099347	1.899863	1.402611	2.427172	1.86749926	1.55800914	2.19620105	104	102	173
51322	NM_016628,NM_100264,NM_10	WAC	WW domain containing adaptor w	1.118251954	1.352059816	22.903343	25.895865	29.282495	6.96070103	7.12072434	7.3928496	4851	7248	8067
114879	NM_001144063,NM_020896,NM	OSBPL5	oxysterol binding protein like 5	1.385519446	1.351865146	5.809913	8.061422	7.35612	4.50794215	4.96066562	4.92634185	854	1581	1420
100288428	NR_033378	LMCD1-AS1	LMCD1 antisense RNA 1 (head t	-1.451716328	1.351798139	0.141246	0.099028	0.183747	0.38477185	0.27464693	0.49997203	12	11	20
56171	NM_018897	DNAH7	dynein axonemal heavy chain 7	2.419750745	1.351798139	0.023516	0.060258	0.031025	0.38477185	0.80196545	0.49997203	12	39	20
3008	NM_005321	HIST1H1E	histone cluster 1 H1 family memb	2.172477755	1.351798139	0.399588	0.866541	0.49186	0.38477185	0.73744528	0.49997203	12	35	20
8411	NM_003566	EEA1	early endosome antigen 1	-1.19454522	1.351439652	2.949388	2.472091	3.748782	4.58498718	4.3401413	5.00381225	903	1010	1501
51397	NM_001308080,NM_016144,NR	COMMD10	COMM domain containing 10	-1.002615856	1.351358257	16.574255	16.424786	21.281116	4.66393542	4.66031492	5.08351504	956	1274	1589
23633	NM_012316	KPNA6	karyopherin subunit alpha 6	1.118346593	1.351239218	12.039909	13.478674	15.287772	6.44994873	6.60957348	6.87994812	3393	5070	5639
56101	NM_018925,NM_032099	PCDHGB5	protocadherin gamma subfamily	1.144588559	1.351232079	4.566518	5.248386	5.830045	4.39021014	4.5763457	4.80654202	784	1199	1303
157570	NM_001017420	ESCO2	establishment of sister chromatid	1.468008748	1.351170421	2.235332	3.282753	2.836098	3.05488459	3.55246622	3.44338646	287	563	477
54553	NR_033797	LINC02486	long intergenic non-protein codin	1.380957208	1.351043746	2.417047	3.346709	3.074259	3.01452812	3.43022535	3.40158951	278	513	462
7126	NM_021137	TNFAIP1	TNF alpha induced protein 1	-1.559579093	1.35079621	13.078803	8.393852	16.607798	5.6300111	5.00502076	6.05625745	1905	1632	3165
106144532	NR_132369,NR_132370	ARF4-AS1	ARF4 antisense RNA 1	1.244483702	1.350716051	0.416124	0.586444	0.526778	0.29776659	0.36283659	0.39027104	9	15	15
166968	NM_001297598,NM_001297599	MIER3	MIER family member 3	-1.219258126	1.350705805	8.43265	6.929137	10.710455	5.45257769	5.17375987	5.87773632	1680	1841	2791
10541	NM_006401	ANP32B	acidic nuclear phosphoprotein 32	1.201691515	1.350538819	127.525078	153.423416	161.85994	7.65579107	7.91965971	8.08747343	7878	12649	13086
4645	NM_001080467	MYO5B	myosin VB	-1.537060683	1.350498541	6.029975	3.92688	7.653355	5.830587	5.22392723	6.25750353	2195	1908	3646
83541	NM_001042353,NM_001289145	FAM110A	family with sequence similarity 1	1.923703376	1.350347474	11.606282	20.884766	13.846517	4.33301385	5.24220835	4.7477056	752	1933	1249
9179	NM_004722	AP4M1	adaptor related protein complex 4	-1.283904232	1.350257681	4.828869	3.758549	6.129167	3.29094516	2.97154911	3.68554025	345	359	573
65996	NR_026052	CENPBD1P1	CENPB DNA-binding domains cc	-1.656889201	1.349919501	1.285965	0.777115	1.634052	2.37926962	1.82188956	2.73862739	165	133	274

8192	NM_006012	CLPP	caseinolytic mitochondrial matrix	1.144513134	1.349916089	28.764139	32.95348	36.500664	5.05512721	5.2443866	5.47673694	1266	1936	2102
23423	NM_001301203,NM_001330376	TMED3	transmembrane p24 trafficking pr	1.007851727	1.349829183	61.565518	62.505504	78.557264	6.49993314	6.5110927	6.92858469	3514	4732	5834
1522	NM_001336	CTSZ	cathepsin Z	1.046841506	1.349786859	205.317978	215.180664	260.434387	8.23300294	8.29883199	8.66449497	11773	16467	19545
5315	NM_001206796,NM_001206797	PKM	pyruvate kinase, muscle	1.547195358	1.349523029	524.309688	812.298933	664.458695	10.44989874	11.07919028	10.88208194	54875	113440	91083
3099	NM_000189	HK2	hexokinase 2	1.244130463	1.349506338	20.632061	25.695475	26.163498	7.16475992	7.47792875	7.59459273	5594	9299	9285
4942	NM_000274,NM_001171814,NM	OAT	ornithine aminotransferase	1.129096688	1.349430239	24.842661	28.038775	31.277056	5.67888953	5.85084386	6.10394999	1972	2975	3273
81544	NM_001351167,NM_001351168	GDPD5	glycerophosphodiester phosphoc	1.680996882	1.349403353	0.940844	1.924974	1.219757	2.26923253	2.89227137	2.62213795	150	337	249
1385	NM_001320793,NM_004379,NM	CREB1	cAMP responsive element bindin	1.27557873	1.349326219	5.117901	6.308693	6.07697	5.43059347	5.77452033	5.85417145	1654	2819	2745
90580	NM_138358	TIMM29	translocase of inner mitochondria	1.211638269	1.349242787	9.684584	11.749907	12.276972	4.83462152	4.08373346	4.23024804	517	837	858
2936	NM_000637,NM_001195102,NM	GSR	glutathione-disulfide reductase	1.101249996	1.349214423	9.953008	11.141629	12.796201	4.98839509	5.1233639	5.40873708	1207	1776	2003
1464	NM_001897	CSPG4	chondroitin sulfate proteoglycan	-2.019783358	1.34919643	7.717341	3.8253	9.786203	5.9841867	4.99298	6.41039332	2446	1618	4059
9618	NM_004295	TRAF4	TNF receptor associated factor 4	-1.090190658	1.349152001	60.182709	55.259144	76.301254	7.41823311	7.29441109	7.84810778	6676	8182	11078
51696	NM_016217	HECA	hdc homolog, cell cycle regulator	-1.288721432	1.349137655	2.784089	2.165033	3.531493	4.02300634	3.68239411	4.43198063	599	621	994
255520	NM_153702	ELMOD2	ELMO domain containing 2	1.159439945	1.34900937	5.663464	5.877748	6.421902	4.50794215	4.71264808	4.92339112	854	1323	1417
5164	NM_001199898,NM_001199899	PDK2	pyruvate dehydrogenase kinase 2	1.078864702	1.348899404	9.598519	9.468127	11.546781	4.40935908	4.51391509	4.82352399	795	1146	1319
4784	NM_001271043,NM_001271044	NFIX	nuclear factor I X	1.006451348	1.348742027	3.823733	3.860276	4.854166	4.44859483	4.45744984	4.86307268	818	1100	1357
101928994	NR_120648	LOC101928994	uncharacterized LOC101928994	-1.002055038	1.348571725	0.081204	0.080522	0.101288	0.20517559	0.20477631	0.27153692	6	8	10
10578	NM_001302758,NM_006433,NM	GNLY	granulysin	3.694120386	1.348571725	0.144166	0.693653	0.175328	0.20517559	0.65251278	0.27153692	6	30	10
973	NM_001783,NM_021601	CD79A	CD79a molecule	1.24305565	1.348571725	0.112833	0.155507	0.152734	0.20517559	0.25173066	0.27153692	6	10	10
8355	NM_003534	HIST1H3G	histone cluster 1 H3 family memb	1.855821834	1.348571725	0.331127	0.598434	0.421658	0.20517559	0.36283659	0.27153692	6	15	10
340156	NM_001012418,NM_001347872	MYLK4	myosin light chain kinase family r	2.346034781	1.348571725	0.026841	0.060333	0.032623	0.20517559	0.44594451	0.27153692	6	19	10
9896	NM_014845	FIG4	FIG4 phosphoinositide 5-phosph	1.10488966	1.348570033	3.549026	3.932012	4.499996	3.55444243	3.68667221	3.95387191	422	623	700
25942	NM_001145357,NM_001145358	SIN3A	SIN3 transcription regulator famil	1.241508004	1.347891741	7.868998	9.832492	10.109958	5.7268601	6.03365933	6.15053688	2040	3384	3382
57609	NM_173602	DIP2B	disco interacting protein 2 homol	-1.236820221	1.347779985	7.364295	5.96071	9.329525	5.98882325	5.68754276	6.41355113	2454	2651	4068
196264	NM_001286152,NM_198275,NR	MPZL3	myelin protein zero like 3	-1.583516077	1.347704992	7.261922	4.670874	9.293698	4.86772434	4.23306486	5.28546063	1107	934	1835
9371	NM_004798	KIF3B	kinesin family member 3B	1.240133563	1.347676214	7.220258	8.965536	9.147854	5.45927522	5.76342439	5.88128877	1688	2797	2798
79176	NM_024326	FBXL15	F-box and leucine rich repeat pro	-1.223098286	1.347638328	2.868877	2.348954	3.647141	2.93026199	2.6812291	3.31117052	260	284	431
5604	NM_002755	MAP2K1	mitogen-activated protein kinase	1.203361839	1.347630743	21.381927	25.762238	27.081038	5.77731246	6.03994294	6.20095573	2114	3399	3504
64979	NM_032479	MRPL36	mitochondrial ribosomal protein L	1.333877754	1.347554669	29.343163	39.187908	37.148022	4.21331566	4.6093958	4.62351744	689	1228	1142
155435	NM_053043	RBM33	RNA binding motif protein 33	-1.231626381	1.34730252	8.570033	6.967326	10.851577	6.44573925	6.14899263	6.87155263	3383	3670	5606
29763	NM_001184974,NM_001184975	PACSIN3	protein kinase C and casein kina	1.037311602	1.347269374	16.024045	16.781598	20.596219	4.96152109	5.01270852	5.37960921	1184	1641	1962
6396	NM_001136026,NM_001136232	SEC13	SEC13 homolog, nuclear pore ar	1.055346192	1.347170555	43.703117	46.414044	55.363194	5.95841587	6.03491824	6.38237404	2402	3387	3980
842	NM_001229,NM_001278054,NM	CASP9	caspase 9	1.000150034	1.347097991	3.968297	3.839483	5.00494	3.62762016	3.62781914	4.02716981	446	596	739
18	NM_000663,NM_001127448,NM	ABAT	4-aminobutyrate aminotransferas	1.538812851	1.34678609	0.323662	0.503047	0.413415	1.47662927	1.90501868	1.76650173	70	144	116
4772	NM_001278669,NM_001278670	NFATC1	nuclear factor of activated T-cells	1.217193121	1.346687536	0.997825	1.149174	1.684258	2.38631541	2.61991364	2.74309688	166	270	275
84914	NM_001204817,NM_032828	ZNF587	zinc finger protein 587	1.164566167	1.346463452	11.035175	12.874856	13.971798	6.23992124	6.45702128	6.66419028	2928	4556	4849
7182	NM_001291694,NM_003298	NR2C2	nuclear receptor subfamily 2 grou	1.141616165	1.346452143	5.058031	5.782603	6.415996	5.4160359	5.60292734	5.83650316	1637	2497	2711
23710	NM_031412	GABARAPL1	GABA type A receptor associate	-1.517310926	1.346392397	13.602221	8.966554	17.214645	4.68551669	4.1126379	5.10016049	971	855	1608
60673	NM_001098673,NM_021934	ATG101	autophagy related 101	1.337331662	1.346161613	18.872357	25.754557	24.096198	4.77681668	5.18287427	5.19211053	1037	1853	1717
139231	NM_207318	FAM199X	family with sequence similarity 19	1.337107271	1.346100884	13.511222	18.08576	17.092484	6.65820534	7.07372461	7.08332505	3926	7014	6500
88455	NM_033121	ANKRD13A	ankyrin repeat domain 13A	-1.376792825	1.345972395	11.769155	8.558522	14.893944	5.51739157	5.06786744	5.93794468	1759	1707	2912
304	NR_003573	ANXA2P2	annexin A2 pseudogene 2	-1.071113888	1.345925345	1.84252	1.721444	2.344075	1.75224037	1.68318474	2.06668624	93	116	154
6334	NM_001177984,NM_001330260	SCN8A	sodium voltage-gated channel alp	1.761566078	1.345925345	0.209017	0.370481	0.26483	1.75224037	2.37153003	2.06668624	93	219	154
8694	NM_012079	DGAT1	diacylglycerol O-acyltransferase	-1.307081442	1.345788147	18.67411	14.305667	23.619785	6.10174952	5.72181948	6.52480862	2657	2716	4398
474343	NM_001006681,NM_001006682	SPIN2B	spindlin family member 2B	1.338463617	1.345620408	1.977555	2.620333	2.384488	1.7191395	2.02475093	2.03057861	90	161	149
199954	NM_182532	TMEM61	transmembrane protein 61	-1.036601541	1.345620408	1.910846	1.851084	2.425733	1.7191395	1.68318474	2.03057861	90	116	149
126231	NM_001172689,NM_001172690	ZNF573	zinc finger protein 573	-1.290891727	1.34507242	0.613735	0.463462	0.847935	1.30878272	1.10017522	1.57922529	58	60	96
221656	NM_153042	KDM1B	lysine demethylase 1B	-1.65710483	1.344633102	1.77149	1.068615	2.241975	2.94465259	2.33383942	3.32316088	263	212	435
1609	NM_001347	DGKQ	diacylglycerol kinase theta	1.153762061	1.344613843	8.328218	9.623545	10.526719	5.27320884	5.47458779	5.69083514	1479	2280	2446
9703	NM_001321560,NM_001321561	KIAA0100	KIAA0100	1.165237218	1.34461376	19.553742	22.554677	24.390789	7.12450759	7.34366839	7.54905472	5439	8468	8995
27236	NM_001025593,NM_001025595	ARFIP1	ADP ribosylation factor interactin	1.026047485	1.344362611	13.576172	14.097761	17.209467	5.38031	5.41653033	5.79835805	1596	2188	2639
4289	NM_001145354,NM_001321316	MKLN1	muskelin 1	-1.151053584	1.344333293	4.958933	4.313944	6.266245	5.78199488	5.58298421	6.20217361	2121	2462	3507
64400	NM_001012398,NM_001308325	AKTIP	AKT interacting protein	-1.248010986	1.344308115	13.279355	10.623782	16.776529	5.04959013	4.74069359	5.46528578	1261	1350	2085
2065	NM_001005915,NM_01982	ERBB3	erb-b2 receptor tyrosine kinase 3	-1.406087172	1.344298222	19.299832	13.69108	25.12027	6.64798186	6.16211003	7.07115648	3898	3704	6445
54811	NM_001130031,NM_001130032	ZNF562	zinc finger protein 562	1.206618082	1.344201284	4.063948	4.960428	5.160552	4.58038655	4.8410207	4.99165559	900	1451	1488
6227	NM_001024	RPS21	ribosomal protein S21	-1.182578673	1.343960797	676.167969	572.440063	853.99469	8.03189283	7.79096	8.45697646	10236	11565	16920
2533	NM_001243093,NM_001349333	FYB	FYN binding protein	-1.508817593	1.343919626	0.257806	0.170468	0.326017	1.21691895	0.90836632	1.47560397	52	46	86
23259	NM_001164232,NM_001164234	DDHD2	DDHD domain containing 2	-1.280503517	1.343710071	7.393155	5.797106	9.216514	5.08141332	4.73657294	5.49672576	1290	1346	2132
3621	NM_001267728,NM_005537,NM	ING1	inhibitor of growth family membe	-1.07308082	1.343615668	6.560209	6.662993	7.671439	4.16497021	4.06906113	4.57043432	665	828	1099
11113	NM_001206999,NM_007174	CIT	citron rho-interacting serine/threc	-1.309784697	1.343300855	14.836591	11.308572	18.685788	6.98236854	6.59655946	7.40524048	4925	5024	8137
5991	NM_001282116,NM_001282117	RFX3	regulatory factor X3	1.293547576	1.343291106	1.051741	1.268718	1.297348	3.11973375	3.45300696	3.50257812	302	522	499
22997	NM_001277285	IGSF9B	immunoglobulin superfamily men	-1.97969436	1.343237602	0.264926	0.133426	0.336536	1.16869613	0.74086985	1.42086173	49	33	81
79670	NM_001185059,NM_001185074	ZCCHC6	zinc finger CCHC-type containing	-1.109955201	1.343228042	11.264606	10.275505	14.30235	5.98592715	5.83791964	6.4058198	2449	2948	4046
9326	NM_001281432,NM_001281433	ZNHIT3	zinc finger HIT-type containing 3	-1.055074032	1.343091106	35.974197	34.627869	46.577466	5.15442263	5.07930153	5.56962461	1359	1721	2245
389677	NM_203390	RBM12B	RNA binding motif protein 12B	1.281395607	1.343018696	6.463021	8.294336	8.161091	5.04959013	5.39773447	5.46393259	1261	2159	2083
57572	NM_020812	DOCK6	dedicator of cytokinesis 6	-1.196632519	1.34300696	10.832503	9.062869	13.675363	6.09853551	5.84367804	6.51863045	2651	2960	4379
51742	NM_001206794,NM_016374,NM	ARID4B	AT-rich interaction domain 4B	1.258467098	1.34287464	8.400358	10.677006	10.555807	5.63519596	5.96090566	6.05311118	1912	3215	3158
54882	NM_001197030,NM_017747,NM	ANKHD1	ankyrin repeat and KH domain co	-1.018457731	1.342711244	28.538012	25.830909	46.32218	7.29214081	7.26592413	7.71494524	6114	8021	10097
26123	NM_001143973,NM_015631	TCTN3	tectonic family member 3	-1.153946807	1.342595789	13.939153	12.070727	17.555884	5.25215086	5.05137419	5.66751164	1457	1687	2406
100616318	NR_039810	MIR4664	microRNA 4664	2.443296723	1.34229324	0.744234	2.760792	1.335153	0.10623215	0.25173066	0.14214747	3	10	5
100616378	NR_039945	MIR4784	microRNA 4784	2.202411351	1.34229324	0.692969	2.091982	1.241395	0.10623215	0.2284445	0.14214747	3	9	5
100128573	NR_024491	LOC100128573	uncharacterized LOC100128573	2.925067466	1.34229324	0.101142	0.445449	0.18471	0.10623215	0.29720487	0.14214747	3	12	5
338069	NR_002329	ST7-OT4	ST7 overlapping transcript 4	1.479755237	1.34229324	0.049267	0.073832	0.06066	0.10623215	0.15624221	0.14214747	3	6	5
8302	NM_013431	KLRC4	killer cell lectin like receptor C4	3.165952837	1.34229324	0.057549	0.2725	0.086156	0.10623215	0.31941552	0.14214747	3	13	5
137196	NR_130917,NR_130918,NR_13	CCDC26	CCDC26 long non-coding RNA	1.238869866	1.34229324	0.041644	0.055775	0.057712	0.10623215	0.13134883	0.14214747	3	5	5
102465480	NR_106858	MIR6800	microRNA 6800	2.202411351	1.34229324	0.730089	2.146195	1.011961	0.10623215	0.2284445	0.14214747	3	9	5
407011	NR_029664	MIR23B	microRNA 23b	1.238869866	1.34229324	0.761046	0.982382	0.971156	0.10623215	0.13134883	0.14214747	3	5	5
441501	NR_034005	LINC00891	long intergenic non-protein codin	3.64772358	1.34229324	0.068827	0.265009	0.088271	0.10623215	0.36283659	0.14214747	3	15	5
100423011	NR_036090	MIR3138	microRNA 3138	1.479755237	1.34229324	0.773909	1.207054	0.977451	0.10623215	0.15624221	0.14214747	3	6	5
83955	NR_002182	NACAP1	nascent polypeptide associated c	3.165952837	1.34229324	0.103965	0.334594	0.125273	0.10623215	0.31941552	0.14214747	3	13	5
102465481	NR_106860	MIR6802	microRNA 6802	1.238869866	1.34229324	1.159624	1.355542	1.402071	0.10623215	0.13134883	0.14214747	3	5	5
153090	NM_032552,NM_138709	DAB2IP	DAB2 interacting protein	-1.702447292	1.342107787	12.028261	7.159838	15.284309	5.92251507	5.17147225	6.34095711	2342	1838	3866
117177	NM_001024647,NM_001278402	RAB3IP	RAB3A interacting protein	-1.89003301	1.342085741	2.672949	1.403323	3.329887	4.67260671	3.80355245	5.08263362	962	680	1588
6624	NM_003088	FSCN1	fascin actin-bundling protein 1	1.843965954	1.341843403	11.132874	20.548548	14.037709	4.9685801	5.83020585	5.38104381	1190	2932	1964
102723099	NR_130107	GHET1	gastric carcinoma proliferation en	1.170668524	1.341636225	0.309107	0.370666	0.389759	0.66524311	0.75384785	0.83750224	23	36	38
150468	NM_001304361,NM_152515,NR	CKAP2L	cytoskeleton associated protein 2	1.323032101	1.341508801	8.612725	11.156481	10.919895	5.31165148	5.70662732	5.72625748	1520	2687	2508
11101	NM_001001976,NM_001288734	ATE1	arginyltransferase 1	1.041290496	1.341450772	2.367345	2.499838	3.014579	3.66865353	3.7225328	4.0633618	460	640	759
1642	NM_001923	DDB1	damage specific DNA binding pro	1.401536176	1.340955418	37.106083	52.064701	46.762138	7.30730079	7.79170491	7.72825082	6179	11571	10191
283358	NM_173593	B4GALNT3	beta-1,4-N-acetyl-galactosaminyl	-1.978152671	1.340943984	4.679996	2.367517	5.90211	4.06092955	3.15872433	4.46209528	616	416	1016
60485	NM_021818	SAV1	salvador family WW domain cont	-1.129090992	1.340920606	9.901117	8.77915	12.475204	4.967406	4.79816878	5.37889138	1189	1407	1961
5364	NM_001130082,NM_002673	PLXNB1	plexin B1	-1.139395739	1.340810148	12.912375	11.369689	16.390205	6.53086276	6.34476118	6.95000779	3591	4211	5922
255252	NM_153260	LRRC57	leucine rich repeat containing 57	-1.053052297	1.34079874	4.746923	4.513961	5.991358	3.60665736	3.53833258	3.99941726	439	557	724
55624	NM_001243766,NM_001290129	POMGNT1	protein O-linked mannose N-acet	-1.043574617	1.340673961	27.566254	25.597780	33.769123	6.16917354	6.10851071	6.58704326	2786	3567	4594
51449	NM_016297	PCYOX1	prenylcysteine oxidase 1	1.365670857	1.340575428	7.826363	10.702934	9.860951	5.39173379	5.83213817	5.80585457	1609	2936	2653
55171	NM_001134415,NM_001286749	TBCCD1	TBCC domain containing 1	1.429164559	1.340574034	6.177062	9.303205	7.723124	4.18531139	4.67653783	4.58793254	675	1289	1113
381	NM_001662	ARF5	ADP ribosylation factor 5	-1.210051977	1.340437711	56.590275	46.813583	71.287514	5.93997869	5.669824	6.35671927	2371	2618	3909
665	NM_001330491,NM_004331	BNIP3L	BCL2 interacting protein 3 like	1.462536543	1.34000987	21.507377	31.511184	27.096277	6.21589832	6.75823649	6.63322286	2879	5626	4745
5050	NM_001145939,NM_001145940	PAFAH1B3	platelet activating factor acetylhy	-1.018871596	1.339750477	31.064067	30.479509	39.060986	5.06504071	5.03887932	5.47606585	1275	1672	2101
128153	NM_138796	SPATA17	spermatogenesis associated 17	2.564425892	1.339406862	0.414697	1.08614	0.534253	0.95786335	1.77444288	1.17840727	37	127	61

90326	NM_001195752,NM_001195753	THAP3	THAP domain containing 3	-1.08582239	1.339160045	10.819263	9.505793	12.99056	3.94164205	3.83086756	4.33906229	564	694	929
162394	NM_001330183,NM_144975	SLFN5	schlafen family member 5	1.439850893	1.338826831	6.408112	8.902375	7.960252	5.53889193	6.05532648	5.95200904	1786	3436	2941
55139	NM_001042410,NM_001282792	ANKZF1	ankyrin repeat and zinc finger do	1.574369788	1.338591757	19.211106	30.356217	24.383989	5.62033234	6.26439661	6.03363206	1892	3980	3115
4320	NM_005940,NR_133013	MMP11	matrix metallopeptidase 11	-1.322300293	1.338276492	1.126826	0.864435	1.421261	1.81624731	1.5392062	2.1294865	99	100	163
116039	NM_001142462,NM_001286841	OSR2	odd-skipped related transciption	-1.733626084	1.338086888	5.021248	2.90545	6.230226	3.32067256	2.62883416	3.70399851	353	272	581
1645	NM_001353	AKR1C1	aldo-keto reductase family 1 mer	2.34671552	1.337824198	1.230961	2.890373	1.541921	1.40904982	2.2895231	1.6852207	65	204	107
56985	NM_020233	ADPRM	ADP-ribose/CDP-alcohol diphosp	1.196151196	1.337714782	2.172513	2.619891	2.746402	2.0823043	2.28388661	2.41366048	127	203	209
57659	NM_001128833,NM_020899	ZBTB4	zinc finger and BTB domain cont	1.4018411	1.337573333	6.275826	8.858393	7.889187	5.22194666	5.69817645	5.63180377	1426	2671	2346
102724562	NR_135824	LOC102724562	macrophage stimulating 1 pseud	-40.71005012	1.337447327	3.608077	0.079112	4.535214	2.87121968	0.20477631	3.24022233	248	8	408
146923	NM_001321381,NM_173079	RUNDC1	RUN domain containing 1	1.269913706	1.337413583	4.482417	5.703362	5.639965	4.59109862	4.9230853	4.99540703	907	1539	1492
50856	NM_016184,NM_194447,NM_19	CLEC4A	C-type lectin domain family 4 me	-1.30795592	1.337358329	0.969532	0.741305	1.221131	1.15225689	0.95166931	1.39836968	48	49	79
2909	NM_004491	ARHGAP35	Rho GTPase activating protein 3	1.28178265	1.337354825	7.382986	9.475414	9.279527	6.02030239	6.37357278	6.43408293	2509	4297	4127
5290	NM_006218	PIK3CA	phosphatidylinositol-4,5-bisphos	-1.017285315	1.337327569	4.000492	3.937567	5.027444	5.18706741	5.16305312	5.1564252	1391	1827	2288
126433	NM_178820	FBXO27	F-box protein 27	-1.725667047	1.337104549	4.360898	2.529292	5.4859	3.46409533	2.76857883	3.84996236	394	305	648
2762	NM_001253846,NM_001500	GMDS	GDP-mannose 4,6-dehydratase	1.009663102	1.337013513	7.171725	7.258021	9.021147	3.6887407	3.70154644	4.07935661	467	630	768
57121	NM_001142961,NM_020400	LPAR5	lysophosphatidic acid receptor 5	-1.24887343	1.336951565	2.753078	2.201846	3.478174	3.1155	2.83560729	3.49199507	301	322	495
10403	NM_006101	NDC80	NDC80, kinetochore complex cor	1.076123001	1.336815777	33.613659	36.212132	42.226631	6.17172449	6.276155	6.58548856	2791	4013	4589
84749	NM_001301175,NM_032663	USP30	ubiquitin specific peptidase 30	-1.308785243	1.336782804	3.948763	3.167121	5.454067	4.07843661	3.71626888	4.47558749	624	637	1026
1759	NM_001005336,NM_001288737	DNM1	dynamin 1	1.289161142	1.336730498	10.629196	14.089876	13.816069	5.36790544	5.72650194	5.77781179	1582	2725	2601
4354	NM_001166460,NM_001166461	MPP1	membrane palmitoylated protein	1.199345805	1.336722318	3.947588	4.778851	5.00847	3.16140171	3.39667017	3.53901915	312	500	513
10618	NM_001206840,NM_001206841	TGOLN2	trans-golgi network protein 2	1.481463128	1.336455288	18.830477	27.917078	23.696381	6.87532501	7.43835948	7.29064849	4570	9046	7512
9276	NM_004766,NR_023350	COPB2	coatomer protein complex subun	1.624139534	1.336227876	54.667015	88.88889	68.5995	7.38586173	8.08222768	7.80186185	6527	14164	10727
8767	NM_003821	RIPK2	receptor interacting serine/threon	-1.250674354	1.336225843	16.889671	13.513658	21.203936	5.44331753	5.12887652	5.85313811	1669	1783	2743
23151	NM_015124	GRAMD4	GRAM domain containing 4	-1.234858567	1.336151025	4.261901	3.454954	5.353116	4.29607932	4.0088325	4.69562066	732	792	1203
55707	NM_001145277,NM_001145278	NECAP2	NECAP endocytosis associated 2	1.096508852	1.335920432	16.373995	18.021894	20.591822	5.09545415	5.22466294	5.5026688	1303	1909	2141
84885	NM_001318015,NM_001318016	ZDHHC12	zinc finger DHHC-type containing	1.029583166	1.33564164	56.669626	57.839516	70.595954	6.01349256	6.05491286	6.42541866	2497	3435	4102
1535	NM_000101	CYBA	cytochrome b-245 alpha chain	1.404627317	1.335599652	259.258789	364.555298	325.370544	7.51964009	8.00756709	7.93515649	7165	13447	11770
100131187	NM_001113205,NM_001113206	TSTD1	thiosulfate sulfurtransferase like d	-1.180387513	1.335490652	29.773151	26.207652	37.387831	4.13809052	3.91349545	4.53478801	652	738	1071
55193	NM_001350074,NM_001350075	PBRM1	polybromo 1	1.350996428	1.335453151	2.614219	3.523691	3.286848	4.37435155	4.79023891	4.77415178	775	1399	1273
3188	NM_001032393,NM_019597	HNRNPH2	heterogeneous nuclear ribonucle	1.28353737	1.33485937	38.565814	49.565664	48.393088	6.50479717	6.86141835	6.91750551	3526	6047	5789
488	NM_001681,NM_170665	ATP2A2	ATPase sarcoplasmic/endoplasm	-1.002618424	1.334852936	34.847224	34.74936	43.480307	8.12852695	8.12452776	8.54367745	10946	14587	17971
10712	NM_001267608,NM_006589,NM	FAM189B	family with sequence similarity 18	-1.117044888	1.334848938	10.570605	9.443935	13.028858	5.01931705	4.86481307	5.42482324	1234	1476	2026
9727	NM_001142272,NM_014700	RAB11FIP3	RAB11 family interacting protein	1.10214123	1.33466711	6.621492	7.308608	8.308169	4.82946313	4.96507495	5.23319995	1077	1586	1768
284252	NM_001136205,NM_001142730	KCTD1	potassium channel tetramerizatic	1.135268464	1.334533491	8.287466	8.977958	9.861589	4.51599508	4.69151638	4.91648254	859	1303	1410
94161	NR_000024	SNORD46	small nucleolar RNA, C/D box 46	1.415093022	1.334387609	7.464078	10.575132	9.182323	0.77668602	1.00745609	0.96541723	28	53	46
100528017	NM_001199744	SAA2-SAA4	SAA2-SAA4 readthrough	-1.812776157	1.333924378	1.607746	0.892943	2.039596	1.23264156	0.80196545	1.4863075	53	39	87
1353	NM_001162861,NM_001162862	COX11	COX11, cytochrome c oxidase co	1.024167537	1.333913186	8.487135	7.442393	9.967968	3.60061161	3.63226192	3.98628107	437	598	717
400986	NM_001310154	ANKRD36C	ankyrin repeat domain 36C	-1.356043837	1.333514506	1.754597	1.294725	2.20015	3.88804577	3.48283341	4.27877089	542	534	889
231	NM_001346142,NM_001628,NR	AKR1B1	aldo-keto reductase family 1 mer	1.609227119	1.333454588	60.998263	100.864996	76.964693	6.58238943	7.26306216	6.99379923	3723	8005	6106
23155	NM_001048210,NM_001278202	CLCC1	chloride channel CLIC like 1	1.237202468	1.333400841	9.945656	12.406551	12.687899	5.58018673	5.88149093	5.98775904	1839	3040	3016
55209	NM_001080517,NM_001292043	SETD5	SET domain containing 5	1.083087445	1.333301066	16.68987	18.043689	21.128693	6.85102049	6.96521381	7.26290456	4493	6502	7368
100130717	NR_024482,NR_024483	HDHD5-AS1	HDHD5 antisense RNA 1	1.652261867	1.333059371	0.898248	1.52821	1.168108	0.43999062	0.669904	0.56199967	14	31	23
400242	NR_015415	DICER1-AS1	DICER1 antisense RNA 1	-1.180225717	1.332883867	6.416216	5.439279	8.015959	2.58923814	2.39263351	2.94281592	197	223	323
7360	NM_001001521,NM_006759	UGP2	UDP-glucose pyrophosphorylase	1.298863904	1.332858338	38.268947	49.816105	47.874896	6.32626079	6.69937939	6.73630001	3111	5399	5100
9924	NM_001127460,NM_001166279	PAN2	PAN2 poly(A) specific ribonuclea	-1.072756505	1.33253545	13.672474	12.766115	17.127619	6.16508261	6.06521799	6.57424499	2778	3460	4553
7328	NM_001202498,NM_003344,NM	UBE2H	ubiquitin conjugating enzyme E2	-1.82531326	1.332501378	31.122379	17.07033	39.037486	7.29682241	6.43621034	7.70867468	6134	4490	10053
2110	NM_001281737,NM_001281738	ETFDH	electron transfer flavoprotein deh	1.118332131	1.331667882	8.034328	9.260727	9.708447	4.22711655	4.38031337	4.62109129	696	1040	1140
100132403	NR_146178_chr16,NR_146178_	FAM157B	family with sequence similarity 15	1.601346245	1.331537761	3.596135	5.768729	4.499855	3.80108857	4.44108339	4.18825403	508	1087	832
84895	NM_001329990,NM_032809,NR	MIGA2	mitoguardin 2	1.123986889	1.331348844	19.468618	22.025717	23.942068	6.30875248	6.47537422	6.71711753	3073	4615	5032
79363	NM_030907	RSG1	REM2 and RAB like small GTPas	1.448076254	1.331229471	0.784276	1.141811	0.979496	1.13562816	1.45142181	1.37552141	47	91	77
55635	NM_001114120,NM_017779	DEPDC1	DEP domain containing 1	1.745265452	1.331197919	10.18548	17.708094	12.581549	5.64036226	6.43143843	6.04589382	1919	4475	3142
84193	NM_032233,NM_199123	SETD3	SET domain containing 3	-1.017221359	1.331193897	24.303108	24.267241	30.353346	6.08289937	6.05863119	6.49033035	2622	3444	4293
1824	NM_004949,NM_024422	DSC2	desmocollin 2	1.171880269	1.331037687	4.065123	4.772641	5.090226	4.44015563	4.65922688	4.83613057	813	1273	1331
55582	NM_001271927,NM_001271928	KIF27	kinesin family member 27	1.067185455	1.330857061	1.534254	1.615492	1.880928	2.97768275	3.05994879	3.34390718	270	385	442
11033	NM_001284308,NM_001284309	ADAP1	ArfGAP with dual PH domains 1	-1.465250926	1.330600624	59.794694	39.035497	79.008635	7.01796225	6.47197015	7.42727937	5049	4604	8263
65117	NM_023012,NR_036434,NR_03	RSRC2	arginine and serine rich coiled-co	-1.066296532	1.330515454	41.002497	38.601456	51.744627	6.60181478	6.5101878	7.01011609	3774	4729	6176
688	NM_001286818,NM_001730	KLF5	Kruppel like factor 5	1.047226214	1.330465632	43.458618	45.677737	54.714361	7.24689109	7.31303698	7.65646795	5924	8289	9694
22841	NM_001330167,NM_014904	RAB11FIP2	RAB11 family interacting protein	1.284130299	1.330306664	1.078735	1.386654	1.422794	2.94941774	3.26839621	3.31417746	264	453	432
5824	NM_001193644,NM_002857,NR	PEX19	peroxisomal biogenesis factor 19	1.126667416	1.33029235	12.003794	13.50221	14.992092	5.44753406	5.6158843	5.8510692	1674	2520	2739
8482	NM_001146029,NM_001146030	SEMA7A	semaphorin 7A (John Milton Hag	1.056668198	1.330173391	17.850898	19.990154	22.415225	5.89499076	5.97321596	6.30059192	2297	3243	3758
348262	NM_001093767,NM_001288798	MCRIP1	MAPK regulated corepressor inte	1.426784599	1.330132581	12.913934	18.016526	15.822897	3.99792567	4.48350191	4.36997325	588	1121	962
8239	NM_001003698,NM_001003699	RREB1	ras responsive element binding p	1.012823399	1.330124237	4.556926	4.553077	5.670072	5.28267998	5.30059458	5.68559352	1489	2015	2436
80776	NM_030578	B9D2	B9 protein domain 2	1.020559094	1.329886571	1.655382	1.704137	2.085762	1.42282133	1.44132992	1.69448139	66	90	108
644246	NR_034172	KANSL1-AS1	KANSL1 antisense RNA 1	1.111131564	1.329886571	3.283433	3.672562	4.117305	1.42282133	1.52015496	1.69448139	66	98	108
54545	NM_001040446,NM_001294343	MTMR12	myotubularin related protein 12	-1.013893293	1.329738142	1.847024	1.816664	2.300452	3.36414578	3.34617992	3.74022131	365	481	597
3476	NM_001551	IGBP1	immunoglobulin binding protein 1	1.153844464	1.329661472	28.916431	33.39793	36.131001	5.57711104	5.77953587	5.98067956	1835	2829	3001
100508120	NR_046229	GMDS-AS1	GMDS antisense RNA 1 (head to	-1.398390948	1.329607102	0.720468	0.516071	0.896137	1.08456011	0.84852988	1.31676564	44	42	72
63826	NM_001304803,NM_021947	SRR	serine racemase	1.421829182	1.329001109	2.405388	3.42855	3.054939	2.77786255	3.22198991	3.13532137	230	437	376
79056	NM_024081	PRRG4	proline rich and Gla domain 4	-1.786773896	1.328466666	5.725857	3.209779	7.152154	4.99532414	4.19302682	5.39389141	1213	907	1982
90678	NM_001005373,NM_001005374	LRSAM1	leucine rich repeat and sterile alp	1.035173246	1.328295142	9.610796	9.659066	11.680845	4.96269999	5.01100366	5.36082844	1185	1639	1936
401152	NM_001001701,NM_001170330	C4orf3	chromosome 4 open reading fran	1.438908093	1.328266455	12.016766	17.317011	15.00589	5.0976022	5.60970201	5.49672576	1305	2509	2132
127943	NM_001002901,NM_001288829	FCRLB	Fc receptor like B	-1.115957615	1.328105812	1.848332	1.669185	2.315609	2.20692365	2.08433212	2.53718654	142	170	232
3713	NM_005547	IVL	involucrin	-1.082278843	1.328099792	7.454267	6.893645	9.307079	4.05651939	3.94954414	4.44436461	614	758	1003
90522	NM_001039671,NM_001039672	YIF1B	Yip1 interacting factor homolog B	-1.146879291	1.327816172	11.196309	9.765606	13.960635	4.973267	4.7822652	5.37097154	1194	1391	1950
57617	NM_020857	VPS18	VPS18, CORVET/HOPS core su	1.140852068	1.327747507	4.135549	4.722336	5.158349	4.06092955	4.2403589	4.44847569	616	939	1006
3858	NM_000421	KRT10	keratin 10	-1.02180918	1.327682013	10.290336	10.079443	12.839492	4.48842972	4.45870114	4.88143447	842	1101	1375
51068	NM_001320227,NM_015938	NMD3	NMD3 ribosome export adaptor	1.136791634	1.327665439	28.705748	32.773448	35.810292	6.28208505	6.46482647	6.68640722	3016	4581	4925
9805	NM_001145513,NM_001145514	SCRN1	secernin 1	-1.138409735	1.32764986	23.160345	20.366288	28.962679	6.90445095	6.71909239	7.31035907	4664	5474	7616
156	NM_001619	GRK2	G protein-coupled receptor kinas	-1.048457729	1.327639121	46.284489	44.195976	57.751163	7.28744396	7.21962148	7.69403269	6094	7766	9951
643224	NR_027156	TUBBP5	tubulin beta pseudogene 5	1.138981473	1.327585731	2.911202	3.329709	3.637533	3.09843961	3.26553914	3.46519272	297	452	485
51343	NM_001136197,NM_001136198	FZR1	fizzy and cell division cycle 20 rel	1.266514986	1.327390082	15.751384	20.019874	19.649017	5.81042968	6.14588877	6.21268572	2164	3662	3533
6047	NM_001185009,NM_001185010	RNF4	ring finger protein 4	1.153481907	1.327226301	26.039392	30.067939	32.468518	6.25009557	6.45357357	6.65384259	2949	4545	4814
102723471	NR_135668,NR_135669,NR_135	LOC102723471	uncharacterized LOC102723471	6.074189659	1.32711303	0.292687	1.249208	0.237722	0.35634914	1.44132992	0.45708734	11	90	18
105375800	NR_136279	LOC105375800	chromosome 12 open reading fra	1.6268495	1.32711303	0.197877	0.31776	0.247482	0.35634914	0.54351856	0.45708734	11	24	18
10627	NM_001303047,NM_001303048	MYL12A	myosin light chain 12A	-1.02857601	1.326912627	384.731777	375.163517	478.512996	8.83848976	8.79793116	9.24578869	17933	23295	29267
406	NM_001030272,NM_001030273	ARNTL	aryl hydrocarbon receptor nuclea	1.390143067	1.326828949	2.93146	4.27803	3.81219	3.26059229	3.69306567	3.63111814	337	626	550
389289	NM_001014279	ANXA2R	annexin A2 receptor	-1.308517643	1.326682604	1.009083	0.772929	1.256828	1.16869613	0.96581954	1.40965954	49	50	80
51594	NM_015909,NR_052013	NBAS	neuroblastoma amplified sequen	1.426704067	1.326596292	4.438975	6.340542	5.546342	5.02384223	5.52324054	5.42064411	1238	2360	2020
9367	NM_001195328,NM_004251	RAB9A	RAB9A, member RAS oncogene	-1.444139121	1.326323741	13.98549	9.659733	17.687524	4.25047234	3.7534508	4.63918874	708	655	1155
100500849	NR_037480	MIR3916	microRNA 3916	-1.208163935	1.325596135	10.40499	8.572353	13.065849	0.97665845	0.84852988	1.19154816	38	42	62
2010	NM_000117	EMD	emerin	1.189614452	1.325560156	36.775883	43.80677	45.824444	5.61359342	5.85939613	6.01296133	1883	2993	3070
2077	NM_001301035,NM_001308402	ERF	ETS2 repressor factor	1.569047538	1.325503	7.142875	11.149649	8.844453	4.28292556	4.90575769	4.67120285	725	1520	1182
2218	NM_001079802,NM_001196963	FKTN	fukutin	1.145552335	1.325192861	5.078278	5.916018	6.43917	5.26463133	5.45591151	5.66162136	1470	2250	2396
80164	NM_001190467,NR_104345	PRR36	proline rich 36	-4.661031992	1.325171596	0.685833	0.144407	0.857509	2.01115992	0.72085408	2.32699908	119	34	194
57597	NM_001291324	BAHCC1	BAH domain and coiled-coil cont	1.370889009	1.324864441	4.426054	6.073605	5.511189	5.50287791	5.94937984	5.90092246	1741	3189	2837
51430	NM_001282750,NM_001282751	SUCO	SUN domain containing ossificati	1.073923735	1.324838431	15.797066	17.342454	19.942398	6.46666486	6.56843617	6.86848757	3433	4926	5594
24144	NM_001008697,NM_001346857	TFIP11	tuftelin interacting protein 11	1.687337858	1.324781886	15.315255	26.126535	18.878821	5.76384974	6.50777196	6.16309929	2094	4721	3412
27165	NM_001280796,NM_001280797	GLS2	glutaminase 2	-1.581449141	1.324641168	0.174703	0.115261	0.221349	0.56944351	0.38406669	0.71544405	19	16	31
91523	NM_001281429,NM_138371	PCED1B	PC-esterase domain containing 1	1.039429808	1.324347088	8.578293	8.800388	10.740737	4.29794868	4.3509637	4.68520645	733	1018	1194

22883	NM_001009566,NM_001302883	CLSTN1	calsyntenin 1	1.777714674	1.324338184	44.03406	78.449041	54.917227	7.80718797	8.63439873	8.21088567	8754	20793	14259
25797	NM_012413	QPCT	glutaminyl-peptide cyclotransfera	1.244321984	1.324303741	6.360578	7.930768	7.924861	3.53238053	3.82311587	3.90684171	415	690	676
6598	NM_001007468,NM_001317946	SMARCB1	SWI/SNF related, matrix associa	1.193943434	1.324211299	40.41704	48.3103	50.438412	6.10388823	6.35622068	6.50389152	2661	4245	4334
22931	NM_001256410,NM_001256411	RAB18	RAB18, member RAS oncogene	-1.011824427	1.323899668	12.406043	12.228193	15.44931	5.93638283	5.91970164	6.33541791	2365	3123	3851
9267	NM_001292018,NM_001292019	CYTH1	cytohesin 1	-1.355688788	1.323852385	19.282555	14.232545	24.727321	6.04944579	5.61812585	6.44886481	2561	2524	4170
79572	NM_024524	ATP13A3	ATPase 13A3	-1.025706957	1.323653055	50.392265	49.184914	62.683636	8.49405617	8.45754014	8.89760527	14116	18388	22981
145773	NM_152450	FAM81A	family with sequence similarity 8	1.037059651	1.323593209	0.520842	0.543068	0.656677	1.47662927	1.51053416	1.74883089	70	97	114
151963	NM_178496	MB21D2	Mab-21 domain containing 2	1.040702629	1.323190673	3.440071	3.582754	4.277174	3.61867338	3.67164303	3.99380211	443	616	721
5208	NM_001018053,NM_006212	PFKFB2	6-phosphofructo-2-kinase/fructos	1.036209399	1.323183162	8.968456	9.039965	10.897146	5.76181945	5.81220815	6.15934204	2091	2895	3403
79932	NM_024874	KIAA0319L	KIAA0319 like	1.170397149	1.323124497	11.711458	13.725511	14.565633	5.80452441	6.02776984	6.20217361	2155	3370	3507
57140	NM_018226	RNPEPL1	arginyl aminopeptidase like 1	-1.105027291	1.322816967	22.789948	20.649677	28.339134	6.08722974	5.94536859	6.48567036	2630	3180	4279
55763	NM_001024924,NM_018261,NM	EXOC1	exocyst complex component 1	1.066004865	1.32265245	14.84949	15.921944	19.093449	5.70940872	5.79991918	6.10612025	2015	2870	3278
64921	NM_022900	CASD1	CAS1 domain containing 1	-1.493163364	1.322637511	7.499432	5.025773	9.320627	4.87400371	4.31962786	5.26540453	1112	995	1809
7913	NM_001134709,NM_003472	DEK	DEK proto-oncogene	1.07012831	1.322626191	41.917412	44.532467	51.704536	6.87219162	6.99917034	7.27259845	4560	6520	7418
100128927	NM_001137601	ZBTB42	zinc finger and BTB domain cont	-1.498774201	1.322549617	2.04071	1.365458	2.538692	3.00504062	2.50832973	3.36435937	276	246	449
55762	NM_001172655,NM_018260	ZNF701	zinc finger protein 701	-3.099437607	1.32249355	0.98386	0.335122	1.292615	2.66071453	1.44132992	3.00740444	209	90	340
467	NM_001030287,NM_001040619	ATF3	activating transcription factor 3	3.59252006	1.322436993	7.969062	28.261217	9.97313	4.09573376	5.87868909	4.47827086	632	3034	1028
9632	NM_004922,NM_198597	SEC24C	SEC24 homolog C, COPII coat c	-1.485308069	1.322346641	25.797129	17.475001	32.025909	6.83082584	6.26618436	7.23084242	4430	3985	7205
100130027	NR_147501	LOC100130027	uncharacterized LOC100130027	1.047774144	1.322321897	0.89133	0.935837	1.109403	2.26923253	2.32288731	2.59766727	150	210	244
57801	NM_001142467,NM_021170	HES4	hes family bHLH transcription fac	1.066976993	1.321902958	17.598228	18.771112	21.601555	4.19336823	4.28195221	4.57670807	679	968	1104
1153	NM_001280,NM_001300815,NM	CIRBP	cold inducible RNA binding prote	1.000378276	1.321863529	81.969634	82.598886	93.048408	7.02079481	7.02133625	7.42066811	5059	6762	8225
4125	NM_000528,NM_001173498	MAN2B1	mannosidase alpha class 2B mer	-1.178886917	1.321683105	16.725504	14.201735	20.778563	5.74204461	5.50942012	6.13786412	2062	2337	3352
286676	NM_001199799,NM_001199800	ILDR1	immunoglobulin like domain cont	1.484584613	1.321558419	1.707202	2.559829	2.101698	2.52684435	3.01302298	2.86703245	187	371	304
4287	NM_001127696,NM_001127697	ATXN3	ataxin 3	1.177068914	1.321180439	4.985148	5.881059	6.212409	5.11361143	5.34254521	5.50530231	1320	2076	2145
647024	NM_001164446	C6orf132	chromosome 6 open reading fran	-1.524440623	1.321087096	4.424936	2.904496	5.494613	4.90989472	4.32649813	5.29994267	1141	1000	1854
10092	NM_001270439,NM_005717	ARPC5	actin related protein 2/3 complex	2.699349106	1.320996646	20.316718	54.934831	25.239406	5.39697596	6.80792961	5.79028261	1615	5825	2624
81542	NM_030755	TMX1	thioredoxin related transmembra	1.238983817	1.320302889	21.021292	26.072023	26.079239	6.40902161	6.71490949	6.80577781	3297	5458	5354
135	NM_000675,NM_001278497,NM	ADORA2A	adenosine A2a receptor	-10.7316709	1.320219442	2.490853	0.210606	2.862876	2.84076697	0.65251278	3.19199808	242	30	393
90933	NM_033549,NM_201627,NR_04	TRIM41	tripartite motif containing 41	1.087247529	1.320200126	20.945861	22.675373	26.117266	6.15531992	6.27437957	6.55117294	2759	4008	4480
100526820	NR_037593	CAHM	colon adenocarcinoma hypermet	-1.294358392	1.320086307	0.936106	0.727016	1.167095	0.86002952	0.70469985	1.05442063	32	33	52
285313	NM_001178145,NM_001178146	IGSF10	immunoglobulin superfamily mem	3.20221161	1.319714241	0.073225	0.234969	0.19623	0.68823103	1.5673195	0.85412573	24	103	39
1746	NM_004405	DLX2	distal-less homeobox 2	5.064991677	1.319714241	0.266667	1.383967	0.337742	0.68823103	2.03820547	0.85412573	24	163	39
3768	NM_021012	KCNJ12	potassium voltage-gated channel	1.308385209	1.319714241	0.119606	0.157376	0.148724	0.68823103	0.84852988	0.85412573	24	42	39
26805	NR_002749	SNORD45A	small nucleolar RNA, C/D box 45	1.153153536	1.319714241	7.351306	8.553183	9.235501	0.68823103	0.77006602	0.85412573	24	37	39
388695	NM_001136543,NM_212551	LYSMD1	LysM domain containing 1	1.051263802	1.31962294	2.364627	2.470798	2.885255	2.69516719	2.75641772	3.04046258	215	302	349
51538	NM_001282566,NM_001282567	ZCCHC17	zinc finger CCHC-type containing	1.299675715	1.31951355	13.061604	16.454755	16.004279	4.41969781	4.7822652	4.80333552	801	1391	1300
54439	NM_018989	RBM27	RNA binding motif protein 27	1.126541227	1.319484605	9.989913	11.26783	12.387864	6.01406127	6.18345852	6.40863599	2498	3760	4054
23395	NM_015340	LARS2	leucyl-tRNA synthetase 2, mitoch	1.36464704	1.319013065	3.556244	4.864145	4.409347	3.96064828	4.38426973	4.33758531	572	1043	928
161725	NM_001329907,NM_130901	OTUD7A	OTU deubiquitinase 7A	1.586500434	1.318972698	0.037782	0.06002	0.045429	0.49317359	0.72085408	0.62147005	16	34	26
30061	NM_014585	SLC40A1	solute carrier family 40 member	1.772365897	1.318972698	0.124454	0.221842	0.154902	0.49317359	0.7861039	0.62147005	16	38	26
401052	NM_001008737	LOC401052	uncharacterized LOC401052	1.028904044	1.318972698	0.215734	0.218377	0.269783	0.49317359	0.50527715	0.62147005	16	22	26
692090	NR_003046	SNORD59B	small nucleolar RNA, C/D box 59	-1.255378962	1.318972698	5.304782	4.308475	6.69442	0.49317359	0.40498891	0.62147005	16	17	26
10291	NM_005877	SF3A1	splicing factor 3a subunit 1	1.614862348	1.3189291	31.840281	51.476337	39.466187	7.32597221	8.01396512	7.72316955	6260	13507	10155
100506190	NR_038955	LINC00963	long intergenic non-protein codin	1.307210062	1.318873357	2.867397	3.758526	3.563787	2.79384765	3.13073752	3.14210594	233	407	378
56063	NM_019118,NR_133634,NR_13	TMEM234	transmembrane protein 234	2.111868579	1.31874389	5.082442	10.893372	6.539367	2.93987166	3.91531944	3.29299602	262	739	425
9400	NM_001003715,NM_001003716	RECQL5	RecQ like helicase 5	-1.092804771	1.318705397	26.55608	24.316769	32.547126	6.54588578	6.94192221	6.94192221	3629	4437	5886
5910	NM_001100426,NM_001100427	RAP1GDS1	Rap1 GTPase-GDP dissociation	1.409252862	1.318400404	9.202234	13.009985	11.631534	5.10935964	5.59213529	5.49804855	1316	2478	2134
57479	NM_020719	PRR12	proline rich 12	1.182214346	1.318335033	7.631536	9.030237	9.454984	5.71920749	5.95648354	6.11131559	2029	3205	3290
53981	NM_001322270,NM_001322271	CPSF2	cleavage and polyadenylation sp	1.202485522	1.31819789	20.122148	23.321803	24.90939	6.64688218	6.91048203	7.04197969	3895	6258	6315
27286	NM_014467	SRPX2	sushi repeat containing protein,	-1.140684586	1.318044004	8.570512	7.522151	10.619653	4.26965076	4.0902069	4.64993924	718	841	1164
8045	NM_001143993,NM_001143994	RASSF7	Ras association domain family m	-1.018486928	1.317902531	16.762761	16.489442	20.634618	4.84232994	4.81682937	5.22842621	1087	1426	1762
63027	NM_001286455,NM_001286456	SLC22A23	solute carrier family 22 member 2	-1.958123932	1.317858015	0.557929	0.2856	0.695385	2.12505137	1.44132992	2.44142817	132	90	214
55630	NM_001280557,NM_017767,NM	SLC39A4	solute carrier family 39 member 4	-1.933305176	1.317825921	57.597456	16.090362	47.836598	5.69458464	4.7692132	6.08602965	1994	1378	3232
8650	NM_001005743,NM_001005744	NUMB	NUMB, endocytic adaptor protein	1.080372807	1.317701515	33.125188	35.687432	41.151302	6.86338174	6.97399142	7.25842341	4532	6542	7345
9308	NM_001040280,NM_001251901	CD83	CD83 molecule	3.054049648	1.317591572	3.353211	10.302976	4.163313	3.18986937	4.69045162	3.54926401	319	1302	517
4355	NM_001278370,NM_001278371	MPP2	membrane palmitoylated protein	1.735254526	1.317549736	1.226628	2.481865	1.766594	2.78853894	3.49264009	3.13532137	232	538	376
55957	NM_019104	LIN37	lin-37 DREAM MuvB core comple	1.063121831	1.317002839	8.438504	8.974471	10.444923	3.38540081	3.46550967	3.74913666	371	527	601
64216	NM_022366	TFB2M	transcription factor B2, mitochon	1.454516661	1.316964081	9.582238	13.965225	11.868787	4.14433812	4.65922688	4.52184068	655	1273	1061
3912	NM_002291	LAMB1	laminin subunit beta 1	-1.799189655	1.316943821	26.806019	14.915757	33.177715	7.26301006	6.42312952	7.65794805	5991	4449	9704
100506299	NR_110153,NR_110154	ID2-AS1	ID2 antisense RNA 1 (head to he	1.305671359	1.316768567	0.256159	0.336652	0.301809	0.26755841	0.3412894	0.34394329	8	14	13
102725509	NR_1731	LINC01232	long intergenic non-protein codin	1.49580772	1.316432952	0.709608	1.072599	0.888741	1.18495016	1.5392062	1.42086173	50	100	81
7621	NM_021916	ZNF70	zinc finger protein 70	1.276897568	1.316403395	0.595919	0.762101	1.074093	1.99745948	2.03057861	2.03057861	92	157	149
1944	NM_004952	EFNA3	ephrin A3	-1.235598204	1.316384609	2.890529	2.34023	3.576584	2.58923814	2.33928445	2.92718897	197	213	319
54461	NM_018998	FBXW5	F-box and WD repeat domain co	1.008522018	1.316284243	45.22979	45.660648	55.947037	6.72538138	6.73750906	7.11858197	4115	5545	6662
403341	NM_001099270	ZBTB34	zinc finger and BTB domain cont	1.047665303	1.31601367	4.314464	4.526249	5.335979	4.83719698	4.9020831	5.22123584	1083	1516	1753
5193	NM_000286	PEX12	peroxisomal biogenesis factor 12	1.252139417	1.315929014	2.505461	3.134503	3.096752	2.91572639	3.20120812	3.26529764	257	430	416
157922	NM_015447	CAMSAP1	calmodulin regulated spectrin ass	1.093422743	1.315623756	6.757565	7.399944	8.358129	5.67888953	5.80533922	6.0678839	1972	2881	3191
149603	NM_001010858	RNF187	ring finger protein 187	1.169442044	1.315422752	18.092857	21.17996	22.367727	5.81239274	6.03449873	6.20176777	2167	3386	3506
3068	NM_001126050,NM_001126051	HDGF	heparin binding growth factor	1.280584116	1.31515122	129.836314	168.365309	162.667416	8.23251432	8.58826784	8.62659641	11769	20137	19037
553115	NM_012392,NR_033686,NR_03	PEF1	penta-EF-hand domain containin	1.183840805	1.315092723	28.841133	34.327592	35.801219	5.82281754	6.06233997	6.21187981	2183	3453	3531
2631	NM_001202469,NM_001483	NIPSNAP2	nipsnap homolog 2	-1.273276214	1.314948472	22.745527	17.878374	28.18643	5.50449776	5.16458753	5.89189395	1743	1829	2819
3269	NM_000861,NM_001098211,NM	HRH1	histamine receptor H1	1.558020191	1.314094695	1.747541	2.730617	2.272802	3.13236099	3.71207778	3.48667429	305	635	493
57089	NM_001349962,NM_001349963	ENTPD7	ectonucleoside triphosphate diph	-1.058175635	1.313843958	0.583979	0.550796	0.729816	2.59533164	2.52753672	2.9311116	198	250	320
5253	NM_005392	PHF2	PHD finger protein 2	-1.048774295	1.313820244	13.816594	13.187895	17.05669	6.18895235	6.12120968	6.57800259	2825	3599	4565
282974	NM_001318878,NM_001318879	STK32C	serine/threonine kinase 32C	-1.297319742	1.313687659	6.707955	4.876682	10.264224	3.11973375	2.79259185	3.47328584	302	311	488
6314	NM_000333,NM_001128149,NM	ATXN7	ataxin 7	1.204644336	1.313609095	3.549288	4.28174	4.40078	4.6997269	4.9588981	5.07998613	981	1579	1585
4724	NM_001318051,NM_002495,NR	NDUFS4	NADH:ubiquinone oxidoreductas	1.093218128	1.313577283	81.953702	89.390141	101.40609	5.80057409	5.92695261	6.16790064	2149	3139	3472
64398	NM_001256550,NM_022474	MPP5	membrane palmitoylated protein	-1.06024622	1.31433101	9.757821	9.282464	12.195708	5.75639134	5.67360076	6.14369932	2083	2625	3365
153241	NM_001166226,NM_153223	CEP120	centrosomal protein 120	-1.0777002	1.313420202	5.024382	4.664938	6.199663	4.58804613	4.48473082	4.96703057	905	1122	1462
22838	NM_014901	RNF44	ring finger protein 44	1.117548449	1.313400589	16.179646	18.101614	19.971039	6.05387759	6.21193524	6.44200835	2569	3836	4150
120	NM_001121,NM_001320591,NM	ADD3	adducin 3	1.302324582	1.313198327	8.75429	11.430795	10.80356	5.28267998	5.65516321	5.66692369	1489	2591	2405
84976	NM_001350630,NM_032890	DISP1	dispatched RND transporter fami	1.778330397	1.313119889	0.688679	1.224869	0.845409	2.10810423	2.78463118	2.41925694	130	309	210
79644	NM_024592	SRD5A3	steroid 5 alpha-reductase 3	-1.022186597	1.313101995	7.737798	7.582877	9.554026	4.98955224	4.9588981	5.37169332	1208	1579	1951
6289	NM_001127380,NM_030754	SAA2	serum amyloid A2	-2.428150272	1.312952371	14.007849	5.369894	20.932554	3.80372238	2.66397469	4.17177132	509	280	822
100129722	NR_038389	STPG3-AS1	STPG3 antisense RNA 1	1.725961209	1.312850322	0.992577	1.723679	1.222982	1.40904982	1.94842076	1.66651905	65	150	105
64866	NM_022842,NM_178181	CDCP1	CUB domain containing protein 1	1.530169495	1.312752051	27.374326	41.76772	39.186328	7.29682241	7.90734007	7.68723555	6134	12541	9904
25994	NM_001099668,NM_001099669	HIGD1A	HIG1 hypoxia inducible domain f	-1.131270145	1.312382974	6.651847	5.871032	8.293626	4.26965076	4.10146599	4.64397663	718	848	1159
5832	NM_001017423,NM_001323412	ALDH18A1	aldehyde dehydrogenase 18 fam	-1.091641684	1.312227464	18.921823	17.353724	23.28198	6.01803602	5.89356976	6.40476231	2505	3066	4043
91754	NM_001329237,NM_001329238	NEK9	NIMA related kinase 9	1.113885133	1.312142998	5.32163	5.947373	6.625953	5.07270439	5.22392723	5.45442456	1282	1908	2069
162	NM_001127,NM_001166019,NM	AP1B1	adaptor related protein complex	1.21954715	1.312109413	12.501805	15.266113	15.411511	5.68533091	5.96663422	6.07055367	1981	3228	3197
9469	NM_004273	CHST3	carbohydrate sulfotransferase 3	-2.070797446	1.311812079	2.60796	1.261755	3.217402	4.22711655	3.25693382	4.60030259	696	449	1123
7296	NM_001093771,NM_001261445	TXNRD1	thioredoxin reductase 1	-1.27283758	1.31147924	52.593151	42.658311	65.264315	7.72498887	7.37879475	8.11456803	8267	8678	13335
29028	NM_014109	ATAD2	ATPase family, AAA domain cont	1.01860769	1.311295868	68.185043	69.529671	84.02285	8.53287021	8.55939776	8.9229411	14502	19737	23389
9064	NM_001297609,NM_004672	MAP3K6	mitogen-activated protein kinase	1.065224712	1.311168985	5.689106	6.070556	7.006412	4.64790143	4.73554094	5.02507241	945	1345	1524
80829	NM_001197051,NM_053023	ZFP91	ZFP91 zinc finger protein	-1.044253709	1.31116007	17.115133	16.413467	21.094936	6.59118228	6.52937024	6.97848082	3746	4793	6041
374900	NM_001204835,NM_001204836	ZNF568	zinc finger protein 568	-3.436620808	1.310481983	0.649709	0.198265	0.797713	1.80577475	0.7861039	2.09493548	98	38	158
2672	NM_001127215,NM_001127216	GFI1	growth factor independent 1 trans	-1.457234826	1.310403016	5.477697	3.836527	6.846608	3.97240126	3.47048058	4.34053776	577	529	930
84085	NM_001348092,NM_032145	FBXO30	F-box protein 30	1.349548287	1.309939751	2.530274	3.424526	3.116073	3.56999691	3.97074877	3.93054845	427	770	688
9559	NM_001035260,NM_001318944	VPS26A	VPS26, retromer complex compc	-1.382414147	1.30990061	14.492143	10.618217	18.021435	5.9321763	5.47396912	6.31604903	2358	2279	3799

6483	NM_006927	ST3GAL2	ST3 beta-galactoside alpha-2,3-s	-1.162980817	1.309706751	2.24622	1.937011	2.767048	3.42699388	3.23080555	3.78425716	383	440	617
441531	NM_001029891	PGAM4	phosphoglycerate mutase family	1.233376685	1.309701018	2.512595	3.111846	3.099755	2.3579234	2.60642858	2.67922768	162	267	261
5986	NM_002917	RFNG	RFNG O-fucosylpeptide 3-beta-N	1.079108252	1.309565689	29.144571	31.491484	35.869972	5.72477705	5.83262085	6.10742084	2037	2937	3281
60526	NM_001282719,NM_001282720	LDAH	lipid droplet associated hydrolase	-3.585206961	1.309517561	4.470193	1.231131	5.455796	4.14433812	2.49862948	4.51401614	655	244	1055
6536	NM_001024845,NM_001261380	SLC6A9	solute carrier family 6 member 9	1.8558121	1.309374233	3.193803	5.963494	3.988481	3.47735365	4.30856691	3.83538509	398	987	641
23464	NM_001171690,NM_014291	GCAT	glycine C-acetyltransferase	-1.227292632	1.309027162	6.582641	5.444674	8.287212	3.46742135	3.20120812	3.82488183	395	430	636
6526	NM_006933	SLC5A3	solute carrier family 5 member 3	1.085293109	1.30892602	3.673914	3.992148	4.520983	5.41258913	5.52801678	5.79297945	1633	2368	2629
55013	NM_017918	MCUB	mitochondrial calcium uniporter d	-1.65779262	1.308859189	11.196218	6.755624	13.78809	3.89793981	3.23080555	4.26329596	546	440	879
81839	NM_001172411,NM_001172412	VANGL1	VANGL planar cell polarity protei	1.011013952	1.308698282	5.559015	5.625263	6.834055	5.58631849	5.60179513	5.96737086	1847	2495	2973
11064	NM_001330762,NM_007018	CNTRL	centriolin	1.063726239	1.308493634	9.417799	10.059086	11.266515	5.80320883	5.8907913	6.18502902	2153	3060	3465
7532	NM_012479	YWHAG	tyrosine 3-monooxygenase/tryptc	-1.187724406	1.308457268	58.56287	49.358612	72.006699	7.74585348	7.49891108	8.1321395	8388	9436	13499
284119	NM_012232	CAVIN1	caveolae associated protein 1	-1.081729224	1.308330846	34.221981	31.670561	42.073303	6.93179706	6.81942046	7.31674494	4754	5872	7650
125061	NM_001010982,NM_001145526	AFMID	arylformamidase	1.112731772	1.308306275	25.485465	27.523693	28.803184	5.19310692	5.34322286	5.57151066	1397	2077	2248
644096	NM_001042631	SDHAF1	succinate dehydrogenase comple	1.024386229	1.30805247	8.27269	8.485781	10.176025	3.33894587	3.37031674	3.6924898	358	490	576
22846	NM_014909	VASH1	vasohibin 1	2.441100236	1.307957653	0.576121	1.40922	0.707928	2.13345087	3.21312006	2.44142817	133	434	214
6391	NM_001035511,NM_001035512	SDHC	succinate dehydrogenase comple	1.153220769	1.307886194	20.312317	22.934125	24.530737	5.80386677	6.00610962	6.18502902	2154	3319	3465
9833	NM_001256685,NM_001256687	MELK	maternal embryonic leucine zipp	1.049784142	1.307883082	27.702957	29.176202	35.080841	6.0560884	6.12515529	6.43822336	2573	3609	4139
10023	NM_005479	FRAT1	FRAT1, WNT signaling pathway	-1.279617652	1.307202741	0.452972	0.351181	0.551831	1.11880553	0.93737891	1.34055586	46	48	74
91137	NM_001303249,NM_001303250	SLC25A46	solute carrier family 25 member 4	1.937297291	1.307020207	5.173269	10.033333	6.362039	4.65229204	5.57838681	5.02507241	948	2454	1524
90874	NM_001080470	ZNF697	zinc finger protein 697	2.011158374	1.306911333	1.218188	2.455809	1.496471	2.81488929	3.71626888	3.15222336	237	637	381
56181	NM_001099625,NM_001099626	MTFR1L	mitochondrial fission regulator 1 l	1.006482775	1.306824889	10.81123	10.952117	13.172671	4.44353723	4.45243375	4.81399624	815	1096	1310
55974	NM_001122837,NM_001122839	SLC50A1	solute carrier family 50 member	1.011097262	1.306821086	43.814403	44.962568	53.240864	5.80583878	5.82147825	6.18585007	2157	2914	3467
112950	NM_001001653,NM_052877,NM	MED8	mediator complex subunit 8	-1.034582268	1.306810176	18.737605	17.994263	23.039338	5.18908339	5.14139825	5.56584509	1393	1799	2239
10016	NM_001267556,NM_001267557	PDCD6	programmed cell death 6	-1.112807677	1.306448689	62.263809	55.761711	75.889741	6.11453445	5.96267072	6.49530656	2681	3219	4308
23507	NM_001134476,NM_015350	LRRC8B	leucine rich repeat containing 8 fa	-1.078011166	1.306383805	3.248154	3.019283	3.989756	4.68265777	4.57864948	5.05503907	969	1201	1557
400720	NM_001024596,NM_001144068	ZNF772	zinc finger protein 772	1.027508374	1.306354846	4.40976	4.502788	5.402994	4.55716073	4.59467379	4.92830565	885	1215	1422
192669	NM_024852,NM_177422	AGO3	argonaute 3, RISC catalytic comp	1.363044392	1.306071671	3.778151	5.148965	4.630347	3.84777676	4.26774474	4.20940382	526	958	845
51520	NM_001317964,NM_001317965	LARS	leucyl-tRNA synthetase	1.068034107	1.305957686	40.114364	42.22951	48.432383	7.56459082	7.65906432	7.94791756	7393	10550	11875
128866	NM_176812	CHMP4B	charged multivesicular body prot	-1.051221185	1.305840924	105.606331	100.575096	129.59549	7.41242078	7.34078705	7.79542081	6649	8451	10679
55717	NM_018117	WDR11	WD repeat domain 11	1.081124283	1.305767651	7.866346	8.517161	9.653193	5.21997612	5.32960894	5.59580755	1424	2057	2287
84996	NR_026845	URB1-AS1	URB1 antisense RNA 1 (head to	1.039470956	1.30563597	6.268973	6.517407	7.683458	2.59533164	2.64211237	2.92325564	198	275	318
51526	NM_016470	OSER1	oxidative stress responsive serin	1.028472429	1.305614668	22.758358	23.434389	27.928864	5.66374685	5.70346404	6.04181814	1951	2681	3133
2987	NM_000858,NM_001159390,NM	GUK1	guanylate kinase 1	1.081345548	1.305519152	77.93251	83.985928	94.025557	6.27830249	6.38973499	6.65858217	3008	4346	4830
26280	NM_017416	IL1RAPL2	interleukin 1 receptor accessory	2.347074086	1.305465878	0.244965	0.57637	0.296403	0.77668602	1.42093184	0.95003448	28	88	45
109729181	NR_146321	ZNF710-AS1	ZNF710 antisense RNA 1	-1.961784485	1.305465878	0.608573	0.312948	0.76239	0.77668602	0.44594451	0.95003448	28	19	45
51643	NM_001282606,NM_001282609	TMBIM4	transmembrane BAX inhibitor mo	-1.227821235	1.305285154	15.530768	12.782206	19.216828	4.85888706	4.57403823	5.23161046	1100	1197	1766
201163	NM_144606,NM_144997	FLCN	folliculin	1.170246194	1.305254046	4.385324	5.202301	6.133645	3.90776647	4.12056519	4.26950586	550	860	883
7088	NM_001303103,NM_001303104	TLE1	transducin like enhancer of split	-1.125092347	1.305149736	7.407813	6.605893	9.117978	4.94848917	4.78426276	5.32177032	1173	1393	1883
79792	NM_001166237,NM_024736	GSDMD	gasdermin D	1.014820437	1.304924034	35.687972	36.258183	43.809017	5.96018767	5.98107461	6.33874398	2405	3261	3860
23210	NM_001081461,NM_015167	JMJD6	arginine demethylase and lysine	1.073757187	1.304845609	16.13924	17.719482	20.476712	5.05180751	5.15149273	5.42551859	1263	1812	2027
84790	NM_001303114,NM_001303115	TUBA1C	tubulin alpha 1c	1.065186472	1.30474189	531.404114	566.582206	651.515494	9.73400195	9.82500456	10.11737177	33394	47527	53589
1267	NM_001330216,NM_033133	CNP	2',3'-cyclic nucleotide 3' phospho	1.21565132	1.304670835	14.568528	17.73396	17.863764	6.23065365	6.50898038	6.60985905	2909	4725	4668
286205	NM_001144877,NM_173690	SCAI	suppressor of cancer cell invasio	1.372425066	1.304268827	1.520405	2.096118	1.870408	4.25432848	4.69045162	4.61987668	710	1302	1139
100506548	NR_037665	LOC100506548	uncharacterized LOC100506548	1.402907831	1.304268742	3.811074	5.358386	4.673092	3.94641713	4.40778273	4.30772367	566	1061	908
7916	NM_004638,NM_080686	PRRC2A	proline rich coiled-coil 2A	1.160306594	1.304252083	29.990267	34.851957	36.796589	7.66885172	7.88238064	8.0504244	7950	12325	12753
79628	NM_024577	SH3TC2	SH3 domain and tetratricopeptid	-1.008058057	1.304065157	2.452362	2.435771	3.005173	6.01064561	5.99924669	6.38834962	2492	3303	3997
388564	NM_001190764	TMEM238	transmembrane protein 238	-1.443422875	1.303936254	10.038493	6.963849	12.331308	2.90595399	2.45916281	3.24338068	255	236	409
26297	NM_012139,NR_104040,NR_10	SERGEF	secretion regulating guanine nucl	-1.066451297	1.303767153	7.595271	7.046988	9.323043	3.60665736	3.5216664	3.96156336	439	550	704
83744	NM_001007101,NM_001261458	ZNF484	zinc finger protein 484	1.145696806	1.303671834	3.023142	3.445554	3.698679	3.65121051	3.83279899	4.0068703	454	695	728
55297	NM_001330367,NM_001352078	CCDC91	coiled-coil domain containing 91	-1.018352973	1.303436622	8.288524	8.072378	10.046842	4.44184742	4.41682418	4.80867573	814	1068	1305
9479	NM_005456	MAPK8IP1	mitogen-activated protein kinase	1.560355205	1.303099194	0.468746	0.738209	0.577903	1.30878272	1.72538257	1.5489128	58	121	93
9611	NM_001190438,NM_001190440	NCOR1	nuclear receptor corepressor 1	-1.027315748	1.302945914	6.090829	5.833129	7.335801	5.8267075	5.78852012	6.20257934	2189	2847	3508
5214	NM_001242339,NM_001323067	PFKP	phosphofructokinase, platelet	1.600467354	1.302878061	115.4168	183.705201	140.48874	8.18481865	8.86145565	8.56537099	11385	24346	18244
94025	NM_024690	MUC16	mucin 16, cell surface associated	-1.299426355	1.302765945	6.068361	4.675014	7.429351	8.02174811	7.64552993	8.40203901	10164	10451	16286
1725	NM_001206974,NM_001930,NM	DHPS	deoxyhypusine synthase	-1.201189732	1.302634783	39.635111	33.309085	48.33326	5.71361634	5.45465779	6.08866608	2021	2248	3238
55502	NM_001142853,NM_001282434	HES6	hes family bHLH transcription fac	1.117990901	1.302432099	1.489773	1.660902	1.827818	1.63881618	1.75012126	1.90855849	83	124	133
9361	NM_001276479,NM_001276480	LONP1	lon peptidase 1, mitochondrial	1.350498765	1.302078065	37.49202	55.358555	45.947558	6.88219462	7.31251802	7.26017856	4592	8286	7354
122525	NM_001017923	C14orf28	chromosome 14 open reading fra	-1.262028994	1.302019573	2.304329	1.824082	2.815348	2.91084846	2.6243808	3.24653213	256	271	410
10184	NM_005779	LHFPL2	lipoma HMGIC fusion partner-like	-1.245100908	1.301847434	12.909794	10.3809	15.795277	6.00950526	5.69870608	6.38487885	2490	2672	3987
29979	NM_013438,NM_053067	UBQLN1	ubiquilin 1	1.21779662	1.301701043	34.685703	42.275045	42.405492	7.1441248	7.42657771	7.52216379	5514	8972	8828
60312	NM_001134647,NM_198595	AFAP1	actin filament associated protein	-1.127506393	1.301685107	18.862131	16.743297	23.017376	7.11975951	6.94794234	7.49774071	5421	6424	8679
2992	NM_001184720,NM_001184721	GYG1	glycogenin 1	1.384600996	1.301332548	18.397489	25.292211	22.310829	5.16265334	5.53313305	5.62092291	1367	2529	2188
10713	NM_001256725,NM_001256726	USP39	ubiquitin specific peptidase 39	1.33237373	1.300686185	31.134927	41.446682	37.955898	6.10922116	6.51801145	6.4836686	2671	4755	4273
100131827	NM_001128223,NM_001290208	ZNF717	zinc finger protein 717	1.730266228	1.300670767	1.361109	4.21357	2.574223	2.34351507	3.009612	2.65571422	160	370	256
94121	NM_001129896,NM_001174068	SYTL4	synaptotagmin like 4	1.104217207	1.300627153	5.270158	5.7987	6.349722	4.36902637	4.50546383	4.73205178	772	1139	1235
100289341	NR_027447	MAN1B1-AS1	MAN1B1 antisense RNA 1 (head	1.604555789	1.300269382	0.757558	1.227797	0.93095	1.26358189	1.70021226	1.4969322	55	118	88
7454	NM_000377	WAS	Wiskott-Aldrich syndrome	1.279988657	1.300133706	0.638228	0.81451	0.781665	1.10178443	1.30327576	1.31676564	45	77	72
5912	NM_002886	RAP2B	RAP2B, member of RAS oncoge	-1.038189651	1.300117994	7.422059	7.157173	9.066846	5.94952407	5.89634288	6.32278311	2387	3072	3817
54602	NM_001161407,NM_019080	NDFIP2	Nedd4 family interacting protein 2	-1.088775326	1.30005794	10.212805	9.391726	12.482041	5.56396574	5.44395692	5.93550587	1818	2231	2907
100130992	NR_038921	LOC100130992	uncharacterized LOC100130992	1.943405604	1.3000405	0.157725	0.31462	0.19714	1.01352966	1.57657016	1.21747621	40	104	64
56034	NM_016205,NR_036641	PDGFC	platelet derived growth factor C	2.027614388	1.299807098	2.897799	5.863506	3.526543	3.24904328	4.19001636	3.59201087	334	905	534
4015	NM_001178102,NM_001317073	LOX	lysyl oxidase	5.149396115	1.299761229	0.145828	0.792168	0.180339	0.81895953	2.30630165	0.99569924	30	207	48
90407	NM_080652	TMEM41A	transmembrane protein 41A	1.104015636	1.299672325	26.387403	29.170086	32.228466	6.20248825	6.343407	6.57612501	2852	4207	4559
4752	NM_001146099,NM_002498,NM	NEK3	NIMA related kinase 3	-1.362676115	1.299590672	1.676851	1.218933	2.030159	2.28439817	1.94127715	2.59272293	152	149	243
23085	NM_001301248,NM_178039,NM	ERC1	ELKS/RAB6-interacting/CAST fa	1.31505542	1.299371504	1.268201	1.655668	1.551628	3.64828273	4.01565009	3.99941726	453	796	724
100507127	NR_038291	LINC00707	long intergenic non-protein codin	-2.296190882	1.299204913	0.991513	0.430272	1.217075	1.9928118	1.19932051	2.28470378	117	68	187
100289388	NR_102280,NR_102281	KCTD21-AS1	KCTD21 antisense RNA 1	1.978117628	1.299204243	0.48053	0.949571	0.584962	0.59399636	1.00745609	0.73351501	20	53	32
10046	NM_001177465,NM_001177466	MAND1	mastermind like domain containir	1.121998887	1.299204243	0.111906	0.126042	0.138709	0.59399636	0.65251278	0.73352601	20	30	32
57003	NM_020198	CCDC47	coiled-coil domain containing 47	1.160013853	1.299002516	55.095947	63.987274	67.260513	7.52683135	7.73898681	7.90243892	7201	11161	11505
10672	NM_001282425,NM_006572	GNA13	G protein subunit alpha 13	-1.284034773	1.298897089	11.958645	9.321033	14.596297	6.21886148	5.86365332	6.59169733	2885	3002	4609
9857	NM_014810	CEP350	centrosomal protein 350	1.054695904	1.29887587	4.601975	4.860511	5.618722	5.93818188	6.01379159	6.31003667	2368	3337	3783
55145	NM_018105,NM_199003	THAP1	THAP domain containing 1	1.110610535	1.298791201	4.895595	5.562678	6.040537	3.50026652	3.63890054	3.84788889	405	601	647
57190	NM_020451,NM_206926	SELENON	selenoprotein N	1.165440603	1.298783283	13.432081	15.640469	16.344578	5.82476383	6.0420314	6.19607391	2186	3404	3492
100996255	NR_102756	LINC02256	long intergenic non-protein codin	-1.990027621	1.298649323	0.316851	0.156333	0.380879	0.46682716	0.25173066	0.58209675	15	10	24
5623	NM_004158	PSPN	persephin	-1.00207692	1.298649323	0.560543	0.566144	0.677006	0.46682716	0.46599441	0.58209675	15	20	24
301	NM_000700	ANXA1	annexin A1	-1.263585711	1.298646516	800.78656	634.443237	977.254211	10.22710457	9.88989742	10.60383732	47017	49716	75098
293	NM_001636_chrX,NM_001636_	SLC25A6	solute carrier family 25 member 6	1.085483131	1.298642442	51.460133	55.927589	62.812683	6.23602635	6.35285968	6.60863495	2920	4235	4664
64802	NM_001297778,NM_001297779	NMNAT1	nicotinamide nucleotide adenylyl	1.078127568	1.298593536	3.065033	3.403687	4.274816	3.38187998	3.48037129	3.72674411	370	533	591
29800	NM_001323627,NM_013304	ZDHHC1	zinc finger DHHC-type containing	-1.483435229	1.298410897	2.745253	1.851233	3.354426	2.67229041	2.20853486	2.99621456	211	190	337
57062	NM_020414	DDX24	DEAD-box helicase 24	1.319787016	1.298406016	46.167473	61.000164	56.33493	7.06097877	7.45867069	7.43524216	5203	9175	8309
339344	NM_001012643	MYPOP	Myb related transcription factor, p	1.091895653	1.298329629	3.71071	4.057792	4.53301	2.96832247	3.07960182	3.30211189	268	391	428
3675	NM_002204	ITGA3	integrin subunit alpha 3	1.393844037	1.298328288	241.309937	336.722595	294.414825	10.20939813	10.68812386	10.58577413	46443	86493	74163
203197	NM_001330760,NM_153045	TMEM268	transmembrane protein 268	1.029640402	1.29827025	2.999857	3.137991	3.739976	3.80897562	3.84815806	4.16179054	511	703	816
149420	NM_001243532,NM_001243533	PDIK1L	PDLIM1 interacting kinase 1 like	-1.381549336	1.298170343	6.108329	4.424022	7.441332	4.68694402	4.24181329	5.05053848	972	940	1552
5707	NM_001191037,NM_002807,NR	PSMD1	proteasome 26S subunit, non-AT	1.305348992	1.298046398	29.444987	38.484283	35.931153	6.58889365	6.96982871	6.96180011	3740	6523	5971
1435	NM_000757,NM_172210,NM_17	CSF1	colony stimulating factor 1	1.153573351	1.298001667	1.208483	1.488773	1.566302	2.48807034	2.65962865	2.80425801	181	279	289
27090	NM_175039,NM_175040	ST6GALNAC4	ST6 N-acetylgalactosaminide alp	1.625340746	1.297928264	9.593741	15.677907	11.683047	4.06312959	4.73036982	4.41944907	617	1340	985
80851	NM_001322462,NM_001322463	SH3BP5L	SH3 binding domain protein 5 like	-1.022047476	1.297830244	2.917762	2.927844	3.694529	3.43040645	3.40188358	3.77555686	384	502	613
192670	NM_017629,NR_146062	AGO4	argonaute 4, RISC catalytic comp	-1.416419684	1.297722232	4.276672	2.803832	5.403333	4.7808325	4.30021519	5.14475817	1040	981	1660

55668	NM_001322026,NM_001322027	GPATCH2L	G-patch domain containing 2 like	1.156087284	1.297658639	21.292425	23.459467	23.055863	6.40599143	6.61294922	6.77800579	3290	5082	5251
102724571	NR_132738	LINC01759	long intergenic non-protein codin	2.454270809	1.297545635	0.260871	0.653051	0.319855	0.3273552	0.70406985	0.41288872	10	33	16
149647	NM_153606	FAM71A	family with sequence similarity 7	-1.890555353	1.297545635	0.109407	0.050433	0.137141	0.3273552	0.18071335	0.41288872	10	7	16
105377590	NR_133944	LOC105377590	uncharacterized LOC105377590	-6.301587867	1.297545635	0.546765	0.082015	0.652088	0.3273552	0.05398282	0.41288872	10	2	16
284613	NM_001134400,NM_001134402	CYB561D1	cytochrome b561 family member	1.067473794	1.297251889	2.601004	2.777232	3.152233	3.78518394	3.87277297	4.13653226	502	716	801
4301	NM_001040000,NM_001207008	AFDN	afadin, adherens junction formati	-1.126983551	1.297241732	17.979476	15.951531	21.952923	7.08228661	6.91116773	7.45529946	5281	6261	8426
55858	NM_018475,NR_073070	TMEM165	transmembrane protein 165	1.293311729	1.297238493	36.155066	46.820506	44.052441	6.14133197	6.50777196	6.5120984	2732	4721	4359
4500	NR_001447	MT1L	metallothionein 1L, pseudogene	-1.12034122	1.297113755	3.169986	2.850085	3.870734	1.21691895	1.12560759	1.4430085	52	62	83
64083	NM_022130	GOLPH3	golgi phosphoprotein 3	-1.244650794	1.297100179	19.417593	15.618214	23.671646	5.68960924	5.38067227	6.05850059	1987	2133	3170
63977	NM_001040424,NM_001282934	PRDM15	PR/SET domain 15	1.047800108	1.296956929	3.133134	2.849219	3.364487	4.09142887	4.15493692	4.44710663	630	882	1005
51755	NM_015083,NM_016507	CDK12	cyclin dependent kinase 12	1.204673202	1.296909193	8.953352	10.802377	10.916335	6.19297625	6.45827295	6.56354499	2833	4560	4519
23396	NM_001195733,NM_001300849	PIP5K1C	phosphatidylinositol-4-phosphate	1.316749959	1.296796987	7.971902	10.57968	9.815686	5.31257643	5.70082267	5.67922052	1521	2676	2426
150084	NM_001080444	IGSF5	immunoglobulin superfamily mem	-3.124697541	1.296713891	0.590887	0.189097	0.719197	1.13562816	0.46599441	1.35230545	47	20	75
104355426	NR_126418	LENG8-AS1	LENG8 antisense RNA 1	1.064200585	1.296624416	6.942594	7.403152	8.452947	2.81488929	2.89227137	3.14210594	337	378	378
55054	NM_001190266,NM_001190267	ATG16L1	autophagy related 16 like 1	1.911120288	1.296483931	33.045473	63.301424	40.390442	6.77487823	7.70301942	7.14647525	4260	10878	6793
92521	NM_001033553,NM_001033554	SPECC1	sperm antigen with calponin hom	1.242977996	1.296474927	6.082533	7.579002	7.656085	4.67979317	4.98257876	5.04149497	967	1606	1542
8892	NM_014239	EIF2B2	eukaryotic translation initiation fa	1.320741435	1.296074386	23.086679	30.524906	28.110725	5.15545404	5.54696516	5.52035242	1360	2400	2168
8797	NM_003844	TNFRSF10A	TNF receptor superfamily membe	1.168877264	1.295983878	5.551371	6.504855	6.767605	3.38891307	3.59405489	3.73125051	372	581	593
284352	NM_019121	PPP1R37	protein phosphatase 1 regulatory	1.065977093	1.295977234	13.570691	14.487615	16.530682	5.32271189	5.41266157	5.68851969	1532	2182	2442
2790	NM_001017998,NM_001198664	GNG10	G protein subunit gamma 10	1.322667053	1.295877632	31.975292	42.348287	38.972561	5.32454708	5.71921153	5.69025663	1534	2711	2445
92840	NM_001329556,NM_138393	REEP6	receptor accessory protein 6	1.48444898	1.295841306	7.245089	10.783669	8.833946	3.5668994	4.09665142	3.91280502	426	845	679
10569	NM_006425	SLU7	SLU7 homolog, splicing factor	1.147470431	1.295807106	17.939278	20.6134	21.848057	5.98186283	6.17739112	6.35050828	2442	3744	3892
9410	NM_004814	SNRNP40	small nuclear ribonucleoprotein U	1.399645371	1.295607792	21.942163	30.758448	26.7297	5.15854386	5.6320572	5.52295387	1363	2549	2172
11274	NM_017414	USP18	ubiquitin specific peptidase 18	1.097496984	1.295166243	9.939101	10.927744	12.10502	4.37257867	4.50061221	4.72980159	774	1135	1233
100132062	NR_028325_chr1,NR_028325_c	LOC100132062	uncharacterized LOC100132062	1.725739658	1.295080773	1.542101	2.664961	1.876482	2.92058788	3.62559261	3.24967672	258	595	411
79567	NM_001193522,NM_001193523	RIPOR1	RHO family interacting cell polari	1.492356998	1.294805979	14.815389	22.065861	17.993976	5.91766008	6.48737891	6.28496741	2334	4654	3717
7881	NM_001308217,NM_001308222	KCNAB1	potassium voltage-gated channel	9.400172152	1.29428298	0.023219	0.27511	0.035393	0.17294258	1.15059938	0.22116494	5	64	8
146	NM_000678	ADRA1D	adrenoceptor alpha 1D	4.857113602	1.29428298	0.039252	0.237025	0.056788	0.17294258	0.70406985	0.22116494	5	33	8
9935	NM_005461	MAFB	MAF bZIP transcription factor B	5.882965532	1.29428298	0.030842	0.228166	0.047128	0.17294258	0.81765451	0.22116494	5	40	8
54661	NR_001280	PCDHB17P	protocadherin beta 17 pseudoge	1.486457258	1.29428298	0.046574	0.074558	0.064942	0.17294258	0.25173066	0.22116494	5	10	8
164153	NM_203412	UBL4B	ubiquitin like 4B	-1.110794961	1.29428298	0.086226	0.077862	0.094752	0.17294258	0.15624221	0.22116494	5	6	8
189	NM_000030	AGXT	alanine-glyoxylate aminotransfera	6.469166635	1.29428298	0.071158	0.538626	0.100066	0.17294258	0.8787583	0.22116494	5	44	8
692234	NR_004054,NR_004054_dup1	SNORD103A	small nucleolar RNA, C/D box 10	1.04680643	1.29428298	1.212837	1.518775	1.735771	0.17294258	0.18071335	0.22116494	5	7	8
6887	NM_005421	TAL2	TAL bHLH transcription factor 2	1.04680643	1.29428298	0.161489	0.194674	0.241271	0.17294258	0.18071335	0.22116494	5	7	8
79856	NM_024798,NR_073534	SNX22	sorting nexin 22	2.072658361	1.29428298	0.034689	0.072043	0.043624	0.17294258	0.3412894	0.22116494	5	14	8
7732	NM_007148	RNF112	ring finger protein 112	1.926108085	1.29428298	0.032418	0.072869	0.047453	0.17294258	0.31941552	0.22116494	5	13	8
3177	NM_001300868,NM_001300869	SLC29A2	solute carrier family 29 member 2	1.247581169	1.29418779	11.962401	15.302928	14.857118	4.94610703	5.25594871	5.30750681	1171	1952	1864
5096	NM_000532,NM_001178014	PCCB	propionyl-CoA carboxylase beta	1.165444653	1.29395522	26.435249	30.850613	32.114752	5.57788058	5.79447869	5.94280996	1836	2859	2922
148266	NM_001330482,NM_152484	ZNF569	zinc finger protein 569	-1.981812221	1.293908067	0.6278	0.312091	0.750774	1.80577475	1.1751656	2.08088	98	66	156
27013	NM_001321389,NM_001321390	CNPPD1	cyclin Pas1/PHO80 domain conta	1.123983442	1.293863842	17.478127	19.769365	21.130983	5.19109656	5.35536651	5.55381089	1395	2095	2220
29775	NM_014550	CARD10	caspase recruitment domain fam	1.122301064	1.293679096	14.571163	16.373964	17.713896	5.81565859	5.97933194	6.18132852	2172	3257	3456
10232	NM_001177355,NM_005823,NM	MSLN	mesothelin	-1.965579101	1.29361874	24.816776	12.648238	30.284795	5.72824713	4.77926366	6.09348707	2042	1388	3249
55709	NM_001318716,NM_001318717	KBTBD4	kelch repeat and BTB domain co	-1.153185925	1.293586673	8.755013	7.568047	10.594184	4.42496298	4.23452662	4.7861128	807	935	1284
9604	NM_001201365,NM_004290,NM	RNF14	ring finger protein 14	-1.168362386	1.293432103	7.388297	6.325352	8.988931	4.98607799	4.7692132	5.34694775	1205	1378	1917
3927	NM_001271608,NM_006148,NR	LASP1	LIM and SH3 protein 1	1.431978304	1.293395873	132.103523	189.134734	159.933843	9.04855632	9.56574608	9.41910384	20750	39701	33009
29959	NM_001321357,NM_001321358	NRBP1	nuclear receptor binding protein	1.28245341	1.293071263	28.550793	36.655413	34.693854	5.59288804	6.34679007	6.35854095	2461	4217	3914
2677	NM_000821,NM_001142269,NM	GGCX	gamma-glutamyl carboxylase	1.218332226	1.292824254	13.285154	15.535361	12.454409	5.6120916	5.89171805	5.97594053	1881	3062	2991
23061	NM_015043,NM_198868	TBC1D9B	TBC1 domain family member 9B	1.388542329	1.292766605	21.071763	29.363344	25.651661	6.73127311	7.20105003	7.09866535	4132	7666	6570
54947	NM_017839	LPCAT2	lysophosphatidylcholine acyltrans	1.243818141	1.29246351	18.679115	23.262613	22.691772	6.62954348	6.94146779	6.99637556	3848	6395	6117
11198	NM_007192	SUPT16H	SPT16 homolog, facilitates chron	1.111949108	1.292429663	51.169209	56.95969	62.14621	7.87262127	8.02509384	8.24131753	9162	13612	14564
8303	NM_003498	SNN	stannin	-1.051519822	1.292228243	3.46365	3.29445	4.202192	3.59757921	3.53121349	3.94031242	436	554	693
55200	NM_001144856,NM_001144857	PLEKHG6	pleckstrin homology and RhoGEF	-1.312831676	1.292213947	10.954208	8.391905	13.305631	5.02835327	4.64939741	5.38819549	1242	1264	1974
84144	NM_032184	SYDE2	synapse defective Rho GTPase H	-1.626097205	1.292024029	1.239688	0.762625	1.507739	2.74535098	2.17238371	3.06566078	224	184	356
642	NM_000386	BLMH	bleomycin hydrolase	1.184365513	1.291849747	16.000488	18.968826	19.426378	5.34095955	5.57953754	5.702357	1552	2456	2466
115749	NM_001099676,NM_001170633	C12orf56	chromosome 12 open reading fra	-2.078184309	1.291703918	0.484744	0.230658	0.597393	0.99521185	0.56226574	1.19154816	39	25	62
79595	NM_001145928,NM_001330299	SAP130	Sin3A associated protein 130	1.204244651	1.291701891	9.635598	11.752757	11.778599	5.31811369	5.58011256	5.67922052	1527	2457	2426
155066	NM_001100592,NM_001289990	ATP6V0E2	ATPase H+ transporting V0 subu	-4.168613503	1.29165105	8.650668	2.072362	10.485772	4.58345526	2.70251092	4.93905904	902	289	1433
4600	NM_002463	MX2	MX dynamin like GTPase 2	-1.062904053	1.291610348	1.882201	1.778751	2.294157	2.68948191	2.61543261	3.00740444	214	269	340
27333	NM_001308155,NM_014498	GOLIM4	golgi integral membrane protein 4	-1.270904581	1.291599605	5.417953	4.297267	6.579094	4.5757712	4.2461677	4.93124635	897	943	1425
25827	NM_001171713,NM_001349316	FBXL2	F-box and leucine rich repeat pro	-1.056828224	1.291554308	6.083314	5.931626	7.091142	4.167017 28	4.09182073	4.51793371	666	842	1058
5048	NM_000430	PAFAH1B1	platelet activating factor acetylhy	1.211265426	1.291529057	11.845276	14.362999	14.376687	6.03866537	6.31155856	6.4229981	2542	4114	4038
51763	NM_001135642,NM_016532,NM	INPP5K	inositol polyphosphate-5-phosph	-1.102896492	1.291496064	2.712377	2.781716	3.201339	3.30959645	3.18315375	3.64551432	350	424	556
257397	NM_152787	TAB3	TGF-beta activated kinase 1 and	1.133669431	1.291479564	2.611263	2.965977	3.171036	4.19135823	4.36304264	4.542501	678	1027	1077
54498	NM_001270691,NM_175839,NM	SMOX	spermine oxidase	3.146937369	1.291435364	29.87633	93.595496	36.348362	6.03438714	7.67328158	6.39840103	2534	10655	4025
53616	NM_001324417,NM_001324418	ADAM22	ADAM metallopeptidase domain	-1.63962664	1.291337742	1.947287	1.169328	2.655341	4.23884171	3.57341041	4.59041505	702	572	1115
201158	NM_001135036,NM_145301	TVP23C	trans-golgi network vesicle protei	1.217238242	1.291220114	3.05444	4.328702	4.026176	3.27204958	3.52883263	3.6068006	340	553	540
80854	NM_001306199,NM_001306200	SETD7	SET domain containing lysine me	1.051432391	1.291178949	8.182009	8.532591	9.3455	5.68533091	5.75631865	6.04770155	1981	2783	3146
7920	NM_001177515,NM_021160,NR	ABHD16A	abhydrolase domain containing 1	1.03265718	1.291163407	10.850649	11.22937	13.15252	4.48515183	4.52948015	4.83926507	840	1159	1334
2686	NM_001351702,NM_178026	GGT7	gamma-glutamyltransferase 7	1.319325553	1.291100841	8.102306	10.702428	9.838587	4.44859483	4.83235848	4.8022651	818	1442	1299
23152	NM_001304815,NM_015125	CIC	capicua transcriptional repressor	1.134868235	1.291097359	6.820554	8.484429	9.37142	5.62480753	5.80386305	5.98681712	1898	2878	3014
22924	NM_001303050,NM_012326	MAPRE3	microtubule associated protein R	1.038057386	1.291018851	13.043275	13.548689	15.816407	4.82687594	4.8789024	5.18391472	1075	1491	1707
642402	NR_111962	GOLGA6L17P	golgin A6 family-like 17, pseudog	-1.33555789	1.290932415	1.199101	0.896857	1.453426	1.66222564	1.38978355	1.92438744	85	85	135
10811	NM_001256067,NM_001256068	NOXA1	NADPH oxidase activator 1	-1.530317322	1.290835261	12.580291	8.164251	15.148255	4.35472906	3.77771682	4.70710452	764	667	1213
3371	NM_002160	TNC	tenascin C	2.007671355	1.290831352	6.505696	13.077718	7.892868	5.79396609	6.78641474	6.15641295	2139	5738	3396
4214	NM_005921	MAP3K1	mitogen-activated protein kinase	1.073751629	1.290517221	2.850041	3.065393	3.459137	4.45027676	4.54840945	4.80333552	819	1175	1300
114826	NM_052928	SMYD4	SET and MYND domain containin	1.246884512	1.290378856	3.284339	4.10402	3.987297	3.89547266	4.19452969	4.24134834	545	908	865
84079	NM_032139	ANKRD27	ankyrin repeat domain 27	-1.025080821	1.290358969	17.811506	17.394114	21.59638	6.28962054	6.25434409	6.65324904	3032	3952	4812
151477	NR_024079	LINC00471	long intergenic non-protein codin	1.144210548	1.290358718	0.685541	0.782054	0.829127	0.89996265	0.99371033	1.08290869	34	52	54
8470	NM_001145670,NM_001145671	SORBS2	sorbin and SH3 domain containin	-1.166128284	1.29030407	3.746641	3.069684	4.310265	4.31281697	4.10306728	4.66414974	741	849	1176
25839	NM_001195139,NM_015386	COG4	component of oligomeric golgi co	1.145214724	1.290265023	26.488795	30.345175	32.07516	6.20248825	6.39562695	6.56575443	2852	4364	4526
27252	NM_014458	KLHL20	kelch like family member 20	-1.051905123	1.289844358	4.582994	4.357388	5.556384	4.04097679	3.97250183	4.38840055	607	771	963
79178	NM_001126339,NM_001256062	THTPA	thiamine triphosphatase	1.952226076	1.289480433	2.313385	4.198922	2.883779	2.44147625	3.27124763	2.74755257	174	454	276
9715	NM_001031690,NM_001278297	FAM131B	family with sequence similarity 13	-1.259829354	1.289407568	0.10084	0.080566	0.122712	0.5190475	0.42561204	0.64076093	17	18	27
1262	NM_001037329	CNGA4	cyclic nucleotide gated channel a	1.843761865	1.289407568	0.221858	0.421055	0.278536	0.5190475	0.84852988	0.64076093	17	42	27
100287015	NR_040040	LOC100287015	uncharacterized LOC100287015	1.264352261	1.289387265	1.258325	1.591692	1.524384	1.98354948	2.24380223	2.26619062	116	196	184
3842	NM_002270,NM_153188	TNPO1	transportin 1	1.166289571	1.289380223	20.979903	24.508853	25.436134	7.45723148	7.6779897	7.82207081	6860	10690	10879
10362	NM_006339	HMG20B	high mobility group 20B	1.220322367	1.289175103	41.554501	50.781822	50.357513	6.02482449	6.30809176	6.38630822	2517	4104	3991
9319	NM_001166260,NM_004237	TRIP13	thyroid hormone receptor interact	1.092474403	1.289128508	15.58981	17.132148	18.866999	5.21008282	5.33438844	5.56773609	1414	2064	2242
79894	NM_024836	ZNF672	zinc finger protein 672	-1.07762539	1.28912529	7.510816	6.980438	9.100429	4.5618359	4.45870114	4.91450256	888	1101	1408
79627	NM_001324266,NM_024576	OGFRL1	opioid growth factor receptor like	1.129430439	1.288996342	1.620674	1.833896	1.964702	3.90776647	4.07233457	4.25236388	550	830	872
5576	NM_001321982,NM_001321983	PRKAR2A	protein kinase cAMP-dependent	1.070533534	1.288994629	2.551704	2.742557	3.522176	4.09573376	4.18850877	4.44299165	632	904	1002
56477	NM_001301873,NM_001301874	CCL28	C-C motif chemokine ligand 28	-1.888453008	1.288884398	3.398145	1.887687	4.179183	3.22566415	2.43901707	3.5569002	328	232	520
255104	NM_001349112,NM_001349113	TMCO4	transmembrane and coiled-coil d	-1.204475148	1.288870434	11.644463	9.766737	15.502456	5.31072594	5.04971445	5.66886681	1519	1685	2408
29922	NM_013330,NM_197972,NR_10	NME7	NME/NM23 family member 7	1.666090444	1.288814661	10.552308	17.653455	12.911498	4.16086733	4.86481307	4.5087761	663	1476	1051
441172	NR_033896	FLJ46906	uncharacterized LOC441172	1.250571651	1.288803888	1.806431	2.275409	2.20274	1.47662927	1.69172362	1.72191206	70	117	111
321	NM_001130414,NM_005503	APBA2	amyloid beta precursor protein bi	1.13654643	1.2886861	2.727901	3.104022	3.305391	3.40287721	3.57109823	3.73798383	376	571	596
254170	NM_203301	FBXO33	F-box protein 33	1.148244125	1.288492364	3.412014	3.924817	4.133683	4.17923909	4.36837876	4.52703356	672	1031	1065
8727	NM_001286974,NM_003798	CTNNAL1	catenin alpha like 1	-1.095391485	1.288402637	83.664039	76.398421	101.135765	7.71085112	7.5800595	8.07489679	8186	9985	12972
59349	NM_001303051,NM_001303109	KLHL12	kelch like family member 12	-1.12846917	1.288395502	19.514711	17.054256	23.146002	5.98708629	5.81563038	6.34757619	2451	2902	3884

3454	NM_000629	IFNAR1	interferon alpha and beta recepto	-1.142036113	1.28834041	5.908214	5.180229	7.156778	5.17287613	4.98692172	5.52943707	1377	1611	2182
201627	NM_152678	DENND6A	DENN domain containing 6A	-1.142360711	1.28806793	5.428907	4.75839	6.573624	4.67979317	4.49574422	5.03239442	967	1131	1532
10269	NM_005857	ZMPSTE24	zinc metallopeptidase STE24	1.300782996	1.287959167	23.624821	30.768896	28.596542	6.20597692	6.58084354	6.5667003	2859	4969	4529
26505	NM_017623,NM_199078	CNNM3	cyclin and CBS domain divalent r	-1.02441247	1.287841906	6.732538	6.570652	8.156997	5.05069925	5.01696186	5.40592109	1262	1646	1999
283337	NM_001004304	ZNF740	zinc finger protein 740	1.270022779	1.287740255	6.630636	8.428534	8.023095	4.83204569	5.16612031	5.18555761	1079	1831	1709
653082	NM_001351303,NR_147095,NR_	ZDHHC11B	zinc finger DHHC-type containing	-1.357432417	1.287614673	0.690388	0.511542	0.8555	2.0648444	1.74192207	2.35062252	125	123	198
10797	NM_006636,NR_027405	MTHFD2	methylenetetrahydrofolate dehyd	-1.007711486	1.28744306	68.281998	67.558464	82.38808	7.20117528	7.19016803	7.56349959	5738	7608	9086
26578	NM_012383	OSTF1	osteoclast stimulating factor 1	-1.201855575	1.287357418	26.398205	21.987875	31.92638	5.11890861	4.86197862	5.47405072	1325	1473	2098
84872	NM_001303124,NM_001303125	ZC3H10	zinc finger CCCH-type containing	1.665310045	1.286947621	0.95551	1.685226	1.184106	1.65056839	2.19057252	1.90855849	84	187	133
55652	NM_017842	SLC48A1	solute carrier family 48 member 1	-1.767613479	1.286693538	9.599998	5.439614	11.611736	4.87650783	4.09182073	5.22922293	1114	842	1763
4074	NM_001207024,NM_002355	M6PR	mannose-6-phosphate receptor,	1.02304907	1.286080504	52.354009	53.196904	62.360825	7.00743316	7.04005655	7.3679248	5012	6851	7928
388650	NM_001006605,NM_001252269	FAM69A	family with sequence similarity 69	1.296668845	1.28607068	6.218695	8.042759	7.492435	4.06312959	4.4181112	4.40682806	617	1069	976
25793	NM_001033024,NM_001257990	FBXO7	F-box protein 7	1.478180184	1.285921998	54.276326	81.015239	66.182167	6.83662465	7.39636887	7.19662649	4448	8785	7035
9278	NM_001145338,NM_005453	ZBTB22	zinc finger and BTB domain conta	1.034288458	1.28586341	5.652151	5.849949	6.827522	3.97005831	4.01565009	4.31224251	576	796	911
8795	NM_003842,NM_147187,NR_02	TNFRSF10B	TNF receptor superfamily membe	1.401104295	1.28584352	30.186356	42.349979	36.57078	6.93360184	7.41679284	7.29369847	4760	8911	7528
84250	NM_032290	SLF1	SMC5-SMC6 complex localizatio	1.170670643	1.285761151	6.353908	7.452259	7.682532	4.62127341	4.8400608	4.9708465	927	1450	1466
10498	NM_199141	CARM1	coactivator associated arginine m	-1.052759311	1.285722655	13.911987	13.22904	16.816071	5.36523338	5.29289816	5.720036	1579	2004	2497
7586	NM_001287054,NM_001287055	ZKSCAN1	zinc finger with KRAB and SCAN	-1.182507104	1.285647247	7.503227	6.356848	9.094615	6.15377238	5.91560689	6.51177102	2756	3114	4358
114787	NM_052899	GPRIN1	G protein regulated inducer of ne	1.459150573	1.285633073	2.596453	3.792823	3.136765	3.54187697	4.04760082	3.87664976	418	815	661
9188	NM_001256910,NM_004728	DDX21	DExD-box helicase 21	-1.260995613	1.285393273	32.708401	25.964971	39.502212	7.23912847	6.90704865	7.59922255	5892	6243	9315
53918	NM_015946	PELO	pelota homolog (Drosophila)	1.099438886	1.285327808	12.565601	13.827267	15.176122	5.19912125	5.33234202	5.55253827	1403	2061	2218
8467	NM_003601	SMARCA5	SWI/SNF related, matrix associat	1.264935993	1.285143648	14.260848	18.059645	17.22257	6.79520403	7.13155254	7.15425681	4321	7303	6830
10564	NM_006420	ARFGEF2	ADP ribosylation factor guanine n	-1.107900221	1.285094783	10.957438	9.902635	13.23421	6.60105791	6.45482824	6.95964139	3772	4549	5962
23450	NM_012426	SF3B3	splicing factor 3b subunit 3	1.354288359	1.284902637	22.490099	30.494497	27.157953	7.74053668	8.17631061	8.10070345	8357	15122	13207
55855	NR_027141_chr10,NR_027141_	FAM45BP	family with sequence similarity 45	-1.287648853	1.284859286	5.398629	4.197479	6.527977	3.72253824	3.38881456	4.05978318	479	497	757
1977	NM_001130678,NM_001130679	EIF4E	eukaryotic translation initiation fa	-1.025925875	1.284833525	5.202386	5.10166	6.287035	5.89189983	5.85560138	6.24810046	2292	2985	3622
114881	NM_145798	OSBPL7	oxysterol binding protein like 7	1.072806575	1.28442376	20.090153	21.578661	24.252014	6.18036414	6.28040713	6.53708616	2808	4025	4436
2564	NM_004961	GABRE	gamma-aminobutyric acid type A	1.467511489	1.284303363	41.696545	61.257195	50.32114	7.01085643	7.56066981	7.36937106	5024	9851	7936
163050	NM_144976	ZNF564	zinc finger protein 564	1.022309419	1.28426929	2.443581	2.504416	2.949959	3.00540462	3.03332122	3.32614297	276	377	436
58495	NM_001303461,NM_001303462	OVOL2	ovo like zinc finger 2	-1.212858223	1.284153914	2.3053	1.897834	2.78524	2.17473011	1.96260273	2.46326383	138	152	218
255812	NR_003264	SDHAP1	succinate dehydrogenase comple	1.059320034	1.28408086	25.934052	27.504463	31.301767	5.99805187	6.07992926	6.35379978	2470	3496	3901
10146	NM_005754,NM_198395	G3BP1	G3BP stress granule assembly fa	1.508835509	1.283921087	53.783198	81.212091	64.923786	7.21953718	7.80971346	7.57795764	5812	11717	9178
333926	NM_005167	PPM1J	protein phosphatase, Mg2+/Mn2+	-1.175536684	1.283889187	1.329115	1.135906	1.615443	1.69664266	1.5392062	1.95553366	88	100	139
11188	NM_001276293,NM_001276294	NISCH	nischarin	1.320402655	1.283768752	15.772488	20.332249	18.895689	6.08939006	6.48523156	6.44509779	2634	4647	4159
5966	NM_001291746,NM_002908	REL	REL proto-oncogene, NF-kB sub	1.470460828	1.283671594	1.140467	1.700593	1.395175	3.27963753	3.78770843	3.6068006	342	672	540
10892	NM_006785,NM_173844	MALT1	MALT1 paracaspase	-1.294105875	1.283435662	3.221853	2.481128	3.869665	4.06312959	3.71626888	4.40400834	617	637	974
6385	NM_002999	SDC4	syndecan 4	1.294602728	1.283433843	112.400116	145.683746	135.567932	8.16421429	8.53558195	8.52311531	11223	19413	17716
50488	NM_001024937,NM_001321236	MINK1	misshapen like kinase 1	1.103277177	1.283415419	17.868415	19.734028	21.485998	6.45288807	6.5931451	6.80924532	3400	5012	5367
10227	NM_001120,NM_001146069	MFSD10	major facilitator superfamily doma	1.460842647	1.283405642	66.728397	97.803341	82.175093	6.92697326	7.47003919	7.28433747	4738	9248	7479
113178	NM_001329539,NM_001329540	SCAMP4	secretory carrier membrane prote	1.20554771	1.283364395	36.198708	43.738672	43.609113	6.57931844	6.84643957	6.93592381	3715	5984	5864
374882	NM_001145416,NM_001321112	TMEM205	transmembrane protein 205	-1.191164949	1.283301577	77.313319	63.72989	96.593381	6.05110931	5.80287809	6.40617212	2564	2876	4047
642280	NR_027481	ZNF876P	zinc finger protein 876, pseudoge	-1.435786104	1.283207555	0.568518	0.397013	0.688112	1.29387258	1.00745609	1.51794971	57	53	90
23509	NM_015352,NM_172236	POFUT1	protein O-fucosyltransferase 1	1.343338194	1.283060973	15.553941	21.078762	18.987851	6.31476611	6.73596179	6.67036346	3086	5539	4870
57111	NM_020387,NR_133653	RAB25	RAB25, member RAS oncogene	-1.103219583	1.282808943	70.36432	63.722245	82.818558	6.22575196	6.08601495	6.58081438	2899	3511	4574
11276	NM_001163544,NM_001163545	SYNRG	synergin gamma	1.123724951	1.282732709	5.564326	6.325403	6.771513	5.49475122	5.6595227	5.84692246	1731	2599	2731
10121	NM_005736	ACTR1A	ARP1 actin related protein 1 hom	-1.371354205	1.282699124	25.504253	18.61689	30.740362	6.1768129	5.72857817	6.53160649	2801	2729	4419
3416	NM_001165946,NM_001322793	IDE	insulin degrading enzyme	-1.750217273	1.282628096	6.716882	3.870409	8.193785	5.32454708	4.54370036	5.67571782	1534	1171	2420
5976	NM_001297549,NM_002911	UPF1	UPF1, RNA helicase and ATPase	1.110845725	1.282564294	35.347236	39.331547	42.589647	7.53220137	7.68308403	7.88951931	7228	10728	11402
253959	NM_001283043,NM_001283044	RALGAPA1	Ral GTPase activating protein ca	1.09904284	1.282540951	3.637846	3.484642	4.034452	4.87149524	5.00330679	5.2196331	1110	1630	1751
493812	NR_026790	HCG11	HLA complex group 11 (non-prot	-1.025557604	1.282484829	1.959659	1.915124	2.363657	3.5668994	3.53359042	3.8988521	426	555	672
23185	NM_001351277,NM_015155	LARP4B	La ribonucleoprotein domain fam	1.134115195	1.282398414	13.66186	15.499394	16.468094	6.84400047	7.02408587	7.20008483	4471	6775	7052
6453	NM_001001132,NM_001331008	ITSN1	intersectin 1	-2.141287725	1.282361477	4.987876	2.331609	6.038679	4.76605286	3.72669368	5.1131673	1029	642	1623
221477	NM_001286635,NM_001286636	C6orf89	chromosome 6 open reading fran	1.043056348	1.282136894	6.590786	6.847232	7.913843	5.47092159	5.53039898	5.82231668	1702	2372	2684
54464	NM_001282857,NM_001282859	XRN1	5'-3' exoribonuclease 1	1.043820794	1.282136621	4.989054	5.701697	6.460635	5.49230426	5.55283585	5.84380456	1728	2410	2725
254013	NM_001135863,NM_001135864	ETFBKMT	electron transfer flavoprotein beta	-1.464854606	1.28211081	0.540034	0.367581	0.655097	1.10178443	0.83317479	1.30472178	45	41	71
5797	NM_001105244,NM_002845	PTPRM	protein tyrosine phosphatase, rec	1.171843529	1.282079496	3.764016	4.416736	4.53605	4.42825718	4.64720396	4.77196635	806	1262	1271
1121	NM_000390,NM_001145414,NM	CHM	CHM, Rab escort protein 1	1.870933829	1.281964886	3.660111	6.138397	3.759388	4.05209571	4.91490342	4.39125092	612	1530	965
23366	NM_001100425,NM_001199706	KIAA0895	KIAA0895	-1.285176017	1.281795241	3.521313	2.655424	4.3195	3.9817352	3.64550876	4.3197426	581	604	916
51362	NM_015891	CDC40	cell division cycle 40	1.003611771	1.281678525	3.863787	3.878435	4.650632	3.95355025	3.95841731	4.29103243	569	763	897
5906	NM_001010935,NM_001291896	RAP1A	RAP1A, member of RAS oncoge	-1.004234675	1.281527453	8.492012	8.37359	10.258445	5.41861558	5.41266157	5.76907242	1640	2182	2585
9439	NM_001270521,NM_001270522	MED23	mediator complex subunit 23	1.044970157	1.281435253	7.012414	7.33596	8.302444	5.1687957	5.23053515	5.51774626	1373	1917	2164
79888	NM_024830	LPCAT1	lysophosphatidylcholine acyltrans	1.771401776	1.281301356	13.373949	23.722101	16.107115	5.71850978	6.53145293	6.07010905	2028	4800	3196
26145	NM_015649	IRF2BP1	interferon regulatory factor 2 bind	1.114364774	1.281297713	7.380727	8.238745	8.888913	4.28103662	4.42964302	4.62230487	724	1078	1141
80222	NM_001271895,NM_001271896	TARS2	threonyl-tRNA synthetase 2, mito	1.038928173	1.281275607	10.987914	11.487559	13.236469	4.87525631	4.92851423	5.22203654	1113	1545	1754
2332	NM_001185075,NM_001185076	FMR1	fragile X mental retardation 1	1.196574033	1.281125241	13.852798	16.75522	16.65354	5.89560815	6.15054206	6.24770733	2298	3674	3621
126119	NM_001270639,NM_001270640	JOSD2	Josephin domain containing 2	-1.265621707	1.281030629	15.490291	12.872929	19.859078	3.96771155	3.65208684	4.30470323	575	607	906
128239	NM_178229	IQGAP3	IQ motif containing GTPase activ	-1.595243603	1.280894927	41.75079	26.199368	50.254711	7.94851577	7.27820177	8.30439025	9659	8090	15217
991	NM_001255	CDC20	cell division cycle 20	1.185231155	1.280819619	147.089279	174.52655	177.033981	7.91129651	8.15553063	8.26705304	9412	14905	14827
103	NM_001025107,NM_001111,NM	ADAR	adenosine deaminase, RNA spec	1.003445553	1.280646111	25.975437	26.114723	31.523441	7.3981135	7.40304655	7.75311516	6583	8826	10369
80216	NM_001102406,NM_001253884	ALPK1	alpha kinase 1	-1.482729747	1.280645347	11.570534	7.827847	13.959277	5.93097218	5.37405578	6.28266664	2356	2123	3711
284186	NM_178520	TMEM105	transmembrane protein 105	1.036562148	1.280397994	1.575363	1.63199	1.891742	2.60744196	2.65089709	2.9113909	200	277	315
6478	NM_005067	SIAH2	siah E3 ubiquitin protein ligase 2	1.205360112	1.28035351	10.607961	12.803202	12.76637	4.8112546	5.07196145	5.15653336	1063	1712	1674
10211	NM_001318875,NM_005803	FLOT1	flotillin 1	-1.406468867	1.280239623	46.333278	33.139127	55.918316	6.52568718	6.03994294	6.87867922	3578	3399	5634
55356	NM_018420	SLC22A15	solute carrier family 22 member 1	1.131380743	1.280147819	0.698887	0.794236	0.845283	2.0823043	2.2203867	2.36229074	127	192	200
10054	NM_005499	UBA2	ubiquitin like modifier activating e	-1.008538356	1.27985788	55.668652	55.258381	66.951271	7.18434629	7.1721648	7.53816554	5671	7513	8927
116236	NM_198147	ABHD15	abhydrolase domain containing 1	-1.244421742	1.279746525	10.684413	8.596415	12.855988	5.16675115	4.86103256	5.51382817	1371	1472	2158
101928483	NR_121577	NALT1	NOTCH1 associated lncRNA in T	-1.800902257	1.279222646	2.559389	1.434239	3.076972	1.24819466	0.81765451	1.46482043	54	40	85
23456	NM_012089	ABCB10	ATP binding cassette subfamily B	-1.085845407	1.278823943	7.204285	6.642811	8.661375	4.8112546	4.69682839	5.15485706	1063	1308	1672
440918	NR_147695	FLJ46875	uncharacterized LOC440918	-1.07801766	1.278612676	1.552548	1.442817	1.869296	3.23349937	3.1370039	3.55435929	330	409	519
246184	NM_139286	CDC26	cell division cycle 26	1.228434354	1.277969171	19.004961	23.402933	22.848198	4.09788139	4.37899217	4.43334413	633	1039	995
123606	NM_001142275,NM_144599	NIPA1	non imprinted in Prader-Willi/Ang	-1.316146786	1.277963426	9.983711	7.593538	11.992114	6.01860294	5.62928167	6.36761502	2506	2544	3939
92283	NM_001297623,NM_001322821	ZNF461	zinc finger protein 461	-1.028892204	1.277890843	2.331242	2.26763	2.809744	3.32800968	3.29105133	3.6502813	355	461	558
23770	NM_001308373,NM_012181	FKBP8	FK506 binding protein 8	1.007879549	1.277886075	84.699135	85.454525	101.706982	7.21830385	7.22955154	7.56996076	5807	7820	9127
149986	NM_144703	LSM14B	LSM family member 14B	1.138489959	1.277823679	18.574833	21.16745	22.301369	5.58248919	5.7659537	5.92963585	1842	2802	2895
4609	NM_002467	MYC	MYC proto-oncogene, bHLH tran	2.234033063	1.277756399	45.645168	102.107101	54.816284	6.73023514	7.88238064	7.08089953	4129	12325	6489
51161	NM_001171740,NM_001171741	C3orf18	chromosome 3 open reading fran	1.641775872	1.277247751	0.741073	1.22208	0.889066	1.56621863	2.07783221	1.80975447	77	169	121
5162	NM_000925,NM_001173468,NM	PDHB	pyruvate dehydrogenase (lipoam	-1.053360525	1.277182917	18.152676	16.874843	21.367647	4.80469545	4.7324405	5.14644623	1058	1342	1662
79669	NM_001171747,NM_024616	C3orf52	chromosome 3 open reading fran	1.380303317	1.277054703	7.296158	10.160967	8.884373	4.10430518	4.54605682	4.43886489	636	1173	999
117178	NM_001166293,NM_001166294	SSX2IP	SSX family member 2 interacting	1.356689236	1.276914947	3.008485	4.087042	3.595104	4.18126603	4.60035389	4.51662904	673	1220	1057
3190	NM_001318186,NM_001318187	HNRNPK	heterogeneous nuclear ribonucle	1.291431253	1.276840805	218.760873	283.332705	264.851343	9.33977462	9.70824431	9.69187184	25400	43828	39889
267004	NM_170753	PGBD3	piggyBac transposable element c	2.092276743	1.276764895	0.400341	0.840449	0.478432	0.91952222	1.52015496	1.09694451	35	98	55
55069	NM_017994	TMEM248	transmembrane protein 248	-1.170093021	1.276746182	20.010742	17.11841	24.008327	6.3850398	6.16134171	6.73377575	3242	3702	5091
221496	NM_001143944,NM_001348709	LEMD2	LEM domain containing 2	-1.093483628	1.276649137	20.387045	18.041136	22.769866	5.69954294	5.57319717	6.04589382	2001	2445	3142
3992	NM_013402	FADS1	fatty acid desaturase 1	-1.932439784	1.276588438	11.811898	6.117329	14.172114	5.69600304	4.7712289	6.04227156	1996	1380	3134
8565	NM_003680	YARS	tyrosyl-tRNA synthetase	1.073507004	1.276574567	50.929344	54.741257	61.106136	7.28155132	7.38324958	7.6318245	6069	8705	9529
117289	NM_001278733,NM_054114,NM	TAGAP	T-cell activation RhoGTPase acti	1.441721052	1.276544148	0.187168	0.268389	0.225786	0.77668602	1.02107213	0.93448595	28	54	44
79009	NM_024045	DDX50	DExD-box helicase 50	-1.315816197	1.27652086	14.040846	10.685697	16.851164	5.15854386	4.77525187	5.50200967	1363	1384	2140
388574	NR_029406	RPL23AP87	ribosomal protein L23a pseudoge	-1.333849241	1.276177017	0.235746	0.176097	0.291393	0.61813834	0.48576948	0.75138414	21	21	33
677811	NR_002964	SNORA28	small nucleolar RNA, H/ACA box	1.458890677	1.276177017	4.325265	6.250461	5.085809	0.61813834	0.83317479	0.75138414	21	41	33

125170	NM_001144900,NM_139162,NM	MIEF2	mitochondrial elongation factor 2	-1.045280776	1.276079975	6.146516	5.896781	7.404436	4.04987877	3.9899163	4.38268287	611	781	959
22859	NM_001008701,NM_014921	ADGRL1	adhesion G protein-coupled rece	1.596026325	1.275970511	3.740107	5.978342	4.494938	4.88896361	5.54519929	5.23001921	1124	2397	1764
10856	NM_001321190,NM_001321191	RUVBL2	RuvB like AAA ATPase 2	1.064623237	1.275700718	111.669116	119.099573	134.037813	7.78002669	7.86997226	8.12990141	8590	12219	13478
283635	NM_001079519,NM_001289022	FAM177A1	family with sequence similarity 17	-1.363960536	1.275690452	13.763713	10.051307	16.5279	5.39697596	4.96154856	5.74085701	1615	1582	2534
23365	NM_001198665,NM_001301084	ARHGEF12	Rho guanine nucleotide exchang	-3.403376185	1.27569004	8.893327	2.614473	10.647348	6.42407778	4.69682839	6.77173056	3332	1308	5228
122622	NM_001320424,NM_152328,NM	ADSSL1	adenylosuccinate synthase like 1	-1.11428319	1.275376363	6.223736	5.541173	7.453084	3.55444243	3.41225421	3.87868233	422	506	662
23253	NM_001083625,NM_001204056	ANKRD12	ankyrin repeat domain 12	-1.026813783	1.275374484	4.530449	4.412014	5.4092	5.66447154	5.6270574	6.00925532	1952	2540	3062
9493	NM_001281301,NM_004856,NM	KIF23	kinesin family member 23	-1.132723459	1.275170866	42.002983	37.799627	49.996429	7.19792526	7.0194296	7.54649995	5725	6753	8979
163081	NM_001300979,NM_001322911	ZNF567	zinc finger protein 567	-1.428248213	1.275112944	7.314978	5.094358	8.759897	4.40068652	3.91531944	4.73654166	790	739	1239
9581	NM_001042385,NM_001042386	PREPL	prolyl endopeptidase-like	1.252029501	1.274956953	9.406788	12.075988	11.435424	5.86756061	6.18686025	6.21268572	2253	3769	3533
255783	NM_178511,NR_037675	INAFM1	InaF motif containing 1	-1.126198837	1.274941589	14.037971	12.431327	17.038537	3.60967076	3.45300696	3.93446197	440	522	690
146691	NM_001033551,NM_001082968	TOM1L2	target of myb1 like 2 membrane t	-1.188810678	1.274878182	7.036371	5.599502	7.972466	5.27130713	5.02880493	5.61361286	1477	1660	2316
64748	NM_001170635,NM_022737	PLPPR2	phospholipid phosphatase relatec	1.077927946	1.27474953	5.913974	6.391069	7.089268	4.04987877	4.15184584	4.3812499	611	880	958
10616	NM_001323956,NM_001323958	RBCK1	RANBP2-type and C3HC4-type z	1.239943247	1.27459122	107.267321	132.313489	135.130931	7.76692685	8.07592212	8.11553789	8512	14102	13344
23196	NM_001286722,NM_001286723	FAM120A	family with sequence similarity 12	1.040399021	1.274473364	45.031454	46.685589	54.004857	7.79962102	7.85650719	8.14813103	8708	12105	13650
284361	NM_175063,NM_206538	EMC10	ER membrane protein complex s	1.521017381	1.274459188	37.674252	57.395715	45.10914	6.30550396	6.90429605	6.65146694	3066	6231	4806
55300	NM_018323,NR_144633	PI4K2B	phosphatidylinositol 4-kinase type	-1.131783109	1.274340387	8.718867	7.701561	10.450714	4.98259535	4.80998247	5.32251714	1202	1419	1884
53834	NM_001004356,NM_001004358	FGFRL1	fibroblast growth factor receptor-l	-1.155831754	1.274255828	35.141426	29.339524	40.52859	6.73679637	6.5299656	7.08354535	4148	4795	6501
163859	NM_152608	SDE2	SDE2 telomere maintenance hon	1.039341646	1.274135661	7.382497	7.68319	8.840351	4.89885139	4.95269469	5.23795796	1132	1572	1774
9337	NM_001301073,NM_001301074	CNOT8	CCR4-NOT transcription complex	-1.098259921	1.273915178	28.417371	26.218812	34.813541	6.16354552	6.03029685	6.50849312	2775	3376	4348
79654	NM_024602	HECTD3	HECT domain E3 ubiquitin protei	-1.01461009	1.273722701	7.297503	7.205371	8.741059	4.74428126	4.72413992	5.08175167	1013	1334	1587
54344	NM_018973,NM_153741	DPM3	dolichyl-phosphate mannosyltran	-1.159125822	1.27347208	28.623069	23.237084	33.444318	3.64534899	3.45049336	3.96921401	452	521	708
10419	NM_001039619,NM_001282953	PRMT5	protein arginine methyltransferas	1.294763602	1.273303144	36.719628	48.110494	43.913401	6.50762697	6.87671136	6.85280535	3533	6112	5533
391123	NM_001013661	VSIG8	V-set and immunoglobulin domai	2.437170513	1.273274696	0.093322	0.241452	0.120506	0.23670415	0.52452456	0.29607837	7	23	11
659	NM_001204	BMPR2	bone morphogenetic protein rece	1.184735452	1.273268424	3.459624	4.105219	4.14076	5.38119197	5.62036393	5.72230146	1597	2528	2501
388272	NM_001001436,NM_001348660	C16orf87	chromosome 16 open reading fra	1.166605181	1.273185271	2.053049	2.39484	2.441004	3.91509278	4.12372395	4.24292715	553	862	866
158584	NM_174912	FAAH2	fatty acid amide hydrolase 2	-1.081553451	1.273156019	1.766425	1.634353	2.108382	2.15835987	2.07130288	2.43591723	136	168	213
10474	NM_001278270,NM_006354,NM	TADA3	transcriptional adaptor 3	1.384690684	1.272973447	12.932944	18.011074	15.571819	5.03509348	5.49241457	5.37385651	1248	2309	1954
6814	NM_007269	STXBP3	syntaxin binding protein 3	-1.09118925	1.272840997	20.027269	18.373411	23.960373	5.65429253	5.53099392	5.99620882	1938	2373	3034
9114	NM_004691	ATP6V0D1	ATPase H+ transporting V0 subu	1.709450891	1.272729068	22.26671	38.116585	26.642687	5.21800288	5.97540322	5.55762202	1422	3248	2226
26258	NM_001311255,NM_001311256	BLOC1S6	biogenesis of lysosomal organell	-1.055395994	1.272652762	9.720292	9.135195	11.534079	5.26463133	5.1889187	5.60443065	1470	1861	2301
10279	NM_005865	PRSS16	protease, serine 16	-1.293024861	1.27241889	3.293041	2.551625	3.937073	3.34979977	3.01982084	3.66684277	361	373	565
2997	NM_001161587,NM_002103,NR	GYS1	glycogen synthase 1	1.367116203	1.272362114	14.942039	20.31862	17.81423	5.73240025	6.17625063	6.0741057	2048	3741	3205
54432	NM_018982,NR_036639,NR_03	YIPF1	Yip1 domain family member 1	1.064427336	1.272217583	7.724535	8.846296	9.289196	3.88307318	3.96723624	4.20940382	540	768	845
1184	NM_000084,NM_001127898,NM	CLCN5	chloride voltage-gated channel 5	-1.469949534	1.272095811	0.879108	0.609378	1.085481	3.27204958	2.78463118	3.58704707	340	309	532
23313	NM_001009880,NM_015264	KIAA0930	KIAA0930	-1.077245932	1.271943856	3.331028	3.123037	4.017729	4.4162598	4.31410799	4.74881726	799	991	1250
2802	NM_001172557,NM_005895	GOLGA3	golgin A3	-1.360114474	1.271884278	17.501178	13.803409	22.349217	7.26683287	6.82646518	7.6118021	6007	5901	9397
6787	NM_001193533,NM_001348412	NEK4	NIMA related kinase 4	1.112107419	1.27175941	2.390901	2.625728	2.638166	3.7744826	3.91714113	4.09866803	498	740	779
56288	NM_001184785,NM_001184786	PARD3	par-3 family cell polarity regulator	1.026787762	1.271754849	8.795614	8.899456	9.259899	5.3670153	5.4042435	5.70636801	1581	2169	2473
9131	NM_001130846,NM_001130847	AIFM1	apoptosis inducing factor mitocho	1.312253271	1.271582477	22.488099	29.383571	26.72794	5.65429253	6.03952488	5.99480395	1938	3398	3031
3993	NM_001015002,NM_001031803	LLGL2	LLGL2, scribble cell polarity comp	-2.104871469	1.271523642	87.829801	42.132575	107.40319	8.00296212	6.93541353	8.34832239	10032	6368	15689
1054	NM_001252296,NM_001806	CEBPG	CCAAT/enhancer binding protein	-1.109823077	1.271462429	19.60729	17.667873	23.387682	6.18643171	6.03826998	6.52869704	2820	3395	4410
10536	NM_014262	P3H3	prolyl 3-hydroxylase 3	-11.07580502	1.270893876	1.387725	0.117492	1.659064	2.20692365	0.40498891	2.48477392	142	17	222
126731	NM_145257	CCSAP	centriole, cilia and spindle associ	-1.132740736	1.270638493	5.687214	5.027262	6.792991	4.87650783	4.7031771	5.21159259	1114	1314	1741
113829	NM_080670	SLC35A4	solute carrier family 35 member A	1.181621753	1.270633531	19.523861	23.096369	23.311892	5.8267075	6.06357411	6.16684678	2189	3456	3421
9223	NM_001033057,NM_004742,NM	MAGI1	membrane associated guanylate	-1.095664163	1.27053105	4.641002	4.230891	5.504514	5.0306035	4.90300262	5.36663322	1244	1517	1944
5875	NM_004581,NM_182836	RABGGTA	Rab geranylgeranyltransferase a	-1.00694763	1.270522924	11.587334	11.354491	13.691137	4.63020414	4.62061907	4.96320452	933	1238	1458
64859	NM_001031716,NM_001254736	NABP1	nucleic acid binding protein 1	1.133880329	1.270517847	25.367243	29.927651	30.495454	6.6108664	6.79039565	6.95314577	3798	5754	5935
55684	NM_001173988,NM_001173989	RABL6	RAB, member RAS oncogene fa	1.158005833	1.270456899	50.234071	59.613344	60.013727	7.2165754	7.42689741	7.55986232	5800	8974	9063
7626	NM_001185063,NM_007131,NR	ZNF75D	zinc finger protein 75D	1.069752868	1.270309687	2.048147	2.216741	2.506844	3.37481244	3.46301778	3.69017701	368	526	575
51633	NM_001286745,NM_016023	OTUD6B	OTU domain containing 6B	-1.053834647	1.269792075	5.732077	5.449621	6.847478	4.28857758	4.21688696	4.61744439	728	923	1137
10384	NM_001242803,NM_006994,NM	BTN3A3	butyrophilin subfamily 3 member	1.001887943	1.26972444	4.407804	4.402853	5.270546	3.78518394	3.78770843	4.10736121	502	672	784
140576	NM_001317007,NM_001317008	S100A16	S100 calcium binding protein A16	1.013457175	1.269644572	131.362905	127.142863	158.745114	7.31839448	7.33755991	7.6609037	6227	8432	9724
1540	NM_001042355,NM_001042412	CYLD	CYLD lysine 63 deubiquitinase	1.82964965	1.269549878	3.415458	6.257624	4.075787	4.88648104	5.73582152	5.22043469	1122	2743	1752
8019	NM_007371	BRD3	bromodomain containing 3	1.141384614	1.269253841	8.619933	9.850215	10.283173	5.59394673	5.78103713	5.93159518	1857	2832	2899
57189	NM_001080392	KIAA1147	KIAA1147	-1.294368359	1.269147071	6.670647	5.160901	7.95853	5.59698677	5.23346232	5.93452919	1861	1921	2905
57182	NM_001167882,NM_020337	ANKRD50	ankyrin repeat domain 50	1.607579002	1.268996475	6.992667	11.721812	8.340949	5.92856092	6.60449501	6.26723366	2352	5052	3671
26523	NM_001317122,NM_001317123	AGO1	argonaute 1, RISC catalytic comp	1.271508991	1.268976551	3.017236	3.762168	3.524551	4.49659199	4.82945947	4.82668598	847	1439	1322
64167	NM_001130140,NM_001329229	ERAP2	endoplasmic reticulum aminopep	-1.000044121	1.268866986	17.591041	17.542763	21.166008	6.60597049	6.60590749	6.94637855	3785	5057	5907
14	NM_001087,NM_001302545	AAMP	angio associated migratory cell p	1.434582585	1.268748491	66.885346	96.082859	79.77482	6.91148886	7.42849482	7.25236148	4687	8984	7314
10282	NM_001317739,NM_005868,NR	BET1	Bet1 golgi vesicular membrane tr	-1.524088354	1.268655112	12.871216	8.288897	15.385557	4.37965714	3.80748641	4.7082479	778	682	1214
6539	NM_001122847,NM_001122848	SLC6A12	solute carrier family 6 member 12	2.004697726	1.268510601	0.1148	0.235279	0.141127	0.49317359	0.86372326	0.60191771	16	43	25
22835	NM_001320666,NM_001320667	ZFP30	ZFP30 zinc finger protein	-1.384851502	1.268431919	2.033264	1.468354	2.43951	3.73086534	3.30224686	4.05079762	482	465	752
323	NM_001166050,NM_001166051	APBB2	amyloid beta precursor protein bi	-1.222290682	1.268306815	7.397191	5.987747	8.641419	5.97311481	5.68860967	6.3111659	2427	2653	3786
10975	NM_006830	UQCR11	ubiquinol-cytochrome c reductase	-1.023311555	1.268272923	51.010075	49.918621	60.811028	6.07310824	6.04036087	6.41144669	2604	3400	4062
130355	NM_001017927,NM_001322329	C2orf76	chromosome 2 open reading fran	-1.426959367	1.268118937	4.680508	3.12331	4.781706	2.0648444	1.69172362	2.3329413	125	117	195
7114	NM_021109	TMSB4X	thymosin beta 4, X-linked	1.121897022	1.268066422	1093.822388	1228.498901	1303.424072	9.38987796	9.55558517	9.73205489	26299	39422	41017
53827	NM_001164605,NM_001320912	FXYD5	FXYD domain containing ion tran	-1.446047771	1.268058444	161.946182	113.579796	199.514601	7.22323087	6.69540426	7.56381544	5827	5384	9088
55357	NM_001267571,NM_001267572	TBC1D2	TBC1 domain family member 2	1.67621533	1.268048271	19.044743	24.821184	17.741888	5.52539208	6.25794232	5.8613842	1769	3962	2759
8576	NM_001008910,NM_001330213	STK16	serine/threonine kinase 16	1.125379527	1.267885501	6.223106	6.741709	7.266669	4.19737984	4.35902755	4.52314065	681	1024	1062
51361	NM_015888	HOOK1	hook microtubule tethering protei	-1.017502358	1.267780253	7.00294	6.890375	8.341079	5.35539329	5.33097613	5.69025663	1568	2059	2445
50807	NM_001247996,NM_018482	ASAP1	ArfGAP with SH3 domain, ankyri	1.180287793	1.267618186	22.796831	27.093464	27.251665	7.14697969	7.38456689	7.48695545	5525	8713	8614
257160	NM_001077239,NM_001278249	RNF214	ring finger protein 214	1.002207935	1.267458183	7.408954	7.367673	8.64237	4.33847337	4.34149855	4.66532766	755	1011	1177
25870	NM_001042469,NM_001042470	SUMF2	sulfatase modifying factor 2	-1.217827903	1.267456394	56.172483	46.001178	66.68326	6.8064101	6.52489718	7.14563148	4355	4778	6789
677772	NR_003006	SCARNA6	small Cajal body-specific RNA 6	2.269805198	1.267161341	2.391576	5.566901	2.87109	0.71085839	1.29208824	0.85412573	25	76	39
101928687	NR_120641,NR_120642	LINC01468	long intergenic non-protein codin	-1.752393574	1.267161341	0.632925	0.354227	0.798741	0.71085839	0.44594451	0.85412573	25	19	39
7205	NM_003302	TRIP6	thyroid hormone receptor interact	-1.47799709	1.266625768	37.79245	25.596083	44.98365	6.03270421	5.47952756	6.36906159	2531	2288	3943
728554	NR_003615	LOC728554	THO complex 3 pseudogene	1.185906887	1.26643218	12.776388	15.180233	15.208978	4.56959435	4.80605531	4.89756216	893	1415	1391
55552	NM_001080493,NM_001297610	ZNF823	zinc finger protein 823	-1.774624861	1.266369505	5.719984	3.22462	6.813178	3.8780834	3.1244438	4.19805401	538	405	838
6734	NM_001177842,NM_003139	SRPRA	SRP receptor alpha subunit	-1.868673991	1.266241623	59.15874	31.694893	70.380075	7.48334147	6.58829422	7.82220283	6986	4995	10880
7403	NM_001291415,NM_001291416	KDM6A	lysine demethylase 6A	1.095375219	1.26619335	5.874348	6.334489	6.989844	5.08141332	5.20913369	5.41295079	1290	1888	2009
90141	NM_001284266,NM_001284267	EFCAB11	EF-hand calcium binding domain	-1.077122096	1.266172462	5.730754	5.201203	6.408361	3.90531607	3.80552077	4.22546449	549	681	855
91050	NM_001130726,NM_001330643	CCDC149	coiled-coil domain containing 149	1.320819641	1.266063818	1.172664	1.555085	1.427756	2.50111114	2.83945493	2.78704637	183	323	285
3030	NM_000182	HADHA	hydroxyacyl-CoA dehydrogenase	1.329353008	1.266032787	43.3377	57.670773	51.557865	7.01284959	7.42081106	7.35082176	5031	8936	7834
1058	NM_001042426,NM_001809	CENPA	centromere protein A	1.160773504	1.265900841	18.245322	21.444086	21.743565	4.71379852	4.92127111	5.04240188	991	1537	1543
7006	NM_003215	TEC	tec protein tyrosine kinase	-1.526801332	1.265704728	3.173491	2.084542	3.777007	3.60967076	3.05994879	3.92465818	440	385	685
23020	NM_014014	SNRNP200	small nuclear ribonucleoprotein U	1.157128647	1.265603041	45.704388	52.944927	54.355392	8.331999	8.54194185	8.67088678	12612	19499	19632
9044	NM_003972	BTAF1	B-TFIID TATA-box binding protei	-1.646326704	1.265575343	13.628297	8.288332	16.208685	6.56075397	5.85132032	6.89734604	3667	2976	5708
4302	NM_005937	MLLT6	MLLT6, PHD finger domain conta	-1.089297508	1.265268322	19.702324	18.106928	23.427935	7.17877726	7.05626571	7.51613747	5649	6929	8791
23780	NM_030882,NM_145637	APOL2	apolipoprotein L2	1.702150584	1.265235459	35.404831	59.666229	42.103291	6.47164217	7.2322978	6.80764596	3445	7835	5361
56180	NM_001306188,NM_019556	MOSPD1	motile sperm domain containing 1	1.291579132	1.264979949	2.937121	3.677266	3.344651	2.92543304	3.2511683	3.22432601	259	447	403
57496	NM_001308142,NM_014048	MKL2	MKL1/myocardin like 2	1.740590648	1.264887469	5.087784	8.812037	6.030462	5.47257771	6.25830165	5.80478602	1704	3963	2651
3226	NM_017409	HOXC10	homeobox C10	-1.218842414	1.264838441	8.73768	7.178463	10.390192	4.14433812	3.87652288	4.46615621	655	718	1019
85019	NM_001318834,NM_032933,NR	TMEM241	transmembrane protein 241	-1.084417855	1.264826286	6.654708	6.065892	7.836037	4.33665583	4.22573375	4.66061022	754	929	1173
11042	NR_034021	SMA5	glucuronidase beta pseudogene	1.350992186	1.264471311	1.600911	2.172836	1.905858	1.90722898	2.23798388	2.16322937	108	195	168
85442	NM_001347864,NM_001347865	KNDC1	kinase non-catalytic C-lobe doma	1.306270061	1.264275561	0.553702	0.759639	0.677183	1.38110603	1.63086207	1.59908548	63	110	98
1737	NM_001931	DLAT	dihydrolipoamide S-acetyltransfe	-1.68135946	1.264219836	9.643345	5.737171	11.452386	5.38559376	4.65922688	5.71663112	1602	1273	2491
27111	NM_001199784,NM_015685,NM	SDCBP2	syndecan binding protein 2	-2.204121051	1.264158886	13.645822	6.485908	16.655296	4.45195674	3.38881456	4.7763339	820	497	1275
10449	NM_006111	ACAA2	acetyl-CoA acyltransferase 2	1.197075742	1.264114591	19.988194	23.957331	23.74613	5.2722583	5.52563064	5.60258718	1478	2364	2298

10005	NM_005469	ACOT8	acyl-CoA thioesterase 8	1.266278337	1.264111616	10.576791	13.422195	12.574654	3.70855202	4.02581645	4.02350017	474	802	737
401232	NR_026856	LINC01011	long intergenic non-protein codin	1.064287222	1.264087913	0.734043	0.791046	0.887616	1.10178443	1.15059938	1.29257653	45	64	70
348487	NM_182623	FAM131C	family with sequence similarity 1	-1.194679862	1.26365587	1.68654	1.408388	2.005408	1.92669094	1.74192207	2.18310266	110	123	171
11235	NM_007217,NM_145859,NM_14	PDCD10	programmed cell death 10	1.400124068	1.263244863	44.029756	62.295092	52.553369	5.74478835	6.22265489	6.07632129	2066	3865	3210
2235	NM_000140,NM_001012515	FECH	ferrochelatase	-1.10791279	1.263231241	1.572581	1.418857	1.867572	3.60061161	3.46550967	3.91280502	437	527	679
10683	NM_016941,NM_203486	DLL3	delta like canonical Notch ligand	-1.00207938	1.263107118	0.195109	0.194515	0.265116	0.54446555	0.54351856	0.65979727	18	24	28
2946	NM_000848,NM_001142368	GSTM2	glutathione S-transferase mu 2	1.328596534	1.263107118	0.346551	0.505372	0.453454	0.54446555	0.68708806	0.65979727	18	32	28
7533	NM_003405	YWHAH	tyrosine 3-monooxygenase/trypto	1.054553759	1.26277704	52.436245	55.352413	62.223743	6.53205449	6.60788264	6.86541598	3594	5064	5582
11328	NM_001284341,NM_001284343	FKBP9	FK506 binding protein 9	-1.073751023	1.262649586	17.027099	16.037436	20.437208	5.86881881	5.76797396	6.20014324	2255	2806	3502
25957	NM_001322405,NM_001322406	PNISR	PNN interacting serine and argini	1.033896469	1.262594434	39.584555	40.766643	46.870594	7.57484227	7.62268657	7.90966344	7446	10286	11563
55038	NM_017955,NM_145701	CDCA4	cell division cycle associated 4	1.272161187	1.262583671	19.748964	25.152193	23.501595	5.59013765	5.93101533	5.92029254	1852	3148	2876
64420	NM_001282640,NM_001282643	SUSD1	sushi domain containing 1	1.144145751	1.262521385	4.666829	5.307791	5.553248	3.88058045	4.06249189	4.1964253	539	824	837
30001	NM_014584	ERO1A	endoplasmic reticulum oxidoredu	1.455783351	1.262480422	43.211933	62.976391	51.266727	7.86365626	8.40349688	8.19863258	9105	17710	14138
2810	NM_006142	SFN	stratifin	-1.109585988	1.262353072	148.200073	133.714874	175.811981	7.57561302	7.42641784	7.91016035	7450	8971	11567
28996	NM_001113239,NM_022740	HIPK2	homeodomain interacting protein	-1.412367948	1.262315297	3.021878	2.142096	3.59116	5.51739157	5.03217088	5.84692246	1759	1664	2731
899	NM_001323538,NM_001761	CCNF	cyclin F	1.048997008	1.262123246	14.56694	15.520353	17.490961	5.95011857	6.01804174	6.28113075	2388	3347	3707
7528	NM_003403	YY1	YY1 transcription factor	1.415609929	1.262116421	38.215004	54.160294	45.328888	6.88934167	7.38719791	7.2226643	4615	8729	7164
81848	NM_001127496,NM_001293289	SPRY4	sprouty RTK signaling antagonist	1.478402305	1.261960537	5.371898	7.395273	6.370884	4.74838854	5.29500126	5.07290231	1016	2007	1577
23582	NM_012142,NR_027513,NR_02	CCNDBP1	cyclin D1 binding protein 1	-1.223143805	1.26177643	6.969881	5.708508	8.238981	4.65958016	4.38163336	4.98317903	953	1041	1479
9765	NM_001105251,NM_001284236	ZFYVE16	zinc finger FYVE-type containing	1.185555083	1.261721821	4.715398	5.282372	5.466055	5.57479997	5.81563038	5.90391945	1832	2902	2843
653188	NR_027386,NR_027386_dup1	GUSBP3	glucuronidase, beta pseudogene	1.161587898	1.261596722	0.625579	0.743095	0.74777	0.97665845	1.08728891	1.15176086	38	59	59
106635525	NR_132774	SNORA92	small nucleolar RNA, H/ACA box	1.819759044	1.261488548	0.888383	1.745075	1.13263	0.29776659	0.50527715	0.36729312	9	22	14
100009667	NR_131184	POU5F1P5	POU class 5 homeobox 1 pseudo	-2.937033591	1.261488548	0.230826	0.083678	0.28809	0.29776659	0.10601836	0.36729312	9	4	14
7292	NM_001297562,NM_003326	TNFSF4	TNF superfamily member 4	-1.494302911	1.261488548	0.060245	0.040985	0.080324	0.29776659	0.20477631	0.36729312	9	8	14
102466748	NR_106904	MIR6845	microRNA 6845	-1.199655349	1.261488548	3.834383	3.019305	4.574493	0.29776659	0.25173066	0.36729312	9	10	14
407050	NR_029510	MIR93	microRNA 93	1.737576852	1.261488548	2.820108	5.089629	3.265409	0.29776659	0.48576948	0.36729312	9	21	14
7798	NM_001142546,NM_033631	LUZP1	leucine zipper protein 1	1.216906694	1.261392872	4.042619	4.888851	4.790459	5.09437892	5.37007127	5.42064411	1302	2117	2020
9061	NM_005443	PAPSS1	3'-phosphoadenosine 5'-phosphc	1.03688399	1.261369226	21.010983	21.808369	24.906734	5.72824713	5.77953587	6.05760375	2042	2829	3168
10855	NM_001098540,NM_001166498	HPSE	heparanase	1.045662863	1.261348544	3.967531	4.149016	4.699897	4.2349439	4.29602113	4.55399371	700	978	1086
55614	NM_001199865,NM_001199866	KIF16B	kinesin family member 16B	1.016095831	1.261214174	4.501216	4.596824	5.261616	4.54619271	4.56825335	4.86819666	878	1192	1362
80727	NM_025250	TTYH3	tweety family member 3	1.11456689	1.261153904	15.324685	17.101078	18.161371	6.18895235	6.343407	6.51960771	2825	4207	4382
153768	NM_138492,NM_182960,NM_20	PRELID2	PRELI domain containing 2	-1.204852467	1.26111976	3.258504	2.662733	3.84246	4.03874269	3.78770843	4.35521005	606	672	940
285282	NM_173825	RABL3	RAB, member of RAS oncogene	1.445926696	1.260446134	2.870728	4.161657	3.405262	3.56999691	4.06413701	3.87868233	427	825	662
11231	NM_007214	SEC63	SEC63 homolog, protein transloc	1.209085848	1.260322687	10.958646	13.265689	12.979437	6.13663902	6.4070151	6.4662027	2723	4399	4221
51319	NM_001271834,NM_001271838	RSRC1	arginine and serine rich coiled-cc	1.025544389	1.260174817	19.504067	20.051038	23.0727	5.08249824	5.11783013	5.40732977	1291	1769	2001
100132287	NR_028322_chr1,NR_028322_c	LOC100132287	uncharacterized LOC100132287	1.539430411	1.260124747	1.673784	2.581099	1.983816	3.02359429	3.58262222	3.32017262	280	576	434
731275	NR_029401	LINC01347	long intergenic non-protein codin	1.243452418	1.260116739	1.768067	2.206489	2.098831	2.93026199	3.20717639	3.22432601	260	432	403
55213	NM_018191	RCBTB1	RCC1 and BTB domain containir	1.007445103	1.260080682	3.049183	3.080943	3.614673	3.70009475	3.70997765	4.01058243	471	634	730
51631	NM_001244585,NM_001270643	LUC7L2	LUC7 like 2, pre-mRNA splicing f	-1.427158813	1.260045019	39.864674	27.949009	47.229863	6.73334681	6.22596555	7.06402906	4138	3874	6413
140838	NM_152667	NANP	N-acetylneuraminic acid phospha	1.304019905	1.259989825	3.18027	4.152469	3.76616	3.67442132	4.03087288	3.98439467	462	805	716
466	NM_005171	ATF1	activating transcription factor 1	-1.003191259	1.259948559	7.141473	7.121212	8.453422	4.20337642	4.19902895	4.52053953	684	911	1060
3717	NM_001322194,NM_001322195	JAK2	Janus kinase 2	-1.559296503	1.259905966	1.693387	1.065541	2.028111	3.27963753	2.71931318	3.58206614	342	293	530
4719	NM_001199981,NM_001199982	NDUFS1	NADH:ubiquinone oxidoreductas	1.28860448	1.259840049	19.48785	25.16913	23.072581	6.06215071	6.42312952	6.39094392	2584	4449	4004
54470	NM_001009584,NM_001184768	ARMCX6	armadillo repeat containing, X-lin	1.18957415	1.259739674	9.362486	11.719324	10.846147	3.71136013	3.94419393	4.02166185	475	755	736
7813	NM_001308248,NM_001350197	EVI5	ecotropic viral integration site 5	-1.22808699	1.259718175	1.593638	1.255286	1.861776	3.63513237	3.38355363	3.96347983	455	495	705
222171	NM_001329996,NM_001329997	PRR15	proline rich 15	-1.363386991	1.259587186	21.953744	16.074597	25.51362	5.06212379	4.60488193	5.3601012	1249	1224	1935
349667	NM_178570	RTN4RL2	reticulon 4 receptor like 2	1.738135305	1.259501576	0.469508	0.8201	0.554665	1.01352966	1.47139626	1.19154816	40	93	62
10896	NM_022375	OCLM	oculomedin	-1.986169758	1.259324161	3.581485	1.801345	4.264779	2.03825186	1.3579479	2.29691521	122	82	189
54718	NR_027795	BTN2A3P	butyrophilin subfamily 2 member	1.694255509	1.259146956	1.068607	1.817923	1.267509	1.84721644	2.43393638	2.09493548	102	231	158
6386	NM_001007067,NM_001007068	SDCBP	syndecan binding protein	-1.032954669	1.258989526	78.366197	75.870176	91.402821	7.38388295	7.33738986	7.71437631	6518	8431	10093
57118	NM_001351032,NM_020397,NM	CAMK1D	calcium/calmodulin dependent pr	6.691972671	1.258883427	0.264455	1.846472	0.765046	1.62696745	3.90617635	1.86000215	82	734	127
4884	NM_002522	NPTX1	neuronal pentraxin 1	2.722568707	1.258778307	0.096139	0.260647	0.113821	0.59399636	1.25799553	0.71544405	20	73	31
283455	NM_173598	KSR2	kinase suppressor of ras 2	-1.333736392	1.258778307	0.030718	0.022559	0.036051	0.59399636	0.46599441	0.71544405	20	20	31
10771	NM_001202464,NM_001202465	ZMYND11	zinc finger MYND-type containing	1.193577713	1.258607025	16.420329	20.625052	19.580936	5.94177327	6.19326394	6.2687844	2374	3786	3675
100271927	NM_001277335,NM_001277335	RASA4B	RAS p21 protein activator 4B	-1.969071985	1.258450188	0.573554	0.289539	0.686717	1.36692851	0.84852988	1.57922529	62	42	96
541578	NM_001013845	CXorf40B	chromosome X open reading frar	1.091452842	1.25808461	13.578063	14.833927	16.059649	4.22711655	4.34691481	4.542501	696	1015	1077
28987	NM_014062,NR_074074	NOB1	NIN1/PSMD8 binding protein 1 h	1.218408541	1.258019249	34.957099	42.615379	41.307493	5.93818188	6.21896745	6.26451583	2368	3855	3664
23347	NM_015295	SMCHD1	structural maintenance of chrom	1.074105456	1.257458058	14.37155	15.451747	16.981987	6.93480377	7.03712783	7.26290456	4764	6837	7368
1182	NM_001243372,NM_001243374	CLCN3	chloride voltage-gated channel 3	-1.048363668	1.257303018	11.624147	11.218685	13.821519	6.14911979	6.08196067	6.47529792	2747	3501	4248
10554	NM_006411,NM_032741	AGPAT1	1-acylglycerol-3-phosphate O-ac	-1.025048575	1.257261149	18.363508	17.025948	21.701084	5.37057255	5.33575111	5.69372425	1585	2066	2451
79712	NM_001006636,NM_001164628	GTDC1	glycosyltransferase like domain c	1.54406017	1.257149546	2.894296	5.047381	3.914945	3.16550307	3.73497962	3.4624849	313	646	494
147081	NR_026680,NR_027295,NR_13	LINC02210	long intergenic non-protein codin	1.268468019	1.257085877	15.140467	19.823214	15.687315	5.21503705	5.54990035	5.63717864	1419	2405	2194
123775	NM_001100873,NM_152337	C16orf46	chromosome 16 open reading fra	-1.223708769	1.256740234	3.165454	2.455999	3.73417	2.71208982	2.46913115	2.99621456	218	238	337
26065	NM_001114093,NM_015578	LSM14A	LSM14A, mRNA processing body	-1.08652526	1.25660714	32.196496	29.689195	38.097235	6.88779097	6.76912011	7.21484184	4610	5669	7125
91949	NM_153603	COG7	component of oligomeric golgi co	1.072714667	1.25630051	12.416015	13.333767	14.654468	5.19009033	5.28868274	5.51121019	1394	1998	2154
5536	NM_001204284,NM_006247	PPP5C	protein phosphatase 5 catalytic s	1.02535701	1.256240917	30.781145	31.620391	36.461866	6.08560737	6.12120968	6.41039332	2627	3599	4059
56006	NM_019108	SMG9	SMG9, nonsense mediated mRN	-1.130237353	1.256139468	12.725982	11.275012	15.022902	6.12510269	5.95115905	6.44989048	2701	3193	4173
440434	NR_036750	LOC440434	aminopeptidase puromycin sensi	-1.143564236	1.255882927	60.085228	52.600174	70.917656	6.60973804	6.41831407	6.9354357	3795	4434	5862
207063	NM_145177_chrX,NM_145177_c	DHRSX	dehydrogenase/reductase X-linke	1.362756815	1.255846402	2.614512	3.564227	3.087463	2.91572639	3.31058687	3.20501631	257	468	397
114803	NM_001085487	MYSM1	Myb like, SWIRM and MPN doma	1.262158777	1.255838462	9.09559	11.491648	10.733111	6.12510269	6.45670819	6.44954867	2701	4555	4172
57132	NM_020412	CHMP1B	charged multivesicular body prot	1.061679468	1.255794106	43.079769	45.788044	50.836586	7.01512412	7.10082603	7.3414569	5039	7148	7783
80035	NR_026808	ANP32A-IT1	ANP32A intronic transcript 1	1.472656299	1.255664645	0.26297	0.386081	0.308708	0.88013425	1.16293478	1.03996283	33	65	51
8971	NM_006026	H1FX	H1 histone family member X	1.234678167	1.255626275	69.870773	86.354424	82.443863	6.69378257	6.99527351	7.01935782	4025	6640	6216
2665	NM_001115156,NM_001494	GDI2	GDP dissociation inhibitor 2	1.131041086	1.255543357	71.668245	81.103134	84.537568	7.4018123	7.57847759	7.72839171	6600	9974	10192
201626	NM_001322176,NM_001322177	PDE12	phosphodiesterase 12	1.206166399	1.255518969	3.663727	4.329913	4.239886	4.34210161	4.60035389	4.6558773	757	1220	1169
6671	NM_001326542,NM_001326543	SP4	Sp4 transcription factor	1.27554083	1.255281049	1.826002	1.85242	1.739389	3.18583679	3.50238056	3.48133381	318	542	491
647310	NM_001195082	TEX22	testis expressed 22	1.189768676	1.255232562	0.220903	0.264672	0.262796	0.64188297	0.73744328	0.76902392	22	35	34
4130	NM_002373	MAP1A	microtubule associated protein 1/	1.223623142	1.255232562	0.055082	0.068639	0.066122	0.64188297	0.75384785	0.76902392	22	36	34
23568	NM_012106	ARL2BP	ADP ribosylation factor like GTP	1.105393645	1.255137796	10.807345	11.959114	12.750741	4.53037804	4.66898984	4.84551373	868	1282	1340
285636	NM_175921	C5orf51	chromosome 5 open reading frar	1.040555095	1.254589076	3.291847	3.431318	3.882887	4.15675275	4.21095882	4.46750731	661	919	1020
10641	NM_006545	NPRL2	NPR2-like, GATOR1 complex su	1.206120628	1.254410037	7.31212	8.845129	8.634933	3.68588817	3.9370293	3.99004649	466	751	719
8664	NM_003753	EIF3D	eukaryotic translation initiation fa	1.580844631	1.254283874	213.641296	338.119293	251.821457	8.66684046	9.32623474	8.99298659	15917	33620	24555
51759	NM_016520	C9orf78	chromosome 9 open reading frar	-1.014570888	1.254266295	19.878983	19.620569	23.439913	5.17796048	5.1576698	5.49672576	1382	1820	2132
2124	NM_006495	EVI2B	ecotropic viral integration site 2B	1.680656492	1.254104063	6.935182	11.663788	8.168756	3.85541331	4.5636087	4.16179054	529	1188	816
90507	NM_001145023,NM_138355	SCRN2	secernin 2	1.069549691	1.254093726	31.562208	33.694895	37.405507	5.74889418	5.84415687	6.07010905	2072	2961	3196
90529	NM_001199012,NM_001199013	STPG1	sperm tail PG-rich repeat contain	-1.151638759	1.254024665	2.932716	2.54171	3.468328	3.13654562	2.95745524	3.42958826	306	355	472
7068	NM_000461,NM_001128176,NM	THRB	thyroid hormone receptor beta	1.080867041	1.253994863	1.531849	1.704281	1.848177	3.63355401	3.73704369	3.93641476	448	647	691
441478	NM_001004354	NRARP	NOTCH-regulated ankyrin repeat	1.150854113	1.25377872	2.238405	2.583625	2.645988	2.75082071	2.92523142	3.03318152	225	346	347
2769	NM_002068	GNA15	G protein subunit alpha 15	-1.026575243	1.253657809	5.97039	5.825816	7.033602	3.84266317	3.80748641	4.14837451	524	682	808
399512	NM_001320870,NM_001320871	SLC25A35	solute carrier family 25 member 3	-1.876108202	1.253514362	7.263794	4.008585	8.887551	4.12551355	3.28823882	4.4347263	646	460	996
10664	NM_001191022,NM_006565	CTCF	CCCTC-binding factor	-1.015946729	1.253070065	16.917612	16.670805	20.087823	6.04221495	6.0197383	6.36326659	2548	3351	3927
91445	NM_001135825,NM_152267,NR	RNF185	ring finger protein 185	1.230863252	1.252918883	4.329152	5.761751	5.421734	3.9320442	4.21392593	4.23818553	560	921	863
10686	NM_006580	CLDN16	claudin 16	-1.30795592	1.252862878	0.377019	0.29231	0.451375	1.15225689	0.95166931	1.34055586	48	49	74
284615	NM_001039888	ANKRD34A	ankyrin repeat domain 34A	1.16905128	1.252862878	0.345177	0.406672	0.405724	1.15225689	1.28081328	1.34055586	48	75	74
8717	NM_001323552,NM_003789	TRADD	TNFRSF1A associated via death	-1.105622177	1.252670675	16.650691	15.076108	19.604812	4.64790143	4.50909186	4.96128769	945	1142	1456
9343	NM_001142605,NM_001258353	EFTUD2	elongation factor Tu GTP binding	1.234816544	1.252484942	32.111016	39.700925	37.64099	7.03263119	7.3348367	7.35520781	5101	8416	7858
100037417	NM_001084393	DDTL	D-dopachrome tautomerase like	1.521206021	1.25228476	7.339764	11.176681	8.631462	3.66576097	4.23160161	3.96730515	459	933	707
283537	NM_001135919,NM_001347960	SLC46A3	solute carrier family 46 member 3	-2.066953281	1.252225756	1.259055	0.681833	1.480904	2.35073722	1.57657016	2.6172769	161	104	248
55604	NM_001173977,NM_017640	CARMIL1	capping protein regulator and my	-1.153900039	1.252144476	3.842617	3.335627	4.520298	4.41453771	4.2183652	4.72529065	798	924	1229

4122	NM_001320977,NM_006122,NR	MAN2A2	mannosidase alpha class 2A mer	-2.030800706	1.252039264	8.541743	4.302082	10.32459	5.78666216	4.79123253	6.10568646	2128	1400	3277
9647	NM_014634	PPM1F	protein phosphatase, Mg2+/Mn2	1.650820723	1.252024811	4.163944	6.885112	4.903162	4.46199571	5.15920994	4.77305948	826	1822	1272
55746	NM_018230	NUP133	nucleoporin 133	1.03531405	1.25180525	16.611696	17.21389	19.542149	6.09692582	6.14627712	6.41670205	2648	3663	4077
57596	NM_001159531,NM_020836	BEGAIN	brain enriched guanylate kinase	1.273570112	1.251774994	0.344673	0.445738	0.410632	0.95786335	1.1381576	1.12461302	37	63	57
662	NM_001205,NM_013978,NM_01	BNIP1	BCL2 interacting protein 1	-1.032542012	1.251760723	10.579344	10.330836	12.494575	3.82462152	3.78172178	4.1280136	517	669	796
347688	NM_177987	TUBB8	tubulin beta 8 class VIII	1.45099756	1.251534396	0.852616	1.256049	1.022402	1.18495016	1.51053416	1.37552141	50	97	77
80737	NM_025258	VWA7	von Willebrand factor A domain c	-1.650304251	1.251233794	0.794052	0.47956	0.937201	1.70793493	1.24644988	1.9400446	89	72	137
3033	NM_001184705,NM_001331027	HADH	hydroxyacyl-CoA dehydrogenase	1.259413247	1.251017679	17.231154	21.705455	20.247234	5.0976022	5.42167258	5.41224936	1305	2196	2008
254048	NM_173569	UBN2	ubinuclein 2	-1.233224619	1.250761614	1.909057	1.551042	2.245803	4.8007456	4.51029918	5.1131673	1055	1143	1623
55293	NM_001040697,NM_001261382	UEVLD	UEV and lactate/malate dehyrog	-1.690621033	1.250645453	8.533632	5.084569	9.925273	4.34391231	3.63447819	4.6523174	758	599	1166
25912	NM_001098616,NM_001297717	C1orf43	chromosome 1 open reading fran	-1.065545647	1.250557787	59.21148	56.049369	70.403973	6.75392153	6.66320264	7.07382021	4198	5264	6457
6234	NM_001031	RPS28	ribosomal protein S28	1.008818832	1.250320439	336.768951	340.138428	395.701965	6.98033279	6.99290029	7.30034791	4918	6629	7563
147699	NM_001080401	PPM1N	protein phosphatase, Mg2+/Mn2	-1.37364763	1.25022275	2.208039	1.604349	2.597975	2.23060596	1.882817 96	2.4901017	145	141	223
3632	NM_001321042,NM_005539	INPP5A	inositol polyphosphate-5-phosph	1.314927578	1.249905321	3.719359	4.892083	4.3724	3.57308778	3.9388238	3.8705348	428	752	658
4898	NM_001101662,NM_001242361	NRDC	nardilysin convertase	-1.128251001	1.249877147	43.507737	38.542927	51.012661	7.34530926	7.17235548	7.66532585	6345	7514	9754
63898	NM_001174159,NM_001174160	SH2D4A	SH2 domain containing 4A	1.207819941	1.249804303	17.451913	21.540025	20.775126	5.86251679	6.13066108	6.17926858	2245	3623	3451
5189	NM_000466,NM_001282677,NM	PEX1	peroxisomal biogenesis factor 1	-1.694881795	1.249783406	6.818129	4.012823	7.987116	4.91233736	4.18397654	5.22443598	1143	901	1757
100049076	NR_033968,NR_033968_dup1	GUSBP9	glucuronidase, beta pseudogene	1.380160411	1.249770544	1.083252	1.519013	1.306278	0.73313634	0.93737891	0.87055986	26	48	40
51673	NM_015964,NM_016140	TPPP3	tubulin polymerization promoting	-1.120064962	1.249770544	0.573743	0.563368	0.75166	0.73313634	0.669904	0.87055986	26	31	40
10120	NM_005735	ACTR1B	ARP1 actin related protein 1 hom	1.172663925	1.249612229	15.503211	18.209784	18.21125	5.13363806	5.35738055	5.44690975	1339	2098	2058
1173	NM_001025205,NM_001311198	AP2M1	adaptor related protein complex	1.546491275	1.249546062	89.318726	138.287385	104.887618	7.40289838	8.02888973	7.72260386	6605	13648	10151
440482	NR_040113	ANKRD20A5P	ankyrin repeat domain 20 family	1.067465872	1.249383711	1.340628	1.432006	1.571373	2.54584744	2.6243808	2.81703332	190	271	292
5905	NM_001278651,NM_001317930	RANGAP1	Ran GTPase activating protein 1	1.438756456	1.249178878	111.706285	161.092231	129.607265	8.7452319	9.26903147	9.0655431	16808	32311	25824
100529251	NM_001202509,NM_001204098	CKLF-CMTM1	CKLF-CMTM1 readthrough	1.150074057	1.249172038	1.919232	2.2523	2.234851	1.24819466	1.36863803	1.4430085	54	83	83
79581	NM_001253815,NM_001253816	SLC52A2	solute carrier family 52 member	1.034500094	1.249148	36.763216	36.519745	42.787083	6.10655716	6.15479443	6.42333147	2666	3685	4096
10042	NM_001003681,NR_027780	HMGXB4	HMG-box containing 4	1.024833638	1.249136587	15.606184	15.992874	18.180403	6.0163339	6.05118491	6.33282566	2502	3426	3844
9443	NM_001100816,NM_004270	MED7	mediator complex subunit 7	1.080870631	1.249016155	19.521223	20.267584	23.439695	4.53196733	4.63950051	4.8403084	869	1255	1335
7791	NM_001010972,NM_003461	ZYX	zyxin	1.126414974	1.249010346	34.915401	39.348948	40.990935	6.31153111	6.48123514	6.62870105	3079	4634	4730
8445	NM_003583,NM_006482	DYRK2	dual specificity tyrosine phosphor	-1.274218331	1.24891148	6.644508	5.280572	7.879109	5.35269794	5.01270852	5.6663355	1565	1641	2404
8204	NM_003489	NRIP1	nuclear receptor interacting prote	1.117165978	1.248905672	12.75967	14.271607	14.976427	6.568131	6.7263834	6.88577077	3686	5502	5662
49856	NM_017818	WRAP73	WD repeat containing, antisense	-1.018468721	1.24886971	15.795571	15.522091	18.536371	4.76199564	4.73657294	5.07201438	1026	1346	1576
728769	NR_105014	SCAMP1-AS1	SCAMP1 antisense RNA 1	1.136921045	1.248865853	3.964048	4.514069	4.648692	2.80440683	2.96451939	3.08339379	235	357	361
7542	NM_006782	ZFPL1	zinc finger protein like 1	1.032033982	1.248856471	20.409145	21.087433	23.967541	4.83591088	4.87983681	5.14644623	1082	1492	1662
23077	NM_015057	MYCBP2	MYC binding protein 2, E3 ubiqui	-1.053388184	1.248765725	2.010867	1.910436	2.360008	4.92690697	4.85439274	5.23795796	1155	1465	1774
9390	NM_004256	SLC22A13	solute carrier family 22 member	1.264404815	1.248702752	0.131604	0.166632	0.148654	0.41264541	0.50527715	0.49997203	13	22	20
101340251	NR_102369	SNORD124	small nucleolar RNA, C/D box 12	-1.084841227	1.248702752	3.153536	2.856489	3.754404	0.41264541	0.38406669	0.49997203	13	16	20
7067	NM_001190918,NM_001190919	THRA	thyroid hormone receptor, alpha	-1.090271042	1.248616977	3.948269	3.635751	4.718441	3.40634723	3.29385837	3.69940604	377	462	579
5481	NM_005038	PPID	peptidylprolyl isomerase D	1.323349881	1.248527634	19.013794	25.19009	22.30851	5.12734384	5.52144537	5.43935559	1333	2357	2047
84771	NR_024004,NR_024005	DDX11L2	DEAD/H-box helicase 11 like 2	2.009309581	1.248414958	2.170212	3.523824	2.016678	2.19091668	3.02995795	2.44691815	140	376	215
7402	NM_007124	UTRN	utrophin	-1.100135464	1.248409342	1.479615	1.34745	1.737318	4.24272901	4.1126379	4.54762018	704	855	1081
79269	NM_001286810,NM_024345	DCAF10	DDB1 and CUL4 associated fact	1.078913729	1.248260445	2.42924	2.623167	2.849702	4.30354226	4.40778273	4.60889895	736	1061	1130
124056	NM_001267721,NM_144603,NM	NOXO1	NADPH oxidase organizer 1	-6.433544177	1.248180055	3.177137	0.486787	3.717087	2.59533164	0.83317479	2.86703245	198	41	304
11080	NM_001317099,NM_001317100	DNAJB4	DnaJ heat shock protein family (H	1.139558638	1.248072195	5.607815	6.400357	6.652163	4.11494833	4.2932183	4.41805218	641	976	984
6184	NM_002950	RPN1	ribophorin I	1.700291573	1.248053793	136.696472	232.698441	160.327881	8.28811888	9.05200409	8.60688402	12233	27791	18778
140901	NM_080836	STK35	serine/threonine kinase 35	1.522071257	1.247969703	11.210949	17.066286	13.150496	6.1496374 9	6.74701411	6.46518858	2748	5592	4218
51435	NM_016240,NM_182826	SCARA3	scavenger receptor class A mem	-15.03117011	1.247860703	0.818443	0.053931	1.086565	1.96484452	0.25173086	2.20918158	114	10	175
79018	NM_024052	GID4	GID complex subunit 4 homolog	-1.136855867	1.247740436	2.041149	1.797307	2.398085	3.23740108	3.07308051	3.5261099	331	389	508
283229	NM_001286606,NM_173584	CRACR2B	calcium release activated channe	-1.883196022	1.247692454	12.748279	6.760701	15.09507	4.5509035	3.69093766	4.85793043	881	625	1352
22845	NM_014908	DOLK	dolichol kinase	1.530794916	1.247656272	11.496299	17.625731	13.479445	4.68265777	5.27738104	4.99071621	969	1982	1487
653160	NR_037869	LOC653160	uncharacterized LOC653160	1.374231513	1.247526226	2.192995	3.023651	2.575701	2.33625658	2.71513092	2.59766727	159	292	244
10935	NM_001302272,NM_006793,NR	PRDX3	peroxiredoxin 3	-1.062359447	1.247511718	75.27383	69.456763	86.611368	6.87938828	6.79287816	7.19601533	4583	5764	7032
9633	NM_001039656,NM_004923	TESMIN	testis expressed metallothionein	-1.607650557	1.247450074	7.043404	4.721427	8.498898	4.65082999	4.00026496	4.95840765	947	787	1453
55814	NM_018429	BDP1	B double prime 1, subunit of RNA	1.054036135	1.247362668	4.76558	5.028753	5.58618	5.71151407	5.7860301	6.02494052	2018	2842	3096
57591	NM_001282660,NM_001282661	MKL1	megakaryoblastic leukemia (trans	1.228621056	1.247213596	7.416038	9.193416	8.648988	5.05291493	5.34186724	5.36300797	1264	2075	1939
317760	NR_037933	ADAM20P1	ADAM metallopeptidase domain	1.36715105	1.247134894	0.499542	0.681075	0.5817	1.30878272	1.59489542	1.50747923	58	106	89
5468	NM_001330615,NM_005037,NM	PPARG	peroxisome proliferator activated	1.118020156	1.247108964	71.58986	78.818253	82.959271	7.03038412	7.19016803	7.34678947	5093	7608	7812
9170	NM_004720	LPAR2	lysophosphatidic acid receptor 2	-1.135288131	1.246922609	14.496308	12.785072	16.996433	4.71938895	4.54370036	5.0269064	995	1171	1526
375	NM_001024226,NM_001024227	ARF1	ADP ribosylation factor 1	-1.022634126	1.246830311	214.358056	209.736867	250.884842	8.6269636	8.59475589	8.9445082	15482	20228	23742
57561	NM_001329670,NM_001329671	ARRDC3	arrestin domain containing 3	1.730594463	1.246629873	17.158337	29.854145	20.221258	6.18844858	6.97136374	6.50257408	2824	6530	4330
1845	NM_004090	DUSP3	dual specificity phosphatase 3	-1.14062646	1.246366218	22.62237	19.85417	26.497475	6.52049297	6.33286878	6.83512022	3565	4176	5465
10455	NM_006660,NR_133680	PRX	caseinolytic mitochondrial matrix	-1.153101229	1.246140036	7.469049	6.480401	8.740909	5.15648472	4.95712842	5.4659619	1361	1577	2086
53354	NM_138316,NM_148977,NM_14	PANK1	pantothenate kinase 1	-1.759004888	1.246081031	0.512537	0.291501	0.600757	2.16656821	1.57657016	2.4192694	137	104	210
124540	NM_001322250,NM_001322251	MSI2	musashi RNA binding protein 2	1.296826227	1.246053985	12.293313	15.49998	13.166051	6.05055502	6.42056328	6.36362946	2563	4441	3928
23199	NM_001134473,NM_001278184	GSE1	Gse1 coiled-coil protein	-1.466006316	1.246047958	15.11421	10.573258	18.035876	6.80312322	6.25722339	7.11793683	4345	3960	6659
10454	NM_006116,NM_153497	TAB1	TGF-beta activated kinase 1 (MA	1.282758409	1.246027385	33.086342	42.362904	38.644154	6.69945096	7.05564563	7.01405106	4041	6926	6193
25845	NR_024158	PP7080	uncharacterized LOC25845	1.629384067	1.245692735	3.712724	6.065264	4.353061	2.87121968	3.49751855	3.14885876	248	540	380
3201	NM_002141	HOXA4	homeobox A4	-4.872746509	1.245616497	1.158256	0.238102	1.355386	1.56621863	0.48576948	1.78395874	77	21	118
100526694	NM_001198812	MSANTD3-TMEFF1	MSANTD3-TMEFF1 readthrough	1.050179227	1.245581768	1.332524	1.400834	1.552192	2.05603457	2.11004283	2.30298238	124	174	190
55601	NM_017631	DDX60	DExD/H-box helicase 60	-1.982146745	1.245365049	11.470778	5.791072	13.423897	6.10495639	5.13827799	6.41740132	2663	1795	4079
5019	NM_000436	OXCT1	3-oxoacid CoA-transferase 1	1.034852511	1.245299643	8.235175	8.534765	9.641295	4.88523815	4.93302278	5.19211053	1121	1550	1717
414918	NM_001001794	DENND6B	DENN domain containing 6B	1.488452871	1.2447906	3.548776	5.302923	4.157998	2.99161027	3.50480544	3.27149895	273	543	418
23511	NM_015354	NUP188	nucleoporin 188	1.023240077	1.244183255	22.303976	22.847464	26.081263	6.96217535	6.99505793	7.27510823	4856	6639	7431
55023	NM_017934	PHIP	pleckstrin homology domain inter	1.168187046	1.244129225	5.1349	6.006295	6.003548	5.92735377	6.14821729	6.23784416	2350	3668	3596
81491	NM_001143957,NM_030784	GPR63	G protein-coupled receptor 63	-1.776868122	1.244128898	0.137255	0.077241	0.162854	0.86002952	0.54351856	1.01060517	32	24	49
100506639	NR_102752	LOC100506639	uncharacterized LOC100506639	1.465304337	1.243907613	0.819488	1.205449	0.957927	1.16869613	1.50084877	1.35230545	49	96	75
6840	NM_001323599,NM_001323600	SVIL	supervillin	-1.097525737	1.243886356	13.191315	11.577952	15.38648	6.46416976	6.33150339	6.7758262	3427	4172	5243
64342	NM_022460	HS1BP3	HCLS1 binding protein 3	-1.176459897	1.243534526	4.972414	4.228713	5.813079	3.65995838	3.44545299	3.95194263	457	519	699
427	NM_001127505,NM_004315,NM	ASAH1	N-acylsphingosine amidohydrola	-1.071996329	1.2434373	22.690296	21.046192	26.425688	5.92735377	5.82875491	6.23705219	2350	2929	3594
23299	NM_001003800,NM_015250	BICD2	BICD cargo adaptor 2	1.239049608	1.243210193	11.737619	15.613915	15.626497	6.10602377	6.4112222	6.41600244	2665	4412	4075
55700	NM_001286365,NM_001286366	MAP7D1	MAP7 domain containing 1	1.318754339	1.243154274	60.499154	79.812368	70.864793	7.69000425	8.08749504	8.00264636	8068	14216	12336
339942	NR_026991	H1FX-AS1	H1FX antisense RNA 1	2.287303009	1.243088839	0.802745	1.850854	0.942063	1.44997615	2.31185141	1.65707652	68	208	104
80207	NM_001017989,NM_025136	OPA3	OPA3, outer mitochondrial memb	-1.051691345	1.242925401	4.857251	4.760851	5.317956	5.02044968	4.9500279	5.32550055	1235	1569	1888
163732	NM_133467	CITED4	Cbp/p300 interacting transactivat	-1.182557755	1.242886832	28.240679	23.906006	32.992569	5.19009033	4.95535656	5.49606391	1394	1575	2131
10311	NM_001331018,NM_001331021	DSCR3	DSCR3 arrestin fold containing	-1.357520335	1.242870642	9.668646	7.041907	11.130191	4.98375716	4.55894904	5.28852158	1203	1184	1839
440026	NM_001165030,NM_015012,NR	TMEM41B	transmembrane protein 41B	-1.595668522	1.242759904	43.558329	27.640126	51.284215	7.02785197	6.36024357	7.33924454	5084	4257	7771
83787	NM_001161009,NM_001161010	ARMC10	armadillo repeat containing 10	-1.33358273	1.242748327	11.192839	8.354362	12.954031	4.81908641	4.4206818	5.12263165	1069	1071	1634
6118	NM_001286076,NM_001297558	RPA2	replication protein A2	1.131639294	1.242539658	22.294785	24.85425	25.463182	5.32912486	5.50336969	5.63541459	1539	2327	2352
9811	NM_001142397,NM_014772	CTIF	cap binding complex dependent	-1.029169067	1.242504329	2.302729	2.251321	2.725797	3.8142098	3.77571017	4.10736121	513	666	784
221294	NM_152729	NT5DC1	5'-nucleotidase domain containin	1.101624936	1.242366324	6.246424	6.896811	7.296343	4.3257022	4.45870114	4.62472899	748	1101	1143
11078	NM_001039141,NM_007032,NM	TRIOBP	TRIO and F-actin binding protein	1.244324198	1.242276787	43.470837	46.148353	49.110326	7.17191304	7.485315	7.48295272	5622	9347	8590
5920	NM_004585	RARRES3	retinoic acid receptor responder	-1.329128196	1.242187692	52.209118	39.312077	60.947594	5.31811369	4.91945464	5.62394919	1527	1535	2333
60528	NM_001165962,NM_018127,NM	ELAC2	elaC ribonuclease Z 2	1.097305009	1.242137538	7.922768	8.809743	9.327438	4.92327834	5.05303203	5.22683144	1152	1689	1760
10327	NM_001202413,NM_001202414	AKR1A1	aldo-keto reductase family 1 mer	-1.119861434	1.241986635	25.52083	22.993121	29.89035	5.24538562	5.08660446	5.55062723	1450	1730	2215
5608	NM_001330450,NM_002758	MAP2K6	mitogen-activated protein kinase	11.46879459	1.241894382	0.230396	1.45424	0.277254	0.5190475	2.58366954	0.62147005	17	262	26
158572	NR_026742	USP27X-AS1	USP27X antisense RNA 1 (head	2.893765435	1.241894382	0.189443	0.563924	0.223657	0.5190475	1.1751656	0.62147005	17	66	26
101927056	NR_125395,NR_125396	LOC101927056	uncharacterized LOC101927056	3.76876841	1.241894382	0.564276	2.47843	0.775792	0.5190475	1.40024122	0.62147005	17	86	26
55741	NM_001145025,NM_018217,NR	EDEM2	ER degradation enhancing alpha	1.139364007	1.241893051	17.869259	20.819398	21.569418	5.16060006	5.3439002	5.46528578	1365	2078	2085
80235	NM_025163	PIGZ	phosphatidylinositol glycan ancho	1.301370996	1.241795484	3.650836	4.761793	4.265407	3.42699388	3.77571017	3.71313983	383	666	585
25821	NM_001123226,NM_012123,NM	MTO1	mitochondrial tRNA translation op	1.125531754	1.241593883	5.671758	6.385984	6.649011	4.12340669	4.28477699	4.41944907	645	970	985

4292	NM_000249,NM_001167617,NM	MLH1	mutL homolog 1	1.271022385	1.241381652	8.635407	11.154239	10.091211	4.54146649	4.87422123	4.84135097	875	1486	1336
55738	NM_001281482,NM_001281483	ARFGAP1	ADP ribosylation factor GTPase	-1.022632474	1.241322807	46.306809	45.26752	53.726933	7.18232368	7.15026011	7.49227519	5663	7399	8646
3661	NM_001197122,NM_001197123	IRF3	interferon regulatory factor 3	1.143256697	1.241314856	61.723426	71.133103	71.598156	6.60973804	6.80104024	6.91874074	3795	5797	5794
126353	NM_173481,NR_135168	MISP	mitotic spindle positioning	-1.439662629	1.241288804	35.787381	24.191856	41.042999	6.62545522	6.10611716	6.93445897	3837	3561	5858
154743	NM_152556	BMT2	base methyltransferase of 25S rF	1.10632639	1.241048605	1.367589	1.517845	1.59776	2.64904502	2.77260719	2.91535666	207	306	316
27433	NM_001085347,NM_001134430	TOR2A	torsin family 2 member A	-1.001316537	1.240930619	10.592963	9.790707	11.912973	4.12551355	4.12372395	4.42084462	646	862	986
57192	NM_020533	MCOLN1	mucolipin 1	1.106097189	1.240746378	6.202837	6.86794	7.240368	3.7744826	3.90984055	4.06514778	498	736	760
146540	NM_152458	ZNF785	zinc finger protein 785	1.524586083	1.240712063	2.145881	3.273247	2.498435	2.96832247	3.5120557	3.24338068	268	546	409
4893	NM_002524	NRAS	NRAS proto-oncogene, GTPase	1.170947365	1.240682935	10.96606	12.8536	12.781712	5.60153485	5.8248786	5.90691023	1867	2921	2849
90441	NM_033414	ZNF622	zinc finger protein 622	1.382866404	1.240673089	8.011481	11.101068	9.355625	3.82979934	4.2691718	4.12116227	519	959	792
6891	NM_000544,NM_001290043,NM	TAP2	transporter 2, ATP binding casse	-1.012906171	1.240175587	13.572683	13.464929	15.453312	6.2163926	6.19814177	6.52318535	2880	3799	4393
163049	NM_153358	ZNF791	zinc finger protein 791	1.223468201	1.240167637	5.364933	6.572662	6.255579	3.81159508	4.08373346	4.10215159	512	837	781
161424	NM_001286367,NM_174913	NOP9	NOP9 nucleolar protein	1.453003453	1.23961037	7.020568	10.22076	8.178597	5.40306784	5.93146604	5.70636801	1622	3149	2473
153684	NR_015447	LOC153684	uncharacterized LOC153684	2.316669953	1.239558997	0.210427	0.507945	0.254735	0.56944351	1.08728891	0.6785857	19	59	29
6794	NM_000455	STK11	serine/threonine kinase 11	1.157589551	1.239489904	24.115318	27.942934	28.090954	6.28397262	6.49258082	6.59014764	3020	4671	4604
57589	NM_001135920,NM_001206557	RIC1	RIC1 homolog, RAB6A GEF com	1.199220822	1.239170084	5.007665	6.101059	5.722902	4.98259535	5.23711295	5.28316064	1202	1926	1832
54929	NM_001256766,NM_017814	TMEM161A	transmembrane protein 161A	1.037342711	1.239015359	22.734886	23.598417	26.644925	5.37323474	5.42487721	5.67571782	1588	2201	2420
3141	NM_000411,NM_001242784,NM	HLCS	holocarboxylase synthetase	-1.047020551	1.238975715	4.665261	4.479181	6.204391	5.02044968	4.95624277	5.32102311	1235	1576	1882
53916	NM_016154	RAB4B	RAB4B, member RAS oncogene	-1.445297829	1.238950529	16.576506	11.481027	19.311481	4.33665583	3.83665412	4.63197698	754	697	1149
83548	NM_031431	COG3	component of oligomeric golgi co	-1.072009226	1.238871182	5.867599	5.478852	6.829742	4.76875136	4.67222953	5.06756652	1031	1285	1571
8291	NM_001130455,NM_001130976	DYSF	dysferlin	1.302555247	1.238870948	1.570679	2.041904	1.882392	3.54817338	3.90066256	3.83329054	420	731	640
4849	NM_014516	CNOT3	CCR4-NOT transcription comple	-1.033266737	1.238707606	27.326067	26.474558	31.812202	6.28208505	6.23548722	6.587354	3016	3900	4595
55355	NM_001282962,NM_001282963	HJURP	Holliday junction recognition prot	1.073793534	1.238684212	58.799853	63.20616	68.579346	7.49886488	7.60103475	7.80613996	7062	10132	10759
29919	NM_001276342,NM_001318707	C18orf8	chromosome 18 open reading fra	-1.112152171	1.238277724	18.085502	16.21096	20.174186	5.25022117	5.10110034	5.55126453	1455	1748	2216
65266	NM_001321299,NM_032387	WNK4	WNK lysine deficient protein kina	-1.691574178	1.238107327	3.420362	2.034367	3.981946	3.90040276	3.20717639	4.18989199	547	432	833
84818	NM_001203263,NM_001203264	IL17RC	interleukin 17 receptor C	-1.216080677	1.238097114	7.195832	5.949137	8.412051	4.19336823	3.9280232	4.48629114	679	746	1034
10954	NM_006810,NR_028444	PDIA5	protein disulfide isomerase family	1.324383806	1.238064135	15.582363	20.609006	18.050506	4.85635215	5.24945643	5.15485706	1098	1943	1672
7375	NM_001251877,NM_003363,NM	USP4	ubiquitin specific peptidase 4	1.011782502	1.237960209	8.213516	8.204059	9.509313	5.04736934	5.06376177	5.34694775	1259	1702	1917
79946	NM_024886	C10orf95	chromosome 10 open reading fra	1.175218372	1.237665903	0.364642	0.436769	0.422078	0.61813834	0.70406985	0.73352601	21	33	32
100128893	NR_102763	GATA6-AS1	GATA6 antisense RNA 1 (head t	1.104300296	1.237665903	0.292805	0.334986	0.346637	0.61813834	0.669904	0.73352601	21	31	32
1657	NM_001290321,NM_001290322	DMXL1	Dmx like 1	1.123487721	1.237630884	2.728246	3.157383	3.56398	5.12102205	5.28445497	5.42064411	1327	1992	2020
5504	NM_001291504,NM_001291505	PPP1R2	protein phosphatase 1 regulatory	1.239470148	1.237615667	21.414146	26.58452	24.899517	6.19548549	6.50141107	6.4992752	2838	4700	4320
122773	NM_172193	KLHDC1	kelch domain containing 1	-1.023069128	1.237580216	1.300551	1.273895	1.50987	2.14180175	2.11639955	2.38534784	134	175	204
51102	NM_001024732,NM_001349711	MECR	mitochondrial trans-2-enoyl-CoA	1.005680052	1.237558162	8.547023	8.349675	9.904483	4.47692439	4.48473082	4.77196635	835	1122	1271
197320	NM_001201407,NM_182531,NR	ZNF778	zinc finger protein 778	1.292351513	1.23742841	1.81152	2.362127	2.130949	2.87623322	3.20120812	3.1454863	249	430	379
9364	NM_001017979,NM_001159601	RAB28	RAB28, member RAS oncogene	1.155519409	1.23739686	7.972599	9.37629	9.498716	3.89793981	4.09343276	4.18661421	546	843	831
91147	NM_001142301,NM_153704,NR	TMEM67	transmembrane protein 67	2.075645872	1.237353199	2.673321	5.292474	3.033876	3.58844358	4.57864948	3.872576	433	1201	659
3312	NM_006597,NM_153201	HSPA8	heat shock protein family A (Hsp	1.016155134	1.237318987	207.510348	211.180132	241.337853	8.95717274	8.98024739	9.26383497	19474	26440	29636
25819	NM_012118	NOCT	nocturnin	1.749575156	1.237122949	2.72016	4.78126	3.172144	2.64904502	3.35427048	2.9113909	207	484	315
23358	NM_015306	USP24	ubiquitin specific peptidase 24	1.008037408	1.237093186	9.606129	9.693834	11.169046	6.67304593	6.68448268	6.97729571	3967	5343	6036
9688	NM_001242795,NM_001242796	NUP93	nucleoporin 93	1.192640298	1.23674601	31.77253	37.952685	36.947501	6.51447631	6.76609107	6.81801022	3550	5657	5400
6195	NM_001006665,NM_001330441	RPS6KA1	ribosomal protein S6 kinase A1	-1.100554004	1.23672233	18.981533	17.30145	22.063555	5.91034682	5.77452033	6.21228282	2322	2819	3532
22862	NM_001079673,NM_001278438	FNDC3A	fibronectin type III domain contai	-1.235718463	1.236455555	6.822468	5.314797	7.926376	5.37323474	5.07604389	5.6727924	1588	1717	2415
90161	NM_001077188,NM_147175	HS6ST2	heparan sulfate 6-O-sulfotransfer	1.671944408	1.236333356	4.575573	7.661008	5.391256	4.4162598	5.13044769	4.70939036	799	1785	1215
6181	NM_021107,NM_033362,NM_03	MRPS12	mitochondrial ribosomal protein S	1.005019012	1.236322499	25.770076	26.122844	30.016273	4.75112025	4.75807621	5.04692788	1018	1367	1548
26524	NM_014572	LATS2	large tumor suppressor kinase 2	-1.733819063	1.23611744	5.678165	6.595464	4.927715	4.98375716	4.72279084	5.28085698	1203	927	1829
5500	NM_002709,NM_206876	PPP1CB	protein phosphatase 1 catalytic s	1.169042316	1.236099563	31.357077	37.820685	36.741591	7.25965677	7.48362566	7.56365752	5977	9336	9087
25798	NM_001159491,NM_015379	BRI3	brain protein I3	-1.79800369	1.236033185	66.996117	37.318614	77.801749	5.71571556	4.89100283	6.01619629	2024	1504	3077
57001	NM_020186	SDHAF3	succinate dehydrogenase complex	-1.005440644	1.235719921	2.8529	2.83971	3.316737	2.75082071	2.74415527	3.01481644	225	299	342
5441	NM_021128	POLR2L	RNA polymerase II subunit L	1.329185025	1.235627568	40.767365	54.266682	47.361317	5.16162707	5.56217955	5.45918641	1366	2426	2076
101928673	NR_125960	LOC101928673	uncharacterized LOC101928673	-1.494603819	1.235485367	1.073718	0.719288	1.244758	1.54118428	1.18729361	1.74883089	75	67	114
113730	NM_138433	KLHDC7B	kelch domain containing 7B	-1.08218088	1.23511057	2.273094	2.097585	2.634348	2.93026199	2.83174937	3.19852188	260	321	395
65264	NM_023079	UBE2Z	ubiquitin conjugating enzyme E2	1.164031536	1.234832074	49.486061	57.670944	57.431484	7.24446976	7.46226223	7.54697931	5914	9198	8982
91404	NM_178123	SESTD1	SEC14 and spectrin domain cont	1.45430122	1.234798292	2.333942	3.399914	2.710804	4.63020414	5.15226631	4.92339112	933	1813	1417
108783654	NR_144402	LOC108783654	uncharacterized LOC108783654	1.196322873	1.234717421	4.4259	5.305467	5.142568	3.48721804	3.72461474	3.76680378	401	641	609
101927599	NR_110703,NR_110704,NR_11	ZNF529-AS1	ZNF529 antisense RNA 1	-1.27126361	1.234680988	1.85685	1.380707	2.056186	1.59082596	1.36863803	1.80120704	79	83	120
112398	NM_053046,NM_080732	EGLN2	egl-9 family hypoxia inducible fac	1.063874713	1.234524351	19.785305	21.066525	22.946192	5.40999864	5.49729379	5.70751197	1630	2317	2475
8911	NM_001003406,NM_021096	CACNA1I	calcium voltage-gated channel su	2.610204256	1.23401083	0.363441	0.95	0.419813	2.18284609	3.35695728	2.42483178	139	485	211
29985	NM_144564,NM_213568	SLC39A3	solute carrier family 39 member 3	1.323943141	1.233965575	15.422352	20.397719	17.947624	4.70818633	5.09949686	5.00101595	987	1746	1498
1326	NM_001244134,NM_001320961	MAP3K8	mitogen-activated protein kinase	-2.618183553	1.233882253	3.718296	1.389615	4.290458	3.47073972	2.278228	3.74913666	396	202	601
5255	NM_001122670,NM_001172436	PHKA1	phosphorylase kinase regulatory	-1.1972216	1.233478222	6.217585	5.143366	7.115558	5.22686128	4.97478832	5.62230395	1431	1597	2171
2067	NM_001166049,NM_001983,NM	ERCC1	ERCC excision repair 1, endonuc	1.203841834	1.233432386	33.259693	43.62392	43.554763	6.15377238	6.44799247	6.45282202	2756	4433	4181
8724	NM_001300928,NM_001300929	SNX3	sorting nexin 3	1.249878144	1.233331822	24.140875	30.02927	27.524207	5.37854443	5.69340099	5.67454836	1594	2662	2418
55798	NM_018396	METTL2B	methyltransferase like 2B	-1.286928288	1.233267887	8.160812	6.342896	9.461256	4.19737984	3.85577671	4.48495752	681	707	1033
4773	NM_001136021,NM_001258292	NFATC2	nuclear factor of activated T-cells	-1.64317937	1.233235271	1.335352	0.814756	1.547384	3.43381096	2.80050884	3.71085992	385	313	584
254531	NM_153613	LPCAT4	lysophosphatidylcholine acyltrans	-1.443332372	1.233231353	46.495781	32.251339	53.89106	6.44952833	5.92740459	6.74885548	3392	3140	5145
10460	NM_006342	TACC3	transforming acidic coiled-coil co	1.135879353	1.233214555	123.120865	140.008728	142.680145	8.41400964	8.59731456	8.71563565	13352	20264	20252
1974	NM_001967	EIF4A2	eukaryotic translation initiation fa	-1.109242346	1.232943576	512.698059	462.719177	594.02301	9.98333037	9.73392218	10.18514933	37040	44616	56169
83481	NM_031308	EPPK1	epiplakin 1	-1.08426834	1.232939213	0.68884	0.63582	0.797321	2.67229041	2.57446443	2.9311116	211	260	320
58499	NM_001347997,NM_021224	ZNF462	zinc finger protein 462	1.615639935	1.232763259	2.893296	4.606826	3.310783	4.82946313	5.50215656	5.12177381	1077	2325	1633
1961	NM_001965	EGR4	early growth response 4	7.023379751	1.2326949	0.319385	2.253543	0.36887	0.79797761	2.63327382	0.93448595	29	273	44
142678	NM_001170686,NM_001170687	MIB2	mindbomb E3 ubiquitin protein lig	1.547971026	1.232493771	9.029561	13.965549	10.475447	4.81778406	5.42998986	5.10971027	1068	2209	1619
23239	NM_194449	PHLPP1	PH domain and leucine rich repe	1.122195496	1.232474028	3.461109	3.892014	4.012032	4.49984402	4.65922688	4.78935776	849	1273	1287
5347	NM_005030	PLK1	polo like kinase 1	1.365080572	1.232315165	45.801373	62.593166	53.043335	6.68023021	7.12545937	6.97895459	3987	7272	6043
9261	NM_004759,NM_032960	MAPKAPK2	mitogen-activated protein kinase-	1.158270018	1.232135309	19.900843	23.603633	22.945323	5.99113594	6.20001348	6.28802941	2458	3804	3725
5129	NM_002596,NM_212502,NM_21	CDK18	cyclin dependent kinase 18	1.052963825	1.231990413	14.918555	15.675343	17.254018	5.54913078	5.62204021	5.84432468	1799	2531	2726
6482	NM_003033,NM_173344	ST3GAL1	ST3 beta-galactoside alpha-2,3-s	1.052777853	1.231797257	18.380443	19.358392	21.171197	6.9419944	7.0156087	7.24055586	4788	6735	7254
7164	NM_001003395,NM_001003396	TPD52L1	tumor protein D52 like 1	1.115286146	1.231741047	11.28591	12.686402	13.187278	4.67979317	4.83139279	4.96989347	1441	1441	1465
94101	NM_001128150,NM_016467	ORMDL1	ORMDL sphingolipid biosynthesi	1.148186488	1.231450732	16.2627	18.847113	19.378263	5.12734384	5.32137849	5.41994641	1333	2045	2019
101927204	NR_110184	LOC101927204	uncharacterized LOC101927204	-1.345694677	1.231265761	3.20895	2.390774	3.712763	3.00540462	2.63769986	3.27149895	276	274	418
257218	NM_001042683,NM_173082	SHPRH	SNF2 histone linker PHD RING h	1.00557297	1.231230785	1.856817	1.870957	2.152525	3.83495865	3.84241755	4.11600233	521	700	789
641808	NM_146190	FAM185BP	family with sequence similarity 18	-1.29558159	1.231110157	0.245538	0.188163	0.284682	0.88013425	0.72085408	1.02535867	33	34	50
100506046	NR_037605	GAS5-AS1	GAS5 antisense RNA 1	1.314410648	1.231110157	1.220466	1.618041	1.422111	0.88013425	1.07428646	1.02535867	33	58	50
100913187	NM_001193289	APOBEC3A_B	APOBEC3A and APOBEC3B del	1.608295428	1.231110157	0.764135	1.245458	0.90493	0.88013425	1.23481109	1.02535867	33	71	50
9520	NM_001330257,NM_006310	NPEPPS	aminopeptidase puromycin sensi	-1.405487764	1.231061662	114.699075	81.802287	133.140209	8.92207415	8.43220545	9.22142044	19005	18067	28776
646962	NM_001039792	HRCT1	histidine rich carboxyl terminus 1	-2.14819489	1.23100638	3.847984	1.793666	4.444915	2.19091668	1.41062362	2.43038515	140	87	212
26509	NM_013451,NM_133337	MYOF	myoferlin	-2.070050773	1.230976433	102.156773	49.347696	118.107616	9.40627192	8.35887293	9.7056772	26600	17169	40273
26128	NM_015634	KIF1BP	KIF1 binding protein	-1.444069825	1.230904695	18.413702	12.764444	21.301001	5.54362658	5.027119	5.83754849	1792	1658	2713
129685	NM_138572	TAF8	TATA-box binding protein associ	1.031982097	1.230771575	3.716701	3.8429	4.300112	4.05872616	4.10146599	4.34201172	615	848	931
7531	NM_006761,NR_024058	YWHAE	tyrosine 3-monooxygenase/tryptc	1.198337709	1.230683671	180.112705	216.102945	208.350254	8.32925955	8.58955351	8.6278809	12588	20155	19054
1523	NM_001202543,NM_001202544	CUX1	cut like homeobox 1	-1.24684154	1.230561345	6.72413	5.218639	9.826843	5.52937575	5.21876673	5.8228446	1774	1901	2685
134553	NM_001135586,NM_001300894	C5orf24	chromosome 5 open reading fran	1.327970335	1.230476241	7.94685	9.28734	8.910323	5.09545415	5.49424621	5.38676798	1303	2312	1972
10999	NM_005094	SLC27A4	solute carrier family 27 member 4	1.066529752	1.230398257	8.892999	9.499129	10.283557	4.84232994	4.93212219	5.13203431	1087	1549	1645
11034	NM_001011546,NM_006870	DSTN	destrin, actin depolymerizing fact	1.155505787	1.230393685	132.683014	154.731953	155.050329	7.73122812	7.93884108	8.02907983	8303	12819	12565
5524	NM_001193397,NM_001271832	PTPA	protein phosphatase 2 phosphata	1.0777267	1.230050731	34.279909	37.176858	39.787385	6.53720732	6.64408099	6.83302529	3607	5194	5457
10559	NM_001168398,NM_006416	SLC35A1	solute carrier family 35 member A	-4.476454684	1.229975617	73.493448	16.552563	84.644398	7.09120758	4.96507495	7.38786329	5314	1586	8039
10383	NM_006088	TUBB4B	tubulin beta 4B class IVb	1.131748951	1.229946474	1069.345459	1211.567993	1235.959473	10.69476057	10.87321349	10.99319383	65033	98340	98379
105376382	NR_134491	LOC105376382	uncharacterized LOC105376382	-2.893558532	1.229935206	2.798033	0.952985	3.255979	1.55375576	0.73744528	1.75769337	76	35	115
57492	NM_001346813,NM_017519,NM	ARID1B	AT-rich interaction domain 1B	1.096314303	1.22990277	3.582893	3.951514	4.198745	5.13049438	5.25954295	5.42134148	1336	1957	2021

94059	NM_001301782,NM_198988	LENG9	leukocyte receptor cluster membe	-1.795079121	1.229442911	1.640927	0.917199	1.891446	2.02927762	1.44132992	2.25996639	121	90	183
57026	NM_020315	PDXP	pyridoxal phosphatase	1.587948845	1.228753071	9.210092	14.641226	10.632506	4.24660587	4.88543063	4.52962301	706	1498	1067
91252	NM_001128225,NM_001330245	SLC39A13	solute carrier family 39 member	-1.232373718	1.228744173	6.84781	5.505846	8.067019	4.06532627	3.78372009	4.34642459	618	670	934
3139	NR_027822	HLA-L	major histocompatibility complex,	-1.1722642	1.228732256	0.486629	0.411957	0.558293	1.67378945	1.52015496	1.88448459	86	98	130
23595	NM_001197259,NM_012381,NM	ORC3	origin recognition complex subun	1.201992898	1.228666032	11.846789	14.220723	13.625916	4.93293448	5.19042586	5.22123584	1160	1863	1753
64419	NM_001077525,NM_001077526	MTMR14	myotubularin related protein 14	1.280773805	1.228524956	7.874518	10.090258	9.010729	4.28103662	4.62173661	4.56413316	724	1239	1094
23322	NM_001127897,NM_001308334	RPGRIP1L	RPGRIP1 like	2.139494336	1.228208128	3.030395	5.734199	2.971548	3.6915876	4.72829618	3.96730515	468	1338	707
1352	NM_001303	COX10	COX10, heme A:farnesyltransfer	1.133832782	1.22819028	2.027033	2.304921	2.343332	2.79384765	2.95035633	3.05131575	233	353	352
5890	NM_001321809,NM_001321810	RAD51B	RAD51 paralog B	1.329423106	1.228098891	6.3091	8.500139	8.258188	3.70855202	4.09182073	3.98439467	474	842	716
100507459	NR_109990	NRSN2-AS1	NRSN2 antisense RNA 1	1.575834021	1.227953959	1.759365	2.774416	2.033765	1.76310734	2.255369	1.97845985	94	198	142
3209	NM_000522	HOXA13	homeobox A13	1.472953101	1.227779629	0.996423	1.47031	1.147589	1.78459878	2.20257223	2.0010274	96	189	145
23403	NM_001080469,NM_001329632	FBXO46	F-box protein 46	-1.027421589	1.227637625	10.071602	9.776748	11.642684	5.10081829	5.06293923	5.38890871	1308	1701	1975
55114	NM_001006634,NM_018054	ARHGAP17	Rho GTPase activating protein 1	2.82478505	1.227596692	3.445531	9.840167	4.071248	5.03732524	5.07032524	3.92268941	453	1710	684
4323	NM_004995	MMP14	matrix metallopeptidase 14	-4.165023078	1.227576149	25.867729	6.212952	29.841703	6.51608321	4.50667419	6.80897888	3554	1140	5366
9392	NM_001142621,NM_001328646	TGFBRAP1	transforming growth factor beta r	1.727132909	1.227573357	4.080139	6.91037	4.657032	4.51920371	5.28092234	4.80333552	861	1987	1300
64393	NM_022470,NM_152240	ZMAT3	zinc finger matrin-type 3	1.158229016	1.227558883	1.604887	1.876358	1.844422	3.92480368	4.12372395	4.20292915	557	862	841
140700	NM_080621	SAMD10	sterile alpha motif domain contair	1.106128171	1.227516183	9.787987	10.835093	11.284318	4.44522507	4.5843929	4.72867518	816	1206	1232
5870	NM_001243718,NM_001243719	RAB6A	RAB6A, member RAS oncogene	1.051347612	1.227495228	30.842123	31.924476	34.244173	6.6291723	6.700702	6.92219377	3847	5404	5808
144245	NM_001013620,NM_001308340	ALG10B	ALG10B, alpha-1,2-glucosyltrans	-1.099578972	1.227392579	3.551095	3.373461	4.138852	5.08899074	4.95624277	5.37673573	1297	1576	1958
84838	NM_001329733,NM_032752	ZNF496	zinc finger protein 496	-1.195831667	1.227180547	11.184752	9.346194	13.107303	5.8606208	5.60744732	6.15137779	2242	2505	3384
5690	NM_001199779,NM_001199780	PSMB2	proteasome subunit beta 2	1.255286541	1.227156079	36.84138	45.296775	41.044834	7.35297208	7.67919788	7.64666103	6379	10699	9628
100302692	NR_028379	FTX	FTX transcript, XIST regulator (n	-1.135381379	1.227048332	0.555589	0.495568	0.652537	1.2010231	1.10017522	1.37552141	51	60	77
22879	NM_001286639,NM_001286640	MON1B	MON1 homolog B, secretory traff	-1.066877301	1.227019317	14.459798	13.249316	16.28159	5.54913078	5.45779006	5.83859305	1799	2253	2715
283596	NR_001459,NR_003138	SNHG10	small nucleolar RNA host gene 1	1.218671854	1.226909149	16.525239	19.535775	16.408658	4.63907992	4.91399145	4.92339112	939	1529	1417
9798	NM_001270975,NM_001270976	IST1	IST1, ESCRT-III associated factc	-1.166982345	1.226898701	59.751093	51.037783	66.749995	7.83658282	7.61485073	8.13043461	8935	10230	13483
6497	NM_003036	SKI	SKI proto-oncogene	1.297092397	1.226848237	6.646808	8.62845	7.661821	5.24538562	5.61195318	5.53331305	1450	2513	2188
54540	NM_001190946,NR_024019	FAM193B	family with sequence similarity 19	-1.410854227	1.22677464	34.073191	25.641163	38.994875	7.17750857	6.68501736	7.47054062	5644	5345	8516
2033	NM_001429	EP300	E1A binding protein p300	1.226146862	1.226640913	6.173174	7.579863	7.118069	5.74615826	6.03533764	6.03591064	2068	3388	3120
3185	NM_001098204,NM_001098205	HNRNPF	heterogeneous nuclear ribonucle	-1.178014978	1.226612071	113.717872	97.003351	131.717213	8.22012139	7.98462215	8.51390891	11668	13234	17603
60682	NM_001044305,NM_001281439	SMAP1	small ArfGAP 1	1.200523759	1.226470322	4.672752	5.616116	5.383499	3.99331833	4.24181329	4.27105417	586	940	884
81558	NM_030802	FAM117A	family with sequence similarity 11	1.055180702	1.226446877	6.509243	6.877799	7.508896	3.99792567	4.07069878	4.27568916	588	829	887
57614	NM_001346229,NM_001346230	KIAA1468	KIAA1468	1.060929186	1.226424022	5.855339	6.183828	6.742879	5.02947882	5.11227506	5.31578181	1243	1762	1875
2584	NM_000154	GALK1	galactokinase 1	-1.194106803	1.226155996	11.791138	9.890813	13.59304	4.05651939	3.81727465	4.33462681	614	687	926
2937	NM_000178,NM_001322494,NM	GSS	glutathione synthetase	1.120866891	1.225987221	53.369864	60.197645	62.658758	6.68166279	6.84476562	6.97302126	3991	5977	6018
79794	NM_024738	C12orf49	chromosome 12 open reading fra	-1.339886556	1.225937513	3.461617	2.58766	3.991219	4.23299104	3.83665412	4.51270791	699	697	1054
4778	NM_001136023,NM_001261461	NFE2	nuclear factor, erythroid 2	-3.381787658	1.225825665	0.879561	0.259513	1.081763	1.35261029	0.54351856	1.53866543	61	24	92
55876	NM_001042471,NM_001165958	GSDMB	gasdermin B	-1.041720534	1.225457254	38.556433	36.909993	44.328025	5.92493645	5.86695581	6.21389375	2346	3009	3536
5471	NM_002703	PPAT	phosphoribosyl pyrophosphate a	1.512972133	1.225290608	8.510939	12.893148	9.800693	4.98607799	5.56798878	5.27083173	1205	2436	1816
23139	NM_001319245,NM_001324320	MAST2	microtubule associated serine/thr	-1.329386053	1.225268176	23.423258	17.55713	26.960738	7.04297863	6.63580778	7.33406914	5138	5164	7743
4791	NM_001077494,NM_001261403	NFKB2	nuclear factor kappa B subunit 2	-1.29741921	1.224886458	35.443094	27.511911	39.237934	6.80772276	6.43589271	7.09801125	4359	4489	6567
2800	NM_002077	GOLGA1	golgin A1	1.08243312	1.224699817	8.477429	9.1826	9.755043	5.36790544	5.47952756	5.65392788	1582	2288	2383
5713	NM_002811	PSMD7	proteasome 26S subunit, non-AT	-1.000651969	1.22468995	87.084549	87.138718	100.236099	7.15602603	7.15509232	7.4465908	5560	7424	8375
79679	NM_001253849,NM_001253850	VTCN1	V-set domain containing T-cell ac	1.257003164	1.224660868	0.714867	0.898612	0.96409	1.54118428	1.76638114	1.73991364	75	126	113
23093	NM_015072	TTLL5	tubulin tyrosine ligase like 5	-1.040168755	1.224652839	5.255511	5.058506	6.048476	4.66393542	4.6093958	4.94586061	956	1228	1440
55631	NM_001308097,NM_017769	G2E3	G2/M-phase specific E3 ubiquitin	-1.026547253	1.224472571	14.956905	14.59621	17.209537	6.41721445	6.37986127	6.70628577	3316	4316	4994
440288	NR_038448,NR_038449,NR_12(	UBL7-AS1	UBL7 antisense RNA 1 (head to	-1.011449462	1.224439866	2.954126	2.903433	3.277642	2.3579234	2.34470901	2.59766727	162	214	244
9686	NM_001128219,NM_001128220	VGLL4	vestigial like family member 4	1.010832238	1.224401814	5.128161	5.211539	6.043448	4.33483599	4.34961533	4.61378826	753	1017	1134
51442	NM_016267	VGLL1	vestigial like family member 1	-1.774173666	1.224270379	59.548744	33.597095	68.511215	6.15892439	5.34728212	6.44715375	2766	2083	4165
100302143	NR_031650	MIR1248	microRNA 1248	-1.01529584	1.224016733	66.283791	65.404274	76.258125	2.9730102	2.95391015	3.23070557	269	354	405
645212	NR_034170,NR_034171	EIF3J-AS1	EIF3J antisense RNA 1 (head to	-1.043546899	1.224007952	7.027485	7.259667	8.533474	3.64828273	3.59177559	3.91874377	453	580	682
1690	NM_001135058,NM_001347720	COCH	cochlin	-2.42563167	1.223727535	25.807122	10.553135	29.009199	6.14341284	4.89378089	6.43096978	2736	1507	4118
10189	NM_005782	ALYREF	Aly/REF export factor	1.3248583	1.223671472	70.872147	93.990059	81.490913	6.26115717	6.66238832	6.54894104	2972	5261	4473
5888	NM_001164269,NM_001164270	RAD51	RAD51 recombinase	1.04544603	1.223520497	5.792009	6.054069	6.687472	3.80372238	3.86335533	4.0758175	509	711	766
4010	NM_001174146,NM_001174147	LMX1B	LIM homeobox transcription facto	-2.277473342	1.223429653	0.441336	0.192973	0.508087	1.81624731	1.07428646	2.03057861	99	58	149
1846	NM_001394,NM_057158	DUSP4	dual specificity phosphatase 4	1.339516089	1.223423955	7.82441	10.437716	8.998294	5.45593034	5.86931011	5.74085701	1684	3014	2534
81631	NM_022818	MAP1LC3B	microtubule associated protein 1	1.295020394	1.22340982	39.939281	51.771725	45.909569	6.49138142	6.86070859	6.77936636	3493	6044	5256
5591	NM_001081640,NM_006904	PRKDC	protein kinase, DNA-activated, ca	-1.759383398	1.223263773	29.250865	16.650769	33.625225	8.5907267	7.77848791	8.88078104	15097	11465	22714
9060	NM_001015880,NM_004670	PAPSS2	3'-phosphoadenosine 5'-phosphc	1.642841114	1.22315832	1.486786	2.455473	1.71614	2.72326229	3.35157866	2.973571	220	483	331
6491	NM_001048166,NM_001282936	STIL	SCL/TAL1 interrupting locus	-1.278655969	1.222960863	13.101138	10.258458	14.743812	6.02369529	5.67521634	6.31003667	2515	2628	3783
10147	NM_001017392,NM_001321697	SUGP2	SURP and G-patch domain conta	-1.100149111	1.222801854	29.755362	28.02337	34.052091	7.33373816	7.19693203	7.62230301	6294	7644	9466
27163	NM_001042402,NM_014435	NAA35	N-acylethanolamine acid amidas	1.188211382	1.222765851	7.107373	8.473497	8.16496	3.78518394	4.01734947	4.05619567	502	797	755
22847	NM_001136156,NM_014910	ZNF507	zinc finger protein 507	-1.133287196	1.22265843	4.014476	3.551046	4.934358	4.95561208	4.78126538	5.23716605	1179	1390	1773
11014	NM_001100603,NM_006854	KDELR2	KDEL endoplasmic reticulum pro	-1.108934562	1.222316835	76.431676	68.75433	87.409874	7.73036317	7.58192679	8.01874882	8298	9998	12475
55284	NM_001001481,NM_001271015	UBE2W	ubiquitin conjugating enzyme E2	1.03058923	1.222154069	4.544504	4.289141	4.789023	5.03956952	5.08173995	5.32102311	1252	1724	1882
54838	NM_001083913,NM_017787	WBP1L	WW domain binding protein 1 like	-1.237626363	1.222093753	8.160628	6.565061	9.371645	5.07270439	4.77525187	5.35427002	1282	1384	1927
998	NM_001039802,NM_001791,NM	CDC42	cell division cycle 42	1.111536716	1.222033174	85.971276	95.820262	98.152852	7.50757443	7.65933644	7.79542081	7105	10552	10679
1741	NM_001166278,NM_020730,NM	DLG3	discs large MAGUK scaffold prot	-1.066829696	1.221988685	14.689612	13.88021	16.425578	6.11718378	6.02523839	6.402645	2686	3364	4037
10979	NM_001134999,NM_001135000	FERMT2	fermitin family member 2	-1.956655329	1.221471118	3.235852	1.663986	3.743817	3.53555296	2.6812291	3.80150191	416	284	625
23258	NM_001243254,NM_001348748	DENND5A	DENN domain containing 5A	-1.186292056	1.221348996	7.197771	6.08356	8.39279	5.15751465	4.91854554	5.43866688	1362	1534	2046
3909	NM_000227,NM_001127717,NM	LAMA3	laminin subunit alpha 3	1.033377535	1.221322626	110.953027	119.8409	130.90908	9.3108473	9.35814156	9.59888113	24895	34373	37396
284370	NM_001199324,NM_013211317	ZNF615	zinc finger protein 615	-2.202321844	1.221303572	1.488901	0.63938	1.618856	2.72881625	1.82964782	2.9773697	221	134	332
84272	NM_032312	YIPF4	Yip1 domain family member 4	1.281178735	1.221298425	18.654631	23.936958	21.415993	5.1981206	5.54696516	5.47941817	1402	2400	2106
7090	NM_001105192,NM_001282979	TLE3	transducin like enhancer of split 3	1.480921144	1.220910482	7.645561	10.192678	7.874644	5.29770564	5.85227276	5.5790303	1505	2978	2260
2806	NM_001286220,NM_002080	GOT2	glutamic-oxaloacetic transaminas	1.013103086	1.220778421	68.121375	69.07637	78.154727	7.35880455	7.37747216	7.64502004	6405	8670	9617
6129	NM_000971	RPL7	ribosomal protein L7	1.163493949	1.22041836	829.053955	965.658691	950.804932	9.40220444	9.62036932	9.68919618	26525	41235	39815
378	NM_001660	ARF4	ADP ribosylation factor 4	-1.019012082	1.220399125	81.261253	79.831871	93.194534	7.11552582	7.08855191	7.40100416	5405	7087	8113
64645	NM_033055	MFSD14A	major facilitator superfamily dom	-1.234214998	1.220323619	15.858607	12.860827	18.186193	5.3829543	5.08741362	5.66390536	1599	1731	2400
10179	NM_001286045,NM_001286046	RBM7	RNA binding motif protein 7	-1.032925841	1.220125775	4.869427	4.703896	5.55812	4.22515306	4.18094712	4.49823858	695	899	1043
81572	NM_030815	PDRG1	p53 and DNA damage regulated	1.265989803	1.219549716	17.605801	22.307795	20.174564	4.61678723	4.94467948	4.8925416	924	1563	1386
6549	NM_003048	SLC9A2	solute carrier family 9 member A2	-1.275477358	1.219470299	1.079835	0.845367	1.23554	2.78853894	2.49375478	3.03682664	232	243	348
80313	NM_001143757,NM_001143758	LRRC27	leucine rich repeat containing 27	1.362873166	1.219356781	0.70928	1.109239	1.099019	1.94589385	2.2895231	2.16322937	112	204	168
647042	NM_001164465,NM_001322400	GOLGA6L10	golgin A6 family-like 10	-1.214347109	1.219303174	0.985523	0.814661	1.233364	1.7191395	1.52971203	1.92438744	90	99	135
23237	NM_015193	ARC	activity regulated cytoskeleton as	4.625861132	1.219152744	0.514003	2.383941	0.584648	1.30878272	2.97154911	1.4863075	58	359	87
27245	NM_001029882	AHDC1	AT-hook DNA binding motif conta	1.297645583	1.219125052	7.634776	9.920138	8.746465	5.59318572	5.96222966	5.87366563	1856	3218	2783
54331	NM_001243773,NM_001243774	GNG2	G protein subunit gamma 2	3.363091823	1.219103971	0.345474	1.175939	0.404866	1.21691895	2.4491251	1.38699077	52	234	78
56131	NM_018938	PCDHB4	protocadherin beta 4	-1.253578989	1.219042506	0.306897	0.247021	0.352698	1.11880553	0.95166931	1.28032816	46	49	69
3363	NM_000872,NM_019859,NM_01	HTR7	5-hydroxytryptamine receptor 7	-1.334925126	1.218962652	0.307269	0.228935	0.358131	1.01352966	0.81765451	1.16514558	40	40	60
284325	NM_198476	C19orf54	chromosome 19 open reading fra	-1.037522619	1.218813529	10.425868	10.063021	11.946644	4.85635215	4.80507185	5.13288607	1098	1414	1646
22839	NM_001042486,NM_014902,NM	DLGAP4	DLG associated protein 4	1.284879049	1.218800244	11.328991	15.294188	14.020551	5.38647251	5.74045883	5.66574708	1603	2752	2403
92714	NM_001317968,NM_152285	ARRDC1	arrestin domain containing 1	-1.258524393	1.218760357	80.256191	63.893912	91.767514	7.00743316	6.67858806	7.2908393	5012	5321	7513
101928820	NR_134633,NR_134634	LOC101928820	uncharacterized LOC101928820	1.175440748	1.218700686	0.263071	0.33728	0.308529	0.77668602	0.8787583	0.90287695	28	44	42
80213	NM_001307960,NM_001308026	TM2D3	TM2 domain containing 3	1.449708163	1.218559119	23.605269	34.154144	27.185828	5.00679911	5.5286127	5.28392771	1223	2369	1833
10426	NM_001286277,NM_001286278	TUBGCP3	tubulin gamma complex associat	-1.046450882	1.218542209	8.736017	8.319167	11.737403	4.98375716	4.92036316	5.26073633	1203	1536	1803
84253	NM_001286779,NM_032293,NR	GARNL3	GTPase activating Rap/RanGAP	2.205420054	1.218463078	0.151967	0.338575	0.173233	0.64188297	1.16293478	0.75138414	22	65	33
266971	NR_002319	PIPSL	PIP5K1A and PSMD4-like, pseud	1.568669535	1.218352371	0.136028	0.215919	0.157835	0.59399636	0.84852988	0.69713258	20	42	30
79935	NM_024877	CNTD2	cyclin N-terminal domain contain	-1.112763486	1.218352371	0.285435	0.252745	0.322651	0.59399636	0.54351856	0.69713258	20	24	30
3832	NM_004523	KIF11	kinesin family member 11	-1.37212638	1.218338903	20.410803	14.888677	23.367607	6.67124425	6.22007467	6.95362794	3962	3858	5937
55870	NM_018489	ASH1L	ASH1 like histone lysine methyltr	1.504442305	1.218251875	4.814643	7.250488	5.511492	5.81239274	6.39301127	6.09261172	2167	4356	3247
26807	NR_002439	SNORD43	small nucleolar RNA, C/D box 43	2.527281081	1.218217215	7.524188	19.279203	8.675838	0.54446555	1.11294744	0.64076093	18	61	27

100287098	NR_109770	TONSL-AS1	TONSL antisense RNA 1	1.493932334	1.218217215	0.382591	0.58394	0.447864	0.54446555	0.75384785	0.64076093	18	36	27
54567	NM_019074	DLL4	delta like canonical Notch ligand	3.119890505	1.218048504	0.116741	0.382571	0.138417	0.49317359	1.18729361	0.58209675	16	67	24
400	NM_001177,NM_001301068	ARL1	ADP ribosylation factor like GTP	-1.417480976	1.217870464	23.195906	16.566396	26.544395	6.21342436	5.71816702	6.49431269	2874	2709	4305
101928837	NR_120561,NR_120562	LOC101928837	uncharacterized LOC101928837	1.546153742	1.217831974	0.941689	1.585704	1.131747	0.43999062	0.63490936	0.52094563	14	29	21
7257	NM_005999	TSNAX	translin associated factor X	1.133446486	1.217704349	12.996435	14.741469	14.868413	5.10935964	5.28516046	5.3860537	1316	1993	1971
826	NM_001003962,NM_001302632	CAPNS1	calpain small subunit 1	-1.440590106	1.217621125	298.832104	201.143505	352.003772	8.69486655	8.16973555	8.97831127	16230	15053	24306
643911	NM_001308963,NR_034105,NR	CRNDE	colorectal neoplasia differentially	1.925204764	1.217543935	0.297454	0.627095	0.361313	0.38477185	0.669904	0.45708734	12	31	18
59335	NM_021619	PRDM12	PR/SET domain 12	-1.986550784	1.217543935	0.12525	0.060824	0.144298	0.38477185	0.20477631	0.45708734	12	8	18
10914	NM_001252006,NM_001252007	PAPOLA	poly(A) polymerase alpha	1.093083215	1.217253209	46.261156	50.487165	52.773786	7.65706606	7.78486215	7.93942273	7885	11516	11805
123688	NM_001013619,NM_001083612	HYKK	hydroxylysine kinase	-1.306352782	1.217142064	2.273787	1.985857	1.725348	2.46162969	2.15396266	2.69776636	177	181	265
109623476	NR_145793	SNORD160	small nucleolar RNA, C/D box 16	1.121353014	1.217141957	3.523416	3.788459	3.857765	0.3273552	0.36283659	0.39027104	10	15	15
1981	NM_001194946,NM_001194947	EIF4G1	eukaryotic translation initiation fa	1.374883457	1.216877393	129.763211	176.15472	148.986116	9.45802689	9.91677833	9.74084612	27573	50652	41268
79816	NM_001143986,NM_024760,NR	TLE6	transducin like enhancer of split (	-1.874327569	1.216760494	3.23485	1.527115	3.591081	2.29192162	1.62195412	2.52166171	153	109	229
51104	NM_001025780,NM_016014	ABHD17B	abhydrolase domain containing 1	1.278418239	1.216759967	5.186631	6.767802	5.632862	3.99331833	4.32786827	4.26018095	586	1001	877
55773	NM_001199198,NM_018309	TBC1D23	TBC1 domain family member 23	1.277781867	1.216759856	9.8124	12.583142	11.238593	5.24732179	5.59270531	5.52360351	1452	2479	2173
23244	NM_001100399,NM_001100400	PDS5A	PDS5 cohesin associated factor	-1.190765201	1.216705469	29.010137	23.4643	32.773906	7.47531018	7.22496279	7.75684956	6947	7795	10396
100506392	NR_103743,NR_103744	SLC16A1-AS1	SLC16A1 antisense RNA 1	1.125140123	1.216605256	2.940299	3.497127	3.227786	2.23060596	2.36620557	2.45783582	145	218	217
81577	NM_001243650,NM_030819,NR	GFOD2	glucose-fructose oxidoreductase	1.261063705	1.216602301	9.312877	11.745616	11.00912	4.67692288	4.99987273	4.94973287	965	1626	1444
80818	NM_001077195,NM_030634	ZNF436	zinc finger protein 436	1.370243396	1.21657566	3.196779	4.570241	3.807959	3.90776647	4.33606188	4.17342809	550	1007	823
100996455	NR_073177	LOC100996455	uncharacterized LOC100996455	-1.067926637	1.216541769	0.077729	0.083116	0.10013	0.26755841	0.25173066	0.32020933	8	10	12
101060264	NR_126415,NR_126416,NR_12	FOXP4-AS1	FOXP4 antisense RNA 1	1.582629446	1.216541769	0.343712	0.660096	0.492316	0.26755841	0.40498891	0.32020933	8	17	12
3785	NM_004518,NM_172106,NM_17	KCNQ2	potassium voltage-gated channel	2.782781154	1.216541769	0.021016	0.062415	0.023921	0.26755841	0.65251278	0.32020933	8	30	12
4066	NM_005583	LYL1	LYL1, basic helix-loop-helix famil	2.413503705	1.216541769	0.102421	0.279695	0.133485	0.26755841	0.58077243	0.32020933	8	26	12
317772	NM_175065	HIST2H2AB	histone cluster 2 H2A family mem	1.490310084	1.216541769	0.420333	0.693127	0.499176	0.26755841	0.38406669	0.32020933	8	16	12
5864	NM_002866	RAB3A	RAB3A, member RAS oncogene	1.151730765	1.216521037	2.440783	2.82127	2.804535	2.19894236	2.36086138	2.42483178	141	217	211
79939	NM_024881	SLC35E1	solute carrier family 35 member E	1.041200619	1.216430801	11.989086	12.494412	13.701435	5.91766008	5.97496603	6.19607391	2334	3247	3492
167153	NM_001114393,NM_001114394	PAPD4	poly(A) RNA polymerase D4, nor	1.05629481	1.216339573	13.761267	14.314585	15.632199	6.09531432	6.17320493	6.37411319	2645	3733	3957
5725	NM_002819,NM_031990,NM_03	PTBP1	polypyrimidine tract binding prote	1.171983547	1.216326181	135.47359	159.075318	155.363472	8.75249247	8.98095516	9.03442927	16893	26453	25272
100	NM_000022,NM_001322050,NM	ADA	adenosine deaminase	1.048584414	1.216294494	6.495669	6.824188	7.326833	3.41326233	3.47543441	3.67153991	379	531	567
389333	NM_001161546	PROB1	proline rich basic protein 1	1.24041631	1.215696109	0.886142	1.108636	1.018251	1.93632435	2.17238371	2.14982678	111	184	166
5770	NM_001278618,NM_002827	PTPN1	protein tyrosine phosphatase, no	1.080593499	1.215695472	19.272287	20.843232	22.046686	6.08452478	6.19476657	6.36254057	2625	3790	3925
84752	NM_033309	B3GNT9	UDP-GlcNAc:betaGal beta-1,3-N	1.264805079	1.215639656	7.045605	8.922519	8.054201	4.29045667	4.61389559	4.55907234	729	1232	1090
7018	NM_001063	TF	transferrin	5.042205991	1.215548794	0.056241	0.284194	0.059279	0.20517559	0.83317479	0.24657076	6	41	9
105369486	NR_135100	LOC105369486	uncharacterized LOC105369486	1.488162123	1.215548794	0.107958	0.174033	0.130312	0.20517559	0.29720487	0.24657076	6	12	9
4046	NM_001013253,NM_001013254	LSP1	lymphocyte-specific protein 1	-1.586572606	1.215548794	0.07754	0.046738	0.088448	0.20517559	0.13134883	0.24657076	6	5	9
79165	NM_024316	LENG1	leukocyte receptor cluster membe	-1.040872991	1.215318038	13.649421	13.14924	15.613182	3.7336304	3.68025029	3.99567625	483	620	722
23252	NM_015207	OTUD3	OTU deubiquitinase 3	1.503014897	1.215185159	4.854083	7.305566	5.542335	4.99070847	5.56334327	5.26385014	1209	2428	1807
84641	NM_032558	MFSD14B	major facilitator superfamily dom	1.103221381	1.215171819	43.23579	47.754177	49.373707	7.12766433	7.26842371	7.40700195	5451	8035	8147
114819	NR_023386	CROCCP3	ciliary rootlet coiled-coil, rootletin	1.380725022	1.214987134	1.317879	1.822434	1.507095	2.98234021	3.39667017	3.23070557	271	500	405
1198	NM_001130028,NM_003992	CLK3	CDC like kinase 3	-1.108116039	1.214919937	28.713072	25.760173	30.899429	6.03606811	5.89032771	6.31304598	2537	3059	3791
55716	NM_001300750,NM_001300751	LMBR1L	limb development membrane pro	1.021390446	1.214767951	10.608624	10.825016	11.962635	4.6331688	4.66248855	4.90356387	935	1276	1397
285605	NM_001308081,NM_173666	DTWD2	DTW domain containing 2	1.191642623	1.21466514	1.504231	1.793754	1.71919	3.25675288	3.48529134	3.51046477	336	535	502
7270	NM_001205296,NM_007344,NR	TTF1	transcription termination factor 1	1.29488093	1.214619406	8.893184	12.52077	10.53542	4.8216876	5.18287427	5.09317527	1071	1853	1600
11092	NM_001316897,NM_001316898	SPACA9	sperm acrosome associated 9	1.292067413	1.214500338	3.219097	4.125192	3.245215	2.85607368	3.1801226	3.10091148	245	423	366
284406	NM_001321917,NM_001321918	ZFP82	ZFP82 zinc finger protein	-1.380993676	1.214500338	1.315975	0.986945	1.678551	2.85607368	2.46415559	3.10091148	245	237	366
259266	NM_001206846,NM_018136	ASPM	abnormal spindle microtubule ass	-1.191651564	1.214457394	22.558168	19.430869	26.966894	7.79184836	7.54012965	8.07101344	8661	9711	12937
575	NM_001702	ADGRB1	adhesion G protein-coupled rece	-1.319271463	1.214260967	0.380053	0.290565	0.434917	1.61502061	1.3579479	1.80975447	81	82	121
256051	NM_001199295,NM_153263	ZNF549	zinc finger protein 549	1.318045326	1.214086352	6.138539	8.097523	7.005839	4.67979317	5.06458384	4.94973287	967	1703	1444
399474	NM_001003682,NM_001171868	TMEM200B	transmembrane protein 200B	-1.773073359	1.213901917	6.772081	3.735005	7.562805	4.13181574	3.36765473	4.39693481	649	489	969
387921	NM_001012754,NM_001017370	NHLRC3	NHL repeat containing 3	1.152942499	1.213865138	5.429402	6.146457	6.136014	4.26583542	4.46120049	4.53220782	716	1103	1069
79919	NM_001085437,NM_001282921	C2orf54	chromosome 2 open reading fran	-1.405316918	1.213816882	7.368849	5.240128	8.691084	4.25432848	3.79367035	4.52053953	710	675	1060
23304	NM_001184801,NM_015255	UBR2	ubiquitin protein ligase E3 compc	-1.038887283	1.213716673	5.699161	4.690607	5.601394	5.25600252	5.20242678	5.52879006	1461	1879	2181
114294	NM_001288585,NM_032857,NM	LACTB	lactamase beta	1.15358253	1.213683981	6.569251	7.668877	7.563505	3.92238208	4.11581404	4.18497252	556	857	830
93587	NM_001134665,NM_001134666	TRMT10A	tRNA methyltransferase 10A	1.093001559	1.213640911	2.03932	2.225223	2.317987	3.01452812	3.12759409	3.26218696	278	406	415
9823	NM_001282231,NM_014782,NM	ARMCX2	armadillo repeat containing, X-lin	7.315384361	1.213589917	0.036602	0.273023	0.041948	0.13997292	0.81765451	0.16897038	4	40	6
390205	NM_001145077	LRRC10B	leucine rich repeat containing 10I	-1.74594355	1.213589917	0.046925	0.017667	0.051906	0.13997292	0.08023518	0.16897038	4	3	6
51655	NM_001199989,NM_016084	RASD1	ras related dexamethasone induc	3.124020912	1.213589917	0.059934	0.183377	0.068688	0.13997292	0.40498891	0.16897038	4	17	6
5817	NM_001135768,NM_001135769	PVR	poliovirus receptor	-1.002618905	1.213587395	28.97957	29.089147	36.053662	7.30776474	7.30401518	7.58544384	6181	8237	9226
10299	NM_001270660,NM_001270661	MARCH6	membrane associated ring-CH-ty	1.04269925	1.213539746	12.769016	13.358147	14.538341	6.92092074	6.98075752	7.19805152	4718	6573	7042
51097	NM_016002	SCCPDH	saccharopine dehydrogenase (pu	-1.079515431	1.213505065	33.301399	30.884579	37.976585	6.34446389	6.23548722	6.62052589	3151	3900	4703
1399	NM_005207	CRKL	CRK like proto-oncogene, adapto	1.408901695	1.213474171	41.257866	58.190521	47.047691	7.7475644	8.24019102	8.0552972	8398	15809	12534
5989	NM_002918	RFX1	regulatory factor X1	1.160244192	1.213259069	4.632365	5.385405	5.297955	4.37612225	4.5809496	4.64278115	776	1203	1158
7096	NM_003263	TLR1	toll like receptor 1	-1.906237583	1.213127344	4.657055	2.446829	5.308229	3.80108857	2.96099164	4.0615736	508	356	758
7185	NM_001190945,NM_001190947	TRAF1	TNF receptor associated factor 1	1.159336157	1.212994131	4.008384	4.685185	4.576398	4.20138033	4.40389042	4.46615621	683	1058	1019
285527	NM_015030	FRYL	FRY like transcription coactivator	-1.029786594	1.212969745	9.908566	9.631843	11.294065	6.83211648	6.79014717	7.10844153	4434	5753	6615
143884	NM_152434	CWF19L2	CWF19 like 2, cell cycle control (	-1.22189342	1.21287288	4.862656	3.981802	5.546642	4.04765842	3.77771682	4.3107378	610	667	910
79803	NM_024747	HPS6	HPS6, biogenesis of lysosomal o	-1.601408694	1.212868533	5.371712	3.358479	6.123384	3.90531607	3.2825973	4.16678956	549	458	819
27244	NM_001199933,NM_001199934	SESN1	sestrin 1	-1.181084537	1.212781647	1.496575	1.26559	1.805308	2.50111114	2.30630165	2.73414401	183	207	273
57530	NM_020770	CGN	cingulin	-1.530116669	1.21268351	19.980839	13.071893	22.7684	6.64724883	6.04119638	6.92293263	3896	3402	5811
22929	NM_001195602,NM_001195604	SEPHS1	selenophosphate synthetase 1	1.144783725	1.212511682	22.690985	26.051021	25.84184	6.18794463	6.38052162	6.46248074	2823	4318	4210
4087	NM_001003652,NM_001135937	SMAD2	SMAD family member 2	-1.150600292	1.212130862	3.827132	3.331901	4.376151	5.32271189	5.12572903	5.59395302	1532	1779	2284
25806	NM_012476	VAX2	ventral anterior homeobox 2	1.653207676	1.212027302	1.296469	2.139064	1.482205	1.29387258	1.76638114	1.46482043	57	126	85
9929	NM_014876	JOSD1	Josephin domain containing 1	1.411820984	1.211830474	36.396549	51.439255	41.447926	6.93930211	7.43343558	7.21443955	4779	9015	7123
9246	NM_004223,NM_198183	UBE2L6	ubiquitin conjugating enzyme E2	1.316835783	1.211643447	56.408062	73.535356	63.608739	6.13454836	6.52668807	6.40793246	2719	4784	4052
9965	NM_005117	FGF19	fibroblast growth factor 19	1.074652345	1.211401487	4.289326	4.613946	4.889988	3.31329794	3.40707821	3.56449618	351	504	523
26058	NM_001103146,NM_001103147	GIGYF2	GRB10 interacting GYF protein 2	1.202333307	1.211378828	10.861449	13.293842	10.946235	6.16610643	6.42856768	6.43925662	2780	4466	4142
55651	NM_001034833,NM_017838	NHP2	NHP2 ribonucleoprotein	1.077469978	1.211298386	71.243757	76.891993	80.93428	5.90361028	6.00952888	6.17996655	2311	3327	3443
5217	NM_002628,NM_053024	PFN2	profilin 2	1.112613164	1.210994313	104.444622	112.726044	119.935756	7.5552432	7.70842082	7.83010205	7345	10919	10940
57486	NM_020726	NLN	neurolysin	1.018237296	1.21094264	5.410224	5.515878	6.159199	5.54362658	5.56914783	5.8143746	1792	2438	2669
4173	NM_005914,NM_182746	MCM4	minichromosome maintenance c	1.316321011	1.210918326	37.092698	48.906532	42.231068	7.44694859	7.84147706	7.72161336	6811	11979	10144
65249	NM_023072	ZSWIM4	zinc finger SWIM-type containing	-1.11190421	1.210814155	5.886633	5.299279	6.701174	4.6940596	4.54723362	4.96032831	977	1174	1455
2954	NM_001312660,NM_145870,NM	GSTZ1	glutathione S-transferase zeta 1	1.098483019	1.210802157	17.410131	19.235113	18.980784	4.55403551	4.68404654	4.8192972	883	1296	1315
200933	NM_001105573	FBXO45	F-box protein 45	-1.093661022	1.210549964	7.612474	6.971516	8.661469	5.44331753	5.3172456	5.71321819	1669	2039	2485
441381	NM_001024678	LRRC24	leucine rich repeat containing 24	-1.298410578	1.210350436	4.581145	3.532086	5.216698	3.15728865	2.8278811	3.40441396	311	320	463
126272	NM_152361	EID2B	EP300 interacting inhibitor of diff	1.512890918	1.210280514	1.75301	2.669725	1.999508	1.7191395	2.16012918	1.91649468	90	182	134
101669762	NR_103783	BLACAT1	bladder cancer associated transc	-1.558133839	1.209796487	12.909851	8.292599	14.673865	5.08249824	4.46618624	5.34988112	1291	1107	1921
10423	NM_001286585,NM_001286586	CDIPT	CDP-diacylglycerol--inositol 3-ph	1.115096645	1.209539886	18.367226	20.575617	20.985717	5.13363806	5.2865704	5.40097983	1339	1995	1992
151011	NM_001321496,NM_001321498	SEPT10	septin 10	1.111627024	1.209531979	8.823309	9.707905	9.765004	5.04514512	5.19343546	5.31202633	1257	1867	1870
3459	NM_000416	IFNGR1	interferon gamma receptor 1	1.48276367	1.209488631	14.439649	21.450552	16.417505	4.94610703	5.49911925	5.21239866	1171	2320	1742
11332	NM_007274,NM_181864,NM_18	ACOT7	acyl-CoA thioesterase 7	-1.190230359	1.209477982	38.828027	32.327672	46.590141	6.08127212	5.8340679	6.3519721	2619	2940	3896
27343	NM_001174084,NM_001174085	POLL	DNA polymerase lambda	-1.247580706	1.209316599	8.865428	7.084012	10.517055	4.53988763	4.2359869	4.80333552	874	936	1300
22919	NM_012325	MAPRE1	microtubule associated protein R	1.312755894	1.209193143	60.932602	80.084641	69.239548	7.29120266	7.6816112	7.56365752	6110	10717	9087
23203	NM_001282944,NM_001282946	PMPCA	peptidase, mitochondrial process	1.243582667	1.209126942	40.423677	50.300645	45.851437	6.43090861	6.74214096	6.70198758	3348	5563	4979
10333	NM_006068	TLR6	toll like receptor 6	-1.799883523	1.209046142	5.324039	2.962668	6.052231	4.97910428	4.16723545	5.24506567	1199	890	1783
80346	NM_001316964,NM_001316965	REEP4	receptor accessory protein 4	1.176868031	1.208948488	29.904634	35.611669	34.023065	5.66519587	5.89588107	5.9340406	1953	3071	2904
155060	NR_036573	LOC155060	AI894139 pseudogene	-1.002091095	1.208518978	2.761046	2.756488	3.136339	3.24517298	3.24247658	3.49199507	333	444	495
55831	NM_018447	EMC3	ER membrane protein complex s	1.1585731	1.208407368	14.427576	16.743082	16.394287	5.25311474	5.46029098	5.51970132	1458	2257	2167
101927365	NR_125843	LOC101927365	uncharacterized LOC101927365	-1.086381354	1.208273643	1.902073	1.761862	2.169212	1.5285023	1.45142181	1.71282633	74	91	110
10605	NM_006451,NM_182789,NM_18	PAIP1	poly(A) binding protein interacting	1.114815516	1.208141787	16.552884	19.470753	19.561282	5.44669174	5.60009515	5.71378758	1673	2492	2486

26019	NM_015542,NM_080599	UPF2	UPF2 regulator of nonsense tran	1.13529798	1.208079652	10.785643	12.311971	12.281682	5.80715195	5.98715744	6.07543546	2159	3275	3208
677768	NR_003002	SCARNA13	small Cajal body-specific RNA 1	1.116422214	1.207921239	0.180394	0.146266	0.196358	0.07168335	0.08023518	0.08695753	2	3	3
152015	NM_001012337,NM_001308313	ROPN1B	rhophilin associated tail protein 1	5.378951729	1.207921239	0.044345	0.25501	0.037461	0.07168335	0.36283659	0.08695753	2	15	3
406972	NR_029582	MIR196A1	microRNA 196a-1	1.8268438	1.207921239	0.732664	1.352983	0.723762	0.07168335	0.13134883	0.08695753	2	5	3
100616150	NR_039871	MIR4720	microRNA 4720	1.471633007	1.207921239	0.541902	0.957609	0.742139	0.07168335	0.10601836	0.08695753	2	4	3
4629	NM_001040113,NM_001040114	MYH11	myosin heavy chain 11	1.471633007	1.207921239	0.007537	0.011266	0.008609	0.07168335	0.10601836	0.08695753	2	4	3
619570	NR_002591	SNORD95	small nucleolar RNA, C/D box 95	2.182054593	1.207921239	0.818182	1.734357	0.722505	0.07168335	0.15624221	0.08695753	2	6	3
102465446	NR_106804	MIR6746	microRNA 6746	-1.313695475	1.207921239	0.68456	0.522155	0.744495	0.07168335	0.05398282	0.08695753	2	2	3
151651	NM_001330688,NM_144715	EFHB	EF-hand domain family member	12.48316759	1.207921239	0.017649	0.237105	0.020349	0.07168335	0.73744528	0.08695753	2	35	3
100287238	NM_001256855	USP17L13	ubiquitin specific peptidase 17-lik	1.116422214	1.207921239	0.018195	0.032714	0.032326	0.07168335	0.08023518	0.08695753	2	3	3
100302233	NR_031672_chr15,NR_031672_	MIR1268A	microRNA 1268a	-2.463050374	1.207921239	0.697138	0.216008	0.978624	0.07168335	0.02724389	0.08695753	2	1	3
56623	NM_001318502,NM_019892	INPP5E	inositol polyphosphate-5-phospha	-1.193318244	1.207914585	15.306912	12.846087	17.384777	5.69103253	5.44142749	5.95874997	1989	2227	2955
9731	NM_014704	CEP104	centrosomal protein 104	1.057060216	1.207908033	3.535489	3.740805	4.013968	4.53830704	4.61501835	4.80012188	873	1233	1297
1994	NM_001419	ELAVL1	ELAV like RNA binding protein 1	1.130184137	1.2077468	18.227293	20.623734	20.685143	6.76173135	6.93676112	7.03174097	4221	6374	6270
10241	NM_001261390,NM_001261391	CALCOCO2	calcium binding and coiled-coil d	-1.305144933	1.207718426	35.370053	27.097055	40.100626	6.99625111	6.61547585	7.26659592	4973	5091	7387
55829	NM_018445,NM_203472	SELENOS	selenoprotein S	1.488326437	1.207671882	37.613366	56.007788	43.013528	5.58555344	6.14938014	5.85262116	1846	3671	2742
8945	NM_001256856,NM_003939,NM	BTRC	beta-transducin repeat containing	-1.224435462	1.207585499	2.883832	2.396102	3.310825	4.19537543	3.92077761	4.45393896	680	742	1010
10522	NM_001293634,NM_021008	DEAF1	DEAF1, transcription factor	1.315272989	1.207407102	4.809777	6.390211	5.460297	3.78784692	4.1580214	4.04175574	503	884	747
64285	NM_022450	RHBDF1	rhomboid 5 homolog 1	-1.292238583	1.207331355	40.940449	31.71797	46.454632	6.91026734	6.54388631	7.18003369	4683	4842	6954
7054	NM_000360,NM_199292,NM_19	TH	tyrosine hydroxylase	4.437329134	1.207297334	0.472091	2.132509	0.536414	0.91952222	2.31185141	1.05442063	35	208	52
81031	NM_030777	SLC2A10	solute carrier family 2 member 1	-1.036504932	1.207283795	11.857727	11.453476	13.454501	5.6410988	5.59042388	5.90790578	1920	2475	2851
6777	NM_012448	STAT5B	signal transducer and activator o	1.021576372	1.207184303	10.286634	10.518077	11.66893	5.70095648	5.73116925	5.96784829	2003	2734	2974
51144	NM_016142	HSD17B12	hydroxysteroid 17-beta dehydrog	-1.054674127	1.207162591	61.280762	58.172249	69.520493	7.25605529	7.1797725	7.52605933	5962	7553	8852
440503	NM_001013706	PLIN5	perilipin 5	1.047777241	1.207116674	1.76278	1.847961	2.006108	2.37926962	2.43393638	2.60259472	165	231	245
84864	NM_001042533,NM_001261829	RIOX2	ribosomal oxygenase 2	2.89514055	1.207069609	5.429954	15.758828	6.118113	4.78350351	6.2825285	5.04602381	1042	4031	1547
5264	NM_001037537,NM_001323080	PHYH	phytanoyl-CoA 2-hydroxylase	-1.035379652	1.206915652	15.128106	14.763628	17.25216	4.63020414	4.58209828	4.89153539	933	1204	1385
372	NM_001142281,NM_001655	ARCN1	archain 1	-1.731626877	1.206900941	38.732247	22.13892	43.729244	7.23401145	6.44885883	7.50367958	5871	4530	8715
445328	NM_001003702	ARHGEF35	Rho guanine nucleotide exchang	-1.284056793	1.206875884	6.778581	5.287687	7.693641	4.11706758	3.77972069	4.37406362	642	668	953
63951	NM_022160	DMRTA1	DMRT like family A1	1.143475281	1.206807332	1.820697	2.087618	2.069047	2.35073722	2.50832973	2.57277436	161	246	239
10725	NM_001113178,NM_006599,NM	NFAT5	nuclear factor of activated T-cells	1.253001231	1.20567983	14.924433	18.931172	17.054397	7.58712508	7.91100132	7.85702706	7510	12573	11147
1659	NM_001302623,NM_001322216	DHX8	DEAH-box helicase 8	-1.015836026	1.206777196	17.228409	17.950529	20.061263	6.35662242	6.33423288	6.62477064	3178	4180	4717
29082	NM_014169	CHMP4A	charged multivesicular body prot	1.15760746	1.206419513	22.081484	25.593485	25.043831	4.91477587	5.11941338	5.17732438	1145	1771	1699
285704	NM_001012761	RGMB	repulsive guidance molecule fam	-1.100399726	1.206340109	4.745334	4.314073	5.378109	4.47030848	4.33878278	4.72980159	831	1009	1233
3656	NM_001570	IRAK2	interleukin 1 receptor associated	1.071107646	1.206209752	4.595055	4.928364	5.212356	4.04765842	4.14097459	4.30319063	610	873	905
22983	NM_014975	MAST1	microtubule associated serine/thr	2.001169316	1.205833205	0.633324	1.2758	0.721646	2.02024721	2.83174937	2.22843599	120	321	178
28981	NM_001143779,NM_001347946	IFT81	intraflagellar transport 81	1.303970865	1.205823847	5.621383	7.671097	6.715169	4.13809052	4.50182664	4.39409566	652	1136	967
100130522	NR_028339,NR_028340	PARD6G-AS1	PARD6G antisense RNA 1	2.024479325	1.205718653	0.238437	0.492353	0.273496	0.83964067	1.37924953	0.96541723	31	84	46
283385	NM_173855	MORN3	MORN repeat containing 3	1.08613974	1.205718653	0.686253	0.74823	0.778113	0.83964067	0.89363826	0.96541723	31	45	46
10524	NM_001206833,NM_006388,NM	KAT5	lysine acetyltransferase 5	1.094350851	1.205710172	22.403744	24.268147	25.226686	5.60983593	5.73736895	5.87468438	1878	2746	2785
163059	NM_001080411,NM_001308346	ZNF433	zinc finger protein 433	1.225646804	1.205682814	2.944321	3.568461	3.318232	2.9541672	3.21312006	3.19199808	265	434	393
8427	NM_001303481,NM_003575	ZNF282	zinc finger protein 282	-1.342501671	1.205629225	8.830167	6.587263	10.151565	5.04291747	4.63286465	5.30524173	1255	1249	1861
115950	NM_138783	ZNF653	zinc finger protein 653	1.128061171	1.205582568	2.38957	2.700248	2.711766	2.63728034	2.78463118	2.86703245	205	309	304
56255	NM_021156	TMX4	thioredoxin related transmembra	1.228697832	1.205484232	4.533315	5.579953	5.136729	4.81908641	5.10669852	5.07998613	1069	1755	1585
56951	NM_020199	C5orf15	chromosome 5 open reading fran	1.258388653	1.205387069	52.264751	65.841148	59.199898	6.67125028	7.20030218	7.13865149	4557	7662	6756
3029	NM_001040427,NM_001286249	HAGH	hydroxyacylglutathione hydrolase	-1.19212674	1.205252125	25.133057	20.937766	27.416782	5.24441656	4.99815263	5.50727429	1449	1624	2148
283578	NM_001346131,NM_001346133	TMED8	transmembrane p24 trafficking pr	1.213268597	1.205172607	4.813184	5.868035	5.475416	5.23664058	5.50881622	5.49937013	1441	2336	2136
387338	NM_001256127,NM_001256128	NSUN4	NOP2/Sun RNA methyltransferas	1.098523737	1.205096568	4.642613	5.07661	5.230465	4.58038655	4.71054878	4.83926507	900	1321	1334
5062	NM_002577	PAK2	p21 (RAC1) activated kinase 2	1.21665652	1.205096168	26.326982	32.065678	29.814125	7.30706876	7.58837191	7.57467017	6178	10043	9157
26271	NM_001142522,NM_012177	FBXO5	F-box protein 5	1.179058376	1.20464841	15.014911	17.846667	17.114378	5.01136367	5.24220835	5.27237862	1227	1933	1818
10097	NM_001005386,NM_005722	ACTR2	ARP2 actin related protein 2 hom	1.181121311	1.204601744	71.710931	84.801082	81.18055	8.10258125	8.3419355	8.37024828	10752	16968	15930
5051	NM_000437	PAFAH2	platelet activating factor acetylhy	-1.188033716	1.204530907	4.748336	3.998653	5.374262	4.13391036	3.90066256	4.38840055	650	731	963
7428	NM_000551,NM_198156	VHL	von Hippel-Lindau tumor suppres	1.197764404	1.204467529	9.127096	10.932984	10.321277	5.37412105	5.62872593	5.6366162	1589	2543	2354
22853	NM_014916	LMTK2	lemur tyrosine kinase 2	-1.446036802	1.204429201	7.537007	5.219512	8.53188	6.05884715	5.53633734	6.3235294	2578	2382	3819
102724428	NM_001320643	LOC102724428	serine/threonine-protein kinase S	-1.087248124	1.204196111	10.512437	9.680408	11.896945	5.64917596	5.53099392	5.91237727	1931	2373	2860
56905	NM_015492	C15orf39	chromosome 15 open reading fra	1.279909019	1.204193808	10.784482	13.817693	12.202767	5.56939302	5.9187927	5.83231428	1825	3121	2703
203414	NR_126059	LINC01560	long intergenic non-protein codin	1.108576603	1.204096127	0.556197	0.620392	0.63066	1.24819466	1.33632702	1.40965954	54	80	80
90268	NM_138348	OTULIN	OTU deubiquitinase with linear lir	-1.210065854	1.20408385	1.968017	1.626329	2.224878	4.03650512	3.77972069	4.28950542	605	668	896
161882	NM_153813	ZFPM1	zinc finger protein, FOG family m	1.22197679	1.203993933	1.273549	1.556795	1.438969	2.32896139	2.56520021	2.54744438	158	258	234
23130	NM_015104	ATG2A	autophagy related 2A	1.552525041	1.203786494	5.18413	8.057291	5.862702	5.05180751	5.67090409	5.31202633	1263	2620	1870
203260	NM_001195200,NM_001195201	CCDC107	coiled-coil domain containing 107	-1.163382357	1.203694318	5.938677	5.153764	6.799774	3.0370876	2.84711955	3.27458965	283	325	419
1583	NM_000781,NM_001099773	CYP11A1	cytochrome P450 family 11 subfa	1.08075192	1.20367415	0.350146	0.377883	0.389289	0.7550755	0.80796545	0.8705986	27	39	40
222962	NM_001040661,NM_001300847	SLC29A4	solute carrier family 29 member 4	-1.891987515	1.20367415	0.24173	0.128824	0.271017	0.7550755	0.44594451	0.8705986	27	19	40
54386	NM_018975,NR_144545	TERF2IP	TERF2 interacting protein	-1.093605374	1.203365636	25.342785	23.042644	28.911917	5.78998672	5.663326648	6.05266115	2133	2606	3157
10166	NM_014252	SLC25A15	solute carrier family 25 member 1	1.087858474	1.203336854	2.939713	3.202231	3.323982	3.64534899	3.75752359	3.89283072	452	657	669
79400	NM_001184779,NM_001184780	NOX5	NADPH oxidase 5	4.048104842	1.203204286	4.287677	17.398853	4.847968	3.7744826	5.71030906	4.02350017	498	2694	737
79090	NM_001270891,NM_001270892	TRAPPC6A	trafficking protein particle comple	-1.202448533	1.203184601	14.256997	11.841265	16.063657	3.55756677	3.3161202	3.80364308	423	470	626
23326	NM_015276	USP22	ubiquitin specific peptidase 22	1.249367167	1.203121863	20.804026	26.02656	23.524065	6.73817389	7.05667894	7.00267984	4152	6931	6144
27348	NM_001317893,NM_001317894	TOR1B	torsin family 1 member B	1.22635195	1.203092196	16.99523	21.892367	20.329732	5.58937463	5.87822158	5.8510692	1851	3033	2739
254359	NM_001348571,NM_207340	ZDHHC24	zinc finger DHHC-type containing	1.118481963	1.202993135	6.16273	6.721875	7.096027	4.83333524	4.98952124	5.09142367	1080	1614	1598
8189	NM_004819	SYMPK	symplekin	-1.074560003	1.202923291	35.078186	32.679615	39.654179	7.17038321	7.06738169	7.43524216	5616	6983	8309
24148	NM_012469	PRPF6	pre-mRNA processing factor 6	1.160070211	1.202646165	45.37952	52.709698	51.293003	7.10888572	7.3216589	7.37334081	5380	8339	7958
388327	NM_001105520	C17orf100	chromosome 17 open reading fra	-1.036318028	1.202590075	2.018847	1.956938	2.283825	2.02927762	1.99055518	2.23479744	121	156	179
9901	NM_001033117,NM_014850	SRGAP3	SLIT-ROBO Rho GTPase activat	-1.364181185	1.202480154	0.418719	0.306847	0.473101	0.22275497	1.88281796	2.43591723	144	141	213
130617	NM_001270998,NM_001270999	ZFAND2B	zinc finger AN1-type containing 2	1.328447288	1.202432765	14.090509	19.006259	16.407287	4.21331566	4.60375125	4.46615621	689	1223	1019
5571	NM_001206709,NM_001206710	PRKAG1	protein kinase AMP-activated no	-1.067595988	1.202274132	24.888643	23.312688	28.127935	5.42376114	5.33165924	5.6838776	1646	2060	2434
54020	NM_001320537,NM_018964	SLC37A1	solute carrier family 37 member 1	-1.100500359	1.202262322	10.566407	9.607499	11.929361	5.29677111	5.1622853	5.55635276	1504	1826	2224
63035	NM_001184772,NM_021946	BCORL1	BCL6 corepressor like 1	1.055476922	1.202171185	2.515176	2.640194	2.82156	4.23884171	4.31272471	4.49186333	702	990	1038
80012	NM_001308116,NM_024947	PHC3	polyhomeotic homolog 3	1.158679191	1.202085852	8.443011	9.796892	9.537665	6.71737173	6.92797922	6.98061156	4092	6335	6050
57828	NM_001330496,NM_021185	CATSPERG	cation channel sperm associated	1.485595651	1.202080133	0.495897	0.756851	0.562529	1.48977343	1.88281796	1.66651905	71	141	105
84886	NM_001136494,NM_001136495	C1orf198	chromosome 1 open reading fran	1.036351698	1.202029299	6.451252	6.694132	7.288967	4.62276571	4.67222953	4.87839036	928	1285	1372
23526	NM_001258328,NM_001282334	ARHGAP45	Rho GTPase activating protein 4	-1.005276694	1.201949888	12.001077	11.914483	13.551535	5.9841867	5.97671398	6.24574008	2446	3251	3616
55159	NM_018124	RFWD3	ring finger and WD repeat domai	1.08304664	1.201608353	28.452696	30.847778	32.129742	7.11048214	7.22477893	7.37370116	5386	7794	7960
123355	NM_001284400,NM_001321675	LRRC28	leucine rich repeat containing 28	1.364823575	1.201536904	0.700402	0.956952	0.790884	2.33625658	2.70672986	2.55254608	159	290	235
6747	NM_001308197,NM_001308204	SSR3	signal sequence receptor subunit	1.062858869	1.201414424	18.257203	19.432487	20.669585	6.28538667	6.37224539	6.54702524	3023	4293	4467
51451	NM_001032391,NM_016309	LCMT1	leucine carboxyl methyltransferas	1.278895844	1.201375886	15.097086	19.289306	17.213611	4.38845666	4.72829618	4.64158467	783	1338	1157
60626	NM_001286134,NM_021932	RIC8A	RIC8 guanine nucleotide exchan	1.130454777	1.201296492	17.296905	19.557557	19.519099	6.01064561	6.18497139	6.27149421	2492	3764	3682
9445	NM_021999	ITM2B	integral membrane protein 2B	1.157308357	1.20128564	104.273781	120.818214	117.719955	7.59626904	7.80603138	7.85960209	7558	11687	11167
9474	NM_001286106,NM_001286107	ATG5	autophagy related 5	-1.179729638	1.201153272	7.539778	6.514774	8.63704	4.62276571	4.39476729	4.87737422	928	1051	1371
339327	NM_001297763,NM_178544	ZNF546	zinc finger protein 546	-1.091550094	1.201037327	0.216718	0.19959	0.24492	1.43646263	1.3579479	1.60891398	67	82	99
142891	NM_001174156,NM_144660	SAMD8	sterile alpha motif domain contair	-1.409910168	1.200851065	6.68958	4.739425	7.531745	5.5004447	5.01781102	5.75917693	1738	1647	2567
27291	NM_001256619,NM_001256620	R3HCC1L	R3H domain and coiled-coil cont	-1.336060911	1.200832836	5.977953	5.18	6.667574	4.38670105	3.99164624	4.63918874	782	782	1155
79004	NM_024040	CUEDC2	CUE domain containing 2	-1.162694234	1.200672974	26.831247	23.093353	30.26993	5.01136367	4.80113128	5.26773297	1227	1410	1812
23333	NM_015283	DPY19L1	dpy-19 like 1	-1.206936209	1.200545953	5.975259	4.956708	6.742398	4.87400371	4.61277196	5.12947602	1112	1231	1642
4790	NM_001165412,NM_001319226	NFKB1	nuclear factor kappa B subunit 1	1.701592422	1.200323509	5.684774	9.684866	6.413214	4.5618359	5.30338313	4.81505799	888	2019	1311
1951	NM_001407	CELSR3	cadherin EGF LAG seven-pass G	-2.598608038	1.20013211	1.556031	0.598483	1.75569	4.25817433	2.99588686	4.5087761	712	366	1051
685	NM_001316963,NM_001729	BTC	betacellulin	1.451265351	1.199927509	4.563166	6.642487	5.142182	3.71696001	4.21984192	3.96156336	477	925	704
2114	NM_001256295,NM_005239	ETS2	ETS proto-oncogene 2, transcript	1.228661356	1.199905223	34.886034	42.922642	39.343987	7.01057147	7.30558068	7.27163199	5023	8246	7413
5625	NM_001195226,NM_016335	PRODH	proline dehydrogenase 1	2.610844353	1.199862337	0.680415	1.785432	0.768823	1.38110603	2.37683491	1.5489128	63	220	93
9545	NM_004283	RAB3D	RAB3D, member RAS oncogene	-1.447909215	1.199832085	4.037964	2.793178	4.553172	4.15469105	3.65645563	4.40400834	660	609	974

222389	NM_001100912,NM_152751	BEND7	BEN domain containing 7	-2.976401666	1.19973892	4.993212	1.660118	5.566021	3.38187998	2.05815489	3.62144026	370	166	546
23286	NM_001161661,NM_001161662	WWC1	WW and C2 domain containing 1	-1.235924882	1.199535924	20.424031	16.536951	23.019208	7.07521891	6.7721428	7.33591963	5255	5681	7753
9241	NM_005450	NOG	noggin	-1.530225545	1.199491639	3.372632	2.198222	3.792908	2.85098947	2.33928445	3.07986458	244	213	360
79001	NM_001311311,NM_024006,NM	VKORC1	vitamin K epoxide reductase com	1.360221431	1.199319327	28.581718	38.865518	32.179339	4.91477587	5.3459303	5.16904389	1145	2081	1689
9928	NM_001305792,NM_014875	KIF14	kinesin family member 14	-1.433437984	1.199297201	15.800765	10.91618	17.846766	6.77856477	6.26475434	7.03857485	4271	3981	6300
100130894	NR_034083	VAC14-AS1	VAC14 antisense RNA 1	-1.471295814	1.199235825	1.64509	1.121224	1.864109	2.19894236	1.78245981	2.40804223	141	128	208
1672	NM_005218	DEFB1	defensin beta 1	-1.596434952	1.199217162	3.40086	2.150339	3.881561	1.35261029	0.97983233	1.51794971	61	51	90
643246	NM_001085481	MAP1LC3B2	microtubule associated protein 1	-1.002081141	1.19915479	0.640863	0.637043	0.734765	0.61813834	0.61708849	0.71544405	21	28	31
22870	NM_014931	PPP6R1	protein phosphatase 6 regulatory	1.031178479	1.19907406	44.930012	46.382584	50.631786	7.32299179	7.36701414	7.58342016	6247	8607	9213
10472	NM_001278196,NM_006352,NM	ZBTB18	zinc finger and BTB domain cont	-1.36184982	1.199056586	9.972228	7.235736	11.242778	5.37146049	4.9384145	5.6275797	1586	1556	2339
55852	NM_001288732,NM_001288733	TEX2	testis expressed 2	1.142990415	1.198873923	5.842145	6.687898	6.585425	4.90867185	5.09548035	5.16238511	1140	1741	1681
6494	NM_006747,NM_153253	SIPA1	signal-induced proliferation-asso	-9.197543926	1.19885155	8.58585	0.922015	9.898985	4.95442736	2.09080288	5.20836379	1178	171	1737
51635	NM_001322280,NM_001322281	DHRS7	dehydrogenase/reductase 7	-1.078391065	1.198832967	57.98585	52.549081	62.337744	6.7859097	6.67805099	7.04537652	4293	5319	6330
54821	NM_001009954,NM_017669	ERCC6L	ERCC excision repair 6 like, spin	1.08588848	1.198801459	7.838298	8.48924	8.750858	5.06284359	5.17832427	5.31728127	1273	1847	1877
9203	NM_001171162,NM_001171163	ZMYM3	zinc finger MYM-type containing	1.034044851	1.198751077	11.143588	12.181671	12.327771	5.88756138	5.93506664	6.14505901	2285	3157	3369
9429	NM_001257386,NM_001348985	ABCG2	ATP binding cassette subfamily (	1.889869785	1.198633729	1.492932	2.674826	1.574732	2.7991369	3.61665196	3.02586351	234	591	345
54480	NM_001284295,NM_019015	CHPF2	chondroitin polymerizing factor 2	1.566775267	1.198553565	8.628233	13.539907	10.063488	5.10935964	5.74200129	5.36373375	1316	2755	1940
23411	NM_001142498,NM_001314049	SIRT1	sirtuin 1	-1.110044194	1.198394443	7.442748	6.805748	8.352696	4.85254141	4.7073941	5.10537729	1095	1318	1614
375757	NM_001040011,NM_001318089	SWI5	SWI5 homologous recombination	-1.001840609	1.198372384	29.020676	29.226071	32.278639	4.72356761	4.72101485	4.97560227	998	1331	1471
7850	NM_001261419,NM_004633,NR	IL1R2	interleukin 1 receptor type 2	-1.942939997	1.198345246	6.915211	3.574862	7.912177	3.43040645	2.59281628	3.66919325	384	264	566
5495	NM_001033557,NM_002706,NM	PPM1B	protein phosphatase, Mg2+/Mn2+	-1.020925487	1.198340972	16.650247	17.497538	20.287613	5.69316485	5.66386906	5.94959391	1992	2607	2936
163033	NM_152600	ZNF579	zinc finger protein 579	-1.155173714	1.198334275	15.021753	13.016124	16.909988	5.03172731	4.83042646	5.28546063	1245	1440	1835
7511	NM_001167604,NM_001324128	XPNPEP1	X-prolyl aminopeptidase 1	-1.011785698	1.198313886	14.682478	14.577892	16.755601	5.23078096	5.2143287	5.48543279	1435	1895	2115
599	NM_001199839,NM_004050	BCL2L2	BCL2 like 2	1.319532132	1.198307103	18.306345	24.39362	20.850176	6.02876973	6.42344998	6.28611642	2524	4450	3720
28511	NM_001001349,NM_001144927	NKIRAS2	NFKB inhibitor interacting Ras lik	1.326614699	1.198293196	14.143647	18.672871	15.87082	5.11254966	5.51002377	5.36663322	1319	2338	1944
9066	NM_001252065,NM_001300773	SYT7	synaptotagmin 7	-1.19690105	1.197930168	2.531824	2.125803	2.867775	4.02977152	3.78770843	4.27568916	602	672	887
2958	NM_001320929,NM_001320930	GTF2A2	general transcription factor IIA su	1.698331575	1.197871624	19.304799	33.053968	21.921096	4.95797859	5.70293615	5.21078606	1181	2680	1740
8087	NM_001013438,NM_001013439	FXR1	FMR1 autosomal homolog 1	1.12118198	1.197807374	26.572649	29.69163	29.650678	7.79267723	7.95699619	8.05200133	8666	12982	12767
6776	NM_001288718,NM_001288719	STAT5A	signal transducer and activator o	-2.590688483	1.197756202	2.158119	0.813727	2.452444	3.32800968	2.16626946	3.56449618	355	183	523
63932	NM_001170569,NM_001170570	CXorf56	chromosome X open reading fran	1.036591318	1.197645078	8.557878	8.877817	9.620723	4.34933082	4.39668427	4.59783705	761	1054	1121
5432	NM_032940	POLR2C	RNA polymerase II subunit C	1.196394842	1.197609096	39.724781	47.585709	44.709702	6.1454907	6.40084412	6.40229181	2740	4380	4036
51274	NM_016531	KLF3	Kruppel like factor 3	-1.005754159	1.197361881	12.791007	12.732248	14.395503	6.14860191	6.14044089	6.40511489	2746	3648	4044
29761	NM_001283041,NM_001283042	USP25	ubiquitin specific peptidase 25	1.193529318	1.197290064	7.709885	9.214396	8.659181	5.30701783	5.55634684	5.56079029	1515	2416	2231
84875	NM_001317895,NM_032789,NR	PARP10	poly(ADP-ribose) polymerase fan	-1.20511301	1.197129437	21.96292	18.203165	24.658787	6.25202543	5.9867238	6.50849312	2953	3274	4348
406983	NR_029834	MIR200A	microRNA 200a	1.024038065	1.197017761	5.439473	5.520368	6.027264	0.56944351	0.58077243	0.65979727	19	26	28
57343	NM_001290318,NM_001290319	ZNF304	zinc finger protein 304	1.161369323	1.196948108	9.081788	10.48789	10.144875	5.33550944	5.54637678	5.58899591	1546	2399	2276
3622	NM_001291959,NM_001564	ING2	inhibitor of growth family membe	1.089962813	1.196947798	5.40865	5.857206	6.047106	3.79050499	3.90617635	4.03265863	504	734	742
10671	NM_006571	DCTN6	dynactin subunit 6	-1.070382696	1.196893687	26.653212	24.938522	29.998917	4.91842592	4.82364393	5.16987408	1148	1433	1690
4194	NM_001204171,NM_001204172	MDM4	MDM4, p53 regulator	1.231229456	1.196814093	8.711375	10.993261	9.970444	6.4124769	6.70940097	6.66889605	3305	5437	4865
283	NM_001097577,NM_001145	ANG	angiogenin	-1.158772382	1.19668535	1.525669	1.40554	1.785347	1.50279892	1.36863803	1.67590018	72	83	106
58489	NM_021214	ABHD17C	abhydrolase domain containing 1	-1.597945342	1.196450591	19.881075	12.45734	22.352121	5.54520135	4.88729042	5.79889481	1794	1500	2640
51422	NM_001040633,NM_001304527	PRKAG2	protein kinase AMP-activated no	-1.571141211	1.196188441	23.970544	15.288757	26.859173	5.73516237	5.09869445	5.98917078	2052	1745	3019
92140	NM_178812	MTDH	metadherin	1.148975431	1.19600086	17.652534	20.306248	19.840298	7.05297567	7.25191807	7.30941758	5174	7943	7611
166815	NM_145715	TIGD2	tigger transposable element deriv	1.162961259	1.19594392	7.565073	8.804603	8.499984	4.03201954	4.23744571	4.27568916	603	937	887
55275	NM_018211	RAVER2	ribonucleoprotein, PTB binding 2	-1.087483085	1.195733899	6.241581	5.746497	7.015753	4.76216862	4.66574286	5.0314812	1041	1279	1531
347735	NM_001199037,NM_001199038	SERINC2	serine incorporator 2	-1.077525425	1.195654577	106.654362	99.142306	120.072518	7.71190313	7.60471313	7.96858055	8192	10158	12047
3976	NM_001257135,NM_002309	LIF	LIF, interleukin 6 family cytokine	-1.079368698	1.195577694	238.937736	221.624628	267.992425	9.84624496	9.73618126	10.10369716	36099	44686	53083
93129	NM_152288	ORAI3	ORAI calcium release-activated (	1.251896081	1.195529486	10.520008	13.186665	11.814157	4.54933495	4.86103256	4.79690107	880	1472	1294
57150	NM_001042493,NM_001287445	SMIM8	small integral membrane protein	-1.062594682	1.195501932	1.602266	1.571028	1.746609	2.15835987	2.09080288	2.36229074	136	171	200
788	NM_000387	SLC25A20	solute carrier family 25 member 2	1.003455187	1.195404821	3.728993	3.743132	4.192586	2.97768275	2.98202989	3.20501631	270	362	397
2000	NM_001127197,NM_001421	ELF4	E74 like ETS transcription factor	1.150174381	1.195396851	10.638585	12.317997	12.051269	5.46843384	5.66603734	5.7206027	1699	2611	2498
1488	NM_001083914,NM_001290214	CTBP2	C-terminal binding protein 2	-1.011587838	1.195392405	30.136962	29.658563	33.713964	6.67340599	6.65694773	6.92858469	3968	5241	5834
101927809	NR_134605	LOC101927809	uncharacterized LOC101927809	-1.227348822	1.195341036	3.00133	2.424137	3.359338	1.44997615	1.26944952	1.61867597	68	74	100
8677	NM_001271609,NM_001271610	STX10	syntaxin 10	-1.036604679	1.195299075	26.950004	26.075159	30.211704	5.16981689	5.11941338	5.42064411	1374	1771	2020
51088	NM_001007075,NM_001171654	KLHL5	kelch like family member 5	-1.337242778	1.195286484	8.142595	6.152861	9.26149	5.92372626	5.51243584	6.1772057	2344	2342	3446
90416	NM_001080791,NM_001080792	C15orf57	chromosome 15 open reading fra	-1.32013401	1.195248117	2.521858	1.948283	2.804012	2.4003046	2.08433212	2.61239943	168	170	247
55613	NM_017677	MTMR8	myotubularin related protein 8	-1.659705177	1.195233919	0.49628	0.29881	0.55694	1.2010231	0.83317479	1.35230545	51	41	75
84340	NM_001281302,NM_032380,NM	GFM2	G elongation factor mitochondria	1.050225172	1.195051222	21.038581	22.160947	23.79004	6.03606811	6.10571785	6.28955798	2537	3560	3729
4162	NM_006500	MCAM	melanoma cell adhesion molecul	-1.642595338	1.195021014	2.599631	1.585629	2.921573	3.24129226	2.61991364	3.47328584	332	270	488
147166	NM_001037330	TRIM16L	tripartite motif containing 16 like	1.726323264	1.194879234	7.615158	13.161879	8.541958	3.97240126	4.72101485	4.21424082	577	1331	848
1734	NM_000793,NM_001007023,NM	DIO2	iodothyronine deiodinase 2	18.62501565	1.194823715	0.339714	0.551042	0.395066	1.6388161	5.33711249	1.81825156	83	2068	122
218	NM_000691,NM_001135167,NM	ALDH3A1	aldehyde dehydrogenase 3 famil	-3.825308139	1.194773023	1.778225	0.461433	2.227881	1.12505137	0.90836632	2.32699908	132	46	194
162993	NM_001077624	ZNF846	zinc finger protein 846	-1.024348869	1.194736405	2.819618	2.754588	3.163025	2.77786255	2.74825434	2.99995417	230	300	338
2274	NM_001039492,NM_001318894	FHL2	four and a half LIM domains 2	-1.073459636	1.194586155	69.487676	64.009553	77.830573	6.79751829	6.69620016	7.05192112	4328	5387	6359
960	NM_000610,NM_001001389,NM	CD44	CD44 molecule (Indian blood gro	-1.390420525	1.194411709	133.309712	93.620511	156.567164	9.40930152	8.93460611	9.66525732	26656	25615	39159
57644	NM_020884	MYH7B	myosin heavy chain 7B	1.756261568	1.194381196	0.06592	0.117969	0.075715	0.5190475	0.81765451	0.60191771	17	40	25
10010	NM_001199135,NM_004180,NM	TANK	TRAF family member associated	1.002549569	1.194375403	21.84774	21.641515	24.085104	5.39610359	5.39969027	5.6467896	1614	2162	2371
8226	NM_001135565,NM_001178135	PUDP	pseudouridine 5'-phosphatase	-1.113412586	1.194260018	7.228105	6.530088	8.169427	4.01393646	3.86901329	4.25549579	595	714	874
23355	NM_001009921,NM_001349292	VPS8	VPS8, CORVET complex subuni	1.23295503	1.193779749	19.269666	22.585337	19.841831	6.44826641	6.74727013	6.70112641	3389	5583	4976
745	NM_001127392,NM_013279	MYRF	myelin regulatory factor	-3.292620867	1.193758087	17.837754	5.349189	19.661622	6.66799555	4.9808379	6.92120803	3953	1604	5804
54890	NM_017758	ALKBH5	alkB homolog 5, RNA demethyla	1.346565911	1.193732997	9.713081	13.094834	10.894068	5.06504071	5.48322133	5.31352969	1275	2294	1872
51317	NM_001101802,NM_001352025	PHF21A	PHD finger protein 21A	1.142784672	1.19369487	4.366417	5.014686	4.895821	5.01022388	5.19718866	5.25839655	1226	1872	1800
29855	NM_001079514,NM_001288656	UBN1	ubinuclein 1	1.206460403	1.193519268	8.108583	9.794537	9.318906	5.66374685	5.92966236	5.91436016	1951	3145	2864
4750	NM_001199397,NM_001199398	NEK1	NIMA related kinase 1	-1.054198191	1.19347113	1.650445	1.56326	1.871222	3.34257292	3.27409343	3.57456234	359	455	527
22982	NM_014974	DIP2C	disco interacting protein 2 homol	1.093276595	1.193448918	2.322329	2.540813	2.604527	4.23689412	4.35902755	4.47961067	701	1024	1029
7411	NM_001303543,NM_001303544	VBP1	VHL binding protein 1	1.070700539	1.193440749	36.273932	38.994909	41.254613	5.91766008	6.01464262	6.16892453	2334	3339	3426
9184	NM_001007793,NM_004725	BUB3	BUB3, mitotic checkpoint protein	-1.00237976	1.193405045	55.137081	56.291168	64.382668	7.06564968	7.06224605	7.31899205	5220	6958	7662
51124	NM_016097	IER3IP1	immediate early response 3 inter	-1.206939225	1.193366614	30.218489	25.074574	33.894287	5.5044447	5.2356538	5.75032359	1738	1924	2551
6938	NM_001306219,NM_001306220	TCF12	transcription factor 12	1.044612082	1.193228211	7.033285	7.558069	8.09708	5.05512721	5.11624515	5.30297309	1266	1767	1858
55010	NM_001319988,NM_001319993	PARPBP	PARP1 binding protein	-1.145223618	1.19310634	7.171948	6.084459	8.26212	4.3072593	4.12214544	4.55017297	738	861	1083
93474	NM_001204220,NM_033213	ZNF670	zinc finger protein 670	1.350300246	1.192985435	1.718211	2.319869	1.925979	3.00540462	3.39143785	3.23070557	276	498	405
29883	NM_001322087,NM_001322088	CNOT7	CCR4-NOT transcription complex	1.068812608	1.192937477	17.774273	18.548885	19.67783	5.47753469	5.57146313	5.72682174	1710	2442	2509
131965	NM_001301790,NM_001301791	METTL6	methyltransferase like 6	1.443426406	1.192876329	5.184112	6.32605	6.001095	3.31329794	3.79763131	3.54415067	351	677	515
10283	NM_001297644,NM_001297645	CWC27	CWC27 spliceosome associated	1.193421779	1.192827482	18.480799	22.075116	20.759047	5.26940291	5.51844844	5.51774626	1475	2352	2164
22936	NM_012081	ELL2	elongation factor for RNA polyme	2.123855083	1.192772894	7.549546	16.052141	8.462638	5.50611581	6.57595105	5.75531028	1745	4952	2560
23075	NM_001297714,NM_015055	SWAP70	SWAP switching B-cell complex	-1.603111346	1.192252016	9.646008	6.023176	10.86281	5.55069956	4.88821942	5.79943137	1801	1501	2641
29	NM_001092,NM_001159746,NM	ABR	active BCR-related	1.086675136	1.192153289	10.796146	11.961957	12.10228	5.76181945	5.87962364	6.01110952	2091	3036	3066
3749	NM_001039574,NM_004978,NR	KCNC4	potassium voltage-gated channel	-1.357901135	1.192115687	0.354113	0.259026	0.405292	1.33814853	1.08728891	1.4969322	60	59	88
79800	NM_001104586,NM_001282910	CARF	calcium responsive transcription	1.517361365	1.192076067	1.946472	2.650447	1.824541	3.21778616	3.76563483	3.44613034	326	661	478
55071	NM_017998	C9orf40	chromosome 9 open reading fran	-1.46240501	1.19205953	13.804506	9.445811	15.46291	5.01136367	4.483501	5.25761579	1227	1121	1799
6904	NM_005993	TBCD	tubulin folding cofactor D	-1.088112134	1.191918443	19.782494	18.2015	22.15979	6.43261128	6.31225092	6.68321271	3352	4116	4914
55182	NM_001319956,NM_001319957	RNF220	ring finger protein 220	1.165406731	1.191910766	23.000474	27.325703	22.429	5.8650409	6.08236661	6.11433759	2249	3502	3297
340706	NM_001272046,NM_001320804	VWA2	von Willebrand factor A domain c	-14.57602291	1.191736575	0.785724	0.053547	0.878782	2.4549311	0.38406669	2.66516564	176	16	258
11133	NM_001291296,NM_007059,NR	KPTN	kaptin, actin binding protein	1.30227159	1.191653153	8.728474	11.207182	9.574556	3.91752664	4.276286	4.15509812	554	964	812
10313	NM_001265589,NM_001265590	RTN3	reticulon 3	1.382246058	1.191414491	88.014664	119.390409	97.348505	7.80866383	8.273902	8.060308	8763	16184	12841
56061	NM_019116	UBFD1	ubiquitin family domain containin	1.192489612	1.191163507	10.175156	12.145477	11.389491	5.63962535	5.88893602	5.88735842	1918	3056	2810
6240	NM_001033,NM_001318064,NM	RRM1	ribonucleotide reductase catalytic	-1.180892287	1.191149089	52.081338	45.001734	59.403905	7.36572797	7.12742772	7.61668159	6436	7282	9429
8906	NM_001282474,NM_001282475	AP1G2	adaptor related protein complex	1.002139139	1.191066111	66.149814	66.00488	74.643352	7.44209654	7.44516171	7.69302238	6788	9089	9944
253724	NR_027249	TTC41P	tetratricopeptide repeat domain 4	1.592433541	1.191046763	0.086264	0.136908	0.095008	0.46682716	0.68708806	0.54161868	15	32	22

11167	NM_007085	FSTL1	follistatin like 1	-1.413264278	1.190986902	18.216419	12.903186	20.385698	6.1108172	5.62036393	6.35963286	2674	2528	3917
147965	NM_001351675,NM_174905	FAM98C	family with sequence similarity 98	-1.188110631	1.190822897	11.129375	9.403271	12.46561	3.8780834	3.64770479	4.11427824	538	605	788
26235	NM_001278716,NM_012160,NR	FBXL4	F-box and leucine rich repeat prc	1.069799036	1.190817521	2.966238	3.220093	3.334431	3.27204958	3.35963909	3.49993963	340	486	498
26267	NM_012166	FBXO10	F-box protein 10	1.633428822	1.190797165	0.809597	1.325737	0.90761	2.20692365	2.78861701	2.40804223	142	310	208
29072	NM_001349370,NM_014159,NR	SETD2	SET domain containing 2	1.163397695	1.190782466	7.360091	8.568786	8.356447	5.966078	6.18118623	6.21429619	2415	3754	3537
84266	NM_032306	ALKBH7	alkB homolog 7	-1.183233454	1.190736253	9.429119	7.978673	10.545393	3.72531928	3.50238056	3.95964434	480	542	703
7408	NM_003370	VASP	vasodilator-stimulated phosphopr	1.017888194	1.190612609	77.610046	79.083374	86.836266	74.44336387	74.46879769	7.6937441	6794	9240	9949
23659	NM_012320	PLA2G15	phospholipase A2 group XV	1.236439742	1.190514216	8.329909	10.32028	9.328591	4.53037804	4.82461482	4.77196635	868	1434	1271
387254	NR_002594	SLC7A5P2	solute carrier family 7 member 5	1.456338167	1.190348286	1.153907	1.683926	1.287162	1.94589385	2.36620557	2.1362985	112	218	164
9698	NM_001020658,NM_014676	PUM1	pumilio RNA binding family mem	1.141121469	1.190329028	20.674565	23.619729	23.127935	6.77286341	6.96168776	7.02211883	4254	6486	6228
80221	NM_001288968,NM_001288969	ACSF2	acyl-CoA synthetase family mem	1.139349537	1.190230932	66.724539	77.730916	73.587884	7.12608683	7.31303698	7.37568145	5445	8289	7971
619567	NR_002587	SNORD2	small nucleolar RNA, C/D box 2	1.361002999	1.189963663	51.449276	70.188774	57.621052	2.17473011	2.53229878	2.37386535	138	251	202
23007	NM_001130960,NM_001130961	PLCH1	phospholipase C eta 1	-3.673594124	1.189933201	0.745563	0.188725	0.800456	2.47491059	1.16293478	2.68388473	179	65	262
5686	NM_001190772,NM_001199773	PSMA5	proteasome subunit alpha 5	1.35063213	1.189727009	23.739633	32.143504	26.501247	6.47783974	6.9072778	6.72589413	3460	6244	5063
219	NM_000692	ALDH1B1	aldehyde dehydrogenase 1 famil	1.953484649	1.189612885	3.929633	7.699485	4.395393	3.67442132	4.5843929	3.90684171	462	1206	676
5929	NM_001193272,NM_001193273	RBBP5	RB binding protein 5, histone lysi	1.039829613	1.189569352	7.330547	7.605744	8.177007	5.00336619	5.05799413	5.24664042	1220	1695	1785
23271	NM_001297707,NM_001297708	CAMSAP2	calmodulin regulated spectrin ass	1.079617066	1.189191137	7.955308	8.607597	8.898454	5.85618712	5.96487401	6.10221143	2235	3224	3269
5451	NM_001198783,NM_001198786	POU2F1	POU class 2 homeobox 1	1.023418275	1.188992523	2.835832	2.921696	3.184779	5.30794575	5.34051034	5.55190154	1516	2073	2217
84542	NM_001129993,NM_001330432	KIAA1841	KIAA1841	1.110548347	1.188920729	2.150601	2.389481	2.426149	3.38891307	3.52644784	3.61657686	372	552	544
113828	NM_138435	FAM83F	family with sequence similarity 83	2.26232561	1.188822333	1.000945	2.281488	1.121581	1.602974	2.48886356	1.77525664	80	242	117
55819	NM_001280801,NM_018434	RNF130	ring finger protein 130	1.125468602	1.188817182	12.235988	13.791698	13.65964	4.80469545	4.96947085	5.04602381	1058	1591	1547
11145	NM_001128203,NM_007069	PLA2G16	phospholipase A2 group XVI	1.202042743	1.18881698	41.000603	49.302116	44.598055	5.72408203	5.98498794	5.96927963	2036	3270	2977
79073	NM_024092	TMEM109	transmembrane protein 109	1.317110065	1.188756433	22.257387	29.350498	24.862429	5.72129859	6.11209361	5.96641552	2032	3576	2971
80227	NM_001267803,NM_001267804	PAAF1	proteasomal ATPase associated	-1.041753237	1.188597319	16.238973	15.610084	18.148469	4.72356761	4.666826	4.96416199	998	1280	1459
121441	NM_001135175,NM_001135176	NEDD1	neural precursor cell expressed,	-1.123011877	1.188545729	13.273166	12.119101	14.838983	5.69316485	5.52920837	5.93794468	1992	2370	2912
55628	NM_001146189,NM_001146190	ZNF407	zinc finger protein 407	1.233325725	1.188410828	1.297544	1.597486	1.436582	3.45742019	3.73497962	3.68554025	392	646	573
5272	NM_004155	SERPINB9	serpin family B member 9	1.256680538	1.188379004	3.533067	4.445169	3.946865	3.93444966	4.24471769	4.16845206	561	942	820
55048	NM_017966	VPS37C	VPS37C, ESCRT-I subunit	1.205975006	1.188139056	8.544182	10.323956	9.545982	4.54933495	4.80900168	4.78827692	880	1418	1286
55146	NM_001134387,NM_001134388	ZDHHC4	zinc finger DHHC-type containing	1.334790527	1.188116797	14.419114	18.79934	15.874163	4.37612225	4.77525187	4.61378826	776	1384	1134
23397	NM_001281710,NM_001281711	NCAPH	non-SMC condensin I complex su	1.283728503	1.188070381	13.082085	16.874527	14.588729	6.28397262	6.64022606	6.52966751	3020	5180	4413
5867	NM_001271998,NM_004578,NR	RAB4A	RAB4A, member RAS oncogene	-1.146379979	1.188060201	7.381833	6.452957	8.304126	4.50470835	4.31687056	4.74325038	852	993	1245
27042	NM_014388	DIEXF	digestive organ expansion factor	1.097695753	1.188046411	3.973886	4.368161	4.438419	5.08141332	5.21210456	5.32326357	1290	1892	1885
3674	NM_000419	ITGA2B	integrin subunit alpha 2b	-1.76454619	1.1880349	0.593548	0.331404	0.66264	1.57857476	1.08728891	1.74883089	78	59	114
79934	NM_001142555,NM_024876	COQ8B	coenzyme Q8B	-1.165624354	1.187947801	8.118644	7.088412	9.358706	4.34572074	4.13629029	4.58295467	759	870	1109
2100	NM_001040275,NM_001214902	ESR2	estrogen receptor 2	1.801719032	1.187765409	0.246338	0.454267	0.281786	0.99521185	1.48128072	1.12461302	39	94	57
388552	NM_212550	BLOC1S3	biogenesis of lysosomal organelle	-1.278255324	1.187744231	8.227259	6.441424	9.177067	4.44859483	4.1126379	4.6863673	818	855	1195
10626	NM_001348119,NM_001348120	TRIM16	tripartite motif containing 16	-1.175115348	1.187689759	26.124814	16.834626	27.881904	5.87822053	5.64969525	6.12250838	2270	2581	3316
9681	NM_001007188,NM_001136029	DEPDC5	DEP domain containing 5	1.192473571	1.187676649	1.562069	1.945212	1.853435	3.24129226	3.47048058	3.46519272	332	529	485
4943	NM_001348262,NM_001348263	TBC1D25	TBC1 domain family member 25	-1.207919586	1.187483383	2.21828	1.86673	2.491865	3.23349937	2.99243508	3.45705395	330	365	482
7027	NM_007111,NR_026580	TFDP1	transcription factor Dp-1	1.213150915	1.187452717	29.65793	35.512843	32.511019	6.21935475	6.49471706	6.46417373	2886	4678	4215
9738	NM_001199022,NM_001323569	CCP110	centriolar coiled-coil protein 110	1.740962265	1.187303387	4.239378	7.482661	4.785941	4.57268608	5.34660637	4.81080629	895	2082	1307
85414	NM_033102	SLC45A3	solute carrier family 45 member 3	1.457474961	1.187260155	27.931162	40.753948	31.161236	6.53878911	7.07739484	6.78398274	3611	7032	5273
91749	NM_153369	MFSD4B	major facilitator superfamily dom	1.46083776	1.187145913	0.841261	1.225974	0.935572	2.07360076	2.50832973	2.26619062	126	246	184
2353	NM_005252	FOS	Fos proto-oncogene, AP-1 transc	1.263561993	1.186922381	57.207016	72.364243	63.802048	6.92122397	7.25624213	7.16657906	4719	7967	6889
143872	NM_152432	ARHGAP42	Rho GTPase activating protein 4	1.067637586	1.186723907	1.160242	1.238885	1.292634	2.67229041	2.75234181	2.88332104	211	301	308
388407	NM_203425	C17orf82	chromosome 17 open reading fra	1.264404815	1.186695124	0.205187	0.274243	0.239036	0.41264541	0.50527715	0.47868902	13	22	19
101929351	NR_121597,NR_121598	CDC37L1-AS1	CDC37L1 antisense RNA 1 (hea	-1.021559294	1.186695124	1.111906	1.126187	1.316045	0.41264541	0.40498891	0.47868902	13	17	19
677837	NR_002986	SNORA60	small nucleolar RNA, H/ACA box	1.035997523	1.186695124	2.394054	2.535824	2.731361	0.41264541	0.42561204	0.47868902	13	18	19
29089	NM_001310326,NM_014176	UBE2T	ubiquitin conjugating enzyme E2	-1.240868227	1.18662448	134.304589	108.369274	149.797208	6.90445095	6.59599096	7.14942456	4664	5022	6807
5609	NM_001297555,NM_001297556	MAP2K7	mitogen-activated protein kinase	-1.000620203	1.186077336	7.609906	7.61122	8.489636	4.75384679	4.75298538	4.99165559	1020	1362	1488
373156	NM_001143679,NM_001143680	GSTK1	glutathione S-transferase kappa	-1.560174877	1.186061427	134.32333	86.672349	154.549299	7.22519698	6.58886576	7.46986664	5835	4997	8512
151613	NM_001042601,NM_001288582	TTC14	tetratricopeptide repeat domain 1	1.221393475	1.186054298	19.824609	24.139833	19.567113	6.22575196	6.51079113	6.46890357	2899	4731	4229
23008	NM_014997	KLHDC10	kelch domain containing 10	-1.307479005	1.18595687	5.011241	3.837391	5.587103	5.01931705	4.64610598	5.25839655	1234	1261	1800
9482	NM_004853,NR_033656	STX8	syntaxin 8	1.060588496	1.185820793	10.537325	11.19319	11.771082	3.43720745	3.51446439	3.66213029	386	547	563
84064	NM_001318765,NM_032124	HDHD2	haloacid dehalogenase like hydr	1.021321652	1.18577143	7.683897	7.938609	8.608495	4.13391036	4.16263578	4.36684138	650	887	948
9240	NM_006029	PNMA1	paraneoplastic Ma antigen 1	1.198696368	1.185608738	13.390866	16.069931	14.919222	5.14821864	5.40294404	5.38748191	1353	2167	1973
254102	NM_001099409,NM_001351087	EHBP1L1	EH domain binding protein 1 like	1.352283964	1.185360338	18.651334	25.505245	21.094192	6.55802658	6.98944134	6.80096283	3660	6613	5336
51185	NM_001173482,NM_016302	CRBN	cereblon	-1.005900934	1.185322063	5.992303	5.967163	6.67327	4.01166006	4.00369809	4.24292715	594	789	866
10491	NM_006371	CRTAP	cartilage associated protein	1.079715565	1.185110262	9.186324	9.92974	10.230702	5.91887536	6.02776984	6.16017783	2336	3370	3405
51663	NM_016107,NR_144318	ZFR	zinc finger RNA binding protein	1.174604033	1.185041052	14.978895	17.615662	16.750388	6.12878335	6.35789825	6.37050671	2708	4250	3947
5462	NM_001159542	POU5F1B	POU class 5 homeobox 1B	-1.068571065	1.184835813	0.381425	0.365407	0.42952	0.68823103	0.65251278	0.78645063	24	30	35
503693	NR_024061	LOH12CR2	loss of heterozygosity, 12, chrom	-1.068571065	1.184835813	0.399144	0.373261	0.445541	0.68823103	0.65251278	0.78645063	24	30	35
8729	NM_001199378,NM_001199379	GBF1	golgi brefeldin A resistant guanin	-1.170409337	1.184646745	17.748516	15.184917	19.764722	6.80968951	6.58486022	7.05214626	4365	4983	6360
132	NM_001123,NM_001202449,NM	ADK	adenosine kinase	-1.384070312	1.18463998	34.236232	24.448143	38.727653	6.16098005	5.69976476	6.40229181	2770	2674	4036
9048	NM_001136215,NM_057090,NM	ARTN	artemin	1.026397482	1.184534285	1.419606	1.447795	1.562992	1.87753473	1.90501868	2.05953665	105	144	153
494514	NM_001012716	TYMSOS	TYMS opposite strand	-1.762632453	1.184435926	2.159647	1.223779	2.414706	1.47662927	1.00745609	1.63800401	70	53	102
57685	NM_001293274,NM_020925	CACHD1	cache domain containing 1	1.211919181	1.184338283	1.431312	1.723249	1.574547	3.06370142	3.31058687	3.28075123	289	468	421
100129794	NR_033240	SLC25A21-AS1	SLC25A21 antisense RNA 1	1.353416497	1.18431697	2.383213	3.248239	2.666997	2.3579234	2.71931318	2.5576298	162	293	236
9918	NM_014865	NCAPD2	non-SMC condensin I complex su	-1.1006015	1.184086665	44.897186	40.838402	49.954174	7.72168503	7.58407836	7.96439979	8248	10013	12012
54751	NM_001024215,NM_001024216	FBLIM1	filamin binding LIM protein 1	-1.412558973	1.183894522	12.857935	9.800064	15.41109	5.38998216	4.90575769	5.62818389	1607	1520	2340
65124	NM_023016	SOWAHC	sosondowah ankyrin repeat doma	1.399887754	1.183866044	3.904372	5.474687	4.346055	4.22515306	4.68831976	4.45666286	695	1300	1012
9639	NM_001308152,NM_001308153	ARHGEF10	Rho guanine nucleotide exchang	-1.104071752	1.183735355	8.364792	7.634349	9.274913	5.52618969	5.38660128	5.7646828	1770	2142	2577
201725	NM_001008393,NR_077234,NR	C4orf46	chromosome 4 open reading fran	-1.111296988	1.183522926	7.24608	6.44871	7.918766	4.66827758	4.52231714	4.90256532	959	1153	1396
7730	NM_001172651,NM_003451	ZNF177	zinc finger protein 177	-1.464353624	1.183404086	0.719412	0.495242	0.806874	1.44997615	1.12560759	1.60891398	68	62	99
56252	NM_019589	YLPM1	YLP motif containing 1	1.407483339	1.183349667	8.694906	12.253394	9.670073	6.12720707	6.61435345	6.36689119	2705	5087	3937
8370	NM_003548,NM_003548_dup1	HIST2H4A	histone cluster 2 H4 family memb	1.969248623	1.183294994	5.214502	10.294545	5.763483	1.59082596	2.31185141	1.75769337	79	208	115
54058	NM_001286462,NM_001286463	C21orf58	chromosome 21 open reading fra	-1.031516347	1.183204033	9.2659	9.040999	9.958123	4.50146728	4.45870114	4.73429846	850	1101	1237
56997	NM_020247	COQ8A	coenzyme Q8A	1.037466666	1.18316035	6.994185	7.26024	7.778918	4.38670105	4.43728	4.61886105	782	1084	1138
694	NM_001731	BTG1	BTG anti-proliferation factor 1	1.184645712	1.182641967	13.292782	15.762989	14.772149	5.94416257	6.18497139	6.18256308	2378	3764	3459
6837	NM_133640,NM_181491	MED22	mediator complex subunit 22	1.449018005	1.182602729	8.433475	12.133666	9.39764	5.00451141	5.52563064	5.23954048	1221	2364	1776
254295	NM_001100876,NM_001100877	PHYHD1	phytanoyl-CoA dioxygenase dom	-9.298919168	1.182486647	1.882489	0.193898	2.088218	2.29940604	0.50527715	2.49540988	154	22	224
58506	NM_021228	SCAF1	SR-related CTD associated facto	-1.031665093	1.182481679	26.924259	26.124912	29.917213	6.83372816	6.7891528	7.07359842	4439	5749	6456
118788	NM_152309	PIK3AP1	phosphoinositide-3-kinase adapte	-7.82546016	1.182321849	1.72233	0.219772	1.911162	3.18179291	1.02107213	3.39875952	317	54	461
9554	NM_004892	SEC22B	SEC22 homolog B, vesicle traffic	1.044744475	1.182259948	26.482065	27.705427	29.427889	5.63149439	5.69340099	5.86856107	1907	2662	2773
80019	NM_024954	UBTD1	ubiquitin domain containing 1	-1.555896645	1.182191639	8.746028	5.626354	9.710252	3.94641713	3.35963909	4.17342809	566	486	823
10181	NM_005778,NR_036627	RBM5	RNA binding motif protein 5	1.137095464	1.182068875	28.393649	32.400084	31.835032	6.44994873	6.63331653	6.68872607	3393	5155	4933
9672	NM_014654	SDC3	syndecan 3	1.558219287	1.18197051	2.485408	3.877605	2.763115	3.74463792	4.34556265	3.96921401	487	1014	708
81573	NM_030816	ANKRD13C	ankyrin repeat domain 13C	-1.098172077	1.181916225	4.981487	4.544317	5.537285	4.83333524	4.7031771	5.0666753	1080	1314	1570
10209	NM_005801	EIF1	eukaryotic translation initiation fa	-1.166043162	1.181820428	506.018097	434.438141	561.968079	9.35377093	9.13251481	9.59444346	25648	29389	37281
692085	NR_003042	SNORD45C	small nucleolar RNA, C/D box 45	1.020492746	1.181693594	7.136403	7.496786	8.032857	0.64188297	0.65251278	0.73352601	22	30	32
54462	NM_001284240,NM_001284241	CCSER2	coiled-coil serine rich protein 2	-1.338788824	1.181624323	4.063772	3.010466	5.591176	4.70677986	4.30439709	4.93905904	986	984	1433
260425	NM_001142782,NM_152900	MAGI3	membrane associated guanylate	-1.04755947	1.181398644	1.977669	1.815665	2.224069	3.78251604	3.72044785	4.0068703	501	639	728
29803	NM_001099695,NM_001099696	REPIN1	replication initiator 1	-1.587839741	1.181376566	29.120113	18.573585	31.81824	6.45540274	5.79794319	6.69335261	3406	2866	4949
55111	NM_001300836,NM_018049	PLEKHJ1	pleckstrin homology domain cont	1.006571955	1.181130591	28.574523	28.812323	31.645507	5.1492545	5.15844008	5.38319304	1354	1821	1967
25902	NM_001242767,NM_001242768	MTHFD1L	methylenetetrahydrofolate dehyd	1.270513382	1.18097979	9.872839	11.040966	9.496318	4.66827758	5.00159078	4.89956551	959	1628	1393
27309	NM_001292002,NM_014487	ZNF330	zinc finger protein 330	-1.172866719	1.180820136	27.318574	23.342828	30.340704	5.68675843	5.46153982	5.92226458	1983	2259	2880
55124	NM_001135721,NM_001330480	PIWIL2	piwi like RNA-mediated gene sile	1.424697675	1.180777034	0.060279	0.092587	0.076838	0.35634914	0.48576948	0.41288872	11	21	16
682	NM_001322243,NM_001728,NM	BSG	basigin (Ok blood group)	1.145199835	1.180739146	335.627021	384.827168	372.511971	9.15475131	9.35003059	9.39405519	22338	34180	32440
132789	NM_001270880,NM_001270881	GNPDA2	glucosamine-6-phosphate deami	-1.349317974	1.180722434	8.224337	6.19097	9.224046	4.25817433	3.85197241	4.48629114	712	705	1034

342371	NM_001137675	ATXN1L	ataxin 1 like	1.169347771	1.180714025	8.397079	9.832064	9.318309	6.03326541	6.25578446	6.26955915	2532	3956	3677
55435	NM_001128426,NM_018569,NR	AP1AR	adaptor related protein complex	-1.001205631	1.180704666	4.978074	4.998573	5.503381	4.89638579	4.89470572	5.12862225	1130	1508	1641
10254	NM_005843	STAM2	signal transducing adaptor molec	1.100714357	1.18065082	4.694619	5.177332	5.213488	4.75928446	4.89285546	4.99071621	1024	1506	1487
389538	NR_002822	MGC72080	MGC72080 pseudogene	1.268773315	1.180265729	7.371102	9.370424	8.166501	2.58923814	2.8811152	2.79136857	197	334	286
84852	NR_024124,NR_024125,NR_02	ATP1A1-AS1	ATP1A1 antisense RNA 1	1.038107159	1.180018171	1.631224	1.955224	1.72503	1.75224037	1.79043244	1.92438744	93	129	135
25962	NM_015496,NM_183009	KIAA1429	KIAA1429	-1.079362158	1.179859475	13.093806	11.856056	13.804875	6.19949123	6.09086509	6.43511915	2846	3523	4130
56904	NM_001287045,NM_001287046	SH3GLB2	SH3 domain containing GRB2 lik	-1.062669725	1.179624785	31.15508	29.372296	34.24484	6.12299522	6.03659509	6.3581768	2697	3391	3913
100506084	NM_001039083,NM_001103154	ARL17B	ADP ribosylation factor like GTP	5.152277941	1.179585714	1.231856	3.441233	1.265617	0.83964067	2.34470901	0.95003448	31	214	45
26046	NM_001320766,NM_015565	LTN1	listerin E3 ubiquitin protein ligase	1.064436541	1.17943864	6.526226	6.958696	7.264534	5.65210193	5.74045883	5.8858434	1935	2752	2807
57692	NM_020932	MAGEE1	MAGE family member E1	1.517561509	1.179354778	0.998857	1.52371	1.110581	2.20692365	2.69827959	2.39673966	142	288	206
55670	NM_001127649,NM_001199319	PEX26	peroxisomal biogenesis factor 26	1.557626802	1.1793014	17.059967	26.795655	19.303875	6.14860191	6.78067287	6.38344806	2746	5715	3983
55197	NM_001303411,NM_001303412	RPRD1A	regulation of nuclear pre-mRNA	1.08079939	1.179297395	9.520663	9.177864	9.145391	5.03956952	5.14839425	5.27083173	1252	1808	1816
1652	NM_001084392,NM_001355	DDT	D-dopachrome tautomerase	1.27677555	1.179079668	69.646252	91.495384	77.437816	5.46877296	5.81220815	5.69948515	1697	2895	2461
55294	NM_001013415,NM_001257099	FBXW7	F-box and WD repeat domain co	-1.04275304	1.178798612	7.987539	7.624239	9.065141	5.23175921	5.17299774	5.46325552	1436	1840	2082
6929	NM_001136139,NM_001351778	TCF3	transcription factor 3	1.215455988	1.178594858	21.665943	26.269027	22.913825	6.39904131	6.67751372	6.63352381	3274	5317	4746
2308	NM_002015	FOXO1	forkhead box O1	1.430260501	1.178282718	0.715991	1.029619	0.7966	2.32896139	2.75641772	2.52166171	158	302	229
11168	NM_001128217,NM_001317898	PSIP1	PC4 and SFRS1 interacting prote	1.25297999	1.178190194	33.305411	39.223437	36.142927	6.30967929	6.63137592	6.5435063	3075	5148	4456
1938	NM_001961	EEF2	eukaryotic translation elongation	1.166593389	1.178157702	399.798767	466.914032	442.63092	10.26474887	10.48688366	10.5011047	48261	75225	69933
222658	NM_001286579,NM_001286580	KCTD20	potassium channel tetramerizatic	-1.2809051	1.178132609	5.765599	4.456563	6.418066	4.98839509	4.64390751	5.21802858	1207	1259	1749
388324	NM_001167985,NM_001167986	INCA1	inhibitor of CDK, cyclin A1 interac	-2.41097265	1.177926435	0.332534	0.130776	0.398524	0.59399636	0.27464693	0.6785857	20	11	29
286148	NM_181787	DPY19L4	dpy-19 like 4 (C. elegans)	-1.125354293	1.177904174	5.934956	5.280073	6.570089	5.2110752	5.04555672	5.44141974	1415	1680	2050
7840	NM_015120	ALMS1	ALMS1, centrosome and basal b	1.695396478	1.177855873	1.57809	2.679268	1.747056	4.38318339	5.11624515	4.60889895	780	1767	1130
9019	NM_001146191,NM_003953,NM	MPZL1	myelin protein zero like 1	1.150537128	1.177782346	14.882565	17.032643	16.421986	6.19197132	6.39170165	6.42507101	2831	4352	4101
57799	NM_001172663,NM_001172664	RAB40C	RAB40C, member RAS oncogen	1.20069946	1.177749616	10.199342	12.34529	11.291757	4.75520813	5.01015048	4.98317903	1021	1638	1479
23512	NM_001321207,NM_015355	SUZ12	SUZ12 polycomb repressive com	1.108867581	1.177676381	20.508453	22.756911	22.741953	6.49545999	6.64298064	6.72899562	3503	5190	5074
3958	NM_001177388,NM_002306,NR	LGALS3	galectin 3	1.278725075	1.177481149	363.988648	485.484066	409.975739	8.6986746	9.05262573	8.93385659	16273	27803	23567
1969	NM_001329090,NM_004431	EPHA2	EPH receptor A2	-1.582009293	1.177477119	175.538849	111.294757	195.166115	9.41065196	8.75012372	9.64603236	26681	22534	38640
84937	NM_032268	ZNRF1	zinc and ring finger 1	-1.034378847	1.177450003	10.352524	10.019579	11.454894	5.5763411	5.5286127	5.80745591	1834	2369	2656
5883	NM_001243224,NM_004584	RAD9A	RAD9 checkpoint clamp compon	-1.036159468	1.177394469	19.269071	18.413268	21.087513	5.26940291	5.21950507	5.49937013	1475	1902	2136
22857	NM_001198850,NM_001198851	FOXJ3	forkhead box J3	1.189561733	1.177205005	17.813593	21.363288	19.860821	6.49912087	6.74701411	6.73209045	3512	5582	5085
6843	NM_001297438,NM_014231,NM	VAMP1	vesicle associated membrane pr	1.232674876	1.177031459	5.411557	6.565821	5.857961	4.05209571	4.33742297	4.27414582	612	1008	886
284365	NR_038359	LINC01869	long intergenic non-protein codin	-1.106637167	1.17683836	0.78537	0.714454	0.882954	0.79797761	0.73744528	0.90287695	29	35	42
5090	NM_001134778,NM_001330782	PBX3	PBX homeobox 3	-1.195814295	1.176587257	8.166167	6.871955	9.082339	4.51920371	4.27344453	4.74436548	861	962	1246
51101	NM_016010	ZC2HC1A	zinc finger C2HC-type containing	-1.151001821	1.176552092	3.539846	3.082838	3.915998	3.65121051	3.46550967	3.8684907	454	527	657
64062	NM_001286631,NM_001286632	RBM26	RNA binding motif protein 26	1.072852985	1.176337583	8.741368	9.34923	9.630821	5.48657849	5.58585016	5.71606286	1721	2467	2490
2592	NM_000155,NM_001258332	GALT	galactose-1-phosphate uridylyltra	1.193701857	1.1762516	9.018863	10.761887	9.947739	3.72253824	3.96018541	3.94031242	479	764	693
114883	NM_001330580,NM_001350208	OSBPL9	oxysterol binding protein like 9	1.194081122	1.176141427	23.164223	29.656214	27.248208	6.46375348	6.71700246	6.69537206	3426	5466	4956
254428	NM_173854	SLC41A1	solute carrier family 41 member	1.414277673	1.176045081	7.985171	11.307961	8.827104	5.32271189	5.81220815	5.55126453	1532	2895	2216
9711	NM_001145642,NM_001346873	RUBCN	RUN and cysteine rich domain co	-1.335588984	1.176001256	7.308985	5.47754	8.074531	6.06763988	5.6573446	6.29831595	2594	2595	3752
7037	NM_001128148,NM_001313965	TFRC	transferrin receptor	1.769940081	1.175988054	42.905114	75.945734	47.488706	7.73571752	8.55647872	7.96858055	8329	19697	12047
115209	NM_145243	OMA1	OMA1 zinc metallopeptidase	-1.13650872	1.175879697	13.083507	11.52471	14.459143	4.68122618	4.50425245	4.90655538	968	1138	1400
10331	NM_014256	B3GNT3	UDP-GlcNAc:betaGal beta-1,3-N	1.061040929	1.17583663	34.694546	36.857212	38.341675	6.53760293	6.62219199	6.76899367	3608	5115	5218
23215	NM_015172	PRRC2C	proline rich coiled-coil 2C	-1.013628618	1.175821681	28.276674	27.927898	31.245083	8.16434239	8.14488157	8.39726166	11224	14795	16232
22884	NM_014023	WDR37	WD repeat domain 37	1.126313036	1.175687422	7.516625	8.472733	8.304806	5.11890861	5.2858656	5.34621347	1325	1994	1916
26574	NM_012138	AATF	apoptosis antagonizing transcript	1.259250546	1.175463847	45.183	57.633293	50.502396	6.58965693	6.91914353	6.82065577	3742	6296	5410
6993	NM_001291602,NM_001291603	DYNLT1	dynein light chain Tctex-type 1	1.074177833	1.175449515	58.196187	62.56544	64.290783	6.58502991	6.58183624	6.70922621	1714	2460	2478
23580	NM_012121	CDC42EP4	CDC42 effector protein 4	1.000752939	1.175431241	40.009838	40.087975	44.198174	6.92848243	6.9295594	7.15990887	4743	6342	6857
55100	NM_001345998,NM_001345999	WDR70	WD repeat domain 70	1.125974758	1.175179768	6.765551	7.60684	7.425334	3.92963473	4.0902069	4.14837451	559	841	808
54469	NM_001242911,NM_001242912	ZFAND6	zinc finger AN1-type containing 6	-1.147145788	1.175112365	33.992005	29.880343	37.06545	5.80057409	5.60631865	6.02952154	2149	2503	3106
142	NM_001618	PARP1	poly(ADP-ribose) polymerase 1	1.21749205	1.175026143	33.304123	40.597004	36.781036	7.02503325	7.30697082	7.25607987	5074	8254	7333
3110	NM_001165255,NM_005515	MNX1	motor neuron and pancreas hom	-3.238336977	1.175001141	1.444069	0.448073	1.611039	2.01115992	0.95166931	2.18966672	119	49	172
25949	NM_015484,NM_207170	SYF2	SYF2 pre-mRNA splicing factor	-1.014820785	1.174895631	29.349201	29.000658	32.469574	5.69387492	5.67306183	5.92226458	1993	2624	2880
7158	NM_001141979,NM_001141980	TP53BP1	tumor protein p53 binding protein	1.223739341	1.174770466	13.366554	16.374967	14.754054	6.35572529	6.64380598	6.58548856	3176	5193	4589
81609	NM_001330723,NM_030918	SNX27	sorting nexin family member 27	-1.023332075	1.174729799	9.8732	9.637609	10.700658	5.99055812	5.9578116	6.21951784	2457	3208	3550
100505573	NM_001301268	INAFM2	InaF motif containing 2	1.387796299	1.174583317	8.9763	12.474712	9.910284	4.60021751	5.05634199	4.82352399	913	1693	1319
11104	NM_001204076,NM_007044	KATNA1	katanin catalytic subunit A1	1.20151258	1.174554604	6.404971	7.674674	6.967986	3.72253824	3.96899357	3.93836491	479	769	692
933	NM_001185099,NM_001185100	CD22	CD22 molecule	-1.537474761	1.174486118	7.514265	4.912077	8.296655	4.56959435	3.98123534	4.79259544	893	776	1290
57466	NM_001145444,NM_001145445	SCAF4	SR-related CTD associated facto	-1.139806404	1.174449784	10.181332	8.95419	11.234891	5.42632706	5.24220835	5.65333437	1649	1933	2382
115294	NM_001286782,NM_001286783	PCMTD1	protein-L-isoaspartate (D-asparta	-1.158132244	1.174437675	14.547393	12.430221	15.891526	5.89499076	5.68700902	6.12336578	2297	2650	3318
54812	NM_001002243,NM_017657,NM	AFTPH	aftiphilin	1.182503717	1.174334521	11.621576	10.825788	15.310725	5.54696516	5.53717864	5.64744438	1519	2400	2194
166379	NM_001178007,NM_152618	BBS12	Bardet-Biedl syndrome 12	1.039466219	1.174286247	1.292429	1.357331	1.436509	2.3579234	2.40307061	2.6744438	162	225	234
2300	NM_005250	FOXL1	forkhead box L1	-1.425401186	1.174082698	16.487961	11.582532	18.193048	5.7065968	5.2069152	5.9340406	2011	1885	2904
1798	NM_001382	DPAGT1	dolichyl-phosphate N-acetylgluco	-2.042847694	1.173919666	32.192959	15.768855	35.510487	6.09046901	5.08173995	6.31867157	2636	1724	3806
693130	NR_030382	MIR548D1	microRNA 548d-1	-1.334792626	1.17386541	9.666614	7.102761	10.670473	0.93882015	0.75384785	1.05442063	36	36	52
865	NM_001755,NM_022845	CBFB	core-binding factor beta subunit	-1.233141724	1.173852789	24.943396	20.202359	27.451295	5.62219865	5.96222966	6.4886678	2970	3218	4288
10137	NM_001198838,NM_001198840	RBM12	RNA binding motif protein 12	1.291435648	1.173839719	14.482998	18.708352	15.958223	6.57277081	6.93833172	6.80176645	3698	6381	5339
84445	NM_001318099,NM_001318100	LZTS2	leucine zipper tumor suppressor	-1.437282001	1.173712494	23.187112	16.180218	25.407264	6.01519803	5.50154961	6.24298142	2500	2324	3609
55247	NM_018248	NEIL3	nei like DNA glycosylase 3	1.13475643	1.173678516	11.088041	12.602056	12.232906	4.75248416	4.92851423	4.97560227	1019	1545	1471
51257	NM_001005415,NM_001005416	MARCH2	membrane associated ring-CH-ty	1.014607523	1.173569467	4.186746	4.477112	4.870725	2.82529613	2.84329233	3.02586351	239	324	345
79893	NM_024835	GGNBP2	gametogenetin binding protein 2	1.043367143	1.173557555	58.896221	61.515453	64.949554	7.35880455	7.41968708	7.58839643	6405	8929	9245
2444	NM_002031	FRK	fyn related Src family tyrosine kin	-1.408103435	1.173275262	0.887441	0.626955	0.975834	1.79522562	1.4614436	1.96321628	97	92	140
8714	NM_001144070,NM_003786	ABCC3	ATP binding cassette subfamily C	1.346760375	1.173261325	102.857067	138.95604	112.827609	8.99331363	9.42207973	9.2234211	19969	35933	28816
8733	NM_003801	GPAA1	glycosylphosphatidylinositol anch	1.285041369	1.173259729	32.104511	41.30352	35.400093	6.03606811	6.39301127	6.26334948	2537	4356	3661
5527	NM_001161725,NM_001161726	PPP2R5C	protein phosphatase 2 regulatory	1.069555708	1.17299806	64.311008	68.341342	62.947378	7.07984401	7.17616385	7.30847548	5272	7534	7606
22794	NM_007359	CASC3	cancer susceptibility 3	1.130128507	1.172942468	17.839525	20.185354	19.666624	6.20198918	6.37622391	6.42923735	2851	4305	4113
64418	NM_001287497,NM_022484,NR	TMEM168	transmembrane protein 168	-5.035295193	1.172706165	4.227235	0.839033	4.655346	4.95679582	2.80050884	5.17979929	313	1180	1702
27069	NM_014394	GHITM	growth hormone inducible transm	-1.235673985	1.172503172	63.466122	51.420639	69.930832	7.25123928	6.94816508	7.47944121	5942	6425	8569
1022	NM_001324069,NM_001324070	CDK7	cyclin dependent kinase 7	-1.011790638	1.172452408	41.884126	41.067163	45.008972	5.90973571	5.89310706	6.13574112	2321	3065	3347
60559	NM_021928	SPCS3	signal peptidase complex subunit	1.059436568	1.172435709	29.013006	30.768091	31.962374	7.03150809	7.11418819	7.25939875	5097	7215	7350
55148	NM_175748,NR_038150	UBR7	ubiquitin protein ligase E3 compc	-1.042893259	1.172397564	13.116399	12.65442	14.473911	5.59090027	5.53158861	5.81596651	1853	2374	2672
100506621	NR_109779	LINC01279	long intergenic non-protein codin	2.970309729	1.172261045	0.043588	0.134158	0.046341	0.29776659	0.75384785	0.34394329	9	36	13
100616314	NR_039905	MIR4750	microRNA 4750	1.244483702	1.172261045	4.144361	5.028633	4.597725	0.29776659	0.36283659	0.34394329	9	15	13
105374546	NR_134673,NR_134674,NR_13	LOC105374546	uncharacterized LOC105374546	-1.980810008	1.172261045	0.445643	0.237595	0.428609	0.29776659	0.15624221	0.34394329	9	6	13
100422943	NR_036156	MIR3189	microRNA 3189	-2.937033591	1.172261045	3.012468	1.05811	3.394182	0.29776659	0.10601836	0.34394329	9	4	13
22864	NM_001330121,NM_001330122	R3HDM2	R3H domain containing 2	-1.228115244	1.172182057	14.799257	12.123045	16.332912	5.98360608	5.69233762	6.20945938	2445	2660	3525
9553	NM_004891,NM_145330	MRPL33	mitochondrial ribosomal protein L	-1.035804049	1.172135329	105.774054	102.783445	117.066746	5.69671172	5.64695348	5.92177183	1997	2576	2879
55364	NM_018439	IMPACT	impact RWD domain protein	1.116699984	1.172005354	14.456774	16.163183	15.92113	5.75230681	5.90875638	5.97736388	2077	3099	2994
5476	NM_000308,NM_001127695,NM	CTSA	cathepsin A	1.282843931	1.171995446	65.30024	83.841623	71.631166	7.60667574	7.96439297	7.83455915	7613	13049	10974
27342	NM_001287060,NM_001287061	RABGEF1	RAB guanine nucleotide exchang	-1.536941255	1.171815554	13.882352	8.897892	15.59844	5.61883752	5.01441136	5.84328426	1890	1643	2724
83692	NM_001184808,NM_001242614	CD99L2	CD99 molecule like 2	1.563707941	1.171332379	3.141723	4.980275	3.464912	3.63059014	4.23306486	3.84165053	447	934	644
10984	NR_002728	KCNQ1OT1	KCNQ1 opposite strand/antisens	1.619650457	1.171264259	0.264133	0.428422	0.29078	4.61977956	5.29289816	4.83926507	926	2004	1334
91782	NM_001317899,NM_152272	CHMP7	charged multivesicular body prot	-1.087490003	1.171024905	10.78959	10.048054	10.702864	4.95797859	4.8410207	5.17897479	1181	1451	1701
56894	NM_001037553,NM_020132	AGPAT3	1-acylglycerol-3-phosphate O-ac	-1.162790798	1.170976013	13.788377	11.870696	15.17089	6.47577684	6.26081446	6.70112641	3455	3970	4976
151246	NM_001160033,NM_001160046	SGO2	shugoshin 2	1.329538317	1.170818202	10.626705	14.276552	11.791968	5.58325587	5.9867238	5.80638855	1843	3274	2654
22938	NM_001318844,NM_012245	SNW1	SNW domain containing 1	1.135071972	1.17069417	54.291733	61.845987	60.217228	6.83983616	7.02112453	7.06536813	4458	6761	6419
55719	NM_001136123,NM_001243770	SLF2	SMC5-SMC6 complex localizatio	-1.511849326	1.170570907	11.754984	8.273714	12.830656	6.05553602	5.47025157	6.27959322	2572	2273	3703
93517	NM_145168	SDR42E1	short chain dehydrogenase/reduc	1.33093583	1.170465875	5.230202	6.967554	5.748833	3.9199564	4.30856691	4.13313083	555	987	799
8848	NM_001243797,NM_001243798	TSC22D1	TSC22 domain family member 1	2.655265013	1.170174268	12.404903	32.456272	13.62895	5.47918324	6.86779052	5.70120895	1712	6074	2464
57459	NM_020699	GATAD2B	GATA zinc finger domain contain	-1.037768424	1.170165095	6.048225	5.834952	6.650739	5.45843972	5.4061905	5.6803862	1687	2172	2428

9477	NM_001305455,NM_001305456	MED20	mediator complex subunit 20	-1.180713069	1.170162176	5.379971	4.478749	5.807659	3.76370129	3.54305919	3.9749255	494	559	711
8698	NM_003775	S1PR4	sphingosine-1-phosphate recepto	1.077414227	1.170030808	0.409077	0.430251	0.450153	0.71085839	0.75384785	0.80366934	25	36	36
8228	NM_001142389,NM_001172672	PNPLA4	patatin like phospholipase domai	1.540864202	1.169828615	4.36335	6.631639	4.639387	3.66286259	4.2461677	3.872576	458	943	659
56654	NM_015392	NPDC1	neural proliferation, differentiatior	-1.026864102	1.169571277	70.423691	68.664093	77.414055	6.72503406	6.68715411	6.94904089	4114	5353	5918
339324	NM_001012756,NM_001166036	ZNF260	zinc finger protein 260	-1.057182525	1.169527833	6.340978	5.945656	6.965262	5.09222606	5.01441136	5.31202633	1300	1643	1870
90196	NM_001099791,NM_001197129	SYS1	SYS1, golgi trafficking protein	1.053017649	1.169478487	10.920775	11.511907	12.03377	4.95324168	5.0254311	5.17236179	1177	1656	1693
5714	NM_002812	PSMD8	proteasome 26S subunit, non-AT	-1.164907044	1.169346638	82.000854	70.460976	90.104652	6.95271359	6.73441285	7.1767334	4824	5533	6938
100134869	NR_004847,NR_004847_dup1	UBE2Q2P2	ubiquitin conjugating enzyme E2	-1.247926633	1.16931915	0.975206	0.773099	1.061437	1.29387258	1.11294744	1.43197761	57	61	82
1915	NM_001402	EEF1A1	eukaryotic translation elongation	1.16214943	1.16927405	920.657349	1071.121582	1011.605225	11.62070125	11.83743308	11.84624821	123593	191912	177743
7398	NM_001017415,NM_001017416	USP1	ubiquitin specific peptidase 1	1.064780724	1.169143047	19.964788	21.286142	21.940924	6.27782897	6.36725676	6.50059565	3007	4278	4324
55112	NM_001350914,NM_001350915	WDR60	WD repeat domain 60	1.099758285	1.169109204	7.618632	8.244377	8.311927	4.87400371	5.00673269	5.09229974	1112	1634	1599
11039	NR_024054,NR_029426	SMA4	glucuronidase beta pseudogene	1.398223379	1.168993299	1.929581	2.722683	2.218315	2.16656821	2.55587612	2.34475282	137	256	197
369	NM_001256196,NM_001256197	ARAF	A-Raf proto-oncogene, serine/thr	1.17666967	1.168880417	12.407456	14.912556	13.422374	4.87775825	5.10510125	5.09579869	1115	1753	1603
51076	NM_015960	CUTC	cutC copper transporter	-1.841268412	1.16882198	9.956368	5.414108	10.938514	3.83495865	3.03667667	4.04537929	521	378	749
100533496	NM_001204478,NR_037924	TVP23C-CDRT4	TVP23C-CDRT4 readthrough	1.1585933	1.168715205	3.735546	4.331577	4.151812	3.53555296	3.7308426	3.74245532	416	644	598
153830	NM_001199380,NM_001199381	RNF145	ring finger protein 145	1.374318031	1.168665493	24.598661	33.870311	27.018012	6.45372678	6.90796502	6.67621822	3402	6247	4890
56906	NM_020147	THAP10	THAP domain containing 10	-1.181565698	1.168653242	2.246803	1.896858	2.461903	2.45494311	2.2611178	2.64141996	176	199	253
3105	NM_001242758,NM_002116	HLA-A	major histocompatibility complex,	-1.12048613	1.168636847	395.640266	353.497834	434.501037	9.27985092	9.11600498	9.50434361	24365	29054	35021
8887	NM_001079864,NM_001206901	TAX1BP1	Tax1 binding protein 1	-1.313661034	1.168572017	46.708047	35.570851	51.306689	7.27135934	6.88068447	7.49476209	6026	6129	8661
26049	NM_015566,NR_046462	FAM169A	family with sequence similarity 16	1.061393506	1.168511621	3.912097	4.159186	4.30072	4.56804599	4.65049289	4.78394543	892	1265	1282
10819	NR_045002	OR7E14P	olfactory receptor family 7 subfar	-1.439055442	1.168510825	6.292762	4.369627	6.911343	3.01906833	2.56983975	3.21791812	279	259	401
7320	NM_003337	UBE2B	ubiquitin conjugating enzyme E2	-1.089236885	1.168468972	19.674437	18.079409	21.604063	5.68533091	5.56450605	5.90591399	1981	2430	2847
1434	NM_001256135,NM_001316,NR	CSE1L	chromosome segregation 1 like	1.152688192	1.168466417	74.371308	85.774392	82.781223	8.03427774	8.23855288	8.25810262	10253	15791	14735
2323	NM_001204502,NM_001204503	FLT3LG	fms related tyrosine kinase 3 liga	-1.195932049	1.168217924	5.36497	4.466792	5.877753	2.73434891	2.51796519	2.92718897	222	248	319
100861541	NR_047482	DOCK9-AS2	DOCK9 antisense RNA 2 (head t	-1.85364595	1.16817149	0.439236	0.233237	0.480876	0.86002952	0.52452456	0.96541723	32	23	46
283209	NM_173582	PGM2L1	phosphoglucomutase 2 like 1	1.508334861	1.168104235	1.990488	3.006573	2.185773	4.12971807	4.69470593	4.34201172	648	1306	931
64397	NM_001284306,NM_001284307	ZNF106	zinc finger protein 106	-1.001846241	1.167979626	4.908964	4.903718	5.970912	5.72755378	5.72494281	5.94765889	2041	2722	2932
56850	NM_020137	GRIPAP1	GRIP1 associated protein 1	1.181753895	1.167810988	11.232662	13.295555	12.329981	5.09652857	5.33097613	5.31428079	1304	2059	1873
401647	NM_001010917	GOLGA7B	golgin A7 family member B	1.44896793	1.167804768	0.511014	0.741749	0.558783	0.72360076	2.49862948	2.2474368	126	244	181
54902	NM_001271420,NM_017775	TTC19	tetratricopeptide repeat domain 1	1.103498444	1.167665854	14.904915	16.315593	16.382064	5.70800345	5.84750424	5.92767366	2013	2968	2891
25844	NM_015388	YIPF3	Yip1 domain family member 3	1.158314161	1.167640833	26.636095	30.886635	29.233536	5.3882284	5.59555204	5.60688496	1605	2484	2305
100271722	NR_027036	LINC00899	long intergenic non-protein codin	2.157357645	1.167217362	1.254248	2.728026	1.380571	1.57857476	2.40307061	1.73094093	78	225	112
55764	NM_001280541,NM_001280545	IFT122	intraflagellar transport 122	1.651177949	1.167152503	6.980233	11.580566	7.61931	5.44610818	5.54461018	5.05683538	1086	2396	1559
23293	NM_001256827,NM_001256828	SMG6	SMG6, nonsense mediated mRN	1.228531445	1.166883486	3.520814	5.512429	4.094465	4.40935908	4.69364353	4.62230487	795	1305	1141
55544	NM_001291780,NM_017495,NM	RBM38	RNA binding motif protein 38	1.60012219	1.166633865	6.821076	11.101902	7.57652	4.09142887	4.73760421	4.30167645	630	1347	904
673	NM_004333	BRAF	B-Raf proto-oncogene, serine/thr	-1.013098621	1.16648367	2.442075	2.417774	2.680801	3.00540462	2.98897501	3.20177275	276	364	396
93594	NM_001145088,NM_001330606	TBC1D31	TBC1 domain family member 31	1.03741492	1.166358887	10.491973	10.852665	11.532788	5.17897521	5.23053515	5.39531188	1383	1917	1984
9679	NM_014661	FAM53B	family with sequence similarity 5	-1.219458263	1.166091692	2.284497	1.875741	2.506256	3.78518394	3.5216664	3.99192552	502	550	720
22905	NM_001102664,NM_014964,NM	EPN2	epsin 2	1.462242055	1.166039962	4.824846	7.577469	5.361902	4.52719419	5.05551521	4.73989992	866	1692	1242
3866	NM_002275	KRT15	keratin 15	-1.698032078	1.16584383	28.080111	16.551798	30.762726	5.68103985	4.9366195	5.8984202	1975	1554	2832
113622	NM_138430,NM_199162	ADPRHL1	ADP-ribosylhydrolase like 1	-1.128077622	1.165841524	1.044421	0.867401	1.14276	1.55375576	1.44132992	1.70368302	76	90	109
54872	NM_001127178,NM_001289051	PIGG	phosphatidylinositol glycan ancho	1.227084972	1.165674415	22.107221	27.240119	24.518459	6.31430441	6.60618982	6.5328977	3085	5058	4423
166378	NM_001317799,NM_001345856	SPATA5	spermatogenesis associated 5	-1.223016792	1.16556951	1.93674	1.563228	2.271818	4.01393646	3.74321825	4.22226663	595	650	853
6597	NM_001128844,NM_001128845	SMARCA4	SWI/SNF related, matrix associa	1.148034989	1.165261857	30.797865	35.391565	33.707353	7.32711689	7.52512768	7.54649995	6265	9610	8979
285343	NM_001029839,NM_001029840	TCAIM	T-cell activation inhibitor, mitochc	-1.131475317	1.16495104	3.702866	3.199986	4.130886	3.36414578	3.20419534	3.56449618	365	431	523
669	NM_001293085,NM_001724,NM	BPGM	bisphosphoglycerate mutase	-2.034628899	1.164811994	9.674358	4.759635	10.594118	4.15875275	3.21312006	4.36539258	661	434	947
5277	NM_002641,NM_020473,NR_03	PIGA	phosphatidylinositol glycan ancho	1.005528746	1.164705326	2.83024	3.000565	3.428465	3.46076162	3.46799726	3.66213029	393	528	563
101410538	NR_102705,NR_102706	MMP24-AS1	MMP24 antisense RNA 1	-1.171997294	1.164560661	15.827079	13.612434	17.493075	4.80338004	4.58324605	5.01586734	1057	1205	1514
197258	NM_145059	FUK	fucokinase	-1.02786266	1.164511781	6.669814	6.49974	7.304206	4.72217607	4.68404654	4.93418107	997	1296	1428
4076	NM_005898,NM_203364	CAPRIN1	cell cycle associated protein 1	-1.037185829	1.164279667	58.564724	56.788052	67.263287	8.24431706	8.19181908	8.46308516	11866	15286	16992
10194	NM_001308210,NM_005786	TSHZ1	teashirt zinc finger homeobox 1	-1.493005826	1.164038949	2.839234	1.939715	3.106595	3.88804577	3.35695728	4.09342686	542	485	776
2531	NM_002035	KDSR	3-ketodihydrosphingosine reduct	1.006477083	1.164033148	6.886919	6.941969	7.535287	5.1647037	5.17375987	5.37817319	1369	1841	1960
79983	NM_001307940,NM_024921	POF1B	premature ovarian failure, 1B	-1.227880561	1.163991594	7.386548	6.171207	8.26717	4.87400371	4.58897123	5.08615607	1112	1210	1592
4218	NM_005370	RAB8A	RAB8A, member RAS oncogene	-1.006318182	1.163988257	46.485447	46.250797	50.850853	6.63731632	6.6283211	6.85435545	3869	5137	5539
26507	NM_001345887,NM_001345888	CNNM1	cyclin and CBS domain divalent r	-1.016254045	1.163975064	2.430226	2.375246	2.686719	3.92238208	3.90066256	4.1280136	556	731	796
284677	NR_147122,NR_147123,NR_14	SNHG28	small nucleolar RNA host gene 2	-1.175536684	1.163932218	0.978219	0.832089	1.118262	1.69664266	1.5392062	1.85174813	88	100	126
10540	NM_001261412,NM_001261413	DCTN2	dynactin subunit 2	-1.172258456	1.163777977	39.067087	33.378019	42.719817	6.34627164	6.12002389	6.56259705	3155	3596	4516
5286	NM_001321378,NM_001321380	PIK3C2A	phosphatidylinositol-4-phosphate	-1.298544664	1.163755488	13.075257	10.079693	14.299219	6.76037615	6.38743716	6.97729571	4217	4339	6036
81628	NM_001303043,NM_030935,NR	TSC22D4	TSC22 domain family member 4	-1.41436449	1.163459318	15.87148	11.602535	17.498623	5.15028961	4.666826	5.36300797	1355	1280	1939
26099	NM_001114600,NM_001271869	SZRD1	SUZ RNA binding domain contai	1.154842254	1.163305903	22.946063	26.519026	25.128607	6.37001279	6.57537437	6.58579963	3208	4950	4590
25963	NM_001110503,NM_001286487	TMEM87A	transmembrane protein 87A	1.003153661	1.163115437	38.123333	38.346594	41.519258	6.86022227	6.86472595	7.07647903	4522	6061	6469
196074	NM_001113528,NM_001297775	METTL15	methyltransferase like 15	-1.284394139	1.163037111	4.926086	3.829022	5.386741	4.41495674	4.10945474	4.66061022	820	853	1173
10509	NM_001324029,NM_001324030	SEMA4B	semaphorin 4B	1.785370587	1.162826768	61.971817	111.385386	68.257591	7.84890848	8.6823842	8.06567065	9012	21498	12889
55629	NM_017761	PNRC2	proline rich nuclear receptor coac	-1.06185767	1.162798	47.405899	44.696484	51.800659	6.81296147	6.7271624	7.02876954	4375	5505	6257
8678	NM_001313998,NM_001313999	BECN1	beclin 1	1.159529234	1.162742042	27.538206	31.873614	29.95533	5.85428279	6.06439629	6.06832921	2232	3458	3192
8028	NM_001195626,NM_001195627	MLLT10	myeloid/lymphoid or mixed-lineag	1.105315412	1.162580154	11.467252	11.865394	10.091732	5.3820734	5.52324054	5.59457146	1598	2360	2285
3329	NM_002156,NM_199440	HSPD1	heat shock protein family D (Hsp	1.565487518	1.162525872	245.139865	384.188444	267.801543	9.11620269	9.76187788	9.33310306	21748	45490	31096
55610	NM_001257998,NM_017667,NM	VPS50	VPS50, EARP/GARPII complex s	-1.355691547	1.162515746	4.820767	3.304594	5.147612	4.57731129	4.15956116	4.7861128	898	885	1284
27018	NM_001282674,NM_014380,NM	BEX3	brain expressed X-linked 3	1.670161523	1.162293338	62.665228	105.39471	68.749612	5.99805187	6.72897843	6.21187981	2470	5512	3531
90313	NM_001346077,NM_001346078	TP53I13	tumor protein p53 inducible prote	-1.161303372	1.162292505	35.926733	31.041089	39.409591	5.82021839	5.60857511	6.03363206	2179	2507	3115
55501	NM_001243794,NM_001243795	CHST12	carbohydrate sulfotransferase 12	-1.023458709	1.162289491	5.193207	5.059097	5.649198	3.54502861	3.51446439	3.74468587	419	547	599
4140	NM_001128918,NM_001128919	MARK3	microtubule affinity regulating kin	1.208359126	1.162279337	37.161604	44.944391	40.60854	6.97596077	7.24703796	7.19132117	4903	7916	7009
55662	NM_017902	HIF1AN	hypoxia inducible factor 1 alpha s	-1.046831023	1.16225441	8.077215	7.725646	8.824893	5.79131439	5.72650194	6.00460939	2135	2725	3052
26230	NM_001010927,NM_012454	TIAM2	T-cell lymphoma invasion and me	-1.335766731	1.16222694	0.596505	0.444888	0.649493	2.15010456	1.83736459	2.32103228	135	135	193
5074	NM_002583	PAWR	pro-apoptotic WT1 regulator	-1.23344954	1.162185157	20.136845	16.341066	21.990866	5.29490023	5.00073201	5.50661727	1502	1627	2147
9824	NM_001286479,NM_001286480	ARHGAP11A	Rho GTPase activating protein 1	-1.198224343	1.162087579	27.008472	21.60827	31.361554	7.09228517	6.83347566	7.30753276	5318	5930	7601
4238	NM_001135037,NM_001242336	MFAP3	microfibrillar associated protein 3	1.530598409	1.161801937	7.681641	11.782224	8.399674	5.27889898	5.88009069	5.49009354	1485	3037	2122
89887	NM_033113	ZNF628	zinc finger protein 628	1.237396148	1.161779736	2.388335	2.960408	2.610528	3.31698997	3.59633059	3.51308411	362	582	503
79033	NM_001301698,NM_001301699	ERI3	ERI1 exoribonuclease family mer	1.345559332	1.161676556	19.691267	26.004263	21.30235	5.00565571	5.42231408	5.21561844	1222	2197	1746
201266	NM_001159770,NM_139177	SLC39A11	solute carrier family 39 member 1	-1.48190526	1.161529009	33.423401	22.602579	36.507903	6.50924151	5.94937984	6.7230688	3537	3189	5053
253943	NM_001277813,NM_001277814	YTHDF3	YTH N6-methyladenosine RNA b	-1.015452395	1.161453548	14.676262	14.20516	16.099029	6.1823895	6.16057299	6.39556477	2812	3700	4017
222643	NM_173561	UNC5CL	unc-5 family C-terminal like	-2.093633815	1.161302567	0.753107	0.358371	0.830253	1.73025772	1.07428646	1.88448459	91	58	130
9778	NM_001100590,NM_014743	KIAA0232	KIAA0232	-1.149103101	1.161220908	8.577123	7.476242	9.363657	6.04332975	5.8460706	6.2559406	2550	2965	3642
6924	NM_003198	ELOA	elongin A	1.346026104	1.161216678	11.131367	15.003017	12.14743	5.7705968	6.19251204	5.98257082	2104	3784	3005
147011	NM_001304949,NM_001304951	PROCA1	protein interacting with cyclin A1	-2.349394622	1.161030401	4.478867	1.862413	4.648495	3.04601354	2.03149389	3.23705705	285	162	407
100507144	NR_120528	LOC100507144	uncharacterized LOC100507144	-1.695995864	1.160857224	0.652821	0.378508	0.721713	0.77668602	0.50527715	0.87055986	28	22	40
91746	NM_001031732,NM_001330698	YTHDC1	YTH domain containing 1	1.160952032	1.160749583	22.712457	26.353725	24.79331	7.12266297	7.33653931	7.33628944	5432	8426	7755
23207	NM_015164	PLEKHM2	pleckstrin homology and RUN do	1.108203122	1.160729241	14.366329	15.941117	15.673047	5.88445448	6.03029685	6.09610992	2280	3376	3255
158067	NM_001317958,NM_001317959	AK8	adenylate kinase 8	1.813481059	1.160643676	0.227279	0.473669	0.231604	0.61813834	0.97983233	0.69713258	21	51	30
3297	NM_005526	HSF1	heat shock transcription factor 1	-1.032612782	1.160501664	43.540253	42.204979	47.479263	6.54234181	6.49654578	6.75495417	3620	4684	5167
1477	NM_001033521,NM_001033522	CSTF1	cleavage stimulation factor subur	1.19473662	1.160358784	19.832624	23.663804	21.599099	5.50530701	5.75682736	5.71549438	1744	2784	2489
51310	NM_001289050,NM_016609,NM	SLC22A17	solute carrier family 22 member 1	10.98977682	1.160218275	0.152353	1.818196	0.165505	0.43999062	2.30630165	0.49997203	14	207	20
9931	NM_001330447,NM_014877	HELZ	helicase with zinc finger	1.123809594	1.160185707	4.868504	5.476915	5.306333	6.05664057	6.22265489	6.26800924	2574	3865	3673
27289	NM_014470	RND1	Rho family GTPase 1	1.023521072	1.160148562	2.904631	2.970345	3.159623	2.51403512	2.541776	2.69315397	185	253	264
1729	NM_001079812,NM_001314007	DIAPH1	diaphanous related formin 1	1.139362261	1.159924035	55.919672	63.766667	60.935268	8.3056456	8.49331582	8.51904893	12383	18851	17666
4092	NM_001190821,NM_001190822	SMAD7	SMAD family member 7	-1.026412617	1.159922069	2.12397	1.935443	2.265717	2.78853894	2.75641772	2.973571	232	302	331
5523	NM_001190447,NM_002718,NM	PPP2R3A	protein phosphatase 2 regulatory	2.069772085	1.159895229	3.376272	7.293876	3.75203	4.54776468	5.56508709	4.75325534	879	2431	1254
84874	NM_001318005,NM_032788	ZNF514	zinc finger protein 514	1.006236732	1.159882205	8.402276	8.5267	9.121658	5.66157057	5.67036415	5.87162597	1948	2619	2779
64762	NM_001242409,NM_022751	GAREM1	GRB2 associated regulator of MA	-1.085253937	1.159872962	0.831802	0.767601	0.909592	2.75082071	2.65089709	2.9350236	225	277	321

165324	NM_181713	UBXN2A	UBX domain protein 2A	1.088742383	1.159714296	7.312017	7.974983	7.981171	3.85794988	3.97250183	4.05799054	530	771	756
605	NM_001024808,NM_020993	BCL7A	BCL tumor suppressor 7A	-2.103403243	1.159635943	3.987106	1.88988	4.352958	3.95592014	2.98202989	4.15677414	570	362	813
403150	NR_103831	FLJ31356	uncharacterized protein FLJ3135	1.251040143	1.159304407	0.558852	0.699284	0.605585	1.35261029	1.55800914	1.4863075	61	102	87
84836	NM_001146314,NM_001254753	ABHD14B	abhydrolase domain containing 1	-1.857788738	1.159199724	13.109911	6.805284	13.873068	4.88150305	4.02918937	5.08791408	1118	804	1594
85456	NM_033396	TNKS1BP1	tankyrase 1 binding protein 1	1.36198128	1.1589813	38.358055	52.303635	41.776646	7.77063374	8.21458845	7.98258708	8534	15530	12165
25992	NM_001080437	SNED1	sushi, nidogen and EGF like dom	6.228303691	1.158955485	0.024219	0.166512	0.028705	0.23670415	1.08728891	0.27153692	7	59	10
100616459	NR_039900	MIR4745	microRNA 4745	2.015933494	1.158955485	2.832537	5.819133	3.013242	0.23670415	0.44594451	0.27153692	7	19	10
102466749	NR_106908	MIR6849	microRNA 6849	-4.43112822	1.158955485	2.567701	0.531598	2.862432	0.23670415	0.05398282	0.27153692	7	2	10
56129	NM_018940	PCDHB7	protocadherin beta 7	1.068150199	1.158955485	0.047455	0.047369	0.049392	0.23670415	0.25173066	0.27153692	7	10	10
3758	NM_000220,NM_153764,NM_15	KCNJ1	potassium voltage-gated channel	-1.166137663	1.158955485	0.066471	0.056779	0.072553	0.23670415	0.20477631	0.27153692	7	8	10
102465464	NR_106833	MIR6775	microRNA 6775	-1.03859314	1.158955485	2.316187	2.427349	2.727628	0.23670415	0.2284445	0.27153692	7	9	10
5818	NM_002855,NM_203285,NM_20	NECTIN1	nectin cell adhesion molecule 1	1.120092642	1.158696473	13.147436	13.982624	14.993857	6.01007555	6.17129809	6.21951784	2491	3728	3550
11142	NM_001281444,NM_001281445	PKIG	cAMP-dependent protein kinase	1.103894485	1.158523486	5.238417	5.794576	5.548627	2.83047153	2.95391015	3.01481644	240	354	342
200316	NM_001006666,NM_145298	APOBEC3F	apolipoprotein B mRNA editing e	1.363526898	1.158404946	8.992168	11.845693	8.169648	4.47030848	4.90024229	4.67354624	831	1514	1184
55727	NM_001002860,NM_001289133	BTBD7	BTB domain containing 7	1.018389478	1.158169728	9.133104	9.177866	9.622397	5.78932242	5.81514199	5.99761231	2132	2901	3037
4664	NM_001321312,NM_001321313	NAB1	NGFI-A binding protein 1	1.058689073	1.158125209	19.266531	21.682245	20.876862	6.33766462	6.41895706	6.54702524	3136	4436	4467
9175	NM_001242314,NM_001242317	MAP3K13	mitogen-activated protein kinase	-1.35568154	1.158089191	27.619421	20.871907	24.04288	5.92976705	5.49911925	6.13828834	2354	2320	3353
4053	NM_000428	LTBP2	latent transforming growth factor	2.232311993	1.158071435	7.783243	17.392767	8.468499	6.04054113	7.18696286	6.2492792	2545	7591	3625
1453	NM_001893,NM_139062,NR_11	CSNK1D	casein kinase 1 delta	1.014366329	1.157694485	63.754764	64.805452	69.359428	7.87199396	7.89248574	8.08241183	9158	12412	13040
57449	NM_001042663,NM_001042664	PLEKHG5	pleckstrin homology and RhoGEF	-1.401306989	1.157653784	5.45807	4.076705	6.151351	4.76875136	4.30300447	4.97275069	1031	983	1468
166	NM_001130,NM_198969,NM_19	AES	amino-terminal enhancer of split	-1.13208874	1.157624711	129.739297	114.588476	141.095077	7.73657926	7.55848301	7.94682816	8334	9836	11866
27152	NM_015693	INTU	inturned planar cell polarity prote	1.190249251	1.157514113	2.822204	3.364557	3.074425	3.32434579	3.55246622	3.51569869	354	563	504
6418	NM_001122821,NM_001248000	SET	SET nuclear proto-oncogene	1.121218768	1.157318328	191.633443	214.195349	207.319651	9.07693597	9.24171571	9.28735957	21163	31704	30124
83715	NM_031475	ESPN	espin	-4.039135846	1.157310836	4.543018	1.124659	4.942153	4.05651939	2.28388661	4.25549579	614	203	874
90871	NM_001318058,NM_001318059	TMEM261	transmembrane protein 261	1.02291636	1.157234449	8.884974	9.111976	9.679775	4.49821892	4.52948015	4.70022518	848	1159	1207
5445	NM_000305,NM_001018161	PON2	paraoxonase 2	1.03755154	1.157229412	54.592781	56.657754	59.233694	6.46541785	6.51801145	6.67387916	3430	4755	4882
5971	NM_006509	RELB	RELB proto-oncogene, NF-kB su	1.292420214	1.157184939	10.558265	13.666914	11.490727	4.60927912	4.96595521	4.81187039	919	1587	1308
729096	NR_026592	BMS1P4	BMS1, ribosome biogenesis facto	-1.350109307	1.156972445	3.808866	2.826653	4.149194	3.05045588	2.67693481	3.23705705	286	283	407
3032	NM_000183,NM_001281512,NM	HADHB	hydroxyacyl-CoA dehydrogenase	1.076108089	1.156941455	42.676296	45.952481	46.436474	6.52249295	6.62720865	6.73068453	3570	5133	5080
8520	NM_003642,NR_027862	HAT1	histone acetyltransferase 1	1.590939072	1.156816238	35.502868	56.513146	38.125055	5.85618712	6.51681057	6.06297645	2235	4751	3180
6731	NM_001267722,NM_006947	SRP72	signal recognition particle 72	1.008630578	1.156782077	25.982987	25.864577	28.080171	6.60936173	6.6216335	6.81748053	3794	5113	5398
10006	NM_001012750,NM_001012751	ABI1	abl interactor 1	-1.212236875	1.156557168	12.797393	10.571708	14.008097	5.50368806	5.23273108	5.70922621	1742	1920	2478
11183	NM_006575,NM_198794	MAP4K5	mitogen-activated protein kinase	1.089926916	1.156362213	18.656206	20.400588	20.32542	6.34174803	6.46451508	6.54894104	3145	4580	4473
692225	NR_004378	SNORD94	small nucleolar RNA, C/D box 94	1.265488634	1.156359761	4.836348	6.208998	5.343398	0.73313634	0.8787583	0.82068496	26	44	37
109617010	NR_145765	SNORA77B	small nucleolar RNA, H/ACA box	1.408828355	1.156359761	5.327576	7.660546	5.86903	0.73313634	0.95166931	0.82068496	26	49	37
116840	NM_001037144,NM_001330124	CNTROB	centrobin, centriole duplication ar	1.052748535	1.15621815	12.369133	13.026117	13.441508	5.65429253	5.72702128	5.85984164	1938	2726	2756
22904	NM_001100122,NM_014963	SBNO2	strawberry notch homolog 2	1.066877558	1.156155981	35.102711	37.588177	38.168634	7.40376665	7.49662857	7.61195484	6609	9421	9398
22954	NM_001099679,NM_012210	TRIM32	tripartite motif containing 32	1.534895403	1.156005318	7.599744	11.686697	8.261841	4.83462363	5.43508445	5.03695187	1081	2217	1537
4215	NM_001330431,NM_002401,NM	MAP3K3	mitogen-activated protein kinase	-1.107085096	1.155765316	8.398934	7.651625	9.251436	5.33186457	5.1889187	5.53589126	1542	1861	2192
9742	NM_014714	IFT140	intraflagellar transport 140	1.042859025	1.155670501	4.959878	5.178673	5.384887	4.72495781	4.78326433	4.92634185	999	1392	1420
4794	NM_004556	NFKBIE	NFKB inhibitor epsilon	1.251754721	1.15556108	3.993122	5.004191	4.33333	3.46409533	3.76158491	3.65503258	394	659	560
55157	NM_018122	DARS2	aspartyl-tRNA synthetase 2, mito	1.015078743	1.155520115	24.298912	24.693232	26.384069	6.32580276	6.34712794	6.5319294	3110	4218	4420
84219	NM_032259	WDR24	WD repeat domain 24	1.087447989	1.155478395	6.041746	6.575946	6.557335	4.33847337	4.45368941	4.53736359	755	1097	1073
11343	NM_001003794,NM_001256585	MGLL	monoglyceride lipase	-1.033553722	1.155320388	15.987585	16.374184	17.913316	6.16815189	6.12120968	6.37375294	2784	3599	3956
23469	NM_001290259,NM_001290260	PHF3	PHD finger protein 3	-1.163955285	1.155311498	8.705454	7.331735	9.371419	5.99286804	5.77753174	6.19811001	2461	2825	3497
3300	NM_001039550,NM_006736	DNAJB2	DnaJ heat shock protein family (H	1.362226954	1.155250855	11.618953	15.094868	12.599894	4.80994515	5.24220835	5.01124268	1062	1933	1509
125144	NR_027158,NR_027159,NR_027	LRRC75A-AS1	LRRC75A antisense RNA 1	-1.039104092	1.155234229	101.430949	99.917906	115.790036	6.87281885	6.81795863	7.0793539	4562	5866	6482
4316	NM_002423	MMP7	matrix metallopeptidase 7	-1.584902959	1.155083099	1.306855	0.834265	1.426841	1.29387258	0.93737891	1.42086173	57	48	81
58513	NM_001258374,NM_001258375	EPS15L1	epidermal growth factor receptor	1.19973861	1.155007684	8.891222	10.580209	9.527509	4.80469545	5.05881949	5.00567345	1058	1696	1503
10678	NM_001319075,NM_006577	B3GNT2	UDP-GlcNAc:betaGal beta-1,3-N	1.202310797	1.154881403	12.374379	14.893528	13.433185	5.09330289	5.35200352	5.29538508	1301	2090	1848
170958	NM_001348156,NM_001348157	ZNF525	zinc finger protein 525	-14.40090659	1.154787737	1.947912	0.174664	2.144791	3.16959281	0.63490936	3.35562963	314	29	446
5446	NM_000940	PON3	paraoxonase 3	-1.541865673	1.154732511	3.441346	2.229749	3.730674	2.32162912	1.84504029	2.4901017	157	136	223
8237	NM_004651	USP11	ubiquitin specific peptidase 11	1.125107089	1.154609491	13.281795	14.961388	14.414868	5.44500562	5.61139072	5.64798177	1671	2512	2373
27347	NM_013233	STK39	serine/threonine kinase 39	-1.07853116	1.154470452	23.245937	21.581287	25.226397	6.23114291	6.12357834	6.43580955	2910	3605	4132
81579	NM_030821	PLA2G12A	phospholipase A2 group XIIA	1.018548795	1.154091088	6.824044	6.959635	7.403334	5.16162707	5.18740997	5.36300797	1366	1859	1939
4780	NM_001145412,NM_001145413	NFE2L2	nuclear factor, erythroid 2 like 2	1.173959218	1.1540348	29.450605	34.802654	32.034307	6.38328002	6.61210602	6.58766467	3238	5079	4596
55837	NM_001318916,NM_018453	EAPP	E2F associated phosphoprotein	1.349294561	1.153992264	21.745459	29.435455	23.820391	4.8790076	5.29849962	5.07910255	1116	2012	1584
3839	NM_002267	KPNA3	karyopherin subunit alpha 3	1.259253472	1.153932205	5.396892	6.800731	5.848265	4.61528873	4.93572116	4.81399624	923	1553	1310
93627	NM_001163435,NM_001163436	TBCK	TBC1 domain containing kinase	-1.418870974	1.153824866	3.294439	2.301739	3.59213	4.17110273	3.69943092	4.36684138	668	629	948
9130	NM_004699	FAM50A	family with sequence similarity 50	1.035612512	1.153640689	76.938889	79.774727	83.425926	6.67664254	6.72664312	6.88096245	3977	5503	5643
56992	NM_020242	KIF15	kinesin family member 15	1.039590981	1.153306287	6.600309	6.871603	7.154868	5.00451141	5.05881949	5.20431761	1221	1696	1732
6839	NM_001282166,NM_003173	SUV39H1	suppressor of variegation 3-9 hor	1.260056892	1.153101783	4.98499	6.860028	5.691207	3.95355025	4.26774474	4.1466887	569	958	807
85364	NM_033089	ZCCHC3	zinc finger CCHC-type containing	1.521603972	1.15306685	9.155976	13.942562	9.921711	4.67835874	5.26455989	4.87635737	966	1964	1370
59339	NM_021623	PLEKHA2	pleckstrin homology domain cont	1.192637136	1.152985482	13.167033	15.722397	14.266515	6.19598682	6.44696861	6.39875517	2839	4524	4026
8555	NM_001077181,NM_001351567	CDC14B	cell division cycle 14B	-1.006909122	1.152785555	9.197721	9.092633	10.222912	5.6120916	5.60236135	5.81331234	1881	2496	2667
57217	NM_001288951,NM_001288953	TTC7A	tetratricopeptide repeat domain 7	1.032092546	1.152732269	14.233547	14.760217	15.458864	6.18137717	6.22633294	6.38380589	2810	3875	3984
51160	NM_016208,NM_183057	VPS28	VPS28, ESCRT-I subunit	-1.31120167	1.152724267	54.954446	41.583462	59.905428	5.80715195	5.42423685	6.0087914	2159	2200	3061
4241	NM_005929,NM_033316	MELTF	melanotransferrin	-2.010242648	1.152624726	107.923328	55.295459	119.073635	8.41927897	7.41614888	8.6236453	13401	8907	18998
54856	NM_001282856,NM_001282858	GON4L	gon-4 like	-1.027288176	1.15258197	9.572159	9.106384	10.150648	5.94833435	5.91012909	6.15011624	2385	3102	3381
23516	NM_001128431,NM_001135153	SLC39A14	solute carrier family 39 member 1	1.352736462	1.152557169	15.128675	20.298309	16.345985	6.14652852	6.57710371	6.34867642	2742	4956	3887
9236	NM_001204450,NM_001204451	CCPG1	cell cycle progression 1	-1.627921618	1.152492109	5.289204	4.030958	6.262588	4.96623093	4.29181484	5.16488576	1188	975	1684
56478	NM_001164501,NM_001164502	EIF4ENIF1	eukaryotic translation initiation fa	1.076564577	1.152406856	4.755773	5.101812	5.104318	4.16701728	4.26774474	4.36103743	666	958	944
6780	NM_001037328,NM_001319134	STAU1	staufen double-stranded RNA bin	1.021109212	1.152094571	42.226686	43.909016	46.570935	7.18080485	7.21073702	7.38375446	5657	7718	8016
283237	NM_001318812,NM_001318813	TTC9C	tetratricopeptide repeat domain 9	1.298351251	1.152011356	14.847856	19.193035	16.466957	4.08278037	4.43981671	4.27568916	626	1086	887
119504	NM_001242546,NM_001242547	ANAPC16	anaphase promoting complex sul	-1.426709771	1.151972031	20.868971	14.476631	22.308055	6.06982971	5.56624847	6.27110741	2598	2433	3681
2119	NM_004454	ETV5	ETS variant 5	1.781310781	1.151956185	8.858071	15.795513	9.585985	5.18504861	6.00053598	5.38390874	1389	3306	1968
5434	NM_001316323,NM_001316324	POLR2E	RNA polymerase II subunit E	1.165660052	1.151817222	31.808843	37.128986	34.552263	6.48606198	6.70492623	6.68785694	3480	5420	4930
345778	NM_001010891,NM_001167741	MTX3	metaxin 3	1.116461582	1.151764816	8.87344	9.917689	9.603894	6.10442241	6.26117308	6.30551091	2662	3971	3771
8476	NM_003607,NM_014826	CDC42BPA	CDC42 binding protein kinase alp	-1.355557708	1.151643849	7.80746	5.799928	8.450048	6.33766462	5.90508943	6.5390152	3136	3091	4442
6676	NM_001317931,NM_003116	SPAG4	sperm associated antigen 4	-1.258388987	1.151604245	6.961303	5.482528	7.402586	3.44734922	3.14945559	3.6335275	389	413	551
51029	NM_001297746,NM_016076,NR	DESI2	desumoylating isopeptidase 2	1.021535045	1.151518497	19.03331	19.414536	20.605796	6.25395271	6.28429393	6.45500789	2957	4036	4188
9107	NM_004685	MTMR6	myotubularin related protein 6	1.067267988	1.151463993	3.082934	3.296305	3.339007	4.05872616	4.14719676	4.25079537	615	877	871
23118	NM_001292034,NM_001292035	TAB2	TGF-beta activated kinase 1/MAP	1.178953336	1.151426862	13.369981	15.596071	14.29403	5.76790176	6.00139486	5.96784829	2100	3308	2974
10801	NM_001113491,NM_001113492	SEPT9	septin 9	1.059605896	1.15137361	151.987937	161.098095	166.865625	9.17777633	9.26116435	9.38080577	22698	32135	32143
283248	NM_173587	RCOR2	REST corepressor 2	1.039375241	1.151350778	0.359389	0.375422	0.385319	0.93882015	0.96581954	1.03996283	36	50	51
8933	NM_001078171	RTL8C	retrotransposon Gag like 8C	1.400278579	1.151345636	21.679537	30.404423	23.474903	4.76875136	5.2392989	4.96511882	1031	1929	1460
7565	NM_001330617,NM_006959	ZNF17	zinc finger protein 17	-1.07006626	1.151132639	8.696162	8.193837	9.458143	4.59414465	4.50061221	4.78935776	909	1135	1287
6773	NM_005419,NM_198332	STAT2	signal transducer and activator of	-1.392385349	1.151125517	16.375613	11.77196	17.714677	6.19899112	5.72909676	6.39946319	2845	2730	4028
1417	NM_004076	CRYBB3	crystallin beta B3	-1.14450978	1.151116206	0.710757	0.625501	0.766683	0.68823103	0.61708849	0.76902392	24	28	34
2487	NM_001463	FRZB	frizzled-related protein	1.401524212	1.151116206	0.226633	0.317801	0.243806	0.68823103	0.89363826	0.76902392	24	45	34
55109	NM_018046	AGGF1	angiogenic factor with G-patch ar	1.076957572	1.151024429	9.980642	10.760036	10.795888	5.48575866	5.59042388	5.68445867	1720	2475	2435
8925	NM_003922	HERC1	HECT and RLD domain containir	-1.006982908	1.151011043	2.480191	2.465171	2.682634	5.23664058	5.22686782	5.43452772	1441	1912	2040
51386	NM_001242923,NM_016091	EIF3L	eukaryotic translation initiation fa	1.104697285	1.150892672	126.999161	140.445816	137.361874	8.01990879	8.16303444	8.22193525	10151	14983	14369
84928	NM_001301163,NM_032842	TMEM209	transmembrane protein 209	-1.194540456	1.15081845	11.129911	9.388779	12.01563	5.29490023	5.04555672	5.49275009	1502	1680	2126
4835	NM_000904,NM_001290221,NM	NQO2	N-ribosyldihydronicotinamide:quin	1.005707667	1.15079465	11.326009	11.393039	12.193829	3.89300127	3.90066256	4.08288706	544	731	770
80185	NM_001102401,NM_001265581	TTI2	TELO2 interacting protein 2	1.048163345	1.150615318	4.217843	4.351048	4.612907	3.50674676	3.56878235	3.6924898	407	570	576
79635	NM_001142683,NM_024584	CCDC121	coiled-coil domain containing 121	1.427079503	1.150520125	0.608731	0.911797	0.774499	1.40904982	1.75012126	1.53866543	65	124	92
9943	NM_005109	OXSR1	oxidative stress responsive 1	1.054757674	1.150507891	20.052198	21.17083	21.678364	6.48072286	6.55679785	6.68088498	3467	4886	4906
10109	NM_005731,NM_152862	ARPC2	actin related protein 2/3 complex	1.241195989	1.150478783	197.864833	246.361487	214.480045	8.18178466	8.49255243	8.3833709	11361	18841	16076

8804	NM_003851	CREG1	cellular repressor of E1A stimulat	-1.04788114	1.150468882	24.08935	23.018402	26.046949	5.60002041	5.53396493	5.79835805	1865	2378	2639
8294	NM_003495	HIST1H4I	histone cluster 1 H4 family memt	-1.06824733	1.150416833	0.80647	0.785743	0.865427	0.38477185	0.36283659	0.43515728	12	15	17
115273	NM_001193532,NM_152304	RAB42	RAB42, member RAS oncogene	-1.986550784	1.150416833	0.252871	0.134429	0.275657	0.38477185	0.20477631	0.43515728	12	8	17
100128750	NR_046205	RBPMS-AS1	RBPMS antisense RNA 1	-1.332164478	1.150416833	0.321125	0.256846	0.355025	0.38477185	0.29720487	0.43515728	12	12	17
4233	NM_000245,NM_001127500,NM	MET	MET proto-oncogene, receptor ty	-1.61823992	1.15017082	74.616481	45.080022	79.78565	8.86521261	8.17269327	9.06665792	18269	15084	25844
79862	NM_001142572,NM_024804	ZNF669	zinc finger protein 669	-1.724570582	1.150066984	2.42587	1.384434	2.61612	2.37218925	1.77444288	2.53718654	164	127	232
645	NM_000713	BLVRB	biliverdin reductase B	-1.992174289	1.149937259	122.209473	61.393482	132.06752	6.68452367	5.70399173	6.88425408	3999	2682	5656
27183	NM_013245	VPS4A	vacuolar protein sorting 4 homolc	-1.052962793	1.149929773	30.66828	29.155287	33.141079	6.04388682	5.97058687	6.2425869	2551	3237	3608
10553	NM_001098520,NM_001098521	HTATIP2	HIV-1 Tat interactive protein 2	-1.329317532	1.149873839	91.813744	74.852321	102.570602	7.02841505	6.62135418	7.22845362	5086	5112	7193
55669	NM_033540	MFN1	mitofusin 1	1.175410564	1.149840922	16.104816	18.951857	17.400984	5.80977473	6.0391067	6.00786311	2163	3397	3059
677769	NR_003003	SCARNA17	small Cajal body-specific RNA 17	-1.095347668	1.149760065	2.536083	2.319685	2.735865	1.03161781	0.96581954	1.13825079	41	50	58
79834	NM_024776	PEAK1	pseudopodium enriched atypical	1.037130416	1.149722075	2.731737	2.835907	2.949998	5.01931705	5.07032524	5.21481417	1234	1710	1745
1803	NM_001935	DPP4	dipeptidyl peptidase 4	1.987188051	1.149646606	0.469495	0.930915	0.506354	1.47662927	2.18453503	1.60891398	70	186	99
375035	NM_199344	SFT2D2	SFT2 domain containing 2	1.224468275	1.149599542	3.024149	3.70285	3.263675	1.81624731	2.03149389	1.96321628	99	162	140
58472	NM_001271213,NM_021199	SQOR	sulfide quinone oxidoreductase	-4.460961274	1.149518821	26.600241	5.965615	28.769336	5.72477705	3.65863507	5.92226458	2037	610	2880
90324	NM_001346100,NM_052848	CCDC97	coiled-coil domain containing 97	1.147778424	1.149496739	7.996511	8.819963	8.567883	4.76334931	4.95535656	4.95744636	1027	1575	1452
9897	NM_001330609,NM_014846	WASHC5	WASH complex subunit 5	1.248209568	1.149420507	15.629953	18.964388	16.584751	5.96018767	6.27544509	6.15808745	2405	4011	3400
79095	NM_024112	C9orf16	chromosome 9 open reading fran	1.110939	1.149199307	70.347923	78.250015	75.984711	5.63962535	5.78852012	5.83650316	1918	2847	2711
9870	NM_001039479	AREL1	apoptosis resistant E3 ubiquitin p	1.084613511	1.149195317	14.651301	15.911374	15.824492	6.29805119	6.4138051	6.49629974	3050	4420	4311
7410	NM_001134398,NM_003371	VAV2	vav guanine nucleotide exchange	1.306849108	1.149192971	11.423681	14.94863	12.333077	5.74615826	6.12594312	5.94329559	2068	3611	2923
23001	NM_014991	WDFY3	WD repeat and FYVE domain co	1.101554227	1.149128758	5.250361	5.791352	5.670053	6.21342436	6.35117624	6.41144669	2874	4230	4062
27068	NM_006903,NM_176866,NM_17	PPA2	pyrophosphatase (inorganic) 2	1.14566243	1.149099102	34.168248	39.065941	36.756231	5.79859486	5.99148667	5.99574068	2146	3285	3033
22876	NM_001243194,NM_001243195	INPP5F	inositol polyphosphate-5-phospha	-1.243654138	1.149061887	4.780038	3.648721	4.846428	4.36010717	4.06249189	4.55144767	767	824	1084
302	NM_001002857,NM_001002858	ANXA2	annexin A2	-1.110270467	1.14901172	1229.035068	1109.561512	1336.2971	10.88606575	10.73523842	11.08636068	74260	89366	104945
317662	NM_173348	FAM149B1	family with sequence similarity 14	-1.78841083	1.148957115	5.575766	3.11698	6.023264	4.17110273	3.39405638	4.36103743	668	499	944
66002	NM_023944,NR_117085	CYP4F12	cytochrome P450 family 4 subfar	-1.288731283	1.148784364	16.078801	12.514182	17.612509	4.91233736	4.56011536	5.10624493	1143	1185	1615
9097	NM_001037334,NM_005151	USP14	ubiquitin specific peptidase 14	1.134612832	1.148665643	38.001339	43.378085	41.049564	7.27397346	7.4550702	7.47272887	6037	9152	8529
9501	NM_001190411,NM_001190412	RPH3AL	rabphilin 3A like (without C2 dom	-2.200556353	1.14845228	2.076219	0.915232	2.210376	2.64317467	1.75827411	2.81278744	206	125	291
113277	NM_001291586,NM_001291587	TMEM106A	transmembrane protein 106A	-1.176909604	1.148047574	1.15644	0.993805	1.294057	2.25390578	2.07130288	2.41366048	148	168	209
85444	NM_001349636,NM_001349637	LRRCC1	leucine rich repeat and coiled-coi	-1.34701069	1.148043218	4.368605	3.29196	4.889112	4.05651939	3.65645563	4.24450423	614	609	867
27032	NM_001001485,NM_001001486	ATP2C1	ATPase secretory pathway Ca2+	1.325854785	1.147586765	32.536866	49.445586	37.662815	7.12134394	7.52572479	7.31861777	5427	9614	7660
57187	NM_001081550	THOC2	THO complex 2	-1.104095747	1.14744264	27.934818	25.330452	30.123917	7.26301006	7.12111952	7.46022811	5991	7250	8455
10667	NM_001318872,NM_006567	FARS2	phenylalanyl-tRNA synthetase 2,	1.305568755	1.147350973	3.21478	4.199387	3.468033	2.78321062	3.11812251	2.95442604	231	403	326
100130742	NM_001129890	LRRC69	leucine rich repeat containing 69	1.012548287	1.147350698	0.663868	0.677114	0.715532	0.89996265	0.90836632	0.99569924	34	46	48
11051	NM_007006	NUDT21	nudix hydrolase 21	1.102313335	1.147259741	37.572903	41.464348	40.511234	7.34191562	7.4816266	7.53896902	6330	9323	8932
4683	NM_001024688,NM_002485	NBN	nibrin	-1.188412213	1.147208028	17.739561	14.998998	19.164144	6.34220103	6.09650305	6.53805101	3146	3537	4439
79695	NM_024642	GALNT12	polypeptide N-acetylgalactosamii	-1.088485882	1.147183642	24.761133	22.771294	26.694445	6.06489791	5.94447568	6.26023459	2589	3178	3653
151525	NM_001128212,NM_001128213	WDSUB1	WD repeat, sterile alpha motif an	1.039151859	1.147119182	8.689363	9.38038	9.946539	4.07625981	4.12844917	4.26329596	623	865	879
130589	NM_138801	GALM	galactose mutarotase	-1.052880336	1.147043328	7.206679	6.846885	7.763951	4.20337642	4.13315895	4.39125092	684	868	965
29911	NM_001100176,NM_013312	HOOK2	hook microtubule tethering protei	-1.009885521	1.146961975	36.406128	36.100115	39.236528	6.54549243	6.53145293	6.74133532	3628	4800	5118
11011	NM_001284333,NM_001284363	TLK2	tousled like kinase 2	1.148255957	1.146919491	10.119701	11.414058	10.896326	5.7705968	5.96663422	5.96498133	2104	3228	2968
54431	NM_001271581,NM_018981,NR	DNAJC10	DnaJ heat shock protein family (I	1.01868665	1.146893305	23.666135	23.437161	25.350825	7.11207679	7.13859634	7.30847548	5392	7339	7606
340351	NM_001345850,NM_001345851	AGBL3	ATP/GTP binding protein like 3	1.406260378	1.14686801	0.220943	0.201103	0.187056	0.5190475	0.68708806	0.58209675	17	32	24
10294	NM_005880	DNAJA2	DnaJ heat shock protein family (I	1.199827816	1.146837261	39.571457	47.53735	42.646732	6.88810125	7.14890418	7.08420605	4611	7392	6504
23399	NM_001143775,NM_015343	CTDNEP1	CTD nuclear envelope phosphata	-1.001784771	1.146833459	37.367813	37.346215	40.278553	5.98534723	5.98281518	6.19009291	2448	3265	3453
3800	NM_004522,NR_111932	KIF5C	kinesin family member 5C	2.416340457	1.146688856	0.208022	0.508116	0.224185	1.27886573	2.15396266	1.39836968	56	181	79
4281	NM_000381,NM_001098624,NM	MID1	midline 1	-1.157930892	1.146575136	1.888296	1.67549	2.078966	3.6915876	3.49751855	3.87461432	468	540	660
84303	NM_001320610,NM_032343	CHCHD6	coiled-coil-helix-coiled-coil-helix d	1.44989998	1.146450731	12.677622	18.439394	13.686235	3.76640418	4.2691718	3.95001076	495	959	698
51592	NM_015906,NM_033020	TRIM33	tripartite motif containing 33	1.145893562	1.146404606	8.861297	10.155939	9.540002	6.18491721	6.37887017	6.37950606	2817	4313	3972
9181	NM_001162383,NM_001162384	ARHGEF2	Rho/Rac guanine nucleotide excl	-1.151551622	1.146352276	23.34784	20.287445	25.241037	6.6044607	6.40312071	6.79962248	3781	4387	5331
10105	NM_005729	PPIF	peptidylprolyl isomerase F	-1.058245134	1.146312588	42.296043	40.008163	45.555805	6.51728721	6.43652791	6.71228179	3557	4491	5015
1891	NM_001398	ECH1	enoyl-CoA hydratase 1	-1.371465236	1.146308374	88.383499	64.507957	95.194717	6.7772253	6.32637162	6.97254554	4267	4157	6016
729920	NM_001101417,NM_001101426	ISPD	isoprenoid synthase domain cont	-1.15747235	1.146190005	0.180247	0.159643	0.196768	0.99521185	0.89363826	1.09694451	39	45	55
28964	NM_001085454,NM_014030	GIT1	GIT ArfGAP 1	1.003324143	1.146084271	19.347092	19.453794	20.861224	6.15892439	6.16364545	6.35306899	2766	3708	3899
2034	NM_001430	EPAS1	endothelial PAS domain protein 1	1.598025999	1.145969947	16.781712	26.845715	18.070679	6.41635423	7.08632739	6.61077645	3314	7076	4671
221937	NM_001037165	FOXK1	forkhead box K1	-1.096776022	1.145753205	7.207983	6.580356	7.761886	6.31384256	6.18232282	6.50783665	3084	3757	4346
219333	NM_182488	USP12	ubiquitin specific peptidase 12	1.080438632	1.145438908	6.176967	6.683234	6.652646	4.81256286	4.92036316	5.00194865	1064	1536	1499
60685	NM_021943	ZFAND3	zinc finger AN1-type containing 3	1.047377545	1.145334693	10.997306	11.534193	11.843074	5.1981206	5.26312825	5.38890871	1402	1962	1975
83856	NM_001145313,NM_001287191	FSD1L	fibronectin type III and SPRY dor	1.131057512	1.145158731	1.813086	2.158245	1.972625	3.48064928	3.64330938	3.65976826	399	603	562
50862	NM_016422	RNF141	ring finger protein 141	-1.835461134	1.145112496	10.941357	5.966774	11.780304	5.47670971	4.62731136	5.66809934	1709	1244	2407
386627	NR_037897	SAP30L-AS1	SAP30L antisense RNA 1 (head	1.528335235	1.14492411	0.162072	0.255753	0.177941	0.64188297	0.89383826	0.71544405	22	45	31
10732	NM_001301726,NM_006602	TCFL5	transcription factor like 5	1.077330842	1.144908693	12.165498	12.996282	12.929337	5.03397229	5.13827799	5.22394861	1247	1795	1756
205	NM_001005353,NM_001330616	AK4	adenylate kinase 4	1.423644942	1.144680327	14.850172	20.990283	16.067254	6.63176857	6.82487859	6.99354792	3854	7331	5426
3065	NM_004964	HDAC1	histone deacetylase 1	1.088988095	1.14465367	57.018524	62.163353	61.337711	6.87156413	6.99354792	7.06492191	4558	6632	6417
79682	NM_024629,NR_104593	CENPU	centromere protein U	-1.173670552	1.144451654	28.509908	24.295938	30.531586	6.15583539	5.92830812	6.34794303	2760	3142	3885
57180	NM_001040135,NM_001350940	ACTR3B	ARP3 actin related protein 3 hom	-1.267151621	1.144413526	4.42898	3.486156	4.756546	3.37481244	3.06980877	3.5518139	368	388	518
11264	NM_007238,NM_183397	PXMP4	peroxisomal membrane protein 4	-1.147550007	1.144411003	2.89927	2.528611	3.121128	4.09788139	3.91166916	4.28184606	633	737	891
11216	NM_001330152,NM_007202	AKAP10	A-kinase anchoring protein 10	1.114498771	1.14420117	7.622152	8.504754	8.200723	4.91964056	5.07114358	5.10797864	1149	1711	1617
54893	NM_017762	MTMR10	myotubularin related protein 10	-1.379737708	1.144180992	2.160391	1.565376	2.321488	3.51641288	3.09899072	3.6947989	410	397	577
10277	NM_001105562,NM_006048	UBE4B	ubiquitination factor E4B	1.050053962	1.144036006	6.964016	7.322356	7.494669	5.25888453	5.32755573	5.44827899	1464	2054	2060
102723316	NR_132316	FRG1DP	FSHD region gene 1 family mem	-1.126786721	1.143697196	1.321425	1.167697	1.40659	0.7550755	0.68708806	0.83750224	27	32	38
246777	NM_145658	SPESP1	sperm equatorial segment protei	-2.696259518	1.143623877	16.035749	5.956995	17.241884	4.54619271	3.21608274	4.73205178	878	435	1235
9902	NM_006039	MRC2	mannose receptor C type 2	1.512625969	1.143566597	2.265345	3.431203	2.433542	3.82979934	4.39215006	4.01058243	519	1049	730
1407	NM_004075	CRY1	cryptochrome circadian clock 1	-1.633479379	1.143301759	14.346303	8.790811	15.415554	5.55539568	4.86669962	5.74476254	1807	1478	2541
8349	NM_003528	HIST2H2BE	histone cluster 2 H2B family mem	1.465032459	1.143231255	13.845797	20.310534	14.880655	4.95324168	5.48935666	5.14052934	1177	2304	1655
95681	NM_001257158,NM_001257159	CEP41	centrosomal protein 41	-1.024182692	1.143196695	2.649117	2.548398	2.729542	4.00480921	3.97250183	4.18661421	591	771	831
55252	NM_018263	ASXL2	additional sex combs like 2, trans	1.180917224	1.143146071	3.651613	4.31754	3.922912	5.54834575	5.78355378	5.73750098	1798	2837	2528
80335	NM_025222	WDR82	WD repeat domain 82	1.145849297	1.14309291	11.696207	13.413544	12.561461	5.64036226	5.83310336	5.82969004	1919	2938	2698
84515	NM_001281520,NM_001281521	MCM8	minichromosome maintenance 8	1.286305607	1.143059081	10.744724	13.765375	11.382538	5.31627029	5.67144382	5.50464438	1525	2621	2144
7014	NM_005652	TERF2	telomeric repeat binding factor 2	1.011068459	1.142872753	8.643	8.748456	9.281169	4.70677986	4.72205729	4.8925416	986	1332	1386
5564	NM_006253	PRKAB1	protein kinase AMP-activated no	-1.162897349	1.142673202	9.210943	7.927267	9.891473	4.49496323	4.28759625	4.67938813	846	972	1189
64844	NM_001282805,NM_001282806	MARCH7	membrane associated ring-CH-ty	1.352952695	1.142649479	26.73739	36.537662	28.617959	6.53403852	6.96609398	6.72448215	3599	6506	5058
399818	NM_001304467,NM_001304468	EEF1AKMT2	EEF1A lysine methyltransferase	-1.249600281	1.142531204	4.555338	3.632387	4.74232	4.04097679	3.741163	4.22226663	607	649	853
148808	NM_181644	MFSD4A	major facilitator superfamily dom	-1.829518186	1.142522186	0.705437	0.385149	0.761997	1.93632435	1.34717796	2.08088	111	81	156
56987	NM_001142568,NM_001276286	BBX	BBX, HMG-box containing	1.537928674	1.14241622	6.809782	10.604216	7.334642	5.92735377	6.54004932	6.11649229	2350	4829	3302
54806	NM_001134830,NM_001134831	AHI1	Abelson helper integration site 1	-1.235071227	1.141987813	2.389931	1.76364	2.403132	3.71696001	3.43785926	3.89484064	477	516	670
23042	NM_001285444,NM_001285445	PDXDC1	pyridoxal dependent decarboxyla	-1.079499537	1.141836744	36.809242	35.514543	38.154706	7.20217381	7.09258773	7.39231617	5742	7107	8064
410	NM_000487,NM_001085425,NM	ARSA	arylsulfatase A	1.277798038	1.14183487	4.286083	5.415946	4.546431	4.19537543	4.53185994	4.37694243	680	1161	955
79846	NM_001039706,NM_001160138	CFAP69	cilia and flagella associated prote	-1.023042246	1.141738752	1.223646	1.200068	1.312288	2.50111114	2.47408961	2.66044767	183	239	257
9150	NM_001202504,NM_001318511	CTDP1	CTD phosphatase subunit 1	-1.020257731	1.141585666	10.058853	9.885442	10.806875	5.21404828	5.18589965	5.40027255	1418	1857	1991
1111	NM_001114121,NM_001114122	CHEK1	checkpoint kinase 1	-1.086892942	1.14154029	9.07571	6.705254	7.592419	4.71239751	4.59694851	4.89655945	990	1217	1390
6553	NM_001323971,NM_001323972	SLC9A5	solute carrier family 9 member A5	-1.135375745	1.141516254	2.824536	2.403899	2.985	3.47073972	3.30503223	3.64551432	396	466	556
147687	NM_001297734,NM_152475	ZNF417	zinc finger protein 417	1.168619649	1.141201575	3.972945	4.654122	4.266665	4.26583542	4.47980886	4.44710663	716	1118	1005
101929511	NR_135639	LINC01970	long intergenic non-protein codin	1.639482556	1.141094187	0.745019	1.226428	0.797191	1.21691895	1.66595383	1.32870978	52	114	73
3925	NM_001145454,NM_005563,NM	STMN1	stathmin 1	-1.237630367	1.140906174	289.410406	233.887103	310.625574	8.76386485	8.457070865	8.95363623	17027	18382	23893
144486	NR_027035	CEP83-AS1	CEP83 antisense RNA 1 (head to	-1.029119065	1.140847049	0.5774	0.560141	0.618237	1.29387258	1.26944952	1.40965954	57	74	80
1106	NM_001042572,NM_001271	CHD2	chromodomain helicase DNA bin	1.031378777	1.140835678	24.674889	25.582879	26.813306	7.74173896	7.78610871	7.93100002	8364	11526	11736
2060	NM_001159969,NM_001981	EPS15	epidermal growth factor receptor	-1.14682961	1.14063172	10.355913	9.1141	11.174357	5.74067079	5.54696516	5.92718294	2060	2400	2890
666	NM_032515	BOK	BOK, BCL2 family apoptosis regu	1.293080465	1.140551558	13.321507	17.24198	14.275902	5.14302819	5.50458181	5.32773407	1348	2329	1891

80205	NM_001308319,NM_001352127	CHD9	chromodomain helicase DNA bin	1.056003244	1.140508338	5.288441	5.742496	5.944566	5.9085127	5.98585613	6.09523617	2319	3272	3253
171546	NM_138288	SPTSSA	serine palmitoyltransferase small	1.036254661	1.140231642	16.186148	16.787983	17.343353	5.35539329	5.40554179	5.54039208	1568	2171	2199
65123	NM_001324475,NM_023015	INTS3	integrator complex subunit 3	1.086718153	1.140224233	18.005527	19.266893	18.747932	6.48974676	6.60844647	6.67709439	3489	5066	4893
203054	NM_174922	ADCK5	aarF domain containing kinase 5	-1.144039596	1.140131136	9.086721	7.951138	9.736549	4.21727226	4.03423402	4.39693481	691	807	969
3280	NM_005524	HES1	hes family bHLH transcription fac	-1.307833624	1.14009857	58.788193	45.008965	62.989021	6.40338905	6.02143287	6.59045771	3284	3355	4605
126133	NM_001145396,NM_153329	ALDH16A1	aldehyde dehydrogenase 16 fam	-1.105973621	1.140091286	18.740686	17.10037	20.163675	5.84982955	5.70715386	6.03591064	2225	2688	3120
286827	NM_173084	TRIM59	tripartite motif containing 59	-1.195523155	1.140015855	15.037274	12.589618	16.107189	5.85173976	5.59896071	6.03773091	2228	2490	3124
23405	NM_001195573,NM_001271282	DICER1	dicer 1, ribonuclease III	1.313663954	1.139967328	13.12068	17.334188	14.144179	7.0513143	7.44231817	7.23897445	5168	9071	7246
1459	NM_001896	CSNK2A2	casein kinase 2 alpha 2	-1.043732482	1.139903229	23.41592	22.463699	25.091383	5.27889898	5.21876673	5.46325552	1485	1901	2082
997	NM_004359	CDC34	cell division cycle 34	1.2263006	1.139893368	41.557915	51.019566	44.51651	5.8943731	6.18421515	6.08030079	2296	3762	3219
5693	NM_001130725,NM_001144932	PSMB5	proteasome subunit beta 5	1.078227609	1.139888806	129.463151	132.358491	132.681344	7.22175453	7.3297168	7.4094644	5821	8386	8161
53820	NM_001317768,NM_001317777	RIPPLY3	ripply transcriptional repressor 3	1.13876058	1.139868323	1.077136	1.263142	1.149241	1.74129091	1.87534115	1.87636985	92	140	129
55663	NM_001304453,NM_017908	ZNF446	zinc finger protein 446	1.415032504	1.139611431	6.933879	9.853897	7.435155	4.01393646	4.48841131	4.19152809	595	1125	834
26190	NM_012164	FBXW2	F-box and WD repeat domain co	-1.001165256	1.139470646	10.00072	10.000484	10.708684	6.49912087	6.49745927	6.68553669	3512	4687	4922
11143	NM_001199155,NM_001199156	KAT7	lysine acetyltransferase 7	-1.090052006	1.139075015	20.49392	18.633321	6.1828954	6.06028071	6.36833848	6.36833848	2813	3448	3941
94240	NM_001002264,NM_001330543	EPSTI1	epithelial stromal interaction 1	-1.370641189	1.139017583	1.605035	1.175692	1.711898	2.58923814	2.2203867	2.74755257	197	192	276
677847	NR_002989	SNORA81	small nucleolar RNA, H/ACA box	-1.068863933	1.138905046	33.97216	31.848577	36.412102	2.78853894	2.70672986	2.95056637	232	290	325
8836	NM_003878	GGH	gamma-glutamyl hydrolase	1.029706673	1.13888951	45.669212	47.077606	48.876823	6.07365394	6.11527096	6.25867461	2605	3584	3649
29886	NM_013321	SNX8	sorting nexin 8	-1.40835267	1.138847306	10.757308	7.646053	11.513224	5.66229636	5.17984253	5.84640328	1949	1849	2730
196	NM_001621	AHR	aryl hydrocarbon receptor	1.39076313	1.138773943	5.285769	7.361695	5.657693	5.05180751	5.51544527	5.23399405	1263	2347	1769
7319	NM_001282161,NM_003336,NM	UBE2A	ubiquitin conjugating enzyme E2	1.036330618	1.138696027	42.245603	44.052355	45.715273	6.28679934	6.33763751	6.47193601	3026	4190	4238
387882	NM_001145199	C12orf75	chromosome 12 open reading fra	1.220391444	1.138689053	6.730604	8.234213	7.20472	3.31698997	3.57802367	3.48667429	352	574	493
9969	NM_005121	MED13	mediator complex subunit 13	-1.032357191	1.138645242	14.025473	13.600637	15.007136	7.16910711	7.12348833	7.35520781	5611	7262	7858
91408	NM_001136497,NM_001243767	BTF3L4	basic transcription factor 3 like 4	1.011928916	1.138337916	12.527891	12.691853	13.432964	5.83831485	5.85512633	6.02218491	2207	2984	3090
26974	NM_001291488,NM_001291489	ZNF285	zinc finger protein 285	1.362942458	1.138160627	1.290203	1.806335	1.451711	2.19091668	2.55119137	2.33885915	140	255	196
645426	NM_001207052	TMEM191C	transmembrane protein 191C	1.921257023	1.138108281	1.88609	3.65547	2.020878	1.77389308	2.49862948	1.90855849	95	244	133
728323	NR_130699,NR_130700,NR_13	LINC01881	long intergenic non-protein codin	1.185675049	1.138033187	1.353844	1.592914	1.451172	1.40904982	1.5673195	1.52834475	65	103	91
100130950	NM_034082	LOC100130950	uncharacterized LOC100130950	1.660111639	1.137961924	0.742266	1.251855	0.799051	1.18495016	1.63971536	1.29257653	50	111	70
120379	NM_001082619,NM_138789	PIH1D2	PIH1 domain containing 2	1.545467345	1.137927638	0.927855	1.442166	1.001764	1.10178443	1.47139626	1.20457043	45	93	63
283551	NR_126496,NR_126497,NR_12	LINC01588	long intergenic non-protein codin	-1.856525707	1.137683654	3.197248	1.724578	3.029081	3.12395512	2.36620557	3.28994455	303	218	424
101927574	NR_110388	LINC01186	long intergenic non-protein codin	-1.191985994	1.137653964	0.96827	0.834376	1.058709	0.71085839	0.61708849	0.78645063	25	28	35
27161	NM_001164623,NM_012154	AGO2	argonaute 2, RISC catalytic comp	1.883036224	1.137627814	6.419571	12.107931	6.893405	6.51929164	7.42497817	6.70342173	3562	8962	4984
9138	NM_004706,NM_198977,NM_19	ARHGEF1	Rho guanine nucleotide exchang	-1.239449773	1.13748674	45.674953	36.751025	49.069714	7.17038321	6.8630731	7.35502532	5616	6054	7857
91750	NM_001024674	LIN52	lin-52 DREAM MuvB core compl	1.255311668	1.137432279	5.895711	7.423872	6.310792	3.50351028	3.80552077	3.67388275	406	681	568
94081	NM_001322977,NM_001322978	SFXN1	sideroflexin 1	1.210096743	1.137327083	24.282107	29.827538	29.029657	6.54745809	6.81990741	6.73124706	3633	5874	5082
101929054	NR_135307	LOC101929054	uncharacterized LOC101929054	-1.00207692	1.137245484	0.326724	0.345709	0.359874	0.46682716	0.46599441	0.52094563	15	20	21
196441	NM_144982	ZFC3H1	zinc finger C3H1-type containing	-1.032827969	1.137120171	12.953135	12.556772	13.844393	6.51246517	6.46638246	6.69594853	3545	4586	4958
84186	NM_001289119,NM_001289120	ZCCHC7	zinc finger CCHC-type containing	1.090480023	1.137054069	5.317244	5.861179	5.645126	3.90040276	4.01734947	4.07404468	547	797	765
8874	NM_001113511,NM_001113512	ARHGEF7	Rho guanine nucleotide exchang	1.127357691	1.136896405	8.612628	9.726345	9.723834	5.44162746	5.61082803	5.62273699	1667	2511	2331
23074	NM_001006947,NM_015054	UHRF1BP1L	UHRF1 binding protein 1 like	-1.185594913	1.136814417	2.38596	2.039138	2.479316	3.65995838	3.43531911	3.83119295	457	515	639
104310353	NR_126356	LINC01399	long intergenic non-protein codin	6.008718263	1.13673828	0.397648	2.429836	0.408329	0.3273552	1.34717796	0.36729312	10	81	14
23305	NM_001009185,NM_001205247	ACSL6	acyl-CoA synthetase long-chain f	1.491607957	1.13673828	0.038142	0.059695	0.039105	0.3273552	0.46599441	0.36729312	10	20	14
283440	NR_146317,NR_146318	ITFG2-AS1	ITFG2 antisense RNA 1	2.084015866	1.13673828	0.457764	0.979005	0.477487	0.3273552	0.61708849	0.36729312	10	28	14
6051	NM_001319182,NM_001319183	RNPEP	arginyl aminopeptidase	-1.195560692	1.136575775	79.316193	66.53431	84.728281	7.54603125	7.28984863	7.72979986	7298	8156	10202
8907	NM_001130524,NM_032493	AP1M1	adaptor related protein complex	1.199754973	1.136327891	16.774733	20.170679	17.938462	5.30608931	5.56276153	5.48659953	1514	2427	2116
7453	NM_004184,NM_173701,NM_21	WARS1	tryptophanyl-tRNA synthetase	1.248087732	1.136078713	46.443388	59.356904	50.638246	6.99711436	7.31459273	7.17982764	4976	6298	6953
8446	NM_003584	DUSP11	dual specificity phosphatase 11	1.244676641	1.136068101	11.876316	14.808822	12.688472	4.32019405	4.62173661	4.49559213	745	1239	1041
7011	NM_001319035,NM_007110	TEP1	telomerase associated protein 1	1.01613328	1.136046125	7.197144	7.28969	7.734562	6.24089332	6.26368089	6.42263507	2930	3978	4094
5163	NM_001278549,NM_002610,NR	PDK1	pyruvate dehydrogenase kinase 1	4.222665554	1.136032611	2.449539	10.131322	2.486021	3.38187998	3.35065612	3.54926401	370	2088	517
27106	NM_001025604,NM_001286826	ARRDC2	arrestin domain containing 2	-1.437070848	1.135653656	11.713142	8.147861	12.504062	4.88896361	4.38690129	5.0666753	1124	1045	1570
836	NM_004346,NM_032991	CASP3	caspase 3	1.069923149	1.135520409	13.047922	14.274755	14.181068	5.09867502	5.19343546	5.27700936	1306	1867	1824
84187	NM_017698,NM_032227	TMEM164	transmembrane protein 164	-1.460872692	1.135520389	8.63117	5.914928	9.209731	5.57941842	5.04638922	5.75917693	1838	1681	2567
375033	NM_001080471	PEAR1	platelet endothelial aggregation r	-4.147779366	1.135356294	15.622849	3.767182	16.666248	6.22918489	4.2359869	6.41004203	2906	936	4058
93624	NM_152293	TADA2B	transcriptional adaptor 2B	-1.193861128	1.135288579	7.640924	6.406989	8.149917	5.04736934	4.80014446	5.22523491	1259	1409	1758
23786	NM_001270726,NM_001270727	BCL2L13	BCL2 like 13	-1.094037752	1.135253927	7.98262	7.309046	8.76844	5.30608931	5.17984253	5.48476573	1514	1849	2114
102724552	NR_125999	LOC102724552	uncharacterized LOC102724552	1.193356706	1.135238914	0.166477	0.22455	0.190775	0.17294258	0.20477631	0.19530369	5	8	7
4583	NM_002457	MUC2	mucin 2, oligomeric mucus/gel-fo	1.779557809	1.135238914	0.01512	0.025355	0.015151	0.17294258	0.29720487	0.19530369	5	12	7
100132354	NR_024478	LINC01512	long intergenic non-protein codin	-1.647024248	1.135238914	0.045857	0.034274	0.052555	0.17294258	0.10601836	0.19530369	5	4	7
8342	NM_003521	HIST1H2BM	histone cluster 1 H2B family mem	1.486457258	1.135238914	0.23463	0.43036	0.272894	0.17294258	0.25173066	0.19530369	5	10	7
100126314	NR_030615	MIR877	microRNA 877	1.339906982	1.135238914	1.361374	1.992658	1.541807	0.17294258	0.2284445	0.19530369	5	9	7
101927655	NM_001289933	ZASP	ZO-2 associated speckle protein	-1.110794961	1.135238914	0.180242	0.166954	0.194216	0.17294258	0.15624221	0.19530369	5	6	7
102465474	NR_106849	MIR6791	microRNA 6791	-3.184155122	1.135238914	1.909808	0.321528	1.843162	0.17294258	0.05398282	0.19530369	5	2	7
102466985	NR_106896	MIR6837	microRNA 6837	-1.326777498	1.135238914	1.784827	1.394917	1.975944	0.17294258	0.13134883	0.19530369	5	5	7
8289	NM_006015,NM_139135	ARID1A	AT-rich interaction domain 1A	-1.083410163	1.135211581	16.695641	15.547835	17.809805	7.13500329	7.02027731	7.31674494	5479	6757	7650
606495	NM_001031672	CYB5RL	cytochrome b5 reductase like	1.819725929	1.135204793	0.821904	1.497946	0.872725	1.93632435	2.61991364	2.07380058	111	270	155
55920	NM_001136204,NM_018715	RCC2	regulator of chromosome conden	1.102846841	1.135175572	69.903519	74.068538	71.632986	8.07708976	8.21782528	8.25937073	10563	15565	14748
51275	NR_015404	MAPKAPK5-AS1	MAPKAPK5 antisense RNA 1	-1.372153874	1.135158567	7.822368	5.7093	8.350319	4.20337642	3.77571017	4.37694243	684	666	955
80219	NM_001320818,NM_001320819	COQ10B	coenzyme Q10B	1.053914217	1.135046739	18.296008	19.414306	19.498354	5.35539329	5.42935176	5.53395803	1568	2208	2189
9552	NM_004890	SPAG7	sperm associated antigen 7	-1.028947034	1.13498975	32.991764	32.097145	35.19643	5.08466566	5.04472373	5.26229407	1293	1679	1805
25786	NR_024157	DGCR11	DiGeorge syndrome critical regio	-1.249191921	1.134901519	1.184086	0.948024	1.269747	1.83696709	1.61299082	1.97085819	101	108	141
6872	NM_001286074,NM_004606,NM	TAF1	TATA-box binding protein associa	1.079621067	1.134785914	9.438953	10.151776	10.121547	6.15428841	6.2633229	6.33430752	2757	3977	3848
55298	NM_001300926,NM_018320,NR	RNF121	ring finger protein 121	1.91331079	1.134570253	7.612225	14.425826	8.019823	4.33118941	5.23273108	4.50483355	751	1920	1048
6594	NM_001282874,NM_001282875	SMARCA1	SWI/SNF related, matrix associa	1.242969352	1.134544942	33.920297	42.25565	36.094392	7.05932659	7.37100709	7.24016067	5197	8631	7252
5359	NM_021105	PLSCR1	phospholipid scramblase 1	-1.324488133	1.134521789	43.168037	32.62804	46.022804	6.55294771	6.15247651	6.7332142	3647	3679	5089
440400	NM_001004333,NR_037715,NR	RNASEK	ribonuclease K	1.029329872	1.134492032	50.65152	52.742278	54.108407	5.38031	5.4210308	5.55825623	1596	2195	2227
644656	NR_036539	LOC644656	uncharacterized LOC644656	-1.003548202	1.134402028	3.917517	3.925995	4.190431	2.4278825	2.42372099	2.57778742	172	229	240
550643	NM_001348129	NBDY	negative regulator of P-body ass	-1.109210992	1.134264979	6.317655	5.702391	6.734032	3.96064828	3.82117143	4.1314271	572	689	798
58508	NM_170606	KMT2C	lysine methyltransferase 2C	-1.602100931	1.134225029	3.745981	2.34022	5.966078	5.2998966	6.14505901	2014	2415	3369	
8718	NM_001039664,NM_003790,NM	TNFRSF25	TNF receptor superfamily membe	-1.705181391	1.134064785	17.478778	10.325262	20.928957	4.68408793	3.95309996	4.85896034	970	760	1353
22996	NM_001080494,NM_001144832	TTC39A	tetratricopeptide repeat domain 3	1.045422601	1.134047136	4.86586	5.135903	5.355384	3.79050499	3.8500665	3.95964434	504	704	703
401588	NR_015378	ZNF674-AS1	ZNF674 antisense RNA 1 (head	1.232506472	1.134045563	1.448138	1.783091	1.541031	2.01115992	2.24380223	2.14982678	119	196	166
286262	NM_001128228	TPRN	taperin	-1.22728232	1.13402487	8.405483	6.854751	8.958993	4.49496323	4.21392593	4.66885564	846	921	1180
55833	NM_001282529,NM_001282530	UBAP2	ubiquitin associated protein 2	1.141399947	1.133982638	9.879339	11.615388	10.879261	5.38031	5.56682881	5.55762202	1596	2434	2226
55905	NM_018683	RNF114	ring finger protein 114	-1.151177577	1.133895166	46.132786	40.11882	49.162518	6.80509625	6.60392963	6.98486361	4351	5050	6068
873	NM_001286789,NM_001757	CBR1	carbonyl reductase 1	1.299816441	1.133230535	70.122336	91.985699	75.642786	6.54076391	6.91550292	6.71938758	3616	6280	5040
79955	NM_001195263,NM_013510044	PDZD7	PDZ domain containing 7	-1.259419242	1.133192851	0.662116	0.559408	0.77882	1.81624731	1.58576189	1.94780992	99	105	138
55291	NM_001164160,NM_001164161	PPP6R3	protein phosphatase 6 regulatory	1.25809027	1.133180581	20.234644	25.20957	21.309379	6.63694713	6.96521381	6.81562507	3868	6502	5391
100506801	NR_038404	LOC100506801	uncharacterized LOC100506801	-2.37802806	1.133117563	0.661504	0.276486	0.711192	1.42282133	0.77006602	1.53866543	66	37	92
10982	NM_001143826,NM_001143827	MAPRE2	microtubule associated protein R	-1.045254786	1.132936359	2.818001	2.710126	2.984201	3.66865353	3.60990992	3.83538509	460	588	641
10791	NM_006634	VAMP5	vesicle associated membrane pro	1.012216202	1.132817731	4.78549	4.841671	5.096637	2.03825186	2.05153568	2.1765086	122	165	170
23053	NM_001242487,NM_001242488	ZSWIM8	zinc finger SWIM-type containing	-1.343868451	1.132815958	11.247061	8.381054	11.978987	6.06873521	5.64969525	6.24613375	2596	2581	3617
253461	NM_001080412,NM_001350099	ZBTB38	zinc finger and BTB domain cont	-1.259953195	1.132613702	10.260911	8.196417	10.917887	6.36333314	6.03449873	6.54094167	3193	3386	4448
84975	NM_001170790,NM_032889	MFSD5	major facilitator superfamily dom	-1.192846497	1.132574333	13.568468	11.372643	14.429081	4.60475543	4.36170552	4.77742372	916	1026	1276
63897	NM_022070	HEATR6	HEAT repeat containing 6	-1.080381745	1.13255086	14.379897	13.322428	15.300612	5.80977473	5.70029381	5.98634592	2163	2675	3013
10526	NM_001190995,NM_006390	IPO8	importin 8	-1.128669973	1.132399038	10.101348	8.909318	10.547108	5.71571556	5.54461018	5.89189395	2024	2396	2819
100190939	NR_024458	TPT1-AS1	TPT1 antisense RNA 1	1.002365305	1.132331296	1.906494	1.922758	2.035417	1.94589385	1.94842076	2.08088	112	150	156
6257	NM_001270401,NM_001291989	RXRB	retinoid X receptor beta	1.047356608	1.132300635	11.959492	12.548965	12.730052	5.13154304	5.1964388	5.30599715	1337	1871	1862
100137047	NM_001114632	JMJD7	jumonji domain containing 7	-1.107244421	1.132129727	8.795813	7.956678	9.362498	3.72253824	3.58720616	3.88880246	479	578	667
490	NM_001001323,NM_001682	ATP2B1	ATPase plasma membrane Ca2+	1.790196183	1.132118098	8.263345	14.820587	8.794563	5.79661292	6.6252598	5.97261393	2143	5126	2984

388677	NM_203458	NOTCH2NL	notch 2 N-terminal like	-1.16017128	1.132091566	4.799953	4.140726	5.106308	4.69263929	4.48718552	4.86512445	976	1124	1359
3932	NM_001042771,NM_001330468	LCK	LCK proto-oncogene, Src family	-2.326361014	1.131935494	0.345292	0.138756	0.382101	0.77668602	0.38406669	0.85412573	28	16	39
10961	NM_001034025,NM_006817	ERP29	endoplasmic reticulum protein 29	-1.031446821	1.131864771	124.01418	120.616156	132.140652	7.47737375	7.43295818	7.65513456	6957	9012	9685
138429	NM_001135219,NM_173492	PIP5KL1	phosphatidylinositol-4-phosphate	-1.300260567	1.131836433	5.660985	4.610032	6.245214	2.90595399	2.58366954	3.06208787	255	262	355
79650	NM_001195302,NM_001204911	USB1	U6 snRNA biogenesis phosphodi	1.482725372	1.131650839	18.530117	27.60933	20.152434	5.46677296	6.02439359	5.64141262	1697	3362	2362
116151	NM_080821	FAM210B	family with sequence similarity 2	1.122622118	1.131645719	3.825301	4.303701	4.069846	3.62166181	3.77571017	3.78642406	444	666	618
81887	NM_001170649,NM_001170650	LAS1L	LAS1 like, ribosome biogenesis f	1.088604905	1.131578078	30.881367	33.784369	32.962772	6.21094615	6.33184486	6.38702237	2869	4173	3993
8073	NM_001195100,NM_001195101	PTP4A2	protein tyrosine phosphatase typ	1.05752932	1.131094279	56.56418	59.44438	61.753595	7.69000425	7.77032284	7.8669158	8068	11400	11224
5110	NM_001252049,NM_001252050	PCMT1	protein-L-isoaspartate (D-aspart	1.123981315	1.130789123	45.368352	50.796579	46.939617	6.02820678	6.19439106	6.20298496	2523	3789	3509
55266	NM_018279	TMEM19	transmembrane protein 19	1.05558853	1.130734774	4.856755	5.133458	5.15858	4.52559963	4.60035389	4.69562066	865	1220	1203
147339	NM_001008239,NM_145055	C18orf25	chromosome 18 open reading fra	-1.117205191	1.130721427	8.440053	7.577172	9.012955	5.48985314	5.33370663	5.66339097	1725	2063	2399
284656	NM_001099439,NM_173641	EPHA10	EPH receptor A10	1.227824078	1.130603156	1.518987	1.865388	1.612496	3.19389071	3.46052158	3.35270793	320	525	445
307	NM_001153,NM_001320698,NM	ANXA4	annexin A4	-1.520601293	1.130557171	38.102065	25.231265	40.980621	6.36912395	5.77351513	6.54414675	3206	2817	4458
8312	NM_003502,NM_181050,NR_13	AXIN1	axin 1	1.130352213	1.130496383	17.625896	20.069045	18.818487	5.97369967	6.14782946	6.14801122	2428	3667	3376
408	NM_004041,NM_020251	ARRB1	arrestin beta 1	1.309692923	1.130309367	1.710596	2.247337	1.820159	3.75828027	4.12214544	3.92268941	492	861	684
151242	NM_001080545,NM_001261424	PPP1R1C	protein phosphatase 1 regulatory	-1.394217901	1.130276563	8.600615	6.475705	10.390266	3.91021271	3.46799726	4.0758175	551	528	766
2595	NM_001301409,NM_001301410	GANC	glucosidase alpha, neutral C	1.075056987	1.130143626	5.220149	5.726387	5.632408	3.98405928	4.08211055	4.15005835	582	836	809
80204	NM_001190274,NM_025133	FBXO11	F-box protein 11	1.09850559	1.13011782	22.399824	24.629578	23.785347	6.48277871	6.61687763	6.65739873	3472	5096	4826
55014	NM_017919	STX17	syntaxin 17	1.072871679	1.130094875	7.912447	8.498583	8.402967	5.76114205	5.86081659	5.93452919	2090	2996	2905
401934	NM_001205252	RNF223	ring finger protein 223	-1.081387667	1.130053069	6.033932	5.585637	6.411053	2.92543304	2.8278811	3.07986458	259	320	360
2176	NM_000136,NM_001243743,NM	FANCC	Fanconi anemia complementatio	1.193591903	1.130018244	5.074288	5.952793	5.64717	4.49984402	4.7448025	4.66885564	849	1354	1180
57555	NM_020795	NLGN2	neuroligin 2	1.395766912	1.129896102	8.755363	12.231451	9.296082	5.3436769	5.81465343	5.51578855	1555	2900	2161
5825	NM_001122674,NM_002858	ABCD3	ATP binding cassette subfamily D	-1.00436042	1.129774273	19.855314	19.335238	16.835914	5.69316485	5.68700902	5.866002	1992	2650	2768
90271	NR_026762	OLMALINC	oligodendrocyte maturation-asso	-2.328149498	1.129674576	10.035811	4.319161	10.67077	3.41670749	2.36620557	3.57706795	380	218	528
441150	NM_001008739	C6orf226	chromosome 6 open reading fran	-1.1132932	1.129559938	4.457346	4.037261	4.753989	1.77389308	1.66595383	1.90057841	95	114	132
84133	NM_001206998,NM_032173	ZNRF3	zinc and ring finger 3	1.097685022	1.129455375	2.172616	2.385906	2.303701	3.9199564	4.04593672	4.08464905	555	814	771
10552	NM_001190996,NM_006409	ARPC1A	actin related protein 2/3 complex	-1.313302545	1.1294461	83.406309	63.570057	88.526971	7.03907211	6.64929626	7.21343331	5124	5213	7118
22826	NM_014280	DNAJC8	DnaJ heat shock protein family (H	1.236450921	1.129431065	50.764053	62.837864	53.876568	6.46250395	6.76558561	6.63622955	3423	5655	4755
55250	NM_001242875,NM_001242876	ELP2	elongator acetyltransferase comp	1.135621915	1.129333422	7.813865	8.882538	8.339904	5.49393602	5.67360076	5.66574708	1730	2625	2403
8030	NM_005436	CCDC6	coiled-coil domain containing 6	-1.489466321	1.129212395	10.725025	7.206842	11.381817	5.95071282	5.38726856	6.12336578	2389	2143	3318
93611	NM_001014765,NM_001304790	FBXO44	F-box protein 44	1.382955809	1.129186941	10.045359	14.437415	10.891286	4.96034122	5.41524189	5.13032929	1183	2186	1643
9147	NM_001301732,NM_004713	NEMF	nuclear export mediator factor	-1.15790818	1.129117589	21.245391	18.371554	22.546243	6.64578166	6.43652791	6.8193336	3892	4491	5405
29998	NM_015711	BICRA	BRD4 interacting chromatin remo	-1.118764387	1.128941356	5.09174	4.553299	5.400571	4.88025587	4.72413992	5.04963668	1117	1334	1551
6613	NM_001005849,NM_006937	SUMO2	small ubiquitin-like modifier 2	-1.139255001	1.128903554	283.954466	249.481534	301.071776	8.20488382	8.01747197	8.37924924	11545	13540	16030
100129250	NM_001349118,NM_001349119	SMIM27	small integral membrane protein	1.41248335	1.128836145	0.923327	1.29934	0.978155	0.93882015	1.19932051	1.02535867	36	68	50
10597	NR_002166	TRAPPC2B	trafficking protein particle comple	-1.165888852	1.128792581	37.441261	32.137718	39.71508	4.79148701	4.57864948	4.96032831	1048	1201	1455
84987	NM_001257133,NM_001257134	COX14	COX14, cytochrome c oxidase as	-1.237554248	1.128539296	20.903284	17.062513	22.148535	4.03201954	3.74527057	4.1964253	603	651	837
11258	NM_001281425,NM_001281426	DCTN3	dynactin subunit 3	1.206465615	1.128468543	20.243643	24.453781	21.455265	4.16497021	4.42196539	4.33017765	665	1072	923
56097	NM_018929,NM_032407	PCDHGC5	protocadherin gamma subfamily	3.271292179	1.128437408	0.178477	0.354805	0.189273	0.54446555	1.32539385	0.60191771	18	79	25
9885	NM_001278649,NM_014835,NM	OSBPL2	oxysterol binding protein like 2	-1.039872393	1.128230449	21.481916	20.68147	22.932394	6.40555802	6.34982807	6.57768983	3289	4226	4564
1107	NM_001005271,NM_001005273	CHD3	chromodomain helicase DNA bin	1.191283493	1.128152796	19.971702	23.868503	21.2091	7.16475992	7.41566573	7.33758305	5594	8904	7762
23170	NM_015140	TTLL12	tubulin tyrosine ligase like 12	1.07601932	1.128129397	9.554737	10.295346	10.127831	5.02158142	5.12415271	5.19047509	1236	1777	1715
151507	NR_024322	MSL3P1	male-specific lethal 3 homolog (D	1.872776189	1.128101234	8.000412	15.00447	8.483202	4.04543465	4.90942294	4.20940382	609	1524	845
56907	NM_001128626,NM_001128627	SPIRE1	spire type actin nucleation factor	-1.404761752	1.128013358	10.517286	7.678732	11.314854	5.8267075	5.34660637	5.99761231	2189	2082	3037
22937	NM_001320044,NM_012235	SCAP	SREBF chaperone	1.459484663	1.127538033	10.789956	15.603302	11.275267	5.45509291	5.99018926	6.62455491	1683	3282	2334
6643	NM_001278199,NM_003100	SNX2	sorting nexin 2	1.204351457	1.127448895	8.694868	10.457478	9.164574	5.82088862	6.08479986	5.99140095	2180	4508	3023
57600	NM_001323916,NM_001346043	FNIP2	folliculin interacting protein 2	-1.105603502	1.127420179	1.221368	1.109109	1.296802	3.23740108	3.10858833	3.39308282	331	400	459
375061	NM_198552	FAM89A	family with sequence similarity 89	1.369403314	1.127398114	1.83842	2.536222	1.949278	1.88750088	2.23214197	2.01587867	106	194	147
646	NM_001301206,NM_001717	BNC1	basonuclin 1	-2.397105166	1.127398114	0.58231	0.241089	0.616954	1.88750088	1.08728891	2.01587867	106	59	147
55631	NM_017768	LRRC40	leucine rich repeat containing 40	1.063212174	1.127391195	8.102217	8.627757	8.586126	4.60021751	4.68511603	4.76648826	913	1297	1266
7905	NM_005669	REEP5	receptor accessory protein 5	-1.33824007	1.127292695	84.694435	63.356041	89.718002	8.01096183	7.59251022	8.1831941	10088	10072	13987
50808	NM_001199852,NM_001199853	AK3	adenylate kinase 3	1.059144906	1.127091778	3.503988	3.663046	3.655148	3.91752664	3.99509991	4.07935661	554	784	768
10809	NM_006645	STARD10	StAR related lipid transfer domain	1.02319195	1.127064593	13.755865	14.09556	14.578925	4.78883075	4.82072735	4.95552185	1046	1430	1450
7323	NM_001300795,NM_003340,NM	UBE2D3	ubiquitin conjugating enzyme E2	1.120339606	1.127047892	47.231154	54.088623	51.717141	7.54426054	7.70736848	7.71594032	7289	10911	10104
100506844	NR_038269	LOC100506844	uncharacterized LOC100506844	1.504760006	1.127022382	3.285769	4.954338	3.463737	1.69664266	2.12902957	1.81825156	88	177	122
10973	NM_001284271,NM_006828,NM	ASCC3	activating signal cointegrator 1 co	1.08321914	1.127021059	8.210174	8.475657	7.76079	5.7853302	5.89864975	5.95490187	2126	3077	2947
10927	NM_006717	SPIN1	spindlin 1	-1.042673166	1.126604903	31.608316	30.349693	33.467949	7.13500329	7.07515303	7.30583432	5479	7021	7592
85369	NM_001270768,NM_033088,NR	STRIP1	striatin interacting protein 1	-1.027589407	1.126520747	9.715921	9.459846	10.254497	5.00222007	4.96419416	5.16904389	1219	1585	1689
5716	NM_002814,NM_170750	PSMD10	proteasome 26S subunit, non-AT	1.197215653	1.126461338	37.177397	44.573642	39.340621	5.84536252	6.10091747	6.01434863	2218	3548	3073
414060	NM_001001418,NM_001001418	TBC1D3C	TBC1 domain family member 3C	-1.317186515	1.126369708	8.664812	6.584821	9.176197	4.23103553	3.8576751	4.39409566	698	708	967
122961	NM_001272007,NM_194279	ISCA1	iron-sulfur cluster assembly 2	1.113030438	1.126269224	29.488219	32.873992	31.21632	4.98839509	5.13827799	5.11857706	1207	1795	1672
54830	NM_017681,NR_033676	NUP62CL	nucleoporin 62 C-terminal like	1.196638387	1.126059452	5.89971	6.827779	6.262878	3.39591204	3.63226192	3.5518139	374	598	518
5310	NM_000296,NM_001009944	PKD1	polycystin 1, transient receptor p	1.590982013	1.12596906	6.603929	10.520557	6.988387	6.52249295	7.18658531	6.69190841	3570	7589	4944
79034	NM_001303039,NM_024067	C7orf26	chromosome 7 open reading fran	-1.25016136	1.125724066	4.361402	3.496402	4.620749	3.36057263	3.07308051	3.51569869	364	389	504
10957	NM_006813	PNRC1	proline rich nuclear receptor coac	1.383117779	1.125641542	7.740196	10.724965	8.191428	4.09573376	4.54015842	4.2570592	632	1168	875
25828	NM_012473	TXN2	thioredoxin 2	1.295242389	1.125550894	59.086895	76.62661	62.495697	6.28302914	6.65203359	6.4515983	3018	5223	4178
2629	NM_000157,NM_001005741,NM	GBA	glucosylceramidase beta	1.330063628	1.125443483	16.915949	23.053295	17.421602	5.3934833	5.79645942	5.56015719	1611	2863	2230
285116	NR_077058	AHCTF1P1	AT-hook containing transcription	1.098372484	1.125440687	1.276102	1.406333	1.351763	3.58538547	3.70997765	3.74245532	432	634	598
22806	NM_001257408,NM_001257409	IKZF3	IKAROS family zinc finger 3	1.776661526	1.125385452	0.541136	0.962846	0.579872	2.62541894	3.34888182	2.7696269	203	482	281
152302	NR_002786	CIDECP	cell death-inducing DFFA-like eff	1.181860124	1.12529578	5.323671	6.306606	5.642348	2.37218925	2.56983975	2.51121823	164	259	227
11007	NM_006848	CCDC85B	coiled-coil domain containing 85E	1.302392288	1.125231245	40.526516	52.851059	42.861553	5.63297616	6.00739279	5.79996773	1909	3322	2642
57156	NM_020431	TMEM63C	transmembrane protein 63C	4.390294555	1.125222834	0.123038	0.552901	0.132025	0.73313634	1.96964178	0.80366934	26	153	36
7248	NM_000368,NM_001162426,NM	TSC1	tuberous sclerosis 1	1.100285812	1.125151094	10.342327	11.360546	10.929267	6.45162908	6.58800837	6.61991848	3397	4994	4701
6451	NM_003022	SH3BGRL	SH3 domain binding glutamate ri	-1.098440594	1.12512359	23.86198	21.743605	25.225033	5.6120916	5.47952756	5.7789005	1881	2288	2603
7098	NM_003265	TLR3	toll like receptor 3	-1.065233366	1.125116832	3.516181	3.304069	3.719755	3.51319803	3.43022535	3.66919325	409	513	566
6868	NM_003183	ADAM17	ADAM metallopeptidase domain	1.224666866	1.124847041	21.702374	26.610943	22.943617	6.5482436	6.83780992	6.71626534	3635	5948	5029
161247	NM_203402	FITM1	fat storage inducing transmembra	-1.332465618	1.124687495	0.317215	0.248061	0.343175	0.41264541	0.31941552	0.45706734	13	13	18
4976	NM_015560,NM_130831,NM_13	OPA1	OPA1, mitochondrial dynamin like	1.068172471	1.124251379	25.843437	27.68074	27.302565	7.33487669	7.42945242	7.5028562	6299	8990	8710
9028	NM_001278720,NM_001278721	RHBDL1	rhomboid like 1	1.201503884	1.124242542	4.285661	5.155564	4.550909	2.91048846	3.14324318	3.05850609	256	411	354
23438	NM_001278731,NM_001278732	HARS2	histidyl-tRNA synthetase 2, mitoc	1.145684373	1.124195159	19.750858	22.542573	20.833479	5.61434375	5.80681389	5.77998839	1884	2884	2605
10782	NM_001278734,NM_016324,NM	ZNF274	zinc finger protein 274	-1.224295709	1.124166751	23.635146	19.50975	24.987802	6.06818765	5.78103713	6.23467365	2595	2832	3588
23517	NM_015360	SKIV2L2	Ski2 like RNA helicase 2	1.008885176	1.124129855	30.558594	30.863194	32.282627	6.97829416	6.99095565	7.14584247	4911	6620	6790
4738	NM_006156	NEDD8	neural precursor cell expressed,	1.128729105	1.124096984	198.346802	224.128326	209.536667	6.92727522	7.10062566	7.09473626	4739	7147	6552
59342	NM_021626	SCPEP1	serine carboxypeptidase 1	-1.027197413	1.124038409	23.516052	22.922205	24.844685	5.50934646	5.47149182	5.67454836	1749	2275	2418
29926	NM_013335,NM_205847	GMPPA	GDP-mannose pyrophosphorylas	1.213193118	1.123962736	23.179333	25.639096	23.494806	5.26176079	5.53396493	5.4262136	1467	2378	2028
8673	NM_003761	VAMP8	vesicle associated membrane pro	-1.023055169	1.12377156	98.707779	96.577408	104.22699	6.23992124	6.20747612	6.40617212	2928	3824	4047
10098	NM_005723	TSPAN5	tetraspanin 5	1.326364169	1.123753775	3.885338	5.158996	4.102232	3.79315817	4.17486912	3.95001076	505	895	698
79633	NM_001291285,NM_001291303	FAT4	FAT atypical cadherin 4	2.671921329	1.123719333	0.108752	0.295384	0.115479	1.449976	2.49375478	1.5590879	68	243	94
727957	NM_001099280,NM_001099281	MROH1	maestro heat like repeat family m	1.006840126	1.123675258	12.460254	13.243571	14.58742	5.68747166	5.6971166	5.85262116	1984	2669	2742
10490	NM_006370	VTI1B	vesicle transport through interact	1.164667931	1.123400779	32.919037	38.391254	34.752911	5.44753406	5.6627837	5.61178108	1674	2605	2313
7942	NM_001167827,NM_001271943	TFEB	transcription factor EB	-1.24568558	1.123278925	2.38211	1.922158	2.537537	2.64904502	2.38738651	2.79136857	207	222	286
8036	NM_001269039,NM_001324336	SHOC2	SHOC2, leucine rich repeat scaff	-1.115456662	1.123188358	4.626641	4.086779	4.619628	4.1064401	3.95841731	4.26485094	637	763	880
3054	NM_005334	HCFC1	host cell factor C1	-1.132855097	1.122804992	15.571985	13.761493	16.43013	7.00857515	6.83009554	7.17446007	5016	5916	6927
51409	NM_001317851,NM_016173	HEMK1	HemK methyltransferase family m	1.354240524	1.122759374	2.333496	3.177671	2.491562	3.89793981	4.30995418	4.05439856	546	988	754
124245	NM_001294340,NM_144604	ZC3H18	zinc finger CCCH-type containing	1.21238903	1.122739092	25.866237	31.352789	27.35236	6.57624091	6.85144979	6.74161454	3707	6005	5119
3159	NM_001319077,NM_001319078	HMGA1	high mobility group AT-hook 1	1.341475518	1.122468959	206.915349	279.567012	219.041928	8.65120455	9.07411404	8.81748964	15745	28221	21737
51244	NM_016474,NR_135523	CCDC174	coiled-coil domain containing 174	1.009514541	1.122311608	5.328584	5.384592	5.65121	4.02977152	4.04260277	4.18661421	602	812	831
84962	NM_001289097,NM_032876,NM	AJUBA	ajuba LIM protein	-3.211921729	1.122310018	16.753374	5.599228	17.445377	6.04778035	4.41166458	6.21187981	2558	1064	3531
8243	NM_001281463,NM_006306	SMC1A	structural maintenance of chrom	-2.112783917	1.122286946	6.937748	3.28711	7.316094	6.06818765	5.01270852	6.23229119	2595	1641	3582

22	NM_001271696,NM_001271697	ABCB7	ATP binding cassette subfamily E	1.040921496	1.122284779	10.373925	10.781753	10.907342	4.66538426	4.72101485	4.82563275	957	1331	1321
92912	NM_001145335,NM_001284382	UBE2Q2	ubiquitin conjugating enzyme E2	-1.080282776	1.122077529	8.630727	7.91836	9.029364	4.733271	4.62619813	4.89354711	1005	1243	1387
8847	NR_002612	DLEU2	deleted in lymphocytic leukemia	1.548748446	1.12204656	0.664956	1.038313	0.705965	1.48977343	1.92688293	1.59908548	71	147	98
85025	NM_032936	TMEM60	transmembrane protein 60	-1.485372032	1.121909746	28.298433	19.076748	29.834024	4.64790143	4.1046668	4.80760927	945	850	1304
79672	NM_024619,NR_046408	FN3KRP	fructosamine 3 kinase related pro	-1.038432763	1.12188091	31.981682	30.948973	33.777662	5.86125307	5.80779617	6.02448161	2243	2886	3095
55755	NM_001011649,NM_001272039	CDK5RAP2	CDK5 regulatory subunit associa	1.077303358	1.121797083	13.967983	14.903239	14.499469	6.39642635	6.50262483	6.56038277	3268	4704	4509
828	NM_004058,NM_080590	CAPS	calcyphosine	1.263686985	1.121794808	17.422733	22.00352	18.308025	5.21800288	5.54755331	5.37960921	1422	2401	1962
221302	NM_145062	ZUFSP	zinc finger with UFM1 specific pe	-1.189885524	1.121687967	11.83889	9.961881	12.481532	4.7277342	4.48718552	4.88750351	1001	1124	1381
3460	NM_001329128,NM_005534	IFNGR2	interferon gamma receptor 2	-1.10604797	1.121647119	42.627291	38.579987	44.934325	6.54234181	6.39856393	6.70628577	3620	4373	4994
5594	NM_002745,NM_138957	MAPK1	mitogen-activated protein kinase	1.595187623	1.121534941	25.31844	39.415871	28.754068	7.03010299	7.69971592	7.19438431	5092	10853	7024
26289	NM_012093,NM_174858	AK5	adenylate kinase 5	1.189385699	1.121513866	1.484246	1.771234	1.856306	2.74535098	2.96099164	2.88736461	224	356	309
57154	NM_001199847,NM_020429,NM	SMURF1	SMAD specific E3 ubiquitin prote	-1.880990168	1.121396356	23.029951	12.255186	24.275087	7.00457422	6.10291957	7.16865719	5002	3553	6899
55315	NM_001174098,NM_018344,NR	SLC29A3	solute carrier family 29 member	-1.018645992	1.121104772	5.139203	5.109069	5.482145	3.62762016	3.60313623	3.77991357	446	585	615
83891	NM_001317781	SNX25	sorting nexin 25	-1.224463579	1.121080803	3.275782	2.682907	3.456494	3.53871843	3.27409343	3.69017701	417	455	575
6715	NM_001047,NM_001324322,NM	SRD5A1	steroid 5 alpha-reductase 1	1.422349952	1.121059096	3.578307	3.80002	3.201899	3.6629841	3.34978031	322	612	444
554223	NR_132323	LOC554223	histocompatibility antigen-related	1.22045128	1.120717756	6.615089	8.083233	6.954489	3.21383096	3.47295962	3.36145532	325	530	448
5868	NM_001292048,NM_004162	RAB5A	RAB5A, member RAS oncogene	-1.065092129	1.120684886	20.259931	19.02882	21.323548	5.67097747	5.58183624	5.83231428	1961	2460	2703
79109	NM_001006617,NM_001006618	MAPKAP1	mitogen-activated protein kinase	1.158904476	1.120615458	28.352694	32.602807	29.168377	6.42920394	6.63967452	6.59169733	3344	5178	4609
113130	NM_080668	CDCA5	cell division cycle associated 5	1.144578684	1.120566874	27.897308	31.959204	29.36994	6.14911979	6.34137334	6.3111659	2747	4201	3786
23102	NM_015079,NM_144572	TBC1D2B	TBC1 domain family member 2B	-1.07601215	1.12047494	6.382907	5.93875	6.72273	5.27510805	5.17223519	5.4352184	1481	1839	2041
6888	NM_006755	TALDO1	transaldolase 1	-1.29268887	1.12035309	89.594498	69.374557	94.322311	6.77387117	6.40733916	6.93641176	4257	4400	5866
27241	NM_001033604,NM_001033605	BBS9	Bardet-Biedl syndrome 9	-1.020495212	1.120343369	1.808322	1.96464	1.991558	3.0724647	3.04669644	3.21791812	291	381	401
83943	NM_001244606,NM_001350959	IMMP2L	inner mitochondrial membrane pe	-1.271666482	1.120324638	6.225922	4.998365	7.056846	3.25675288	2.95035633	3.40441396	336	353	463
85021	NM_001128617,NM_001286611	REPS1	RALBP1 associated Eps domain	1.150473913	1.12030193	8.736762	10.087159	9.20682	5.12523965	5.32206616	5.28469437	1331	2046	1834
8065	NM_003478	CUL5	cullin 5	-1.045431764	1.120281785	4.992435	4.778363	5.255664	4.99417161	4.93212219	5.15317881	1212	1549	1670
23094	NM_015073	SIPA1L3	signal induced proliferation assoc	-1.11649079	1.120280457	10.944495	9.814624	11.522377	6.42963029	6.27260196	6.59169733	3345	4003	4609
10827	NM_001317993,NM_001317994	FAM114A2	family with sequence similarity 1	1.013433553	1.120183505	3.858955	3.915284	4.116833	4.18531139	4.20351422	4.34053776	675	914	930
50813	NM_001164093,NM_001164094	COPS7A	COP9 signalosome subunit 7A	-1.097646622	1.120165137	29.212267	27.251968	31.546618	5.85745527	5.7254627	6.01850255	2237	2723	3082
2921	NM_002090	CXCL3	C-X-C motif chemokine ligand 3	1.122578796	1.120128646	4.073034	4.584815	4.2902	2.48150547	2.61991364	2.6127769	270	248	248
25953	NM_001077399,NM_015488,NM	PNKD	paroxysmal nonkinesigenic dyski	1.128449763	1.120113391	29.649912	33.616519	28.060054	5.14821864	5.31793524	5.36750681	1353	2040	1864
10808	NM_001286503,NM_001286504	HSPH1	heat shock protein family H (Hsp	1.787368049	1.120041338	19.263191	34.589125	20.467799	6.63842332	7.46988406	6.80042684	3872	9247	5334
56922	NM_001293273,NM_020166,NR	MCCC1	methylcrotonoyl-CoA carboxylase	1.079854052	1.119953171	17.649101	19.092052	18.684173	5.48082991	5.58928181	5.64081394	1714	2473	2361
56886	NM_020120,NR_027671	UGGT1	UDP-glucose glycoprotein glucos	1.251135563	1.119928401	9.546301	11.960217	10.134093	6.68130478	7.00172617	6.84320946	3990	6670	5496
253143	NM_173566	PRR14L	proline rich 14 like	-1.138604365	1.119854386	3.968657	3.488523	4.177022	5.42119065	5.23857061	5.5809041	1643	1928	2263
79651	NM_001005498,NM_024599	RHBDF2	rhomboid 5 homolog 2	-1.205759874	1.119574574	21.881647	18.216308	23.063714	6.23748817	5.97146376	6.39840103	2923	3239	4025
8270	NM_006014	LAGE3	L antigen family member 3	1.343400775	1.119574452	10.08823	13.551742	10.610052	3.3677101	3.75752359	3.51569869	366	657	504
23506	NM_001318819,NM_015349	BICRAL	BRD4 interacting chromatin remo	-1.285082178	1.119258688	1.749681	1.363184	1.838893	3.65121051	3.3216324	3.80150191	454	472	625
84196	NM_001032730,NM_001330394	USP48	ubiquitin specific peptidase 48	-1.31470327	1.119204658	22.590352	17.451549	24.719193	6.4436299	6.05408526	6.60434238	3378	3433	4650
106633808	NR_132759	SNORD143	small nucleolar RNA, C/D box 14	1.117628228	1.119091484	26.413483	29.481592	27.826292	1.56621863	1.67459501	1.67590018	77	115	106
11176	NM_001300905,NM_001351156	BAZ2A	bromodomain adjacent to zinc fin	-1.018934752	1.118866146	22.872274	22.478761	24.053698	7.64499974	7.61807417	7.80627344	7819	10253	10760
10577	NM_006432	NPC2	NPC intracellular cholesterol tran	2.327178749	1.11871851	129.784424	302.360474	136.421463	6.83726752	8.04865591	6.99777889	4450	13837	6123
5980	NM_001286431,NM_001286432	REV3L	REV3 like, DNA directed polyme	1.116435394	1.118596034	1.425053	1.593764	1.499838	4.03426408	4.18397654	4.18661421	604	901	831
5720	NM_001281528,NM_001281529	PSME1	proteasome activator subunit 1	-1.165866892	1.118531463	222.27712	191.179053	233.455034	7.78869429	7.56837004	7.94961054	8642	9904	11889
2635	NM_001319179,NM_001319180	GBP3	guanylate binding protein 3	-1.24133102	1.118472685	11.888651	9.436062	12.207635	5.11679207	4.81487642	5.27392385	1323	1424	1820
5467	NM_001171818,NM_001171819	PPARD	peroxisome proliferator activated	-1.263526987	1.118305648	11.827227	9.651904	12.593243	5.43059347	5.10190141	5.58837507	1654	1749	2275
50943	NM_021627	SENP2	SUMO1/sentrin/SMT3 specific pe	-1.030766414	1.118132957	21.562935	20.941738	22.660336	6.08885029	6.04570336	6.24770733	2633	3413	3621
57224	NM_001144060,NM_020464	NHSL1	NHS like 1	-1.249111825	1.118095063	2.056348	1.64777	2.305638	4.00022383	3.70154644	4.15174023	589	630	810
10161	NM_001162497,NM_001162498	LPAR6	lysophosphatidic acid receptor 6	1.796479631	1.117896398	2.869483	4.544372	3.008372	2.98698269	3.74936649	3.12850473	272	653	374
678	NM_006887	ZFP36L2	ZFP36 ring finger protein like 2	-1.122714223	1.117869353	20.272209	18.075346	21.297813	6.20746949	6.04286594	6.366167	2862	3406	3935
348094	NM_182703	ANKDD1A	ankyrin repeat and death domain	1.172045045	1.117847845	1.13861	1.339756	1.194743	2.15835987	2.33928445	2.28470378	136	213	187
50640	NM_001256007,NM_001256008	PNPLA8	patatin like phospholipase domai	-2.113647368	1.11779529	7.987996	3.783793	8.45119	5.24150548	4.20351422	5.39814864	1446	914	1988
5880	NM_002872	RAC2	ras-related C3 botulinum toxin su	1.264573948	1.117616064	22.075249	27.965075	23.196112	5.06613802	5.39577602	5.22203654	1276	2156	1754
149111	NM_001322302,NM_001322303	CNIH3	cornichon family AMPA receptor	2.372607137	1.117615343	0.442627	1.13165	0.47996	1.01352966	1.77444288	1.09694451	40	127	55
729461	NR_136569	LINC01660	long intergenic non-protein codin	2.031357075	1.117533218	0.43705	0.91157	0.469186	0.86002952	1.41062362	0.93448595	32	87	44
26508	NM_014571	HEYL	hes related family bHLH transcrip	-1.281069912	1.117396599	0.152366	0.118974	0.160286	0.68823103	0.56226574	0.75138414	24	25	33
220594	NR_003554	USP32P2	ubiquitin specific peptidase 32 ps	1.24629254	1.117396599	0.128978	0.160592	0.134458	0.68823103	0.81765451	0.75138414	24	40	33
441687	NR_033777	TEX21P	testis expressed 21, pseudogene	-1.105237558	1.117396599	0.595628	0.542854	0.627163	0.68823103	0.63490936	0.75138414	24	29	33
5428	NM_001126131,NM_002693	POLG	DNA polymerase gamma, catalyt	-1.047148223	1.117383282	22.536786	21.547727	23.647332	6.62023516	6.55445888	6.77882228	3823	4878	5254
3727	NM_001286968,NM_005354	JUND	JunD proto-oncogene, AP-1 trans	-1.177161136	1.11726363	34.03791	28.949621	35.74024	6.04611298	5.81465343	6.20379585	2555	2900	3511
84988	NM_001329442,NM_001329443	PPP1R16A	protein phosphatase 1 regulatory	1.337467473	1.117192995	28.049356	22.024886	28.049355	5.90606357	6.31950074	6.06342327	2315	4137	3181
54690	NM_001170670,NM_017953	ZNHIT6	zinc finger HIT-type containing 6	1.355524668	1.117123586	5.810472	7.889563	6.10716	5.17287613	5.60122869	5.33647781	1377	2494	1892
8805	NM_003852,NM_015905	TRIM24	tripartite motif containing 24	-1.372882559	1.116861069	8.140257	5.956666	8.480464	4.57519242	5.01591383	5.1707038	1231	1198	1691
57480	NM_001029884,NM_001329798	PLEKHG1	pleckstrin homology and RhoGEF	1.468208398	1.116844668	1.547288	1.640515	1.448662	3.0637142	3.5618123	3.20501631	289	567	397
7001	NM_005809	PRDX2	peroxiredoxin 2	1.509594812	1.116715081	60.640343	91.664841	63.660229	5.96136766	6.54771313	6.11821373	2407	4855	3306
101929693	NR_110861	RARA-AS1	RARA antisense RNA 1	1.455210802	1.11668441	1.316893	1.9335	1.385436	1.73025772	2.12902957	1.84344662	91	177	125
79029	NM_001323640,NM_024063,NR	SPATA5L1	spermatogenesis associated 5 lik	-1.062810024	1.116673831	4.971417	4.67403	5.102036	3.7528388	3.67164303	3.90085366	490	616	673
8821	NM_001101669,NM_001331040	INPP4B	inositol polyphosphate-4-phosph	-1.801125972	1.11666975	9.502056	8.483742	12.925177	6.25491539	5.4210308	6.41214851	2959	2195	4064
286333	NR_024366	FAM225A	family with sequence similarity 2	1.259846556	1.116575801	0.710615	0.896019	0.745379	2.32896139	2.6019054	2.45783582	158	266	217
55561	NM_017525	CDC42BPG	CDC42 binding protein kinase ga	1.415322384	1.116464373	6.954047	9.85089	7.29566	5.10616256	5.59498314	5.26073633	1313	2483	1803
2804	NM_001256486,NM_001256487	GOLGB1	golgin B1	1.32886977	1.116444915	9.962557	13.257699	10.47757	6.78057164	7.18752899	6.93811829	4277	7594	5873
10762	NM_007172,NM_153645	NUP50	nucleoporin 50	-1.056450674	1.11634442	15.304863	14.508621	16.07993	6.30085049	6.22265489	6.45772977	3056	3865	4196
730098	NM_001320037,NM_001320038	LOC730098	uncharacterized LOC730098	4.906126483	1.11631497	0.123995	0.710537	0.143831	0.26755841	1.00745609	0.29607837	8	53	11
84206	NM_032246	MEX3B	mex-3 RNA binding family memb	-1.330220287	1.11631497	0.059069	0.044423	0.056624	0.26755841	0.20477631	0.29607837	8	8	11
89781	NM_001349896,NM_001349898	HPS4	HPS4, biogenesis of lysosomal o	1.099571791	1.116217921	31.33594	34.129012	32.965866	7.25340848	7.38949612	7.41104519	5951	8743	8170
54726	NM_001102653,NM_017493	OTUD4	OTU deubiquitinase 4	-1.116077901	1.115988761	15.208982	13.758705	16.309611	6.6873789	6.53056071	6.84424993	4007	4797	5500
83933	NM_001159286,NM_032019	HDAC10	histone deacetylase 10	1.129319475	1.115977077	13.568853	15.359101	14.252629	5.19711926	5.36807488	5.35134557	1401	2114	1923
79576	NM_024528	NKAP	NFKB activating protein	-1.222804415	1.115894131	17.265362	14.143755	18.117231	4.79015949	4.51150549	4.94294958	1047	1144	1437
389856	NM_001145073	USP27X	ubiquitin specific peptidase 27, X	1.437250659	1.115697887	0.490079	0.707343	0.517087	1.2010231	1.52015496	1.29257653	51	98	70
285671	NM_001113561,NM_001323291	RNF180	ring finger protein 180	-4.230024687	1.115697887	0.331298	0.087913	0.292526	1.2010231	0.38406669	1.29257653	51	16	70
8639	NM_001277731,NM_001277732	AOC3	amine oxidase, copper containing	1.583839141	1.115614508	1.2544	2.074463	1.252959	2.48150547	3.04669644	2.61239943	180	381	247
65125	NM_001184985,NM_014823,NM	WNK1	WNK lysine deficient protein kina	-1.046549999	1.115480757	14.950096	13.623938	14.911461	7.1593717	7.0941989	7.31599513	5573	7115	7646
220729	NR_003266	LOC220729	succinate dehydrogenase comple	1.227680212	1.115247522	35.569603	43.731369	37.283791	5.75230681	6.04328303	5.90691023	2077	3407	2849
148156	NM_001304350,NM_144693	ZNF558	zinc finger protein 558	1.116078387	1.11522907	11.632252	12.994218	12.252972	5.32912486	5.48383604	5.48276272	1539	2295	2111
23432	NM_001267609,NM_001267610	GPR161	G protein-coupled receptor 161	-1.37902883	1.115077102	0.899333	0.652969	0.962328	3.05929974	2.65962865	3.19852188	288	279	395
150864	NM_173511	FAM117B	family with sequence similarity 1	1.19210021	1.115010539	1.899798	2.270209	1.992748	3.54817338	3.78172178	3.6924898	420	669	576
6717	NM_001256891,NM_001256892	SRI	sorcin	-1.491422847	1.1149276	38.054659	25.592005	38.010594	5.93458154	5.36940611	6.08910502	2362	2116	3239
131408	NM_001171093,NM_144635	FAM131A	family with sequence similarity 13	-1.193167894	1.114779027	9.762029	8.391384	10.413416	4.6331688	4.38952806	4.78394543	935	1047	1282
65265	NM_023080	C8orf33	chromosome 8 open reading fran	1.155638669	1.11472132	12.01332	13.895562	12.584159	4.98259535	5.1851439	5.13458808	1202	1856	1648
25945	NM_001243286,NM_001243288	NECTIN3	nectin cell adhesion molecule 3	-1.750071196	1.114667473	1.470869	0.844404	1.555551	3.0370876	2.35549733	3.17555833	283	216	388
55051	NM_017970	NRDE2	NRDE-2, necessary for RNA inte	-1.169083636	1.114666847	5.886529	5.041704	6.16788	4.58498718	4.36970972	4.7354205	903	1032	1238
91661	NM_001040185,NM_001350495	ZNF765	zinc finger protein 765	-1.347336814	1.114483163	2.02841	1.815919	2.749195	3.3316643	2.95035633	3.47328584	356	353	488
54790	NM_001127208,NM_017628	TET2	tet methylcytosine dioxygenase 2	1.173996566	1.114345435	2.759882	3.209895	2.886158	4.75384679	4.97734988	4.90456173	1020	1600	1398
23116	NM_001308120,NM_015091,NR	TOGARAM1	TOG array regulator of axonemal	1.231518093	1.114163937	3.156115	3.841909	3.306238	4.34028863	4.62731136	4.48895469	756	1244	1036
101735302	NR_103720	STAG3L5P	stromal antigen 3-like 5 pseudog	-1.265467165	1.114062463	3.872436	3.063526	4.039524	1.90722898	1.66595383	2.02324736	114	148	148
51702	NM_016233	PADI3	peptidyl arginine deiminase 3	1.225685545	1.113910729	9.529113	11.695235	9.978086	4.93533846	5.22024304	5.08615607	1162	1903	1592
81627	NM_001202423,NM_030934	TRMT1L	tRNA methyltransferase 1 like	-2.116128245	1.11376737	9.69342	4.583559	10.142662	5.41258913	4.36837876	5.56458305	1633	1031	2237
1390	NM_001267562,NM_001267563	CREM	cAMP responsive element modul	1.049151213	1.11371015	3.385687	3.459407	3.427781	2.71768687	2.77662633	2.85055786	219	307	300
441054	NM_001114357,NM_001346007	C4orf47	chromosome 4 open reading fran	4.117891549	1.11370872	0.758663	3.081098	0.709118	0.7550755	1.94127715	0.82068496	27	149	37
26157	NM_015660	GIMAP2	GTPase, IMAP family member 2	-1.619244129	1.11339273	6.513645	4.024845	6.822871	3.34619087	2.73592201	3.48667429	360	297	493

83540	NM_031423,NM_145697	NUF2	NUF2, NDC80 kinetochore comp	-1.219468453	1.113286889	47.248621	38.056323	48.297853	6.47371098	6.19100706	6.62688834	3450	3780	4724
728407	NR_029388	PARGP1	poly(ADP-ribose) glycohydrolase	-1.085522988	1.113156728	2.338548	2.155075	2.457112	2.10810423	2.01797632	2.22843599	130	160	178
57590	NM_020830	WDFY1	WD repeat and FYVE domain co	1.011771965	1.113148949	13.325111	13.495859	13.939559	5.94296841	5.95958045	6.09523617	2376	3212	3253
93663	NM_033515	ARHGAP18	Rho GTPase activating protein 1	-1.805947098	1.113114536	13.390293	7.42182	14.001668	5.54283855	4.71474432	5.69430137	1791	1325	2452
80173	NM_001099222,NM_001099223	IFT74	intraflagellar transport 74	1.282958386	1.11307522	2.396398	2.611476	2.3248	3.54817338	3.88026307	3.69017701	420	720	575
51307	NM_001135647,NM_001350194	FAM53C	family with sequence similarity 5	1.531691999	1.112920018	14.703154	22.548794	15.37323	5.99805187	6.60534266	6.15011624	2470	5055	3381
8612	NM_003712,NM_177526,NM_17	PLPP2	phospholipid phosphatase 2	1.117411253	1.112564599	116.559259	130.361979	121.879825	7.23083465	7.38998812	7.38375446	5858	8746	8016
23168	NM_015138	RTF1	RTF1 homolog, Paf1/RNA polym	1.072628178	1.112551477	11.497973	12.345921	12.021964	5.83831485	5.9377612	5.98964105	2207	3163	3020
55588	NM_001317770,NM_017592,NR	MED29	mediator complex subunit 29	-1.006398559	1.112538003	12.115127	12.045638	12.662217	5.46427804	5.45528479	5.61483275	1694	2249	2318
51175	NM_016262	TUBE1	tubulin epsilon 1	-1.166104397	1.11250913	7.256465	6.233479	7.591331	4.10857187	3.90066256	4.25393069	638	731	873
292	NM_001152	SLC25A5	solute carrier family 25 member 5	1.088019229	1.112419421	245.436783	267.339111	256.568787	8.33916542	8.46051002	8.49241727	12675	18426	17342
57524	NM_020764	CASKIN1	CASK interacting protein 1	1.312456269	1.112374947	0.257521	0.343934	0.272685	1.29387258	1.5392062	1.38699077	57	100	78
644192	NR_102743,NR_102744,NR_12	NR2F2-AS1	NR2F2 antisense RNA 1	2.123964196	1.11226476	0.850025	2.283071	1.430079	0.97665845	1.61299082	1.05442063	38	108	52
162681	NM_001288980,NM_001288981	C1orf54	chromosome 1 open reading fra	-1.343635133	1.112168546	2.431224	2.101456	2.90707	3.85794988	3.46550967	4.00128413	530	527	725
105372480	NR_144444	LOC105372480	uncharacterized LOC105372480	-1.123898843	1.112073738	3.943922	3.511239	4.117048	1.88750088	1.76638114	2.0010274	106	126	145
51043	NM_001252406,NM_001256455	ZBTB7B	zinc finger and BTB domain cont	1.131147228	1.111958286	10.302415	11.725534	10.840325	5.28927297	5.46278758	5.43866688	1496	2261	2046
5565	NM_005399,NR_103870,NR_10	PRKAB2	protein kinase AMP-activated no	1.288267733	1.111827439	7.010826	9.041225	7.49225	5.25888453	5.6158843	5.4080336	1464	2520	2002
9882	NM_001286658,NM_001286659	TBC1D4	TBC1 domain family member 4	-1.367988657	1.111686897	3.311808	2.42221	3.564962	4.44184742	4.01394871	4.58793254	814	795	1113
7175	NM_003292	TPR	translocated promoter region, nu	-1.163981103	1.111673127	40.404343	34.751522	42.209915	8.58058789	8.36213639	8.73294301	14991	17208	20497
1073	NM_001243645,NM_021914,NM	CFL2	cofilin 2	-1.342768357	1.111596646	14.563837	10.972499	15.337238	5.55851796	5.14373402	5.70808361	1811	1802	2476
84740	NR_026892	AFAP1-AS1	AFAP1 antisense RNA 1	-1.040498206	1.111575323	13.767157	13.247407	14.381598	6.52488929	6.46824743	6.67592604	3576	4592	4889
1767	NM_001369	DNAH5	dynein axonemal heavy chain 5	2.197524996	1.111495377	0.213392	0.472081	0.223452	2.09095564	3.02995795	2.20918158	128	376	175
79230	NM_001044387,NM_001044388	ZNF557	zinc finger protein 557	1.485903084	1.111446771	1.506343	2.244682	1.57601	3.29469475	3.81727465	3.43235848	346	687	473
5828	NM_000318,NM_001079867,NM	PEX2	peroxisomal biogenesis factor 2	-1.049385551	1.111420152	7.502537	7.151313	7.802321	5.03509348	4.9677141	5.18309257	1248	1589	1706
81554	NM_001281441,NM_030798,NM	RCC1L	RCC1 like	-1.368989642	1.111327387	12.217901	8.913902	12.734954	4.88772286	4.45243375	5.03513062	1123	1096	1535
8844	NM_014238	KSR1	kinase suppressor of ras 1	-1.062980524	1.111303727	0.632099	0.595735	0.663117	1.91699278	1.85267538	2.03057861	109	137	149
10572	NM_006427,NM_021709	SIVA1	SIVA1 apoptosis inducing factor	1.226786881	1.111200618	75.496414	92.669333	78.85905	5.84472325	6.13497237	5.99433536	2217	3634	3030
57721	NM_020961	METTL14	methyltransferase like 14	-1.018065741	1.11112202	10.460954	10.290622	10.924093	5.1981206	5.17299774	5.34621347	1402	1840	1916
3550	NM_006083	IK	IK cytokine, down-regulator of HL	1.031400526	1.111112064	73.008919	75.392441	76.234413	7.11446546	7.15875401	7.26543125	5401	7443	7381
93134	NM_001330365,NM_152289	ZNF561	zinc finger protein 561	1.039843622	1.111080528	6.064037	6.313373	6.338333	4.79810635	4.85249002	4.94489092	1053	1463	1439
253512	NM_001010875,NM_001286806	SLC25A30	solute carrier family 25 member 3	-1.365322253	1.11088235	1.615153	1.16813	1.686256	2.78853894	2.41343275	2.91931156	232	227	317
9747	NM_001206938,NM_001206941	TCAF1	TRPM8 channel associated factc	-1.489713958	1.110803213	13.417622	9.041477	14.016403	6.23553875	5.669824	6.38523632	2919	2618	3988
54862	NM_017721	CC2D1A	coiled-coil and C2 domain contai	1.122520951	1.110772068	21.288944	23.930748	22.227791	6.25683881	6.42152616	6.40652436	2963	4444	4048
7337	NM_000462,NM_130838,NM_13	UBE3A	ubiquitin protein ligase E3A	-1.085366088	1.110655772	20.158401	18.580029	20.556326	6.61986158	6.50292811	6.76981528	3822	4705	5221
6276	NM_002962	S100A5	S100 calcium binding protein A5	1.318679586	1.110433058	6.032606	7.972674	6.288875	2.37218925	2.70251092	2.49540988	164	289	224
157313	NM_001317906,NM_001317907	CDCA2	cell division cycle associated 2	1.048238986	1.110413223	9.354243	9.90487	9.830909	5.17389443	5.24002681	5.32102311	1378	1930	1882
2618	NM_000819,NM_001136005,NM	GART	phosphoribosylglycinamide form	-1.273451811	1.110235779	50.251946	39.557826	53.85037	7.24930837	6.90314758	7.39923534	5934	6226	8103
83719	NM_001145524,NM_031477	YPEL3	yippee like 3	-1.029824594	1.110080943	22.236811	21.157948	23.942733	5.07161207	5.03048889	5.21802858	1281	1662	1749
79658	NM_024605	ARHGAP10	Rho GTPase activating protein 1	1.13738974	1.110079207	4.986056	5.68258	5.202935	3.98637962	4.16109929	4.1280136	583	886	796
25850	NM_001242472,NM_001242474	ZNF345	zinc finger protein 345	-1.427219191	1.110048108	1.558104	1.184445	1.729929	2.3142594	1.9196316	2.43591723	156	146	213
441307	NR_033963	HRAT92	heart tissue-associated transcript	-3.456357013	1.109890274	0.381657	0.111541	0.40292	1.21691895	0.46599441	1.30472178	52	20	71
55596	NM_001350935,NM_001350936	ZCCHC8	zinc finger CCHC-type containing	-1.533191916	1.109820029	12.816046	8.364552	13.849886	5.81956788	5.21654942	5.96737086	2178	1898	2973
221061	NM_001010924	FAM171A1	family with sequence similarity 17	1.364669009	1.109784159	4.462334	6.098587	4.651462	4.18329013	4.61052206	4.32571472	674	1229	920
728190	NR_024397	NUTM2A-AS1	NUTM2A antisense RNA 1	-1.215047711	1.109698397	6.694094	5.511435	6.999055	2.67229041	2.43901707	2.79997431	211	232	288
10897	NM_001300861,NM_020470	YIF1A	Yip1 interacting factor homolog A	1.01365925	1.109654814	49.111804	50.342537	50.396207	5.7073003	5.72650194	5.85468784	2012	2725	2746
124446	NM_001083613,NM_194280	TMEM219	transmembrane protein 219	-1.070582969	1.109378494	39.869351	37.264118	41.56438	5.31165148	5.21580956	5.45782748	1520	1897	2074
1355	NM_001320974,NM_001320975	COX15	COX15, cytochrome c oxidase as	-1.324924869	1.10919747	9.344494	6.936555	9.197545	5.53334846	5.13749687	5.67980348	1779	1794	2427
84924	NM_001145343,NM_001145344	ZNF566	zinc finger protein 566	-1.494924849	1.109179761	2.200972	1.471608	2.289593	3.61567874	3.09255667	3.75357377	442	395	603
5631	NM_001204402,NM_002764	PRPS1	phosphoribosyl pyrophosphate sy	1.433188373	1.109104345	13.192305	18.871609	13.719701	4.83591088	5.33983141	4.9803424	1082	2072	1476
113655	NM_138431,NR_130120	MFSD3	major facilitator superfamily dom	1.233708333	1.109033148	10.681876	13.170133	10.923171	4.11282598	4.39998757	4.25393069	640	1055	873
90627	NM_001243466,NM_001243474	STARD13	StAR related lipid transfer domai	-1.212257209	1.108447303	1.461758	1.146766	1.597854	3.24517298	2.99933041	3.37879258	333	367	454
55659	NM_017879	ZNF416	zinc finger protein 416	1.330487755	1.10842362	5.908487	7.874791	6.152996	3.94879876	4.33742297	4.08816658	567	1008	773
5585	NM_002741,NM_213560	PKN1	protein kinase N1	-1.35630742	1.108351112	60.46898	44.659294	63.100421	7.51060032	7.07372461	7.65824389	7120	7014	9706
55681	NM_001317784,NM_001330253	SCYL2	SCY1 like pseudokinase 2	-1.064594036	1.108248748	9.807559	9.231502	10.285511	5.78732769	5.69870608	5.93306293	2129	2672	2902
23099	NM_001135776,NM_014007	ZBTB43	zinc finger and BTB domain cont	-1.845864909	1.108202082	7.948126	4.258554	8.238091	5.53810131	4.67976064	5.68329628	1785	1292	2433
84265	NM_001330685,NM_032305	POLR3GL	RNA polymerase III subunit G like	-1.340152478	1.108121259	14.471303	10.803248	15.091644	4.14017606	3.74527057	4.2803093	653	651	890
115330	NM_001303473,NM_001303474	GPR146	G protein-coupled receptor 146	-1.228243141	1.107631023	0.977756	0.848508	1.012636	1.602974	1.41062362	1.70368302	80	87	109
164832	NM_198461	LONRF2	LON peptidase N-terminal domai	1.468176332	1.107631023	0.149117	0.221013	0.156437	1.602974	1.99745948	1.70368302	80	157	109
101927763	NR_133006	OLFM5P	olfactomedin family member 5, p	-1.12914463	1.107609037	0.241514	0.216692	0.242788	0.35634914	0.31941552	0.39027104	11	13	15
339456	NM_178545	TMEM52	transmembrane protein 52	-1.316388626	1.107459963	1.877441	1.420059	1.956106	1.46336426	1.22307764	1.5590879	69	70	94
200844	NM_001351530,NM_001351531	C3orf67	chromosome 3 open reading fran	1.131173692	1.107362227	1.738178	1.916364	1.702858	2.44147625	2.58250516	2.56269567	174	263	237
147991	NM_001172774,NM_207325	DPY19L3	dpy-19 like 3 (C. elegans)	1.005994953	1.107077189	4.955924	5.004398	5.167575	4.91111656	4.91945464	5.05324052	1142	1535	1555
8437	NM_001193520,NM_001193521	RASAL1	RAS protein activator like 1	-1.252021906	1.107037508	6.033818	4.819055	6.2918	4.49984402	4.19152238	4.64038721	849	906	1156
55184	NM_001099407,NM_001351683	DZANK1	double zinc ribbon and ankyrin re	2.121142392	1.107002363	1.644154	3.525393	1.735453	2.74535098	3.71207778	2.87112187	224	635	305
2055	NM_018941	CLN8	CLN8, transmembrane ER and E	-1.07429652	1.107000662	3.187095	2.970933	3.317755	4.53988763	4.44108339	4.68055367	874	1087	1190
126374	NM_001080436	WTIP	WT1 interacting protein	-2.065993873	1.106907879	1.533392	0.742884	1.599975	2.10810423	1.37924953	2.22204636	130	84	177
54972	NM_017870,NM_178031	TMEM132A	transmembrane protein 132A	1.382606584	1.106729005	14.212139	19.685785	14.784671	5.63593514	6.09529677	5.77944455	1913	3534	2604
346157	NM_001076781,NM_001322288	ZNF391	zinc finger protein 391	-1.349996434	1.106708229	1.222013	0.858898	1.269589	2.55212659	2.20257223	2.67455554	191	189	260
3491	NM_001554	CYR61	cysteine rich angiogenic inducer	2.034511157	1.106538515	57.649742	117.418304	59.945972	7.01909594	8.03812673	7.16408135	5053	13736	6877
3064	NM_002111	HTT	huntingtin	-1.027220461	1.106445034	10.039184	9.782814	10.438313	7.05214523	7.01369446	7.19703378	5171	6726	7037
54941	NM_017831	RNF125	ring finger protein 125	-1.613062069	1.106184799	0.540657	0.334993	0.560671	2.03825186	1.5486383	2.14982678	122	101	166
130888	NM_174899	FBXO36	F-box protein 36	1.007504051	1.106161076	1.926152	1.94427	2.007298	2.65489157	2.66397469	2.77836293	208	280	283
23063	NM_001318328,NM_015045	WAPL	WAPL cohesin release factor	-1.396654841	1.106054972	10.441334	7.483545	10.849883	6.02313036	5.5499035	6.16643088	2514	2405	3420
26073	NM_001290145,NM_015584	POLDIP2	DNA polymerase delta interacting	1.250693362	1.105471664	29.577172	37.062555	30.715453	6.31615031	6.63525454	6.45908879	3089	5162	4200
4669	NM_000263	NAGLU	N-acetyl-alpha-glucosaminidase	1.021230925	1.105346963	16.995955	17.378994	17.655001	5.55617888	5.58585016	5.69775929	1808	2467	2458
442247	NM_001013734	RFPL4B	ret finger protein like 4B	-1.112897211	1.10527712	0.343955	0.300408	0.352893	0.71085839	0.65251278	0.76902392	25	30	34
4774	NM_001134673,NM_001145511	NFIA	nuclear factor I A	1.242829925	1.105268393	1.372175	1.719209	1.432443	3.7744826	4.06742162	3.90883222	498	827	677
7106	NM_001025234,NM_001025235	TSPAN4	tetraspanin 4	-1.10169138	1.105251303	24.722942	22.467551	25.81721	5.12418641	4.98865526	5.26462754	1330	1613	1808
2519	NM_032020	FUCA2	fucosidase, alpha-L- 2, plasma	1.41559784	1.105214948	29.598255	41.949509	30.741013	6.21787444	6.71359985	6.36036033	2883	5453	3919
79738	NM_024685	BBS10	Bardet-Biedl syndrome 10	1.049016665	1.105201237	4.486447	4.714143	4.662859	4.05872616	4.12372395	4.19479474	615	862	836
140775	NM_144775	SMCR8	Smith-Magenis syndrome chrom	1.273268356	1.105169062	2.179779	2.780954	2.264079	4.22121804	4.55310322	4.35812668	693	1179	942
55041	NM_001100623,NM_001267062	PLEKHB2	pleckstrin homology domain cont	-1.193690775	1.105114153	33.361064	28.006602	34.6701	7.13996212	6.88650747	7.28318703	5498	6154	7473
3590	NM_001142784,NR_052010	IL11RA	interleukin 11 receptor subunit al	1.373147035	1.105060556	3.066327	4.166077	3.213018	2.64317467	3.03667667	2.76523898	206	378	280
751071	NM_001043229	METTL12	methyltransferase like 12	1.227519829	1.10505704	1.206085	1.481826	1.249361	1.39514558	1.58576189	1.4863075	64	105	87
115704	NM_001159944,NM_145245	EVI5L	ecotropic viral integration site 5 li	1.508349153	1.105002564	4.045456	6.026238	4.139397	3.98405928	4.54605682	4.11944434	582	1173	791
85450	NM_001272012,NM_001272013	ITPRIP	inositol 1,4,5-trisphosphate recep	-3.506625209	1.104696951	2.851119	0.811166	2.962602	4.27725131	2.64211237	4.41385336	722	275	981
84888	NM_032802	SPPL2A	signal peptide peptidase like 2A	-1.061266407	1.104638833	19.260134	18.171633	19.993948	5.26940291	5.18589965	5.40944022	1475	1857	2004
116412	NM_138466,NR_049780	ZNF837	zinc finger protein 837	-1.461250138	1.104540267	2.587412	1.788807	2.694105	2.59533164	2.15396266	2.71606984	198	181	269
8078	NM_001098536,NM_003481	USP5	ubiquitin specific peptidase 5	1.036665912	1.104441395	21.971035	22.755368	22.798263	6.08181474	6.13301429	6.22312179	2620	3629	3559
5442	NM_005035	POLRMT	RNA polymerase mitochondrial	-1.089157038	1.104434301	16.577408	15.234573	17.202745	5.96195729	5.84080171	6.10308098	2408	2954	3271
79814	NM_024758	AGMAT	agmatinase	-1.07286781	1.104411551	0.875453	0.817652	0.906253	1.88750088	1.81408935	1.99354404	106	132	144
7706	NM_005082	TRIM25	tripartite motif containing 25	-1.00580982	1.104332385	32.340275	32.188511	33.560757	7.50676645	7.49845487	7.64919343	7101	9433	9645
23039	NM_015024	XPO7	exportin 7	-1.075440044	1.104254973	15.375515	14.314628	15.957021	6.20597692	6.10251937	6.34720926	2859	3552	3883
6573	NM_001205206,NM_001205207	SLC19A1	solute carrier family 19 member 1	1.622482509	1.104046101	6.067081	10.577496	6.452031	4.1064401	4.77223569	4.24134834	637	1381	865
1537	NM_001916	CYC1	cytochrome c1	1.029679124	1.103971544	119.199471	122.880272	123.663681	7.17216785	7.21407511	7.31393113	5623	7736	7635
89849	NM_001318766,NM_033388	ATG16L2	autophagy related 16 like 2	-1.07040371	1.103928963	13.461061	12.697131	14.057379	4.89885139	4.80408772	5.03695187	1132	1413	1537
123228	NM_001166340,NM_001172109	SENP8	SUMO/sentrin peptidase family n	-1.311646632	1.103852208	1.67375	1.376025	1.866135	1.91699278	1.63971536	2.02324736	109	111	148
4795	NM_001144961,NM_001144962	NFKBIL1	NFKB inhibitor like 1	-1.054287449	1.103688062	11.040891	10.453475	11.403842	4.07189633	4.00026496	4.20617012	621	787	843
64781	NM_022766	CERK	ceramide kinase	1.442844648	1.103586558	3.832813	5.538813	3.976594	4.13809052	4.64170569	4.27260082	652	1257	885

8899	NM_003913,NR_146783,NR_14	PRPF4B	pre-mRNA processing factor 4B	1.024778784	1.103498917	17.094267	16.589324	16.861383	6.62471065	6.65967059	6.76542793	3835	5251	5205
5965	NM_002907,NM_032941	RECQL	RecQ like helicase	-1.035932359	1.103447536	15.655955	14.634288	15.830049	5.82151855	5.77150262	5.96114983	2181	2813	2960
261734	NM_001291593,NM_001291594	NPHP4	nephrocystin 4	1.519489955	1.103405524	2.892902	4.466465	3.008371	3.9320442	4.50304006	4.06514778	560	1137	760
1838	NM_001256303,NM_001256304	DTNB	dystrobrevin beta	1.716046563	1.103382653	3.000777	4.878954	2.920061	2.95890107	3.65863507	3.08339379	266	610	361
130827	NM_001321343,NM_001321344	TMEM182	transmembrane protein 182	1.008600136	1.10337104	1.621628	1.636311	1.677509	2.66651408	2.67693481	2.78704637	210	283	285
8563	NM_001002877,NM_001002878	THOC5	THO complex 5	1.176602595	1.103272706	8.67022	10.16795	8.943447	4.47196531	4.69682839	4.60767403	832	1308	1129
642236	NR_033907	FRG1JP	FSHD region gene 1 family mem	-1.647779888	1.103150884	0.731166	0.450972	0.765676	1.04948198	0.72085408	1.12461302	42	34	57
57472	NM_001303241	CNOT6	CCR4-NOT transcription comple	-1.119467333	1.103101252	14.161982	12.665086	14.680822	6.46583364	6.30496449	6.60587691	3431	4095	4655
6300	NM_001303252,NM_002969	MAPK12	mitogen-activated protein kinase	1.391759903	1.103080065	14.292366	19.927496	14.804229	4.7808325	5.2429348	4.91747151	1040	1934	1411
729438	NM_001145064	CASTOR2	cytosolic arginine sensor for mT	-1.104590658	1.102956767	0.888378	0.805142	0.922328	2.98698269	2.86232771	3.11132089	272	329	369
79751	NM_001191060,NM_001191061	SLC25A22	solute carrier family 25 member 2	1.339382481	1.10289078	14.896648	19.785566	15.096804	5.33003867	5.74251508	5.46798836	1540	2756	2089
10728	NM_001282601,NM_001282602	PTGES3	prostaglandin E synthase 3	1.008947237	1.102806454	217.242801	220.225004	226.689828	8.75980146	8.77262276	8.90067166	16979	22889	23030
145173	NM_194318	B3GLCT	beta 3-glucosyltransferase	1.152714143	1.102725602	2.154935	2.490435	2.238852	3.30216484	3.48774509	3.42958826	348	536	472
81876	NM_030981	RAB1B	RAB1B, member RAS oncogene	1.14646348	1.102679725	63.698811	73.115562	66.098751	6.93390241	7.12958981	7.07382021	4761	7293	6457
148418	NM_001010971,NM_001134663	SAMD13	sterile alpha motif domain contai	2.713343111	1.102604577	0.233651	0.685981	0.242359	0.43999062	0.97983233	0.47868902	14	51	19
333929	NM_178310	SNAI3	snail family transcriptional repres	-1.434126113	1.102604577	0.209274	0.138107	0.217775	0.43999062	0.31941552	0.47868902	14	13	19
29901	NM_013299	SAC3D1	SAC3 domain containing 1	1.338681236	1.102485104	11.524933	15.452095	11.949615	4.21727226	4.61838139	4.35082401	691	1236	937
27230	NM_014445	SERP1	stress associated endoplasmic re	-1.056211557	1.102338257	45.870098	43.477554	47.518764	7.15654125	7.07820918	7.29617184	5562	7036	7541
7318	NM_003335	UBA7	ubiquitin like modifier activating e	1.026187834	1.10233756	16.511545	16.960558	17.098881	5.76181945	5.79843744	5.89992208	2091	2867	2835
3956	NM_002305	LGALS1	galectin 1	1.047973121	1.102313081	1147.634644	1204.039917	1188.812744	9.28657452	9.35407076	9.42689473	24479	34276	33188
9842	NM_014798,NR_027774,NR_02	PLEKHM1	pleckstrin homology and RUN do	-1.455909087	1.102084323	15.262658	10.395235	15.661441	6.29243623	5.75886043	6.43096978	3038	2788	4118
23389	NM_015335	MED13L	mediator complex subunit 13 like	-1.086166266	1.10206271	5.963424	5.496371	6.176216	5.79330362	5.6762924	5.9311056	2138	2630	2898
25813	NM_015380	SAMM50	SAMM50 sorting and assembly n	1.446846888	1.101924788	17.397804	25.201181	18.009735	4.94252643	5.46091554	5.07821843	1168	2258	1583
533	NM_001039457,NM_001294333	ATP6V0B	ATPase H+ transporting V0 subu	-1.077317807	1.101814668	73.738693	62.24757	65.884909	6.63509978	6.52877463	6.77364331	3863	4791	5235
25930	NM_001304482,NM_015466	PTPN23	protein tyrosine phosphatase, no	-1.024133049	1.101734079	9.732584	9.5287	10.103854	5.67241926	5.63869677	5.80958828	1963	2561	2660
7760	NM_001134655,NM_004220,NR	ZNF213	zinc finger protein 213	1.061316578	1.101694184	3.766963	3.972769	3.913632	3.71416279	3.79367035	3.84373298	476	675	645
6909	NM_005994	TBX2	T-box 2	-1.361080602	1.101691404	0.823278	0.60594	0.856687	1.89739865	1.58576189	2.0010274	107	105	145
55643	NM_017797	BTBD2	BTB domain containing 2	1.288883692	1.101586807	27.508249	35.496933	28.478161	6.15222318	6.51380399	6.28993987	2753	4741	3730
23164	NM_015134,NM_201274	MPRIP	myosin phosphatase Rho interac	1.076198265	1.101583838	63.475046	68.389547	65.863053	9.4119472	9.51774154	9.55133174	26705	38400	36182
637	NM_001196,NM_001244567,NM	BID	BH3 interacting domain death ag	1.427567458	1.101547514	25.832294	36.955444	26.80832	5.79396609	6.29973728	5.9311056	2139	4080	2898
55359	NM_018423	STYK1	serine/threonine/tyrosine kinase 1	-1.430015672	1.101339135	9.032274	6.325498	9.356369	4.77413325	4.28053774	4.90854629	1035	967	1402
51028	NM_001282168,NM_001282169	VPS36	vacuolar protein sorting 36 homo	-1.31888018	1.101322705	7.515784	5.781452	7.801828	5.09545415	4.70949799	5.23081505	1303	1320	1765
55325	NM_018359,NR_028085,NR_14	UFSP2	UFM1 specific peptidase 2	1.182459965	1.101278286	5.663946	6.738936	5.784227	3.82979934	4.0558926	3.95964434	519	820	703
9101	NM_001128610,NM_001283049	USP8	ubiquitin specific peptidase 8	-1.102112422	1.101273994	9.884028	8.999452	10.34472	5.77462994	5.63703974	5.91138481	2110	2558	2858
27293	NM_001009568,NM_001304579	SMPDL3B	sphingomyelin phosphodiesteras	-1.115621933	1.101192337	10.669296	9.624338	11.103365	4.34572074	4.19603101	4.47827086	759	909	1028
101929188	NR_134628	LOC101929188	uncharacterized LOC101929188	1.374859612	1.101186896	0.371683	0.517204	0.387898	0.83964067	1.06116576	0.90287695	31	57	42
56100	NM_018926,NM_032100	PCDHGB6	protocadherin gamma subfamily	-1.4261675	1.101186896	0.321438	0.228746	0.335464	0.83964067	0.63490936	0.90287695	31	29	42
23429	NM_012234	RYBP	RING1 and YY1 binding protein	1.313976012	1.101085226	6.73412	8.860205	6.970753	4.91599358	5.29849962	5.05053848	1146	2012	1552
339263	NM_001113434	C17orf51	chromosome 17 open reading fra	1.586094449	1.100871277	0.689682	1.095942	0.712973	2.66071453	3.23956766	2.77836293	209	443	283
29068	NM_001301098,NM_001301099	ZBTB44	zinc finger and BTB domain cont	-1.814466319	1.100825442	6.663868	3.711046	6.948031	5.84344384	5.00416403	5.979733	2215	1631	2999
6829	NM_001111020,NM_001130824	SUPT5H	SPT5 homolog, DSIF elongation	1.021218777	1.100707613	47.867214	48.891244	49.691121	7.45304323	7.48316458	7.59072316	6840	9333	9260
65059	NM_001329728,NM_203365,NM	RAPH1	Ras association (RalGDS/AF-6)	1.108018071	1.100520934	4.640687	5.064262	4.841632	5.43824136	5.58298421	5.57339425	1663	2462	2251
138716	NM_148178,NM_148179	RPP25L	ribonuclease P/MRP subunit p25	1.347521877	1.100409509	9.085974	12.638314	9.315796	3.23740108	3.62781914	3.36145532	331	596	448
64755	NM_022744	C16orf58	chromosome 16 open reading fra	1.08204672	1.100359704	27.681479	29.987648	28.627569	6.26355069	6.37589278	6.39981707	2977	4304	4029
55930	NM_018728	MY05C	myosin VC	-2.097767922	1.100242972	14.44101	6.896288	14.939094	6.63139796	5.57838681	6.76789746	3853	2454	5214
1029	NM_000077,NM_001195132,NM	CDKN2A	cyclin dependent kinase inhibitor	1.327006693	1.100233129	90.47573	119.172309	93.615444	6.69307245	7.09781747	6.82961453	4023	7133	5444
219771	NM_001282852,NM_001282853	CCNY	cyclin Y	1.183529148	1.100225086	9.759495	11.388444	9.957273	5.49148768	5.72961516	5.62637054	1727	2731	2337
6877	NM_006951,NM_139052	TAF5	TATA-box binding protein associ	-1.681016814	1.100196403	3.617952	2.190239	3.750372	3.64828273	2.97505117	3.77555686	453	360	613
5997	NM_002923	RGS2	regulator of G protein signaling 2	-2.382229599	1.100108707	7.177994	3.016795	7.432087	3.38540081	2.31185141	3.51046477	371	208	502
112840	NM_001008726,NM_001258272	WDR89	WD repeat domain 89	-1.09975571	1.100102623	6.855886	6.326943	7.479466	4.59870169	4.46742999	4.73092712	912	1108	1234
752	NM_005892	FMNL1	formin like 1	-2.864998317	1.099934848	5.179994	1.807263	5.354289	4.3919615	2.99588686	4.52314065	785	366	1062
51529	NM_001002244,NM_001002245	ANAPC11	anaphase promoting complex sui	-1.128626481	1.099849767	114.261006	100.48479	116.620664	6.66654934	6.49380183	6.80256961	3949	4675	5342
4782	NM_001245002,NM_001245004	NFIC	nuclear factor I C	1.062912641	1.099755551	8.19058	8.766738	8.436103	6.00779304	6.09449202	6.14294659	2487	3532	3364
55176	NM_001142627,NM_001142628	SEC61A2	Sec61 translocon alpha 2 subuni	1.372779213	1.09973161	9.319052	12.849618	9.653844	4.57884974	5.01950785	4.71053193	899	1649	1216
387036	NR_003504	GUSBP2	glucuronidase, beta pseudogene	1.210041678	1.099681358	0.726821	0.892027	0.751784	0.89996265	1.03456085	0.96541723	34	55	46
51100	NM_001206651,NM_001206652	SH3GLB1	SH3 domain containing GRB2 lik	-1.023554981	1.099672955	10.604368	10.344843	10.957191	6.06379966	6.03071759	6.19892364	2587	3377	3499
9330	NM_001206774,NM_012086	GTF3C3	general transcription factor IIIC s	1.217842021	1.09963189	16.038354	18.896769	16.162266	6.04833571	6.32876871	6.18338553	2559	4164	3461
151987	NM_001318025,NM_001318026	PPP4R2	protein phosphatase 4 regulatory	1.205780927	1.099596951	11.414239	13.411268	11.515494	5.77530104	6.04077869	5.90989482	2111	3401	2855
10943	NM_001193270,NM_001282174	MSL3	male-specific lethal 3 homolog (D	1.004021681	1.099539372	7.387538	7.220784	7.034541	4.30168014	4.30717831	4.43196063	735	986	994
2547	NM_001288976,NM_001288977	XRCC6	X-ray repair cross complementing	1.107720028	1.099535243	127.52859	141.545592	131.889248	8.13575341	8.28284916	8.27218416	11003	16285	14880
114134	NM_052885	SLC2A13	solute carrier family 2 member 1	-1.095984261	1.099501435	0.782394	0.714418	0.810492	2.66651408	2.55587612	2.72671118	210	256	284
9232	NM_001282382,NM_001282383	PTTG1	pituitary tumor-transforming 1	-1.051441829	1.099418799	185.002043	175.755563	199.922389	7.22716041	7.15528527	7.36309295	5843	7425	7901
100533111	NR_037894	ZNF670-ZNF695	ZNF670-ZNF695 readthrough (N	-1.333318851	1.099354824	0.378237	0.286772	0.40827	0.5190475	0.40498891	0.56199967	17	17	23
5862	NM_001242644,NM_002865	RAB2A	RAB2A, member RAS oncogene	-1.160783247	1.099322474	39.259038	33.87082	40.569035	7.19667331	6.98315078	7.33240167	5720	6584	7734
170082	NM_001297563,NM_001297564	TCEANC	transcription elongation factor A I	-1.606406447	1.099179825	0.561885	0.34804	0.585254	1.48977343	1.08728891	1.57922529	71	59	96
1827	NM_001285389,NM_001285391	RCAN1	regulator of calcineurin 1	-1.095885259	1.099160373	14.474687	13.245964	14.857615	5.15957233	5.03133013	5.29233867	1364	1663	1844
8706	NM_001038628,NM_001349130	B3GALNT1	beta-1,3-N-acetylgalactosaminylt	1.293957442	1.099105664	4.444842	5.721165	4.443639	4.01166006	4.36304264	4.13992569	594	1027	803
80856	NM_001305008,NM_001305009	LNPK	lunapark, ER junction formation f	1.21197149	1.099059461	2.976623	3.614172	3.071376	4.528787	4.79520018	4.65942844	867	1404	1172
23071	NM_015051	ERP44	endoplasmic reticulum protein 44	-1.001769781	1.09891693	33.467111	33.446957	34.561764	7.31747326	7.31493823	7.45274355	6223	8300	8411
339318	NM_001029997,NM_001145665	ZNF181	zinc finger protein 181	-1.04075877	1.098692517	3.929679	3.778233	4.054953	3.62166181	3.56878235	3.74691298	444	570	600
9648	NM_181453,NR_028063	GCC2	GRIP and coiled-coil domain con	-1.002557513	1.098671452	8.068456	8.055612	8.330029	5.8025506	5.79893152	5.93599396	2152	2868	2908
2023	NM_001201483,NM_001428	ENO1	enolase 1	1.670783807	1.098645356	473.240305	792.667135	482.595798	9.98636547	10.72632097	10.12196388	39785	88815	53760
139596	NM_001307944,NM_145052,NR	UPRT	uracil phosphoribosyltransferase	-1.031847853	1.098632739	4.030589	3.907075	4.145704	3.45071403	3.40966853	3.57456234	390	505	527
84668	NM_032581	FAM126A	family with sequence similarity 12	1.062652416	1.098532829	2.782123	2.961573	2.87504	4.14433812	4.22720295	4.27260082	655	930	885
80781	NM_030582,NM_130444,NM_13	COL18A1	collagen type XVIII alpha 1 chain	2.042318315	1.098526401	24.115086	49.237202	24.748433	7.00514646	8.02962666	7.13971124	5004	13655	6761
84629	NM_001080495	TNRC18	trinucleotide repeat containing 18	-1.35313347	1.09845795	17.710205	13.102991	18.280684	7.51783667	7.08430211	7.65261257	7156	7066	9668
11196	NM_007190,NR_037771	SEC23IP	SEC23 interacting protein	1.083324404	1.098395408	5.208787	5.59095	5.314731	5.19511448	5.30755587	5.32698995	1399	2025	1890
1739	NM_001098424,NM_001204386	DLG1	discs large MAGUK scaffold prot	-1.266316676	1.098370482	46.996787	37.163218	48.488089	7.8409168	7.50194883	7.9757195	8962	9456	12107
1466	NM_001300965,NM_001321	CSRP2	cysteine and glycine rich protein	1.337243588	1.098366349	2.639336	3.547061	2.736096	1.76310734	2.07130288	1.86000215	94	168	127
9374	NM_001204103,NM_005155,NM	PPT2	palmitoyl-protein thioesterase 2	1.008264957	1.098344143	3.482598	3.400058	3.555862	2.9541672	2.96451939	3.07278016	265	357	358
100128731	NM_001134693	OST4	oligosaccharyltransferase comple	1.08063266	1.098283165	154.170212	166.833466	159.147751	6.20597692	6.31639813	6.33948207	2859	4128	3862
84327	NM_001329564,NM_032367,NR	ZBED3	zinc finger BED-type containing 3	1.260032976	1.098138897	1.064285	1.277243	1.022589	1.29387258	1.50084877	1.37552141	57	96	77
23150	NM_015123	FRMD4B	FERM domain containing 4B	-1.69309227	1.097730728	3.985838	2.356676	4.114571	4.71379852	3.99164624	4.84343385	991	782	1338
2633	NM_002053	GBP1	guanylate binding protein 1	1.044134801	1.097607991	8.740865	9.142259	9.018336	4.75384679	4.81389896	4.88346032	1020	1423	1377
80311	NM_030624	KLHL15	kelch like family member 15	-1.034798693	1.097586541	1.416146	1.370619	1.460225	3.27204958	3.22787299	3.39308282	340	439	459
8220	NM_022719,NR_134304	DGCR14	DiGeorge syndrome critical regio	1.561397634	1.09705164	2.524071	3.954115	2.603938	3.83495865	4.44108339	3.95964434	521	1087	703
55142	NM_001130447,NM_001323629	HAUS2	HAUS augmin like complex subu	-1.205566925	1.09699083	6.613621	5.039937	6.610424	4.51599508	4.25915261	4.64397663	859	952	1159
113802	NM_001102592,NM_144584	HENMT1	HEN1 methyltransferase homolo	1.037153824	1.096894402	7.134561	7.077002	7.295313	3.68016614	3.72876963	3.80364308	464	643	626
89853	NM_001011703,NM_033446	MVB12B	multivesicular body subunit 12B	1.257212584	1.096395464	1.107593	1.445181	1.12663	2.44822539	2.72348335	2.5576298	175	294	236
63891	NM_022064,NR_135218	RNF123	ring finger protein 123	1.142890787	1.096314896	8.022792	9.266922	8.320321	5.14406778	5.33165924	5.27315144	1349	2060	1819
4676	NM_005969	NAP1L4	nucleosome assembly protein 1 l	1.136911451	1.09629403	37.067928	42.190933	38.188595	6.52169329	6.70492623	6.65295218	3568	5420	4811
51768	NM_016551	TM7SF3	transmembrane 7 superfamily me	-1.466486176	1.096236739	19.714113	13.458656	20.309965	6.39860581	5.85417577	6.52966751	3273	2982	4413
29927	NM_013336	SEC61A1	Sec61 translocon alpha 1 subuni	1.649998871	1.096173661	65.223915	107.74752	67.189667	7.85749005	8.57750915	7.98942211	9066	19987	12223
152137	NM_174908,NM_178335	CDC50	coiled-coil domain containing 50	-1.169990796	1.096103907	21.505772	18.407487	21.882941	7.50494685	7.27979552	7.63663685	7092	8099	9561
8859	NM_004197,NM_004197_dup1,N	STK19	serine/threonine kinase 19	1.2518917	1.096100631	9.977987	11.170789	8.600864	3.42357323	3.72044785	3.54415067	382	639	515
84811	NM_001159736,NM_032725	BUD13	BUD13 homolog	-1.188094468	1.096083323	13.891521	11.818524	14.438113	4.94729859	4.7073941	5.07556282	1172	1318	1580
55599	NM_017619	RNPC3	RNA binding region (RNP1, RRM	1.323583489	1.096019566	7.843233	10.405903	8.081943	3.94641713	4.32786827	4.0704925	566	1001	763
219738	NM_145306	C10orf35	chromosome 10 open reading fra	-2.408649876	1.095990286	10.460081	4.351547	10.782251	3.58232086	2.47408961	3.70399851	431	239	581
3838	NM_001320611,NM_002266	KPNA2	karyopherin subunit alpha 2	1.013269491	1.095914963	320.25794	323.793268	329.49859	9.36757712	9.38656652	9.49952237	25895	35058	34904

6726	NM_001130440,NM_003133	SRP9	signal recognition particle 9	-1.015622239	1.095773659	124.915223	124.326409	129.310975	7.5719483	7.54970253	7.70323717	7431	9776	10015
472	NM_000051,NM_001351834,NM	ATM	ATM serine/threonine kinase	-1.159177168	1.095606679	8.306308	5.479077	8.106794	6.24332066	6.03323945	6.37339261	2935	3383	3955
9938	NM_001007231,NM_001166276	ARHGAP25	Rho GTPase activating protein 2	1.235448372	1.095386268	0.193586	0.242638	0.20108	0.06524311	0.7861039	0.71544405	23	38	31
574432	NR_103539,NR_103540	IBA57-AS1	IBA57 antisense RNA 1 (head to	-1.024244919	1.095386268	0.995326	1.03609	1.019762	0.06524311	0.65251278	0.71544405	23	30	31
64946	NM_022909	CENPH	centromere protein H	-1.105219991	1.0953	24.516699	22.208923	25.226822	5.09437892	4.95446982	5.22203654	1302	1574	1754
256356	NM_001039547,NR_033289	GK5	glycerol kinase 5 (putative)	-1.134727823	1.095294472	5.141269	4.438294	5.348976	5.73447233	5.55576227	5.86343838	2051	2415	2763
132001	NM_001284401,NM_001321294	TAMM41	TAM41 mitochondrial translocato	-1.21950882	1.095254309	5.537372	4.53643	5.73427	3.16959281	2.91797176	3.28688662	314	344	423
8867	NM_001160302,NM_001160306	SYNJ1	synaptojanin 1	1.154669429	1.095240318	2.407373	2.846515	2.533467	4.14225859	4.33878278	4.26640425	654	1009	881
4249	NM_002410	MGAT5	mannosyl (alpha-1,6-)-glycoprote	1.689479496	1.095007893	5.962384	10.087774	6.13517	5.59394673	6.33831747	5.72230146	1857	4192	2501
55178	NM_001317947,NM_018146	MRM3	mitochondrial rRNA methyltransfe	1.22844973	1.095000121	8.863654	10.955111	9.165086	4.01166006	4.29181484	4.13483255	594	975	800
2288	NM_002014	FKBP4	FK506 binding protein 4	1.225650622	1.094914711	49.440891	60.659908	50.869244	7.50048924	7.79257349	7.6306189	7070	11578	9521
4832	NM_002513	NME3	NME/NM23 nucleoside diphosph	1.112704295	1.094858298	38.840858	43.266964	39.960625	5.29863957	5.44900251	5.4262136	1506	2239	2028
7189	NM_004620,NM_145803	TRAF6	TNF receptor associated factor 6	-1.356988077	1.094664487	2.787715	2.051552	2.86124	4.49006587	4.07233457	4.615008	843	830	1135
127700	NM_001330493,NM_145047,NM	OSCP1	organic solute carrier partner 1	1.696650151	1.094654273	2.559932	4.596219	2.440824	2.0823043	2.69827059	2.18310266	127	288	171
11186	NM_001206957,NM_007182,NM	RASSF1	Ras association domain family m	1.04931641	1.094579335	8.822745	9.153421	8.908239	4.00709644	4.07233457	4.12972136	592	830	797
388152	NR_027001	GOLGA2P7	golgin A2 pseudogene 7	1.29214934	1.094575645	4.816214	6.228215	4.95244	4.06532627	4.41553601	4.18825403	618	1067	832
5589	NM_001001329,NM_001289102	PRKCSH	protein kinase C substrate 80K-H	1.532902403	1.094566744	102.668834	158.016711	105.966765	7.71014936	8.32402467	7.83991564	8182	16758	11015
9818	NM_001008564,NM_014089	NUP58	nucleoporin 58	1.238216554	1.094524477	9.531166	11.824619	9.829237	5.36612462	5.66766141	5.49341346	1580	2614	2127
647087	NM_001130929	C7orf73	chromosome 7 open reading fran	-1.239133168	1.09451376	9.763791	7.892297	10.044204	4.63020414	4.33469951	4.75546927	933	1006	1256
100134229	NR_024451	JHDM1D-AS1	JHDM1D antisense RNA 1 (head	-1.052475096	1.094085906	0.284054	0.271298	0.287792	0.73313634	0.70406985	0.78645063	26	33	35
101928784	NR_120339,NR_120340,NR_12(	RORA-AS1	RORA antisense RNA 1	1.265488634	1.094085906	0.642117	1.042787	0.354541	0.73313634	0.8787583	0.78645063	26	44	35
56940	NM_001286555,NM_020185,NR	DUSP22	dual specificity phosphatase 22	1.19650622	1.094072985	2.74498	3.421972	2.753507	3.2098649	3.44292618	3.32614297	324	518	436
10901	NM_001282987,NM_001282988	DHRS4	dehydrogenase/reductase 4	1.190277567	1.094024429	13.654319	16.780793	13.888816	4.08061013	4.31824987	4.20292915	625	994	841
6429	NM_005626	SRSF4	serine and arginine rich splicing f	-1.100189335	1.093991595	92.041466	83.757065	94.624481	7.83126799	7.69414897	7.96032684	8902	10811	11978
6470	NM_001281786,NM_004169,NM	SHMT1	serine hydroxymethyltransferase	-1.285379191	1.093877978	16.136798	12.644114	16.708959	5.33550944	4.9834484	5.46190042	1546	1607	2080
79943	NM_030895	ZNF696	zinc finger protein 696	1.319316987	1.093819725	2.162263	2.861618	2.223796	3.44397655	3.81140968	3.56196863	388	684	522
117608	NM_058230	ZNF354B	zinc finger protein 354B	1.06957713	1.093655227	6.379241	6.832922	6.55478	3.8730763	3.96371513	3.99380211	536	766	721
128989	NM_001283106,NM_001283116	TANGO2	transport and golgi organization 2	-1.104894448	1.093613321	2.712938	2.453035	2.837041	3.37481244	3.24537964	3.49199507	368	445	495
57175	NM_001018070,NM_020441	CORO1B	coronin 1B	-1.114062349	1.093569486	60.409262	54.265987	62.054156	6.82759419	6.67320833	6.95555497	4420	5301	5945
57728	NM_001317924,NM_025132	WDR19	WD repeat domain 19	1.152632276	1.09348225	3.867168	4.471291	3.978215	4.15675275	4.3509637	4.27877089	661	1018	889
824	NM_001146068,NM_001748	CAPN2	calpain 2	-1.072532632	1.093423428	179.948368	166.909684	184.608978	9.24847605	9.14762607	9.37712614	23840	29699	32061
4952	NM_000276,NM_001318784,NM	OCRL	OCRL, inositol polyphosphate-5-(	-1.14856386	1.093257053	18.616755	16.220722	19.12843	6.55646575	6.35890386	6.68379406	3656	4253	4916
100507547	NR_037169,NR_037170,NR_03	LOC100507547	uncharacterized LOC100507547	-1.548333864	1.093233069	1.525083	1.264005	1.977891	1.30878272	0.96581954	1.38699077	58	50	78
60592	NM_001153446,NM_001153484	SCOC	short coiled-coil protein	-1.062718338	1.093097309	31.253788	29.490232	32.156646	5.92130285	5.8350318	6.04770155	2340	2942	3146
375056	NM_001300867,NM_001324062	MIA3	MIA family member 3, ER export	1.059867324	1.093039064	16.3365	16.180882	15.880888	6.54391798	6.62693041	6.67095	3624	5132	4872
245	NR_002710,NR_120453	ALOX12P2	arachidonate 12-lipoxygenase ps	1.120709448	1.093029072	4.254568	4.537454	4.316918	3.45742019	3.60765556	3.57456234	392	587	527
51016	NM_001346874,NM_001346875	EMC9	ER membrane protein complex s	1.219468336	1.093009518	42.6097	52.051802	43.648341	5.27795218	5.55751527	5.40309959	1484	2418	1995
552889	NM_001136262	ATXN7L3B	ataxin 7 like 3B	-1.070224239	1.093006541	18.302452	17.11701	18.794069	6.05774429	5.96134713	6.18420751	2576	3216	3463
7298	NM_001071	TYMS	thymidylate synthetase	1.020527947	1.09292272	105.182968	107.460136	108.023361	7.34982173	7.37895999	7.47726312	6365	8679	8556
441951	NR_003604,NR_003605,NR_00:	ZFAS1	ZNFX1 antisense RNA 1	-1.297912965	1.0928307	169.032245	134.072797	172.983817	7.14152453	6.76836345	7.26872871	5504	5666	7398
55280	NM_001303404,NM_001303405	CWF19L1	CWF19 like 1, cell cycle control (	-1.389299295	1.092711354	12.588001	9.011567	12.995658	5.04068637	4.58324605	5.16488576	1253	1205	1684
10458	NM_001144888,NM_006340,NM	BAIAP2	BAI1 associated protein 2	-1.481489645	1.092632136	48.717308	32.796008	49.828154	7.27539734	6.71281349	7.40241765	6043	5450	8121
90390	NM_001282986,NM_080651	MED30	mediator complex subunit 30	1.117922716	1.092588078	21.422313	23.730542	21.638399	4.40762874	4.56128075	4.52962301	794	1186	1067
54884	NM_017750	RETSAT	retinol saturase	-1.032881396	1.092532886	19.21249	18.620279	19.722971	5.97603671	5.93011349	6.10177647	2432	3146	3268
91304	NM_001033026,NM_033420	TMEM259	transmembrane protein 259	1.214000729	1.092478294	122.862643	149.436565	126.025037	8.34143305	8.62042021	8.46886218	12695	20592	17058
867	NM_005188	CBL	Cbl proto-oncogene	-1.594688911	1.092456196	5.414052	3.399176	5.558677	5.91217861	5.25306686	5.03773091	2325	1948	3124
51247	NM_001033112,NM_016480,NR	PAIP2	poly(A) binding protein interacting	1.047058527	1.092428648	38.81704	40.743401	39.93174	5.8357435	5.90095294	5.96114983	2203	3082	2960
4331	NM_001177963,NM_002431	MNAT1	MNAT1, CDK activating kinase a	1.103092916	1.092129537	31.27093	34.448483	32.175234	5.42376114	5.56217955	5.54807524	1646	2426	2211
7171	NM_001145160,NM_003290	TPM4	tropomyosin 4	-1.223199286	1.0919789	86.029457	70.410909	88.409032	7.79267723	7.50346531	7.91907562	8666	9466	11639
23765	NM_001289905,NM_014339	IL17RA	interleukin 17 receptor A	1.964035597	1.091952379	4.275055	8.420114	4.390812	5.20411411	6.15864937	5.32773407	1408	3695	1891
25788	NM_001205262,NM_001205263	RAD54B	RAD54 homolog B (S. cerevisiae	-1.417450344	1.091935616	11.219002	7.827344	11.363036	5.20710155	4.71997165	5.33070673	1411	1330	1895
55500	NM_001039481,NM_018638	ETNK1	ethanolamine kinase 1	-1.181696361	1.091863687	15.897393	13.672937	15.836782	6.60710179	6.36892155	6.73265244	3788	4283	5087
23600	NM_001167595,NM_014324,NM	AMACR	alpha-methylacyl-CoA racemase	-1.022625631	1.091494854	3.684194	3.634154	3.859995	3.70573844	3.67595308	3.82277197	473	618	635
23657	NM_014331	SLC7A11	solute carrier family 7 member 1	1.338059493	1.091458996	4.370213	5.853905	4.481435	5.39435726	5.80583095	5.51774626	1612	2882	2164
9282	NM_004229	MED14	mediator complex subunit 14	-1.02234923	1.091451179	6.09476	5.969039	6.250163	5.36344926	5.33234202	5.48676597	1577	2061	2117
51534	NM_001286371,NM_001286372	VTA1	vesicle trafficking 1	1.29422294	1.091359439	11.07514	14.290114	11.31466	5.20710155	5.57030594	5.32996414	1411	2440	1894
5728	NM_000314,NM_001304717,NM	PTEN	phosphatase and tensin homolog	-1.472625196	1.0912177	9.096525	6.190486	9.335223	6.28915072	5.7394296	6.41355113	3031	2750	4068
151195	NM_001142300,NM_001330218	CCNYL1	cyclin Y like 1	1.448693987	1.091212721	5.821014	8.503261	5.98336	4.53514067	5.05054456	4.6558773	871	1686	1169
11054	NM_007346	OGFR	opioid growth factor receptor	1.045131691	1.091207359	46.687237	48.853935	47.877068	6.8093619	6.87249258	6.93421469	4364	6094	5857
203102	NM_001313994,NM_145004	ADAM32	ADAM metallopeptidase domain	-1.455561916	1.091063077	2.248019	1.557608	2.285526	2.78321062	2.33383942	2.89139688	231	212	310
4089	NM_005359	SMAD4	SMAD family member 4	1.131379923	1.091055753	2.424671	2.745479	2.484231	4.44015563	4.6152206	4.56035921	813	1229	1091
9879	NM_001300860,NM_014829,NR	DDX46	DEAD-box helicase 46	-1.068957894	1.091002649	31.92263	29.903995	32.724461	7.4849834	7.38933208	7.60996803	6994	8742	9385
55660	NM_017892	PRPF40A	pre-mRNA processing factor 40 h	1.196211611	1.090958009	28.427078	34.041813	29.141115	7.70979835	7.96714328	7.8348209	8180	13074	10976
6238	NM_001042576,NM_004587	RRBP1	ribosome binding protein 1	1.164322533	1.090944067	81.423012	94.926452	83.798283	8.21975165	8.43856113	8.34492647	11665	18147	15652
284018	NM_181655,NM_181656	C17orf58	chromosome 17 open reading fra	-1.530179275	1.090929225	10.595663	6.848637	10.854277	4.0048921	4.33785926	4.12287815	591	516	793
55004	NM_017907	LAMTOR1	late endosomal/lysosomal adapto	1.35482066	1.090882876	24.666019	33.450771	25.284832	4.87400371	5.29919828	4.99540703	1112	2013	1492
79680	NM_024627	RTL10	retrotransposon Gag like 10	1.324950382	1.090805366	9.509848	12.613309	9.745602	5.96431343	6.36458909	6.0877878	2412	4270	3236
6801	NM_003162	STRN	striatin	1.149563507	1.090759572	3.376095	3.884569	3.460276	5.56629422	5.76342439	5.6890989	1821	2797	2443
81789	NM_001243253,NM_030953	TIGD6	tigger transposable element deriv	-1.221180559	1.090751028	2.644878	2.164082	2.708743	3.49701545	3.23665287	3.61169701	404	442	542
5530	NM_000944,NM_001130691,NM	PPP3CA	protein phosphatase 3 catalytic s	1.107071241	1.09066789	16.622404	18.829007	17.365155	6.25298939	6.39791178	6.37663237	2955	4371	3964
9804	NM_014765	TOMM20	translocase of outer mitochondria	1.100571511	1.090401626	61.825016	68.11911	63.351753	7.67785255	7.81546323	7.8021296	8000	11764	10729
221472	NM_173558	FGD2	FYVE, RhoGEF and PH domain	-4.435729039	1.090275657	1.482935	0.329666	1.518656	2.43469539	0.99371033	2.53718654	173	52	232
51200	NM_001163446,NM_016352	CPA4	carboxypeptidase A4	1.632563264	1.09016991	1.650028	2.670208	1.668587	2.45494311	3.05664709	2.5576298	176	384	236
5639	NM_000951,NM_001316335	PRRG2	proline rich and Gla domain 2	1.174729309	1.089910096	5.990962	6.947734	6.178717	3.2058879	3.41483526	3.31717816	323	507	433
598	NM_001191,NM_001317919,NM	BCL2L1	BCL2 like 1	-1.259828815	1.08986972	87.065249	70.697233	91.716455	7.84171797	7.51011894	7.96535646	8967	9510	12020
6533	NM_001134367,NM_001134368	SLC6A6	solute carrier family 6 member 6	1.147406576	1.089776545	6.179918	7.667952	6.331653	5.17083736	5.36407379	5.29157606	1375	2108	1843
1499	NM_001098209,NM_001098210	CTNNB1	catenin beta 1	2.012618112	1.089580098	62.470212	126.241868	62.560723	7.71467965	8.72050339	7.83808883	8209	22075	11001
9156	NM_001319224,NM_003686,NM	EXO1	exonuclease 1	1.109522159	1.089164946	12.067773	13.219557	12.24607	5.33003867	5.47644219	5.45033042	1540	2283	2063
79616	NM_001308173,NM_024565,NR	CCNJL	cyclin J like	1.069028307	1.089101154	5.610264	5.969339	5.752439	4.23103553	4.3223799	4.34789256	698	997	935
100128537	NR_135298,NR_135299	C1orf132	chromosome 1 open reading fran	1.214008687	1.088993151	0.605363	0.743129	0.623706	1.23264156	1.40024122	1.30472178	53	86	71
9889	NM_014838	ZBED4	zinc finger BED-type containing 4	-1.041735456	1.088911988	3.816539	3.668481	3.905238	4.733271	4.67653783	4.85173544	1005	1289	1346
80143	NM_001102396,NM_025073,NR	SIKE1	suppressor of IKBKE 1	1.058618134	1.088698742	7.505812	7.972032	7.685335	5.3643416	5.44458858	5.48409837	1578	2232	2113
57707	NM_020947	TLDC1	TBC/LysM-associated domain co	1.450986501	1.08869088	20.108164	29.205793	20.570427	6.63657785	7.16911045	6.75799388	3867	7497	5178
2876	NM_000581,NM_001329455,NM	GPX1	glutathione peroxidase 1	-1.096361695	1.088537376	96.897267	88.589023	98.960025	6.78923598	6.65776512	6.91056862	4303	5244	5761
5927	NM_001042603	KDM5A	lysine demethylase 5A	-1.13032986	1.088096186	5.514734	4.885083	5.640381	5.88756138	5.71398144	6.00739874	2285	2701	3058
143	NM_006437	PARP4	poly(ADP-ribose) polymerase fan	1.152222526	1.087999336	17.7941	20.525442	18.193695	6.58123858	6.78367148	6.70170058	3720	5727	4978
6604	NM_001003801,NM_001003802	SMARCD3	SWI/SNF related, matrix associa	-1.593226475	1.087980888	2.072483	1.302268	2.119446	2.15835987	1.66595383	2.2537152	136	114	182
85379	NM_001145206	KIAA1671	KIAA1671	1.207083328	1.087973608	7.776156	9.398362	7.951674	6.33037656	6.59883122	6.45057385	3120	5032	4175
51125	NM_001002296,NM_001174124	GOLGA7	golgin A7	1.080861438	1.087907189	21.765828	23.57662	22.472757	5.40219915	5.5118332	5.52100322	1621	2341	2169
84529	NM_001130010,NM_001290232	C15orf41	chromosome 15 open reading fra	-1.136035252	1.087887524	6.207941	5.462845	6.441055	4.10430518	3.93163239	4.21906166	636	748	851
573	NM_001172415,NM_001349286	BAG1	BCL2 associated athanogene 1	-1.022384873	1.087702241	5.003283	4.899578	5.122723	4.31651022	4.28618731	4.43196063	743	971	994
5859	NM_001272073,NM_005051,NR	QARS	glutaminyl-tRNA synthetase	-1.08100627	1.087695757	38.095736	35.366206	38.928893	6.72225246	6.610981	6.84242861	4106	5075	5493
130074	NM_001009993,NM_001321743	FAM168B	family with sequence similarity 16	1.286619885	1.087638134	21.339558	27.220967	21.499494	6.82110907	7.18185761	6.94128221	4400	7564	5886
123169	NM_001286430,NM_001323903	LEO1	LEO1 homolog, Paf1/RNA polym	-1.111970986	1.087410136	21.234065	19.16493	21.789619	5.53493448	5.38528583	6.65333437	1781	2140	2382
6599	NM_003074	SMARCC1	SWI/SNF related, matrix associa	1.077916955	1.087337217	10.910214	11.772952	11.145734	5.95782478	6.06439629	6.076764	2401	3458	3201
2039	NM_001114135,NM_001114136	DMTN	dematin actin binding protein	1.148296825	1.087274687	3.265821	3.833784	3.391329	3.25290323	3.43277448	3.36145532	335	514	448
254827	NM_207015	NAALADL2	N-acetylated alpha-linked acidic	-1.056096521	1.087215331	0.437575	0.417969	0.451488	1.63881618	1.58576189	1.72191206	83	105	111
54509	NM_019034	RHOF	ras homolog family member F, fil	-1.401975735	1.08714536	90.787193	64.833664	92.754738	7.75659858	7.27180908	7.87661009	8451	8054	11300
23483	NM_001304430,NM_014305,NR	TGDS	TDP-glucose 4,6-dehydratase	-1.111112257	1.086847516	6.643784	5.970958	6.718245	3.73639016	3.59633059	3.84788889	484	582	647

6749	NM_003146	SSRP1	structure specific recognition prot	1.291491087	1.086837308	74.435036	96.241486	76.018066	7.68161622	8.04907133	7.80119225	8021	13841	10722
9927	NM_001127660,NM_014874	MFN2	mitofusin 2	1.081913407	1.086814328	24.814542	26.907646	25.360303	6.8330837	6.94571301	6.95218097	4437	6414	5931
6733	NM_001278273,NM_001350738	SRPK2	SRSF protein kinase 2	-1.346845517	1.08676643	13.81195	10.345222	14.356822	5.70236863	5.28233643	5.82020306	2005	1989	2680
93487	NM_144578	MAPK1IP1L	mitogen-activated protein kinase	1.077278793	1.086736908	16.409412	17.696642	16.757103	6.70544932	6.81185167	6.82435142	4058	5841	5424
7936	NM_002904	NELFE	negative elongation factor compl	1.159348013	1.086645884	24.595192	28.550018	25.113348	5.26271827	5.47087182	5.37960921	1468	2274	1962
875	NM_000071,NM_001178008,NM	CBS	cystathionine-beta-synthase	1.407395281	1.086582988	22.866779	32.22219	23.385426	5.87133194	6.35722746	5.98917078	2259	4248	3019
25956	NM_015490	SEC31B	SEC31 homolog B, COPII coat c	1.089349139	1.086398417	2.613284	2.847961	2.666595	3.67154031	3.78571564	3.782087	461	671	616
1643	NM_000107,NM_001300734	DDB2	damage specific DNA binding pr	-1.603289891	1.086298663	26.350483	16.061056	26.519555	5.56396574	4.90116298	5.68096869	1818	1515	2429
10096	NM_001277140,NM_005721,NR	ACTR3	ARP3 actin related protein 3 hom	1.204854973	1.086271698	37.420755	44.907706	38.007211	7.69781293	7.96549372	7.81664753	8112	13059	10838
9025	NM_003958,NM_183078,NR_04	RNF8	ring finger protein 8	-1.126734244	1.086262898	1.701982	1.502263	1.725664	3.3677101	3.213120 06	3.47597349	366	434	489
53832	NM_001278722,NM_001278723	IL20RA	interleukin 20 receptor subunit al	1.467675066	1.08616738	6.559011	9.54956	6.591678	4.57884974	5.11306995	4.69331288	899	1763	1201
11102	NM_001098783,NM_007042	RPP14	ribonuclease P/MRP subunit p14	-1.023118114	1.085819228	2.425193	2.342558	2.43713	3.12816418	3.09899072	3.23388481	304	397	406
11284	NM_007254	PNKP	polynucleotide kinase 3'-phospha	1.261696269	1.085806417	30.710732	38.802967	31.338631	5.71361634	6.04328303	5.83021527	2021	3407	2699
7316	NM_021009	UBC	ubiquitin C	-1.072335525	1.085790507	845.405701	789.250732	862.598389	11.05577659	10.95506909	11.17446896	83535	104084	111557
57017	NM_020312	COQ9	coenzyme Q9	1.209346929	1.08556718	30.673006	37.146774	31.293262	5.68533091	5.9547109	5.80157562	1981	3201	2645
9584	NM_001242599,NM_001242600	RBM39	RNA binding motif protein 39	1.029912231	1.085532218	143.115306	147.163146	146.169308	8.64937537	8.6917927	8.7674956	15725	21639	20995
2733	NM_001003722,NM_001499	GLE1	GLE1, RNA export mediator	1.013675753	1.085234131	20.337592	20.480607	20.83847	6.04221495	6.06151662	6.15850577	2548	3451	3401
23354	NM_015302	HAUS5	HAUS augmin like complex subu	-1.215747728	1.084919151	11.524579	9.490734	11.75439	5.62555205	5.34998195	5.74085701	1899	2087	2534
9587	NM_001003690,NM_014628	MAD2L1BP	MAD2L1 binding protein	1.220595604	1.0849078	11.963736	15.838318	13.17446	4.10002583	4.37236795	4.21101796	634	1034	846
22995	NM_001194998,NM_014985	CEP152	centrosomal protein 152	-1.271646686	1.084778315	8.879148	7.023828	8.996352	5.62182561	5.28304295	5.73694088	1894	1990	2527
84939	NM_032853,NR_024247	MUM1	melanoma associated antigen (m	1.313076581	1.084665757	8.51381	11.244107	8.719178	5.13886234	5.52204401	5.25292228	1344	2358	1793
10971	NM_006826	YWHAQ	tyrosine 3-monooxygenase/tryptc	1.399488352	1.084632961	127.82457	179.10022	130.289062	8.13718986	8.62062984	8.25399802	11014	20595	14693
7975	NM_002360	MAFK	MAF bZIP transcription factor K	-1.210332842	1.084596177	23.894444	19.762817	24.351391	6.30271368	6.03113821	6.41844959	3060	3378	4082
157680	NM_015243,NM_017890,NM_15	VPS13B	vacuolar protein sorting 13 homo	-1.154703881	1.084533711	4.157611	3.449239	3.805794	5.48985314	5.28727486	5.60443065	1725	1996	2301
182	NM_000214	JAG1	jagged 1	1.27144635	1.084475997	11.502857	14.644622	11.723782	6.08885029	6.43080098	6.20420113	2633	4473	3512
81608	NM_001134937,NM_001134938	FIP1L1	factor interacting with PAPOLA a	1.201461474	1.08444826	30.930662	37.118007	31.98366	6.18895235	6.45043212	6.30437724	2825	4535	3768
92675	NM_001318043,NM_080820	DTD1	D-tyrosyl-tRNA deacylase 1	1.292649643	1.084333147	18.287134	23.758923	18.842222	4.70677986	5.06458384	4.8192972	986	1703	1315
79763	NM_001136201,NM_001136202	ISOC2	isochorismatase domain containi	-1.115560881	1.084234691	39.678336	35.691749	40.626581	5.35539329	5.20167964	5.46933775	1568	1878	2091
90135	NM_033271	BTBD8	BTB domain containing 6	1.015730239	1.084055406	9.947188	10.120954	10.139203	4.34028863	4.36170552	4.45120991	756	1026	1008
100533106	NM_001204180	ZHX1-C8orf76	ZHX1-C8orf76 readthrough	-1.455979056	1.084035495	4.971346	3.416376	5.072971	3.0724647	2.60642858	3.17555833	267	291	388
6775	NM_001243835,NM_003151	STAT4	signal transducer and activator o	1.092086901	1.083998115	1.242106	1.366185	1.268714	2.15010456	2.24959721	2.24113096	135	197	180
2959	NM_001514	GTF2B	general transcription factor IIB	-1.46142558	1.083961928	42.091557	28.831709	42.876751	6.09638885	5.55868275	6.21107345	2647	2420	3529
137209	NM_152412	ZNF572	zinc finger protein 572	1.257403087	1.083937173	0.573883	0.723953	0.585251	1.50279892	1.72538257	1.57922529	72	121	96
126823	NM_001007255,NM_152366,NR	KLHDC9	kelch domain containing 9	1.102763096	1.083902846	1.251592	1.32372	1.253417	1.29387258	1.37924953	1.36396013	57	84	76
7127	NM_006291	TNFAIP2	TNF alpha induced protein 2	1.247890264	1.083858107	121.716194	152.060715	123.972809	8.95354542	9.27245989	9.0694968	19425	32388	25895
515	NM_001688	ATP5F1	ATP synthase, H+ transporting, r	1.23133193	1.083757413	65.583969	80.853485	66.80056	7.07875709	7.37697587	7.19397627	5268	8667	7022
387914	NM_001007538	SHISA2	shisa family member 2	2.091722103	1.083754876	0.267988	0.565835	0.276613	0.81895953	1.37924953	0.87055986	30	84	40
100129961	NR_036549	CCNT2-AS1	CCNT2 antisense RNA 1	1.370477878	1.083676992	0.440298	0.603727	0.454824	0.68823103	0.8787583	0.73352601	24	44	32
440823	NR_003491,NR_033319,NR_03	MIAT	myocardial infarction associated	-10.24819433	1.083676992	0.060113	0.004108	0.062139	0.68823103	0.08023518	0.73352601	24	3	32
150244	NR_003950	ZDHHC8P1	zinc finger DHHC-type containing	-1.99528907	1.083676992	0.243485	0.122782	0.245927	0.68823103	0.38406669	0.73352601	24	16	32
30849	NM_014602	PIK3R4	phosphoinositide-3-kinase regula	1.393571872	1.083622835	9.58977	13.384791	9.767521	5.58708313	6.05739281	5.70063458	1848	3441	2463
5813	NM_005859	PURA	purine rich element binding prote	1.018410416	1.083614783	6.00948	6.12958	6.122376	4.99992509	5.0254311	5.11230382	1217	1656	1622
816	NM_001220,NM_001293170,NM	CAMK2B	calcium/calmodulin dependent pr	-2.385213757	1.083547505	0.102457	0.0427	0.101627	0.54446555	0.25173066	0.58209675	18	10	24
55848	NM_018465	PLGRKT	plasminogen receptor with a C-te	-1.034477994	1.083492147	12.765368	12.363308	13.004669	3.74463792	3.69943092	3.85203285	487	629	649
196951	NM_001330293,NM_152647	FAM227B	family with sequence similarity 22	1.146553924	1.083444204	0.196374	0.272934	0.218386	0.46682716	0.52452456	0.49997203	15	23	20
102724354	NR_136540	LINC01669	long intergenic non-protein codin	-1.054423872	1.083444204	0.563094	0.530023	0.575943	0.46682716	0.44594451	0.49997203	15	19	20
24138	NM_012420	IFIT5	interferon induced protein with te	-1.636246801	1.083435545	5.655025	3.457468	5.753824	4.53672473	3.86524379	4.64755715	872	712	1162
2009	NM_001008707,NM_004434	EML1	echinoderm microtubule associat	1.49247703	1.08328973	0.069397	0.103908	0.067865	0.38477185	0.54351856	0.41288872	12	24	16
401546	NM_001012993	C9orf152	chromosome 9 open reading fran	-5.146843863	1.08328973	0.117906	0.02214	0.119741	0.38477185	0.08023518	0.41288872	12	3	16
4921	NM_001014796,NM_006182	DDR2	discoidin domain receptor tyrosin	3.46340288	1.083033542	0.068928	0.253632	0.073878	0.29776659	0.84852988	0.32020933	9	42	12
100286844	NR_027499,NR_027500,NR_02	BCDIN3D-AS1	BCDIN3D antisense RNA 1	3.874313838	1.083033542	0.07608	0.297595	0.077675	0.29776659	0.92294555	0.32020933	9	47	12
10699	NM_001278585,NM_001278586	CORIN	corin, serine peptidase	-1.980810008	1.083033542	0.041783	0.019566	0.043895	0.29776659	0.15624221	0.32020933	9	6	12
9215	NM_004737,NM_133642	LARGE1	LARGE xylosyl- and glucuronyltra	-1.091995207	1.083033542	0.051746	0.04571	0.054345	0.29776659	0.27464693	0.32020933	9	11	12
5409	NM_002686,NR_073461	PNMT	phenylethanolamine N-methyltra	1.080119318	1.083033542	0.227827	0.246077	0.241383	0.29776659	0.31941552	0.32020933	9	13	12
56130	NM_001303145,NM_018939	PCDHB6	protocadherin beta 6	-1.002067138	1.083033542	0.069244	0.071213	0.06925	0.29776659	0.29720487	0.32020933	9	12	12
124149	NR_026556	ANKRD26P1	ankyrin repeat domain 26 pseudo	1.737576852	1.083033542	0.03803	0.067132	0.036846	0.29776659	0.48576948	0.32020933	9	21	12
9910	NM_001035230,NM_001243763	RABGAP1L	RAB GTPase activating protein 1	-1.903653248	1.082999541	27.117933	15.407908	25.325577	6.87688916	5.95913844	6.99098343	4575	3211	6094
199746	NM_001040425,NM_144987,NR	U2AF1L4	U2 small nuclear RNA auxiliary fa	-1.396364694	1.082984693	14.784592	10.886708	15.216906	3.80372238	3.36231592	3.91081999	509	487	678
389084	NM_001346120,NM_001346121	C2orf82	chromosome 2 open reading fran	1.528379116	1.082958546	4.612657	7.072809	4.682571	3.77179482	4.34691481	3.87868233	497	1015	662
83590	NM_001136044,NM_031434	TMUB1	transmembrane and ubiquitin like	-1.224076302	1.082904715	30.354759	24.254007	31.835704	5.4177562	5.13358491	5.53008379	1639	1789	2183
1848	NM_001946,NM_022652	DUSP6	dual specificity phosphatase 6	-1.063450945	1.082824975	17.122294	16.00979	17.394219	5.8260599	5.73891471	5.93891905	2188	2749	2914
23264	NM_017590	ZC3H7B	zinc finger CCCH-type containing	1.550976378	1.082817364	36.375687	56.483372	37.015171	7.72081433	8.3515662	7.83506261	8243	17082	10978
1033	NM_001130851,NM_001330173	CDKN3	cyclin dependent kinase inhibitor	-1.015121395	1.082738825	71.314804	70.596015	72.845298	5.98882325	5.96751352	6.10177647	2454	3230	3268
116138	NM_057161,NR_040101	KLHDC3	kelch domain containing 3	1.197482649	1.082623378	21.961302	26.374206	22.361345	5.46511016	5.71973349	5.57715406	1695	2712	2257
118813	NM_001002261,NM_001002262	ZFYVE27	zinc finger FYVE-type containing	-1.296330533	1.082604238	16.368558	12.430152	16.53635	5.59470734	5.22906934	5.70694011	1858	1915	2474
56663	NR_026704	VTRNA1-2	vault RNA 1-2	1.488162123	1.082525863	1.495266	2.591348	1.758644	0.20517559	0.29720487	0.22116494	6	12	8
2280	NM_000801,NM_001199786,NM	FKBP1A	FK506 binding protein 1A	1.769318169	1.082446713	99.828492	176.070553	101.027047	7.27088354	8.0900206	7.38446988	6024	14241	8020
9990	NM_001042494,NM_001042495	SLC12A6	solute carrier family 12 member 6	-1.266973963	1.082438866	5.290335	4.20015	5.15933	5.29583597	4.96419416	5.40732977	1503	1585	2001
64754	NM_001167740,NM_022743	SMYD3	SET and MYND domain containi	1.172528653	1.082416011	15.829761	18.585786	16.150592	4.71239751	4.9339228	4.82246845	990	1551	1318
23287	NM_001286715,NM_001286717	AGTPBP1	ATP/GTP binding protein 1	1.014439628	1.082407411	1.911527	1.94043	1.952507	3.24129226	3.25980797	3.34390718	332	450	442
94107	NM_053045	TMEM203	transmembrane protein 203	1.075723559	1.082371424	26.950663	29.024384	27.408634	5.38647251	5.48935666	5.49804855	1603	2304	2134
259295	NM_176889	TAS2R20	taste 2 receptor member 20	-1.175644164	1.082248144	1.708751	1.456585	1.748311	2.29940604	2.11639955	2.39105499	154	175	205
57657	NM_020897,NR_073074	HCN3	hyperpolarization activated cyclic	-1.088516498	1.082114669	6.585684	6.057244	6.699502	4.69263929	4.57519242	4.8022651	976	1198	1299
93210	NM_001291726,NM_001291728	PGAP3	post-GPI attachment to proteins 3	1.561711594	1.082026849	9.284534	14.531737	9.355956	4.63168723	5.25378786	4.74101761	934	1949	1243
84254	NM_032294,NM_172206,NM_17	CAMKK1	calcium/calmodulin dependent pr	1.134607027	1.081808286	0.979758	1.044452	0.93301	2.05603457	2.19658485	2.1430785	124	188	165
8480	NM_001015885,NM_003610	RAE1	ribonucleic acid export 1	1.395802368	1.081529225	35.475249	49.477312	36.071447	5.99171354	6.46638246	6.10308098	2459	4586	3271
100506144	NM_001195156	TMEM35B	transmembrane protein 35B	1.167586528	1.081481959	38.621796	45.148659	39.245674	5.16182707	5.3793514	5.27165538	1366	2131	1817
55034	NM_017947	MOCOS	molybdenum cofactor sulfurase	1.008810603	1.081421868	5.325884	5.375742	5.413941	4.06532627	4.07723084	4.17717132	618	833	822
91107	NM_033452	TRIM47	tripartite motif containing 47	-1.664723046	1.081262653	52.52681	31.58148	53.370148	6.86716399	6.14005097	6.97895459	4544	3647	6043
6383	NM_002998	SDC2	syndecan 2	-1.002019576	1.081039405	0.022446	0.021663	0.022942	0.10623215	0.10601836	0.1148164	3	4	4
29065	NR_002765	ASAP1-IT1	ASAP1 intronic transcript 1	-1.320831011	1.081039405	0.044379	0.049877	0.058918	0.10623215	0.08023518	0.1148164	3	3	4
145407	NM_001001872,NM_001320173	C14orf37	chromosome 14 open reading fra	4.129494323	1.081039405	0.021679	0.103114	0.024723	0.10623215	0.40498891	0.1148164	3	17	4
100874372	NR_046816	ARHGAP26-IT1	ARHGAP26 intronic transcript 1	1.238869866	1.081039405	0.153414	0.20685	0.19221	0.10623215	0.13134883	0.1148164	3	5	4
51440	NM_001282396,NM_001282397	HPCAL4	hippocalcin like 4	2.925067466	1.081039405	0.010728	0.04823	0.016353	0.10623215	0.29720487	0.1148164	3	12	4
100287364	NM_001256859,NM_001256859	USP17L18	ubiquitin specific peptidase 17-lik	1.479755237	1.081039405	0.036885	0.065772	0.041109	0.10623215	0.15624221	0.1148164	3	6	4
729020	NM_001143909	RPEL1	ribulose-5-phosphate-3-epimeras	-1.320831011	1.081039405	0.030706	0.021959	0.028153	0.10623215	0.08023518	0.1148164	3	3	4
100616388	NR_039875	MIR4723	microRNA 4723	-1.002019576	1.081039405	0.748287	0.730778	0.767182	0.10623215	0.10601836	0.1148164	3	4	4
57116	NM_001204221,NM_020394,NR	ZNF695	zinc finger protein 695	-1.79422624	1.081022928	4.018312	1.983846	5.078479	2.97768275	2.27254712	3.07632672	270	201	359
701	NM_001211	BUB1B	BUB1 mitotic checkpoint serine/tl	-1.183779666	1.08092761	31.993551	27.058773	32.499321	6.87751435	6.6363608	6.98886797	4577	5166	6085
100302401	NR_027982	RASAL2-AS1	RASAL2 antisense RNA 1	1.394330117	1.080885086	0.980253	1.374632	0.995866	1.69664266	2.04488597	1.77525664	88	164	117
101060684	NM_001351372	NBPF26	NBPF member 26	1.113182616	1.080876769	15.692032	17.485229	15.937428	6.45288807	6.60590749	6.56386083	3400	5057	4520
8568	NM_003683	RRP1	ribosomal RNA processing 1	-1.00046912	1.080799808	46.861988	46.886723	47.591763	6.38283974	6.38217119	6.49364973	3237	4323	4303
57567	NM_020807	ZNF319	zinc finger protein 319	1.246712909	1.08071619	2.52098	3.143921	2.561591	3.50674676	3.79960773	3.60925088	407	678	541
55706	NM_001168551,NM_018087,NR	NDC1	NDC1 transmembrane nucleopor	1.148615767	1.080689532	18.441768	21.096256	18.587845	6.4410946	6.6388468	6.55180999	3372	5175	4482
134728	NM_001010844	IRAK1BP1	interleukin 1 receptor associated	-1.226990814	1.080523004	0.598314	0.488566	0.605442	1.59082596	1.40024122	1.66651905	79	86	105
55568	NM_198321	GALNT10	polypeptide N-acetylgalactosamii	1.213503466	1.080335618	16.91489	20.552052	17.174513	6.63065645	6.9072778	6.74105604	3851	6244	5117
57592	NM_001304763,NM_001304764	ZNF687	zinc finger protein 687	1.216693375	1.080236989	8.36814	10.287743	8.559746	5.28173566	5.55809913	5.39033409	1488	2419	1977
25822	NM_001135004,NM_001135005	DNAJB5	DnaJ heat shock protein family (H	1.414241423	1.080232092	0.676995	1.098994	0.790886	1.51570785	1.86027027	1.58918956	73	138	97
284942	NR_026981,NR_026982	RPL23AP82	ribosomal protein L23a pseudoge	-1.150867021	1.080214536	2.559902	2.231084	2.618104	2.21486103	2.05815489	2.30298238	143	166	190

648	NM_005180	BMI1	BMI1 proto-oncogene, polycomb	1.087914271	1.080209683	8.048573	8.770424	8.174084	4.80206342	4.91945464	4.90954071	1056	1535	1403
11147	NM_001031693,NM_001036645	HHLA3	HERV-H LTR-associating 3	1.029753345	1.080202402	13.283524	13.816216	13.364096	3.55756677	3.59633059	3.65976826	423	582	562
11177	NM_013448,NM_182648	BAZ1A	bromodomain adjacent to zinc fin	1.229756439	1.080119192	18.258476	22.521306	18.635151	6.75085396	7.0467285	6.86105334	4189	6883	5565
51701	NM_016231	NLK	nemo like kinase	1.24317493	1.080077089	7.040573	8.764853	7.151099	4.65958016	4.96243097	4.76648826	953	1583	1266
30968	NM_001287031,NM_001287032	STOML2	stomatin like 2	1.103593116	1.079910439	37.236519	41.144472	37.919799	5.71501616	5.85465113	5.82389986	2023	2983	2687
5520	NM_001177591,NM_002717	PPP2R2A	protein phosphatase 2 regulatory	1.242628336	1.079863023	14.989635	18.651644	15.214514	5.87070407	6.17928992	5.979733	2258	3749	2999
4297	NM_001197104,NM_005933	KMT2A	lysine methyltransferase 2A	-1.521399123	1.079781533	6.084756	4.00254	6.173672	6.63362019	6.03575691	6.74328876	3859	3389	5125
284348	NM_001031749,NM_001288763	LYPD5	LY6/PLAUR domain containing 5	-1.042752658	1.079693629	0.655859	0.62909	0.658625	1.39514558	1.3579479	1.46482043	64	82	85
10695	NM_001318842,NM_001318845	CNPY3	canopy FGF signaling regulator 3	1.267738038	1.079568278	23.246807	29.591842	22.545988	5.35539329	5.69020854	5.46325552	1568	2656	2082
151648	NM_001012409,NM_001012410	SGO1	shugoshin 1	-1.243631447	1.079474831	6.75942	4.773096	5.883685	4.00709644	3.71417485	4.11082387	592	636	786
79602	NM_024551	ADIPOR2	adiponectin receptor 2	1.089778068	1.079375042	30.493647	33.269962	30.93251	6.89150985	7.01454555	7.00081478	4622	6730	6136
6156	NM_000989	RPL30	ribosomal protein L30	-1.173259924	1.079324225	1060.359741	904.775696	1075.488403	9.16227482	8.93218717	9.27221859	22455	25572	29809
23468	NM_001127321,NM_001127322	CBX5	chromobox 5	1.36024128	1.079124231	11.67221	15.899031	11.840096	7.04770809	7.48868777	7.16677157	5155	9369	6842
100499177	NM_034075,NM_034076,NR_03	THAP9-AS1	THAP9 antisense RNA 1	3.065421588	1.078992203	19.233225	58.700578	19.611099	5.43314728	7.02661934	5.54039208	1657	6787	2199
133015	NM_001130727,NM_001258345	PACRGL	PARK2 coregulated like	-1.051564128	1.07894555	3.168029	2.400196	2.544615	3.56379523	3.49751855	3.66448845	425	540	564
66004	NM_023946,NM_177457,NM_17	LYNX1	Ly6/neurotoxin 1	1.122525595	1.078771092	0.572921	0.713386	0.583768	1.86749926	1.99055518	1.94780992	104	156	138
105376114	NR_135839,NR_135840	LOC105376114	uncharacterized LOC105376114	1.237307061	1.07868636	1.214559	1.473812	1.077721	1.21691895	1.40024122	1.28032816	52	86	69
9399	NM_001256672,NM_001256673	STOML1	stomatin like 1	1.483509046	1.078462238	4.395324	6.382406	4.358929	3.27204958	3.79168578	3.37014999	340	674	451
164	NM_001030007,NM_001128	AP1G1	adaptor related protein complex	-1.002379594	1.078150832	19.973057	19.945122	20.237241	7.06647239	7.06306898	7.17425323	5223	6962	6926
84256	NM_001308068,NM_020912,NM	FLYWCH1	FLYWCH-type zinc finger 1	1.316101236	1.077911299	6.511339	9.154563	7.329243	5.01931705	5.40489279	5.12434579	1234	2170	1636
4048	NM_000895,NM_001256643,NM	LTA4H	leukotriene A4 hydrolase	-1.391025238	1.077872545	74.056873	53.317618	75.744903	7.32528497	6.85264014	7.43282335	6257	6010	8295
5781	NM_001330437,NM_002834,NM	PTPN11	protein tyrosine phosphatase, no	-1.260403984	1.077363092	31.46494	25.073435	31.888235	7.55778083	7.22588171	7.66473701	7358	7800	9750
54495	NM_001350512,NM_001350513	TMX3	thioredoxin related transmembra	-1.191300309	1.07735794	30.548391	25.353121	30.896815	7.12845243	6.87788106	7.23521165	5454	6117	7227
23644	NM_014329	EDC4	enhancer of mRNA decapping 4	1.136076237	1.077347981	23.032843	26.195749	23.319677	6.76680203	6.94927828	6.87333758	4236	6430	5613
26232	NM_012168	FBXO2	F-box protein 2	-1.0778178	1.07717884	6.615042	6.146307	6.696758	3.59149522	3.49264009	3.69017701	434	538	575
23137	NM_015110	SMC5	structural maintenance of chrom	-1.037957329	1.077174647	16.212622	15.635568	16.410007	6.57238473	6.51921133	6.67855348	3697	4759	4898
10581	NM_006435	IFITM2	interferon induced transmembran	-2.034492388	1.077029749	53.842445	26.478912	54.5158	5.29583597	4.30856691	5.40027255	1503	987	1991
439	NM_004317	ASNA1	arsA arsenite transporter, ATP-bi	1.099451951	1.076921194	40.792599	44.891544	41.27977	5.73309128	5.86742698	5.83807086	2049	3010	2714
988	NM_001253	CDC5L	cell division cycle 5 like	1.1010123	1.076812466	8.511358	9.383034	8.611459	5.76317329	5.89957147	5.86804962	2093	3079	2772
9776	NM_001142673,NM_001205119	ATG13	autophagy related 13	-1.587331782	1.07681097	9.583861	6.091501	9.71697	5.81239274	5.16074844	5.9173294	2167	1824	2870
2729	NM_001197115,NM_001498	GCLC	glutamate-cysteine ligase catalyti	-1.284587776	1.076772182	13.517725	10.557252	13.746034	5.6774542	5.3241272	5.7821617	1970	2049	2609
80331	NM_025219	DNAJC5	DnaJ heat shock protein family (H	1.092962083	1.076750371	23.984371	26.245226	24.268541	6.96129094	7.08855191	7.06715164	4853	7087	6427
9734	NM_001204144,NM_001204145	HDAC9	histone deacetylase 9	-1.047772357	1.076697034	7.4356	6.570467	6.911726	4.90989472	4.84485395	5.01309432	1141	1455	1511
57819	NM_021177	LSM2	LSM2 homolog, U6 small nucleal	-1.231029352	1.076653425	17.396309	14.158169	17.617245	3.99331833	3.71417485	4.09342686	586	636	776
55506	NM_018649	H2AFY2	H2A histone family member Y2	-1.128427313	1.076354466	15.19591	13.478445	15.368409	5.05512721	4.88636082	5.15820771	1266	1499	1676
64756	NM_001042546,NM_001243728	ATPAF1	ATP synthase mitochondrial F1 c	1.387976074	1.076290789	13.648292	18.978375	13.826681	4.64349742	5.10029882	4.74547971	942	1747	1247
55715	NM_001330556,NM_018110	DOK4	docking protein 4	-1.541519459	1.076127055	11.997984	7.823874	12.24642	5.09006999	4.48841131	5.19292756	1298	1125	1718
2990	NM_000181,NM_001284290,NM	GUSB	glucuronidase beta	-2.078219555	1.076063874	29.566166	14.385471	28.729083	5.98011746	4.94913788	6.08426934	2439	1568	3228
8904	NM_001198863,NM_003915,NM	CPNE1	copine 1	1.138763128	1.075976351	75.419302	86.268403	76.218472	7.22372265	7.41001692	7.32868926	5829	8869	7714
25973	NM_152268	PARS2	prolyl-tRNA synthetase 2, mitoch	1.344272409	1.075902635	1.821517	2.457665	1.846326	2.39332696	2.74825434	2.47942639	167	300	221
55421	NM_001114118	NCBP3	nuclear cap binding subunit 3	1.097834821	1.075895574	5.832802	6.409328	5.897378	5.56939302	5.70135133	5.6727924	1825	2677	2415
1292	NM_001849,NM_058174,NM_05	COL6A2	collagen type VI alpha 2 chain	-1.11955207	1.07584284	15.620353	13.902643	15.717936	5.7065968	5.54696516	5.81012087	2011	2400	2661
2774	NM_001142339,NM_001261443	GNAL	G protein subunit alpha L	1.2201614	1.075598496	0.301851	0.373664	0.308369	1.40904982	1.59489542	1.47560397	65	106	86
332	NM_001012270,NM_001012271	BIRC5	baculoviral IAP repeat containing	1.022457231	1.075497477	44.828421	46.056978	45.443885	6.86053853	6.89230706	6.9646734	4523	6179	5983
56893	NM_001304342,NM_020131	UBQLN4	ubiquilin 4	1.167236696	1.075451414	14.57224	17.031113	14.732207	5.70870626	5.92786643	5.81171749	2014	3141	2664
7737	NM_006978	RNF113A	ring finger protein 113A	1.255383329	1.075308366	9.98485	12.563878	10.10285	3.76910202	4.07560059	3.86643371	496	832	656
6804	NM_001165903,NM_004603	STX1A	syntaxin 1A	-1.551471317	1.075219312	19.237757	12.411922	19.440514	5.35089824	4.73657294	5.45306113	1563	1346	2067
221092	NM_001079559	HNRNPUL2	heterogeneous nuclear ribonucle	-1.006989897	1.075133752	35.003845	34.798695	35.366699	7.46286639	7.45287419	7.56681258	6887	9138	9107
5742	NM_000962,NM_001271164,NM	PTGS1	prostaglandin-endoperoxide synt	1.230499676	1.075053957	0.146758	0.196822	0.152219	0.83964067	0.97983233	0.88680889	31	51	41
3556	NM_001167928,NM_001167929	IL1RAP	interleukin 1 receptor accessory	1.177064129	1.075025476	6.188912	7.524986	7.358372	4.71239751	4.93931117	4.81293371	990	1557	1309
9329	NM_012204,NR_133925	GTF3C4	general transcription factor IIIC s	1.23844645	1.075025416	5.89857	7.312776	5.956297	5.72616608	6.02945501	5.82863901	2039	3374	2696
4841	NM_001145408,NM_001145409	NONO	non-POU domain containing, oct	1.135185017	1.074917772	126.751876	144.190768	128.158536	8.58881916	8.77130155	8.69278504	15077	22868	19933
84302	NM_001303107,NM_001303108	TMEM246	transmembrane protein 246	1.333234692	1.074901091	5.78714	7.759957	5.83818	4.65082999	5.05137419	4.75103801	947	1687	1252
339448	NM_207356	C1orf174	chromosome 1 open reading fran	-1.009380407	1.074850309	18.467558	18.323238	18.660788	4.95324168	4.94020727	5.05414007	1177	1558	1556
10591	NM_006443,NM_199184	DNPH1	2'-deoxynucleoside 5'-phosphate	-2.020901082	1.074793181	15.955679	7.728786	16.31071	3.51641288	2.6243808	3.61169701	410	271	542
79970	NR_027788,NR_027789	ZNF767P	zinc finger family member 767, p	-1.288472646	1.074760717	6.031192	4.830696	6.052368	4.34391231	3.99854533	4.44299165	758	786	1002
7095	NM_003262	SEC62	SEC62 homolog, preprotein trans	1.452116847	1.074741355	27.896563	40.554501	28.172375	7.48108076	8.01672881	7.58451019	6975	13533	9220
57035	NM_001321772,NM_020317,NR	RSRP1	arginine and serine rich protein 1	-1.026433766	1.074738311	60.494702	59.718187	66.099294	7.25461217	7.21722067	7.35794233	5956	7753	7873
2767	NM_002067	GNA11	G protein subunit alpha 11	-1.043290597	1.07463115	14.142506	13.570205	14.282004	5.85998825	5.79991918	5.96210866	2241	2870	2962
50937	NM_001243597,NM_016952	CDON	cell adhesion associated, oncoge	1.148813916	1.074517833	6.355278	7.313863	6.42902	5.66953424	5.86601302	5.77126223	1959	3007	2589
79703	NM_001302084,NM_024650	C11orf80	chromosome 11 open reading fra	-1.453174153	1.07449371	15.709266	10.922776	15.872139	5.09545415	4.67519242	5.19619105	1303	1198	1722
80230	NM_001040451,NM_001040452	RUFY1	RUN and FYVE domain containir	1.293592743	1.074468112	16.956176	22.09883	17.233243	5.44821674	5.85132032	5.58961648	1723	2976	2277
79716	NM_001204872,NM_001204873	NPEPL1	aminopeptidase-like 1	1.456329382	1.074458154	18.579307	27.098919	18.754942	5.34095955	5.87213021	5.44210713	1552	3020	2051
127281	NM_001195736,NM_001195737	FAM213B	family with sequence similarity 2	1.009048935	1.074379387	8.412191	8.592154	8.546809	4.57422946	4.58668388	4.67354624	896	1208	1184
152185	NM_001331078,NM_001331079	SPICE1	spindle and centriole associated	1.597629589	1.074342498	3.96482	6.340039	3.98299	4.43336854	5.08417426	4.53220782	809	1727	1069
5588	NM_001242413,NM_001282644	PRKCQ	protein kinase C theta	-1.698250288	1.074240066	0.433281	0.253344	0.437343	1.27880673	0.8787583	1.34055586	56	44	74
23070	NM_015050	CMTR1	cap methyltransferase 1	1.000180566	1.074206406	8.370811	8.38061	8.451358	5.11361143	5.11386441	5.21400945	1320	1764	1744
151556	NM_001033045,NM_001267050	GPR155	G protein-coupled receptor 155	5.728833947	1.074092032	0.096599	0.557139	0.095545	0.77668602	2.35011326	0.82068496	28	215	37
100289373	NR_036531,NR_036532	UBAC2-AS1	UBAC2 antisense RNA 1	2.027537721	1.074092032	0.3997	0.816161	0.405806	0.77668602	1.29208824	0.82068496	28	76	37
23269	NM_001080541,NM_001164273	MGA	MGA, MAX dimerization protein	-1.161615545	1.073886537	5.445315	4.707174	5.493971	6.01690149	5.80435527	6.11821373	2503	2879	3306
36	NM_001330174,NM_001609	ACADSB	acyl-CoA dehydrogenase, short/b	-1.113384316	1.07380959	1.183214	1.064825	1.176196	2.9541672	2.8201133	3.04408938	265	318	350
355	NM_000043,NM_001320619,NM	FAS	Fas cell surface death receptor	-1.775326557	1.073762064	7.384305	4.100913	7.274412	4.83204569	4.04260277	4.93124635	1079	812	1425
2673	NM_001244710,NM_002056	GFPT1	glutamine--fructose-6-phosphate	-1.952381821	1.073531215	10.264021	5.24967	10.338217	6.45120918	5.50154961	6.55244677	3396	2324	4484
84058	NM_001320823,NM_001320824	WDR54	WD repeat domain 54	2.016544	1.073459136	21.657353	43.558792	21.870095	4.64936645	5.6320572	4.7477056	946	2549	1249
3420	NM_001258384,NM_001330763	IDH3B	isocitrate dehydrogenase 3 (NAD	1.493489829	1.073429328	58.722562	87.538629	58.432809	6.42664313	6.9997934	6.52772592	3338	6661	4407
84795	NM_032709	PYROXD2	pyridine nucleotide-disulphide ox	-1.317523065	1.073372154	13.490191	10.245152	13.601658	4.81386993	4.43219317	4.91251987	1065	1080	1406
81855	NM_030971	SFXN3	sideroflexin 3	-1.361780721	1.073343086	18.400322	13.529585	18.56496	5.81696286	5.38067227	5.9173294	2174	2133	2870
178	NM_000028,NM_000642,NM_00	AGL	amylo-alpha-1, 6-glucosidase, 4-	-1.081165485	1.073276475	6.062119	5.623729	6.114429	5.47670971	5.36674241	5.5765281	1709	2112	2256
23043	NM_001161560,NM_001161561	TNIK	TRAF2 and NCK interacting kina	2.074811339	1.07321587	2.606684	4.497524	2.018092	4.28292556	5.29710129	4.3798155	725	2010	957
51507	NM_001283035,NM_001283036	RTFDC1	replication termination factor 2 do	1.103348085	1.073082859	47.11648	51.825593	47.59252	6.26784903	6.40798706	6.36833848	2986	4402	3941
9920	NM_014867	KBTBD11	kelch repeat and BTB domain co	1.226946762	1.073063368	0.194662	0.239004	0.19481	1.18495016	1.3579479	1.24294651	50	82	66
150275	NM_001284263,NM_001284264	CCDC117	coiled-coil domain containing 117	1.316900162	1.072959601	9.754525	13.025502	9.838729	5.28267998	5.67090409	5.38176058	1489	2620	1965
740	NM_004927,NR_037567,NR_03	MRPL49	mitochondrial ribosomal protein L	1.135930956	1.072860933	23.480948	26.981111	23.687251	5.61659238	5.79695418	5.71606286	1887	2864	2490
84920	NM_032834	ALG10	ALG10, alpha-1,2-glucosyltransfe	1.286419418	1.072818163	2.820504	3.640264	2.850553	3.26442151	3.59405489	3.35562963	338	581	446
11278	NM_007249	KLF12	Kruppel like factor 12	-1.101573114	1.072657786	0.854188	0.776853	0.861831	3.33530968	3.21015128	3.42681271	357	433	471
9200	NM_014241	HACD1	3-hydroxyacyl-CoA dehydratase	-1.058652974	1.07252737	20.680286	19.56472	20.848471	4.77278965	4.69364353	4.87024117	1034	1305	1364
8567	NM_001135943,NM_001135944	MADD	MAP kinase activating death dom	-1.405660966	1.072407028	11.831188	8.402802	11.964751	6.08560737	5.60292734	6.18502902	2627	2497	3465
55603	NM_017633	FAM46A	family with sequence similarity 46	1.24301467	1.072362793	1.620506	2.018392	1.633512	3.30216484	3.58720616	3.39308282	348	578	459
10245	NM_001167947,NM_005834	TIMM17B	translocase of inner mitochondria	-1.057939273	1.072276136	25.653973	24.19556	25.7123	4.67835874	4.60035389	4.77524325	966	1220	1274
10289	NM_005875	EIF1B	eukaryotic translation initiation fa	1.279574633	1.072177208	21.812412	27.947247	21.981184	4.49170017	4.83332352	4.58793254	844	1443	1113
613	NM_004327,NM_021574	BCR	BCR, RhoGEF and GTPase activ	1.15548103	1.072036365	11.059439	12.799489	11.146646	6.24040736	6.44633799	6.33948207	2929	4522	3862
4798	NM_001143835,NM_006165	NFKB	nuclear factor related to kappaB	-1.759935483	1.071985134	14.416685	8.198076	14.522101	6.16712953	5.36674241	6.2660695	2782	2112	3668
55857	NM_001163022,NM_001163023	KIZ	kizuna centrosomal protein	1.330144344	1.071974413	3.473864	4.710815	3.570751	3.07682646	3.44545299	3.16560381	292	519	385
3021	NM_005324	H3F3B	H3 histone family member 3B	-1.279221149	1.071869065	362.219971	283.468445	364.847412	9.98012101	9.62525302	10.08015418	39613	41375	52223
27445	NM_014510,NM_033026	PCLO	piccolo presynaptic cytomatrix pr	-2.098872646	1.071724551	0.425245	0.202377	0.428293	3.23349937	2.32288731	3.32316088	330	210	435
9985	NM_001048205,NM_005132	REC8	REC8 meiotic recombination prol	-1.586644963	1.071714752	14.975031	9.476036	15.150281	5.11042377	4.46867267	5.20755546	1317	1109	1736
10857	NM_001282621,NM_006667	PGRMC1	progesterone receptor membran	1.246639008	1.071643701	73.239336	91.137067	73.454949	7.09953794	7.41550464	7.19866181	5345	8903	7045
5087	NM_001204961,NM_001204963	PBX1	PBX homeobox 1	1.717377259	1.071576575	0.994755	1.715649	1.01025	2.93507482	3.63447819	3.02219055	261	599	344
100507398	NR_103812	INTS6-AS1	INTS6 antisense RNA 1	1.207197106	1.071566568	1.443423	1.763448	1.457999	1.08456011	1.23481109	1.13825079	44	71	58

401303	NR_023382	ZNF815P	zinc finger protein 815, pseudoge	1.241216981	1.071220195	0.784772	0.97434	0.790906	1.66222564	1.88281796	1.73094093	85	141	112
56257	NM_001194990,NM_001194991	MEPCE	methylphosphate capping enzym	-1.106897028	1.071066175	19.339466	18.204278	20.508409	5.85364745	5.70978368	5.95104347	2231	2693	2939
29844	NM_001321792,NM_013342	TFPT	TCF3 fusion partner	1.042298407	1.070947217	11.204067	11.851225	11.431196	3.82462152	3.88026307	3.9167669	517	720	681
9487	NM_004278	PIGL	phosphatidylinositol glycan ancho	-1.191870701	1.070932769	8.426439	7.083838	8.492075	3.38891307	3.16180073	3.47865614	372	417	490
55253	NM_018264,NR_134540	TYW1	tRNA-yW synthesizing protein 1 h	-1.177999554	1.070861648	6.563044	5.601448	6.603026	4.48842972	4.26345507	4.58295467	842	955	1109
10675	NM_001206942,NM_001206943	CSPG5	chondroitin sulfate proteoglycan 5	1.62302422	1.070654333	0.473376	0.768474	0.459909	1.03161781	1.43116693	1.08290869	41	89	54
51098	NM_001303458,NM_001303459	IFT52	intraflagellar transport 52	1.606700991	1.070622928	6.990497	11.323475	7.090406	3.94403156	4.59239547	4.03630328	565	1213	744
9209	NM_001134369,NM_001282691	LRRFIP2	LRR binding FLII interacting prote	-1.256074739	1.070520548	14.642785	11.901517	14.667327	5.38471448	5.06458384	5.48075692	1601	1703	2108
5281	NM_002643,NM_173074	PIGF	phosphatidylinositol glycan ancho	-1.090374514	1.070423521	23.7037	21.636472	24.069303	4.66103338	4.54134004	4.75546927	954	1169	1256
65057	NM_001082486,NM_001082487	ACD	ACD, shelterin complex subunit a	1.395961889	1.070410179	18.599228	26.030208	18.742434	5.26367512	5.73427243	5.35937359	1469	2740	1934
11261	NM_007236	CHP1	calcineurin like EF-hand protein 1	-1.475421526	1.070407475	40.680019	27.603683	40.92141	7.00971624	6.45388734	7.10714186	5020	4546	6609
6722	NM_001292001,NM_003131	SRF	serum response factor	-1.018389736	1.070375499	6.891177	7.14433	6.982612	4.87023937	4.84485395	4.96511882	1109	1455	1460
149840	NM_001303477,NM_001303478	C20orf196	chromosome 20 open reading fra	2.092242112	1.070245805	2.037646	3.881873	1.721286	1.59082596	2.38212036	1.65707652	79	221	104
29843	NM_001267594,NM_001267595	SENP1	SUMO1/sentrin specific peptidas	1.206578559	1.070151887	4.397407	5.396547	4.457381	4.48186648	4.74172192	4.5754555	838	1351	1103
80198	NM_001350283,NM_025128,NR	MUS81	MUS81 structure-specific endonu	1.061738334	1.06993622	20.642444	21.955167	20.78303	5.6113401	5.69605597	5.70694011	1880	2667	2474
51031	NM_016080	GLOD4	glyoxalase domain containing 4	-1.019966115	1.069872796	33.71685	33.096989	33.896679	5.93818188	5.91012909	6.03408807	2368	3102	3116
642819	NR_026693	ZNF487	zinc finger protein 487	-1.491934023	1.069666795	0.997906	0.659842	0.992571	1.29387258	0.97983233	1.35230545	57	51	75
4726	NM_004553	NDUFS6	NADH:ubiquinone oxidoreductas	-1.116090036	1.069647295	106.778221	95.766136	107.321304	5.85745527	5.7018798	5.95297396	2237	2678	2943
6730	NM_001260502,NM_001260503	SRP68	signal recognition particle 68	-1.067112883	1.069614956	46.553915	43.322354	47.069921	7.01142618	6.91846161	7.10779184	5026	6293	6612
84952	NM_001252335,NM_032866	CGNL1	cingulin like 1	-2.299402476	1.069598484	0.134532	0.056089	0.135936	0.97665845	0.50527715	1.02535867	38	22	50
5049	NM_001184746,NM_001184747	PAFAH1B2	platelet activating factor acetylhy	-1.072055149	1.069556948	21.494862	20.020063	21.670451	6.42107909	6.32190927	6.51700021	3325	4144	4374
4836	NM_021079	NMT1	N-myristoyltransferase 1	-1.156535246	1.069445198	47.925198	41.482468	48.163567	7.84235858	7.63353034	7.93881404	8971	10364	11800
100874392	NR_046228	ANKRD20A12P	ankyrin repeat domain 20 family r	1.611598014	1.069394354	0.277561	0.456585	0.27736	0.56944351	0.83317479	0.60191771	19	41	25
55140	NM_001284220,NM_001284222	ELP3	elongator acetyltransferase comp	1.266545404	1.069362315	6.438347	8.169287	6.471169	4.40589631	4.7324405	4.49823858	793	1342	1043
55245	NM_001184977,NM_018244,NM	UQCC1	ubiquinol-cytochrome c reductase	1.389924538	1.069360636	18.041992	24.693409	17.933991	5.4348473	5.90049259	5.52943707	1659	3081	2182
55690	NM_018026	PACS1	phosphofurin acidic cluster sortin	1.122382143	1.069351727	8.36162	9.400282	8.40423	5.23273681	5.39512262	5.32698995	1437	2155	1890
404281	NM_206923	YY2	YY2 transcription factor	1.503126486	1.069348263	1.055399	1.589634	1.061719	1.93632435	2.39263351	2.00847214	111	223	146
5931	NM_001198719,NM_002893	RBBP7	RB binding protein 7, chromatin r	1.151434244	1.069304001	62.317124	71.846062	62.630465	6.94855447	7.15045371	7.04447148	4810	7400	6326
3597	NM_001560	IL13RA1	interleukin 13 receptor subunit alp	1.203691433	1.069300647	19.53632	23.545401	19.630524	6.27070749	6.53501627	6.366167	2992	4812	3935
130814	NM_001282710,NM_001282711	PQLC3	PQ loop repeat containing 3	-1.607002115	1.06928029	8.396753	5.284684	8.653102	3.99562384	3.36498779	4.08640889	587	488	772
23078	NM_001009814,NM_015058	VWA8	von Willebrand factor A domain c	1.021573212	1.069240958	2.463644	2.42392	2.674105	4.07407972	4.10306728	4.16512515	622	849	818
9230	NM_004218	RAB11B	RAB11B, member RAS oncogen	1.154482506	1.069214829	44.5611	51.509624	44.787666	6.16303279	6.36758987	6.25828436	2774	4279	3648
3216	NM_018952	HOXB6	homeobox B6	-2.973159567	1.069160322	74.918907	25.221392	75.268784	6.94557632	5.39642914	7.04129937	4800	2157	6312
23049	NM_015092	SMG1	SMG1, nonsense mediated mRN	1.130571347	1.069033426	12.769161	14.453656	12.828233	7.64921614	7.8254402	7.74506027	7842	11846	10311
6878	NM_001190415,NM_005641,NM	TAF6	TATA-box binding protein associ	-1.44891458	1.068972196	22.555224	15.381709	21.84641	5.7806586	5.25738748	5.87519349	2119	1954	2786
400604	NR_038458	TOB1-AS1	TOB1 antisense RNA 1	-1.460697653	1.068508039	1.938367	1.319987	1.94519	1.87753473	1.50084877	1.94780992	105	96	138
100101267	NM_001099415	POM121C	POM121 transmembrane nucleop	-1.289233113	1.068494329	9.935828	7.713913	9.978787	5.85173976	5.49241457	5.94572127	2228	2309	2928
9869	NM_001145415,NM_001243491	SETDB1	SET domain bifurcated 1	1.025631211	1.068307772	14.86524	14.78883	14.791733	5.91034682	5.94626094	6.00414397	2322	3182	3051
7283	NM_001070	TUBG1	tubulin gamma 1	-1.056792594	1.06814786	82.1772	77.844109	82.490608	7.29565343	7.21648115	7.3901805	6129	7749	8052
10844	NM_001256617,NM_001256618	TUBGCP2	tubulin gamma complex associat	1.295396265	1.068012067	11.644203	15.396315	11.876649	5.61958513	5.98629003	5.71264859	1891	3273	2484
138151	NM_144653	NACC2	NACC family member 2	1.162906443	1.067925817	5.282929	6.153012	5.303022	5.19009033	5.40229387	5.28239316	1394	2166	1831
23585	NM_014313	TMEM50A	transmembrane protein 50A	-1.175349745	1.067830238	54.247387	46.208267	54.438881	6.93780422	6.70677045	7.03174097	4774	5427	6270
6683	NM_014946,NM_199436	SPAST	spastin	-1.001010646	1.067669883	4.675054	4.644259	4.660764	4.61977956	4.61838139	4.71053193	926	1236	1216
130271	NM_172069	PLEKHH2	pleckstrin homology, MyTH4 and	-1.309657514	1.067669036	2.423987	1.85326	2.432573	4.12340669	3.75955568	4.21263029	645	658	847
506	NM_001686	ATP5B	ATP synthase, H+ transporting, r	-1.055490281	1.067626161	354.013977	335.7789	355.177612	9.31344866	9.23566084	9.40771199	24940	31571	32749
123016	NM_001288781,NM_001288782	TTC8	tetratricopeptide repeat domain 8	1.394632859	1.067588424	14.018436	19.662721	14.049419	4.9814326	5.44837277	5.07290231	1201	2238	1577
22885	NM_001301015,NM_001301018	ABLIM3	actin binding LIM protein family m	1.357239353	1.06752259	20.334532	27.631485	20.651435	6.37134502	6.8074386	6.46451209	3211	5823	4216
79174	NM_001135101,NM_001284317	CRELD2	cysteine rich with EGF like doma	1.247201363	1.067507762	26.527492	32.977078	26.512348	5.25215086	5.56334327	5.3440084	1457	2428	1913
2011	NM_001039469,NM_001163296	MARK2	microtubule affinity regulating kin	1.147763383	1.067495407	13.386905	15.437952	13.413051	5.92069636	6.11646066	6.01342391	2339	3587	3071
9724	NM_021645	UTP14C	UTP14, small subunit processom	1.150308158	1.067435625	2.233378	2.573997	2.241846	3.70573844	3.89327789	3.7929053	473	727	621
102724316	NR_003930,NR_110920,NR_11(	SVIL-AS1	SVIL antisense RNA 1	1.231062563	1.06740741	6.805839	8.158034	6.593306	3.83495865	4.11581404	3.92268941	521	857	684
9325	NM_001321924,NM_016213,NR	TRIP4	thyroid hormone receptor interact	1.039084091	1.067395246	11.977163	12.356043	11.968052	4.62127341	4.67438529	4.71167259	927	1287	1217
9690	NM_014671	UBE3C	ubiquitin protein ligase E3C	-1.299575811	1.067272918	17.601982	13.557918	17.650913	6.48851955	6.11527096	6.58143848	3486	3584	4576
55233	NM_001317110,NM_001317111	MOB1A	MOB kinase activator 1A	1.168207709	1.06724833	31.528535	36.912491	31.583339	7.24446976	7.46739973	7.33776775	5914	9231	7763
8409	NM_004182,NM_153477,NR_04	UXT	ubiquitously expressed prefoldin	1.090150789	1.067116247	23.437803	26.211892	24.345157	3.97005831	4.08697381	4.05799054	576	839	756
85236	NM_001312653,NM_080593	HIST1H2BK	histone cluster 1 H2B family mem	1.426016021	1.066858241	106.237406	151.619984	106.492403	6.45372678	6.9608049	6.54606638	3402	6482	4464
2820	NM_000408,NM_001083112	GPD2	glycerol-3-phosphate dehydroger	-1.03516286	1.066834686	13.838954	13.242486	13.974067	6.33493591	6.28570472	6.42715568	3130	4040	4107
121268	NM_001303126,NM_144593,NR	RHEBL1	Ras homolog enriched in brain lik	-1.328842663	1.066820808	4.060718	2.978796	4.018096	2.53954085	2.20853486	2.6172769	189	190	248
54442	NM_018992	KCTD5	potassium channel tetramerizatio	1.185907042	1.066750627	24.436651	29.014553	24.498745	5.89745874	6.13966094	5.98917078	2301	3646	3019
8891	NM_001166588,NM_001261418	EIF2B3	eukaryotic translation initiation fa	1.17322408	1.066740661	8.964352	10.694198	9.124449	4.18126603	4.39998757	4.26950586	673	1055	883
133	NM_001124	ADM	adrenomedullin	1.358472928	1.06668658	41.824322	56.87228	41.919968	6.03886537	6.47506509	6.13063316	2542	4614	3335
677839	NR_003017	SNORA71C	small nucleolar RNA, H/ACA box	1.121836775	1.066662213	2.918696	3.393508	3.031654	0.49317359	0.54351856	0.52094563	16	24	21
1024	NM_001260,NM_001318368,NM	CDK8	cyclin dependent kinase 8	1.078176415	1.066613861	5.16866	5.53938	5.15169	4.03874269	4.14097459	4.12630381	606	873	795
6217	NM_001020,NM_001321111	RPS16	ribosomal protein S16	-1.197252616	1.066607354	592.139263	496.378193	591.795549	8.65494712	8.39592343	8.74775342	15786	17617	20709
107133515	NR_015341	LOC107133515	SMURF2P1-LRRC37BP1 readth	-1.096918734	1.066516979	6.679887	6.094721	6.695547	4.94967876	4.82072735	5.03967945	1174	1430	1540
1375	NM_001145134,NM_001145135	CPT1B	carnitine palmitoyltransferase 1B	-1.123098456	1.066105402	15.330321	13.876997	15.512793	5.42290482	5.25954295	5.51317412	1645	1957	2157
9212	NM_001256834,NM_001284526	AURKB	aurora kinase B	-1.055723608	1.066044552	55.929981	54.098507	56.100091	6.11241148	6.03533764	6.20339046	2677	3388	3510
1374	NM_001031847,NM_001876	CPT1A	carnitine palmitoyltransferase 1A	-1.088368177	1.065945949	15.83695	14.749118	15.825841	6.33993461	6.21933662	6.43096978	3141	3856	4118
7286	NM_001126337,NM_001301317	TUFT1	tuftelin 1	1.332753795	1.065876492	19.877966	26.01688	20.575575	5.95664189	6.36525647	6.04724983	2399	4272	3145
50626	NM_001129888,NM_001330618	CYHR1	cysteine and histidine rich 1	1.107987377	1.065818639	23.391769	28.587791	24.497504	5.41345159	5.55809913	5.50332763	1634	2419	2142
55825	NM_018441	PECR	peroxisomal trans-2-enoyl-CoA re	1.063638123	1.065739314	6.196291	6.590591	6.199959	3.62166181	3.70365887	3.70628928	444	631	582
8636	NM_003731	SSNA1	SS nuclear autoantigen 1	1.133072247	1.065638873	40.880833	46.388161	40.950909	5.26558691	5.44142749	5.35500021	1471	2227	1928
11068	NM_001291284,NM_007022,NR	CYB561D2	cytochrome b561 family member	-1.011581899	1.06554334	5.838894	5.962045	6.111755	3.08117507	3.06652959	3.16227031	293	387	384
5747	NM_001199649,NM_001316342	PTK2	protein tyrosine kinase 2	-1.022691183	1.065474881	37.440151	36.649329	37.532045	7.38344285	7.3512678	7.47440988	6516	8513	8539
9797	NM_014760	TATDN2	TatD DNase domain containing 2	1.193549809	1.065472767	4.272948	5.107283	4.278542	4.42141376	4.66574286	4.5087761	802	1279	1051
4588	NM_005961	MUC6	mucin 6, oligomeric mucus/gel-fo	-63.09936704	1.065351781	0.947473	0.013992	0.947405	3.06808971	0.15624221	3.14885876	290	6	380
7417	NM_001184783,NM_001184823	VDAC2	voltage dependent anion channel	-1.405851173	1.065191638	105.570211	76.277392	103.432288	7.28603192	6.79832467	7.37658069	6088	5786	7976
9757	NM_014727	KMT2B	lysine methyltransferase 2B	-1.162816326	1.065021559	11.997677	10.327421	12.006062	6.6432105	6.42792896	6.7332142	3885	4464	5089
126321	NM_001287529,NM_174983	MFSD12	major facilitator superfamily doma	1.287970893	1.064865536	11.597051	14.943971	11.596745	4.64936645	5.00159078	4.73654166	946	1628	1239
56929	NM_020177	FEM1C	fem-1 homolog C	-1.158460314	1.064796239	7.659144	6.61883	7.661897	5.47092159	5.26384425	5.55952381	1702	1963	2229
51366	NM_001282873,NM_015902	UBR5	ubiquitin protein ligase E3 compo	-1.03940199	1.06479087	19.805165	19.0766	19.818683	7.7201174	7.66463251	7.81027231	8239	10591	10790
54993	NM_001007072,NM_017894,NM	ZSCAN2	zinc finger and SCAN domain co	1.42540877	1.064680741	3.633582	5.543252	2.809718	2.89117014	3.34347295	2.96976228	252	480	330
5089	NM_002586	PBX2	PBX homeobox 2	-1.025890291	1.064541115	20.00153	19.519924	20.006931	5.99055812	5.95426739	6.0794174	2457	3200	3217
56267	NM_001008661,NM_001008662	KYAT3	kynurenine aminotransferase 3	-1.176312312	1.064510828	17.659063	14.615846	17.771226	5.09545415	4.8685837	5.18309257	1303	1480	1706
6767	NM_001278589,NM_003932	ST13	ST13, Hsp70 interacting protein	-1.43467461	1.064412437	34.466837	24.089162	34.474994	6.92031409	6.40474465	7.00965244	4716	4392	6174
5562	NM_006251,NM_206907	PRKAA1	protein kinase AMP-activated cat	2.200537399	1.064394453	5.151118	11.380596	5.154621	4.73465189	5.8427199	4.82141214	1006	2958	1317
163590	NM_001199260,NM_001349931	TOR1AIP2	torsin 1A interacting protein 2	1.029056981	1.064387399	14.849839	15.518521	15.018575	6.9184926	6.9594796	7.00779638	4710	6476	6166
8031	NM_001145260,NM_001145261	NCOA4	nuclear receptor coactivator 4	-1.270658678	1.064341869	31.172718	24.529978	31.265876	6.76545159	6.42344998	6.85461363	4232	4450	5540
128061	NM_001300830,NM_152379	C1orf131	chromosome 1 open reading fran	1.297911158	1.064314253	9.194917	11.953505	9.196053	3.80108857	4.15339221	3.88476293	508	881	665
57599	NM_001303402,NM_001303403	WDR48	WD repeat domain 48	1.14030247	1.064286368	6.079566	7.02993	6.100664	4.62871952	4.81096259	4.71508918	932	1420	1220
9721	NM_014696	GPRIN2	G protein regulated inducer of ne	-1.020608098	1.064226628	0.781756	0.771298	0.787879	1.26358189	1.24644988	1.31676564	55	72	72
5318	NM_001005242,NM_004572	PKP2	plakophilin 2	-3.667340926	1.064189705	15.232521	4.151139	15.231407	6.02030239	4.20351422	6.10872026	2509	914	3284
79864	NM_024806,NM_199124	C11orf63	chromosome 11 open reading fra	-2.284538437	1.064113727	2.616106	1.116872	2.457425	2.98698269	2.01116974	3.06566078	272	159	356
55070	NM_001144074,NM_001321594	DET1	de-etiolated homolog 1 (Arabidop	1.074878918	1.064011743	1.755394	1.271751	1.557262	2.26158951	2.34470901	2.3329413	149	214	195
259173	NM_001190707,NM_147129,NR	ALS2CL	ALS2 C-terminal like	1.302297119	1.063980144	29.920801	38.860557	29.387764	7.32299179	7.70196312	7.41192266	6247	10870	8175
9860	NM_001312686,NM_014813	LRIG2	leucine rich repeats and immuno	-1.177503706	1.063900466	7.362612	6.260943	7.357644	5.06723449	4.83910025	5.15401818	1277	1449	1671
6897	NM_001258437,NM_001258438	TARS	threonyl-tRNA synthetase	1.512979166	1.063861642	55.137448	85.803326	54.490065	7.273736	7.86797226	7.36248838	6036	12202	7898
84964	NM_001297701,NM_032878,NM	ALKBH6	alkB homolog 6	1.083146508	1.063627508	15.429772	16.721454	15.465	4.01847853	4.12687582	4.10215159	597	864	781
8631	NM_001075099,NM_003726	SKAP1	src kinase associated phosphopr	-5.68881009	1.063601098	16.040987	2.806956	16.048611	4.67979317	2.41343275	4.76539014	967	227	1265

6574	NM_005415	SLC20A1	solute carrier family 20 member 1	1.275387749	1.06336324	155.652969	198.740829	155.539688	9.00222705	9.35255702	9.09069438	20093	34240	26279
79770	NM_001350735,NM_024715	TXNDC15	thioredoxin domain containing 15	1.282617854	1.063254473	11.541494	14.823019	11.539766	5.40826906	5.7598759	5.4947393	1628	2790	2129
4637	NM_021019,NM_079423	MYL6	myosin light chain 6	-1.052221752	1.063234829	561.217315	532.956543	564.567139	8.749678	8.67641376	8.83793948	16860	21409	22048
5287	NM_002646	PIK3C2B	phosphatidylinositol-4-phosphate	-1.747952929	1.063119294	4.495446	2.572967	4.489323	5.09974705	4.32512669	5.18555761	1307	999	1709
5740	NM_000961	PTGIS	prostaglandin I2 synthase	-2.309703154	1.063084403	0.242056	0.101454	0.240451	1.21691895	0.65251278	1.26797492	52	30	68
6175	NM_001002,NM_053275	RPLP0	ribosomal protein lateral stalk sub	-1.15087704	1.062974258	931.676545	810.366485	928.901932	10.1057936	9.90325688	10.19382291	43222	50179	56508
51380	NM_001244705,NM_001244706	CSAD	cysteine sulfinic acid decarboxyla	-1.274804187	1.062965772	21.291998	17.142243	22.380911	5.50773204	5.16612031	5.59395302	1747	1831	2284
9643	NM_001142418,NM_001142419	MORF4L2	mortality factor 4 like 2	1.05731035	1.062913702	220.239031	234.066215	219.727326	8.72209754	8.80231176	8.80992036	16540	23366	21623
51706	NM_016243	CYB5R1	cytochrome b5 reductase 1	-1.018269454	1.062912843	19.781538	19.457588	19.758238	5.02947882	5.00416403	5.11489271	1243	1631	1625
219988	NM_152716	PATL1	PAT1 homolog 1, processing bod	1.156366828	1.062856555	23.002127	26.628147	22.97513	6.54588578	6.75340116	6.63292185	3629	5607	4744
1571	NM_000773	CYP2E1	cytochrome P450 family 2 subfar	-1.571623368	1.062679866	0.204017	0.125969	0.192317	0.41264541	0.27464693	0.43515728	13	11	17
406962	NR_029707	MIR186	microRNA 186	-1.15648108	1.062679866	3.894373	3.40986	3.723349	0.41264541	0.36283659	0.43515728	13	15	17
2212	NM_001136219,NM_021642	FCGR2A	Fc fragment of IgG receptor IIa	-1.021559294	1.062679866	0.134896	0.132913	0.139689	0.41264541	0.40498891	0.43515728	13	17	17
735301	NR_003142	SNHG9	small nucleolar RNA host gene 9	-1.008719881	1.062610222	12.781038	12.689037	12.698956	1.96494452	1.95552917	2.03057861	114	151	149
55893	NM_018660	ZNF395	zinc finger protein 395	1.312073239	1.062588614	6.529925	8.577106	6.521813	4.97910428	5.36006158	5.06399834	1199	2102	1567
25917	NM_001114092,NM_015453	THUMPD3	THUMP domain containing 3	-1.044027862	1.062398492	8.237826	7.853168	8.184245	5.01022388	4.9500279	5.09492475	1226	1569	1602
7112	NM_001032283,NM_001032284	TMPO	thymopoietin	-1.165415637	1.062324772	39.789394	34.005683	39.736518	7.28485417	7.06553497	7.37153773	6083	6974	7948
353116	NM_001319243,NM_001319244	RILPL1	Rab interacting lysosomal protein	1.12498421	1.062324392	6.081035	6.609368	5.862968	4.10430518	4.26488638	4.18661421	636	956	831
51090	NM_015993	PLLP	plasmolipin	1.527354816	1.061708131	2.962754	4.542688	2.954938	2.41415945	2.92884759	2.48477392	170	347	222
1155	NM_001281,NM_001300971	TBCB	tubulin folding cofactor B	-1.434502021	1.06154935	47.099549	32.486707	46.734475	6.08398318	5.57261939	6.16892453	2624	2444	3426
29796	NM_001003684,NM_013387	UQCR10	ubiquinol-cytochrome c reductase	-1.148124767	1.061515581	52.706419	46.004308	52.736605	5.60757673	5.41266157	5.69199148	1875	2182	2448
8766	NM_001206836,NM_004663	RAB11A	RAB11A, member RAS oncogene	-1.398955015	1.061515539	43.245857	30.945339	43.140856	7.70417055	7.22257085	7.78989622	8148	7782	10638
84293	NM_001243778,NM_001243779	FAM213A	family with sequence similarity 2	-2.551742864	1.061448091	22.118131	8.573776	22.147112	5.27984516	3.98471399	5.36373375	1486	778	1940
440307	NR_104604	TTLL13P	tubulin tyrosine ligase like 13, ps	-1.298856025	1.061292248	0.510672	0.400879	0.516799	0.93882015	0.77006602	0.98063768	36	37	47
2649	NM_001278546,NM_001489,NM	NR6A1	nuclear receptor subfamily 6 grou	1.244552192	1.061290962	3.617041	4.501094	3.603139	4.69263929	4.99729182	4.77524325	976	1623	1274
54620	NM_001099784,NM_001282351	FBXL19	F-box and leucine rich repeat pro	3.552348893	1.061195488	4.494188	15.979095	4.480202	4.13809052	5.90692407	4.21906166	652	3095	851
55729	NM_001286514,NM_001286515	ATF7IP	activating transcription factor 7 in	-1.098011542	1.060722383	13.055531	11.884149	13.624423	6.78290947	6.64929626	6.86720853	4284	5213	5589
115426	NM_152896,NR_046386	UHRF2	ubiquitin like with PHD and ring fi	1.062664938	1.060703306	14.853495	15.823275	14.820921	5.7441029	5.83020585	5.82758721	2065	2932	2694
989	NM_001011553,NM_001242956	SEPT7	septin 7	-1.039497595	1.060652606	40.8731	38.97468	40.657752	7.42872196	7.37316534	7.51319663	6725	8644	8773
819	NM_001745	CAMLG	calcium modulating ligand	-1.144302261	1.060468899	14.334274	12.544094	14.289444	5.01364054	4.82558505	5.09579869	1229	1435	1603
345462	NM_001136116	ZNF879	zinc finger protein 879	1.062896306	1.060403035	0.688916	0.735161	0.684042	1.46336426	1.52015496	1.51794971	69	98	90
138639	NM_001253829,NM_001253830	PTPDC1	protein tyrosine phosphatase dor	1.441710153	1.06034449	4.210875	6.06911	4.172029	4.27345604	4.77826176	4.35374951	720	1387	939
7776	NM_001306089,NM_007345	ZNF236	zinc finger protein 236	-1.277402175	1.06009122	5.60473	4.392119	5.651196	5.50287791	5.15844008	5.58526687	1741	1821	2270
66036	NM_015458	MTMR9	myotubularin related protein 9	1.274413641	1.060076828	2.11496	2.698658	2.105823	4.02300634	4.35365666	4.10215159	599	1020	781
23011	NM_014999	RAB21	RAB21, member RAS oncogene	-1.024820348	1.060020691	6.200174	6.058163	6.177429	5.7502602	5.71555246	5.83283856	2074	2704	2704
221749	NM_183373	PXDC1	PX domain containing 1	-1.506371963	1.059727576	6.633585	4.410219	6.607582	3.92480368	3.38091595	4.00314859	557	494	726
27112	NM_015686	FAM155B	family with sequence similarity 15	1.177099668	1.059631679	0.579285	0.681944	0.575491	1.70793493	1.87534115	1.76650173	89	140	116
9785	NM_014003	DHX38	DEAH-box helicase 38	-1.017972225	1.059338364	33.599308	33.045303	33.447063	7.19692379	7.17140181	7.27953794	5721	7509	7454
22823	NM_001164391,NM_001164392	MTF2	metal response element binding t	1.171487511	1.059085154	12.096132	14.204593	12.012978	5.60908326	5.83310336	5.69025663	1877	2938	2445
10111	NM_005732	RAD50	RAD50 double strand break repa	-1.037137433	1.058992049	17.015663	16.423529	16.932924	6.78524352	6.7331208	6.86720853	4291	5528	5589
53344	NM_001039840,NM_001300884	CHIC1	cysteine rich hydrophobic domair	1.125734335	1.058978439	2.736103	3.086462	2.725209	4.28103662	4.44361342	4.35958279	724	1089	943
55152	NM_001009996,NM_001276405	DALRD3	DALR anticodon binding domain	-1.085074878	1.058774144	7.914054	7.289718	7.880671	3.8730763	3.76361129	3.95001076	536	660	698
5298	NM_001198773,NM_001198774	PI4KB	phosphatidylinositol 4-kinase bet	1.003660684	1.058728178	9.705152	9.931138	9.683396	5.31072594	5.31586533	5.39104626	1519	2037	1978
23300	NM_001300728,NM_015251	ATMIN	ATM interactor	1.021369791	1.058668702	16.963812	17.465359	16.841238	6.3431066	6.37324105	6.42437545	3148	4296	4099
51660	NM_001270879,NM_016098,NR	MPC1	mitochondrial pyruvate carrier 1	-1.426437182	1.058665747	7.765349	5.402248	7.756566	3.23740108	3.31117052	3.31170852	331	310	431
6809	NM_001178040,NM_004177	STX3	syntaxin 3	1.040991276	1.058606327	5.589926	5.845751	5.625227	5.17998922	5.23698356	5.25956683	1384	1925	1802
83931	NM_001282546,NM_001282547	STK40	serine/threonine kinase 40	1.068754942	1.058514183	12.347563	13.111393	12.114989	5.49312037	5.58699495	5.57339425	1729	2469	2251
51465	NM_016021	UBE2J1	ubiquitin conjugating enzyme E2	1.091980158	1.058456273	7.202699	7.874583	7.166873	4.97560474	5.09869445	5.05503907	1196	1745	1557
54942	NM_017832	FAM206A	family with sequence similarity 20	1.235562956	1.058443474	8.972197	11.105513	8.928965	4.14641466	4.43600998	4.22386645	656	1083	854
63929	NM_001204827,NM_022098	XPNPEP3	X-prolyl aminopeptidase 3	1.024389873	1.058319698	3.893056	3.666617	2.823814	4.26583542	4.29881852	4.34348418	716	980	932
137886	NM_001077619,NM_001330535	UBXN2B	UBX domain protein 2B	1.126573482	1.058209724	7.494972	8.62091	7.193893	5.02271227	5.18967248	5.10190152	1237	1862	1610
92922	NM_033212	CCDC102A	coiled-coil domain containing 102	1.28074853	1.058206651	4.172513	5.357648	4.151739	3.44397655	3.77168848	3.51830855	388	664	505
8793	NM_003840	TNFRSF10D	TNF receptor superfamily membe	1.66495855	1.058134638	6.646038	11.078372	6.607172	4.57884974	5.29008925	4.65706199	899	2000	1170
55791	NM_001006945,NM_018372	LRIF1	ligand dependent nuclear recepto	1.024509686	1.058007932	26.704421	23.493641	25.021144	5.76857599	5.80287809	5.84847888	2101	2876	2734
4257	NM_001260511,NM_001260512	MGST1	microsomal glutathione S-transfe	1.154360075	1.057989003	385.114359	445.669253	383.019375	8.44744762	8.6539897	8.52854636	13666	21078	17783
80095	NM_001348022,NM_001348023	ZNF606	zinc finger protein 606	-1.035105115	1.057921585	4.337383	4.183695	4.294007	4.18329013	4.13629029	4.26018095	674	870	877
29882	NM_013366	ANAPC2	anaphase promoting complex sul	1.256237073	1.057887023	20.463194	25.729187	20.341557	5.77597182	6.09971488	5.85572008	2112	3545	2748
91647	NM_145691	ATPAF2	ATP synthase mitochondrial F1 c	-1.014714739	1.057687335	7.441808	7.340291	7.399388	3.61567874	3.59633059	3.69017701	442	582	575
2972	NM_001242786,NM_001242787	BRF1	BRF1, RNA polymerase III transc	1.22499551	1.057674279	13.423084	16.324705	13.758873	5.57171277	5.85892233	5.65095789	1828	2992	2378
64747	NM_001167903,NM_001289406	MFSD1	major facilitator superfamily dom	1.118547909	1.057579921	26.286293	29.436494	26.121212	5.94177327	6.10091747	6.0212652	2374	3548	3088
2583	NM_001276468,NM_001276469	B4GALNT1	beta-1,4-N-acetyl-galactosaminyl	-2.00243557	1.057574713	1.327288	0.541187	1.371007	2.04717061	1.3579479	2.10855534	123	82	160
83989	NM_001163417,NM_001163418	FAM172A	family with sequence similarity 17	1.118369044	1.057420281	4.046454	4.457863	3.971846	4.23884171	4.39215006	4.31524723	702	1049	913
4756	NM_001172623,NM_001172624	NEO1	neogenin 1	2.342673513	1.057375315	0.675339	1.584017	0.666099	2.50111114	3.57571888	2.56774382	183	573	238
23787	NM_001271641,NM_014341,NR	MTCH1	mitochondrial carrier 1	1.057952985	1.057267555	36.752849	38.670374	36.365915	6.37356266	6.45388734	6.4529631	3216	4546	4182
51428	NM_001321732,NM_001321830	DDX41	DEAD-box helicase 41	1.173228122	1.057158768	33.596821	39.414371	34.641635	6.42920394	6.65722024	6.50849312	3344	5242	4348
4207	NM_005919,NR_027307,NR_02	BORCS8-MEF2B	BORCS8-MEF2B readthrough	1.051137532	1.057152025	4.865354	5.181714	4.851857	3.49375703	3.55948145	3.56701931	403	566	524
30011	NM_001024666,NM_001184960	SH3KBP1	SH3 domain containing kinase bi	-1.307432832	1.05712559	32.140062	24.626602	31.433478	7.02107776	6.63774244	7.1006259	5060	5171	6579
5584	NM_002740	PRKCI	protein kinase C iota	-1.095990773	1.057069433	20.753838	18.957144	20.615108	6.63952946	6.50867837	6.7188204	3875	4724	5038
84938	NM_032852,NM_178221	ATG4C	autophagy related 4C cysteine pe	-1.142814689	1.056655582	5.219103	4.592902	5.232682	3.89300127	3.71417485	3.96730515	544	636	707
100113393	NR_003695	SNORD12B	small nucleolar RNA, C/D box 12	1.419779319	1.056648628	4.828381	7.193982	5.007153	0.59399636	0.7861039	0.62147005	20	38	26
3651	NM_000209	PDX1	pancreatic and duodenal homeot	1.196443995	1.056648628	0.203252	0.243481	0.198673	0.59399636	0.68708806	0.62147005	20	32	26
9761	NM_001303627,NM_001303628	MLEC	malectin	-1.025784984	1.056463767	29.968805	29.25366	29.760539	7.54544126	7.50891147	7.62427292	7295	9502	9479
441208	NR_003502	ZNRF2P1	zinc and ring finger 2 pseudogen	-1.331384061	1.056334602	0.12862	0.091479	0.120812	0.3273552	0.25173066	0.34394329	10	10	13
579	NM_001189	NKX3-2	NK3 homeobox 2	1.491607957	1.056334602	0.116508	0.17459	0.107032	0.3273552	0.46599441	0.34394329	10	20	13
3978	NM_000234,NM_001289063,NM	LIG1	DNA ligase 1	1.087004034	1.056277518	23.148577	27.14887	24.358747	6.46666486	6.58571949	6.54478691	3433	4986	4460
25941	NM_001271949,NM_001271950	TPGS2	tubulin polyglutamylase complex	-1.069967336	1.056222922	11.602957	9.898793	11.623993	4.71659644	4.62285328	4.79259544	993	1240	1290
10422	NM_016172	UBAC1	UBA domain containing 1	1.086328736	1.05604693	19.9242	21.667477	19.766583	5.21800288	5.33438944	5.29462408	1422	2064	1847
4192	NM_001012333,NM_001012334	MDK	midkine (neurite growth-promotin	-1.917149047	1.055940997	121.525343	65.34424	132.359623	6.88654921	5.9586963	6.96443417	4606	3210	5982
5431	NM_000938,NM_001303268,NM	POLR2B	RNA polymerase II subunit B	1.046404942	1.055790214	40.085951	43.633479	40.298442	7.33442139	7.39946725	7.4122735	6297	8804	8177
283149	NM_182557	BCL9L	B-cell CLL/lymphoma 9 like	-1.764796824	1.055786142	31.232506	17.714884	30.985722	7.88448861	7.0696356	7.96248454	9238	6994	11996
9320	NM_001284214,NM_001284215	TRIP12	thyroid hormone receptor interact	1.181750861	1.055733809	21.134296	25.097697	21.024008	7.68751079	7.92736288	7.76538846	8054	12717	10458
6945	NM_170607,NM_198204,NM_19	MLX	MLX, MAX dimerization protein	-1.08946266	1.055721699	28.102812	25.599186	27.620569	6.04500033	5.92333168	6.12207949	2553	3131	3315
1622	NM_001079862,NM_001079863	DBI	diazepam binding inhibitor, acyl-C	-1.192928932	1.055700194	216.312568	181.611671	215.193733	7.06207917	6.80964682	7.13971124	5207	5832	6761
401265	NM_001003760	KLHL31	kelch like family member 31	1.250713852	1.05565953	0.304711	0.381897	0.302421	1.43646263	1.64851465	1.4863075	67	112	87
102724560	NM_001321073	CBSL	cystathionine-beta-synthase like	-1.089909978	1.055604529	1.354281	1.249155	1.348614	2.05603457	1.96260273	2.11576522	124	152	161
266655	NR_015427	LINC00094	long intergenic non-protein codin	1.901737225	1.05540601	2.15444	4.106283	2.139975	3.70573844	4.5798	3.77773686	473	1202	614
84181	NM_032221	CHD6	chromodomain helicase DNA bin	1.253540551	1.055169247	6.465169	8.112336	6.410186	6.11028539	6.43207559	6.18667065	2673	4477	3469
81928	NM_031215	CABLES2	Cdk5 and Abl enzyme substrate 2	1.083779947	1.054760006	4.854564	5.27116	4.81209	4.24078667	4.3509637	4.31374565	703	1018	912
6659	NM_003107	SOX4	SRY-box 4	-1.065422237	1.054752149	1.982123	1.862535	1.9637	3.38187998	3.29945612	3.45160249	370	464	480
4267	NM_001122898_chrX,NM_0011	CD99	CD99 molecule (Xg blood group)	2.236619805	1.054690668	6.901778	15.875314	7.150613	3.34619087	4.42708835	3.4156568	360	1076	467
171022	NR_026690	ABHD11-AS1	ABHD11 antisense RNA 1 (tail to	-4.91565869	1.054685889	4.078099	0.80051	4.025016	1.5285023	0.46599441	1.57922529	74	20	96
339524	NR_026985,NR_026986,NR_02	LINC01140	long intergenic non-protein codin	-1.542467578	1.05460329	0.388535	0.219707	0.375732	0.95786335	0.68708806	0.99569924	37	32	48
93343	NM_001304547,NM_138401	MVB12A	multivesicular body subunit 12A	-1.168674117	1.054431612	19.042601	16.529793	18.911133	4.80863452	4.59239547	4.88244775	1061	1213	1376
283450	NM_001109662	HECTD4	HECT domain E3 ubiquitin protei	-1.182936207	1.054348827	6.314316	5.344759	6.257676	6.58507119	6.34543779	6.66065085	3730	4213	4837
51647	NM_016062,NR_024525,NR_04	FAM96B	family with sequence similarity 96	1.018693092	1.054261293	88.799728	90.82463	88.547834	5.97895271	6.00525353	6.05401081	2437	3317	3160
79074	NM_001286537,NM_024093	C2orf49	chromosome 2 open reading fran	1.237965517	1.054210855	6.234667	7.718741	6.179423	4.77413325	5.07196145	4.84759061	1035	1712	1342
3654	NM_001025242,NM_001025243	IRAK1	interleukin 1 receptor associated	1.360402188	1.054165099	47.293019	64.28106	46.773515	7.36148853	7.80320207	7.43713981	6417	11664	8320
10400	NM_001267551,NM_001267552	PEMT	phosphatidylethanolamine N-met	1.089003997	1.054000876	13.510687	14.729981	13.476152	3.84009957	3.95487459	3.91081999	523	761	678
57688	NM_020928	ZSWIM6	zinc finger SWIM-type containing	1.11160598	1.053992917	6.765015	7.531364	6.704772	5.21997612	5.36874065	5.29386268	1424	2115	1846

55257	NM_018270,NR_136405	MRGBP	MRG domain binding protein	1.164698246	1.053815395	23.955047	27.902052	23.788877	6.08939006	6.30635522	6.16393291	2634	4099	3414
26820	NR_002447	SNORD24	small nucleolar RNA, C/D box 24	1.163583	1.053731766	9.169397	10.883751	9.214393	0.7550755	0.84852988	0.78645063	27	42	35
4065	NM_002349	LY75	lymphocyte antigen 75	1.030472629	1.053536484	3.585831	3.698146	3.5491	4.65521171	4.69682839	4.72754788	950	1308	1231
80021	NM_001347004,NM_001347005	TMEM62	transmembrane protein 62	-1.391851862	1.053375585	9.907043	7.240735	9.610823	4.72356761	4.26774474	4.79582587	998	958	1293
23241	NM_001100913,NM_001243127	PACS2	phosphofurin acidic cluster sortin	1.160895083	1.0533567	8.154407	9.485429	8.086795	5.7502602	5.96178846	5.82389986	2074	3217	2687
23660	NM_001318082,NM_001318083	ZKSCAN5	zinc finger with KRAB and SCAN	-1.345803147	1.053330146	5.304682	4.00432	5.244638	4.46698912	4.0608449	4.53864966	829	823	1074
7368	NM_001128174,NM_001322112	UGT8	UDP glycosyltransferase 8	1.244469558	1.05317992	8.157034	10.16809	8.02339	5.08141332	5.38857221	5.15401818	1290	2145	1671
166785	NM_172250	MMAA	methylmalonic aciduria (cobalam	-1.400392761	1.052817743	0.95389	0.679999	0.944529	2.70647097	2.30630165	2.7696269	217	207	281
7629	NM_001292032,NM_003427	ZNF76	zinc finger protein 76	1.065129016	1.052689538	10.258407	11.020547	10.119023	4.76470172	4.85249002	4.83613057	1028	1463	1331
3219	NM_024017	HOXB9	homeobox B9	-1.587262233	1.052664698	24.917202	15.711846	24.651972	6.05553602	5.40164341	6.12849949	2572	2165	3330
84708	NM_001126328,NM_032622	LNX1	ligand of numb-protein X 1	1.221005411	1.052655889	1.597833	1.951741	1.578518	2.54584744	2.78861701	2.6075054	190	310	246
23484	NM_001128208,NM_015344	LEPROTL1	leptin receptor overlapping transc	-1.036669141	1.052518779	13.970067	13.810457	14.263685	5.20511061	5.15458457	5.27700936	1409	1816	1824
1315	NM_144061,NM_001144062	COPB1	coatomer protein complex subun	-1.444355385	1.052517646	89.17414	61.724355	88.114627	8.24395347	7.715635	8.31756109	11863	10974	15357
55844	NM_001291310,NM_018461,NR	PPP2R2D	protein phosphatase 2 regulatory	1.122644461	1.052495628	9.279803	10.415915	9.183747	5.56551847	5.72909676	5.6378168	1820	2730	2356
117143	NM_053053	TADA1	transcriptional adaptor 1	-1.186902899	1.052241491	8.427629	7.108541	8.331592	4.28103662	4.04760082	4.35082401	724	815	937
10081	NM_005707	PDCD7	programmed cell death 7	-1.085811952	1.052229593	8.351817	7.701955	8.262979	4.59718428	4.48350191	4.66768061	911	1121	1179
3268	NM_006076	AGFG2	ArfGAP with FG repeats 2	-1.168084023	1.05216441	1.660684	1.422588	1.642238	3.13654562	2.93964205	3.20177275	306	350	396
22907	NM_001330990,NM_014966,NM	DHX30	DExH-box helicase 30	1.172908138	1.05166142	17.294013	19.54783	16.88279	6.05774429	6.28464676	6.12935334	2576	4037	3332
54858	NM_001300927,NM_001308366	PGPEP1	pyroglutamyl-peptidase I	-1.621600681	1.051659471	5.496525	3.618204	5.390052	5.17592889	4.50304006	5.24664042	1380	1137	1785
56474	NM_001144002,NM_019857,NM	CTPS2	CTP synthase 2	1.065528135	1.051403652	3.354764	3.517422	3.237783	3.7744826	3.859571	3.84165053	498	709	644
112483	NM_001320845,NM_001320846	SAT2	spermidine/spermine N1-acetyltr	-1.038055922	1.051319775	13.53402	13.236682	13.580727	3.79315817	3.74321825	3.86028525	505	650	653
11257	NR_015381	TP53TG1	TP53 target 1 (non-protein codin	-1.817401461	1.051266993	7.899822	4.342062	7.833615	2.69516719	2.0043309	2.75642288	215	158	278
10312	NM_001351059,NM_006019,NM	TCIRG1	T-cell immune regulator 1, ATPa	-1.01697955	1.051101895	98.45658	96.743872	97.60153	7.9264809	7.90229065	7.99809592	9512	12497	12297
55125	NM_032142	CEP192	centrosomal protein 192	-1.138756013	1.050951421	10.198461	8.965776	10.073993	6.32580276	6.14083071	6.39662902	3110	3649	4020
25820	NM_005744	ARIH1	ariadne RBR E3 ubiquitin protein	1.040775402	1.050900279	12.088078	12.597071	11.939532	5.97311481	6.02987599	6.04363098	2427	3375	3137
79591	NM_024541	C10orf76	chromosome 10 open reading fra	-1.145913309	1.050897432	4.530449	3.958387	4.477249	4.25625269	4.07069878	4.32422401	711	829	919
3108	NM_006120	HLA-DMA	major histocompatibility complex,	-1.079044321	1.050810873	16.322577	15.148175	16.139198	4.23689412	4.13315895	4.30470323	701	868	906
93100	NM_001286829,NM_145201	NAPRT	nicotinate phosphoribosyltransfe	-1.4884328	1.050792888	110.600337	74.390699	109.209992	7.5250369	6.9550531	7.59613765	7192	6456	9295
79370	NM_030766,NM_138722,NM_13	BCL2L14	BCL2 like 14	-1.705158347	1.050776237	1.413357	0.838171	1.430713	1.88750088	1.36863803	1.9400446	106	83	137
3276	NM_001207042,NM_001536,NM	PRMT1	protein arginine methyltransferas	-1.032014171	1.050695463	217.4722	211.431245	215.642705	8.22835432	8.18304512	8.29946743	11735	15193	15165
57570	NM_001350253,NM_001350254	TRMT5	tRNA methyltransferase 5	1.131524726	1.050689162	6.289472	7.37938	6.466171	5.14302819	5.31655563	5.21239866	1348	2038	1742
79066	NM_024086	METTL16	methyltransferase like 16	1.143077659	1.050586356	3.826942	4.379804	3.77785	4.48842972	4.67330781	4.55653526	842	1286	1088
23005	NM_001128608,NM_001265611	MAPKBP1	mitogen-activated protein kinase	1.193591903	1.0505431	3.11824	3.666094	3.031518	4.49984402	4.7448025	4.56791716	849	1354	1097
84320	NM_032360	ACBD6	acyl-CoA binding domain contain	1.138306745	1.050209519	24.351805	27.759954	24.040983	5.29770564	5.48014385	5.36663322	1505	2289	1944
5190	NM_000287,NM_001316313,NR	PEX6	peroxisomal biogenesis factor 6	-1.45570564	1.050118956	7.678078	5.252198	7.572447	4.75656819	4.23890304	4.82457876	1022	938	1320
79157	NM_001242532,NM_001242533	MFSD11	major facilitator superfamily dom	-1.259935752	1.050072741	15.068791	12.289576	14.995663	5.52618969	5.20093212	5.59518964	1770	1877	2286
131601	NM_001136053,NM_001142646	TPRA1	transmembrane protein adipocyte	1.360273635	1.049975743	15.36084	20.927088	15.064827	4.89515141	5.32618529	4.96320452	1129	2052	1458
89839	NM_001039841	ARHGAP11B	Rho GTPase activating protein 1	-1.041751219	1.049954035	11.644235	11.193496	11.478819	3.64828273	3.59405489	3.71313983	453	581	585
25888	NM_001006656,NM_001308424	ZNF473	zinc finger protein 473	-1.057114029	1.049907198	6.12782	5.803406	6.060882	4.85254141	4.77525187	4.92043435	1095	1384	1414
64430	NM_001330177,NM_022495	PCNX4	pecanex homolog 4 (Drosophila)	1.122540403	1.049887451	21.139012	24.203956	20.493124	6.48647187	6.65148654	6.55594399	3481	5221	4495
440295	NM_001291420,NM_001291420	GOLGA6L9	golgin A6 family-like 9	-1.073764869	1.049827765	8.000403	7.470123	7.911027	5.11573264	5.01611219	5.18391472	1322	1645	1707
9110	NM_004687	MTMR4	myotubularin related protein 4	-1.356808873	1.049819236	19.709438	14.543436	19.446009	6.81850685	6.38283049	6.88804282	4392	4325	5671
2588	NM_000512,NM_001323543,NM	GALNS	galactosamine (N-acetyl)-6-sulfat	1.71937955	1.049675893	14.038842	24.13959	13.822661	5.04959013	5.81318676	5.11747697	1261	2897	1628
114044	NR_002776,NR_110565,NR_11	MCM3AP-AS1	MCM3AP antisense RNA 1	1.472841342	1.049623582	1.938354	2.939033	1.950948	2.53954085	3.01642592	2.59766727	189	372	244
79815	NM_024762	ZNF552	zinc finger protein 552	1.017427111	1.049597351	4.546572	4.629099	4.466764	3.51319803	3.53596345	3.5772795	499	556	528
10475	NM_006355	TRIM38	tripartite motif containing 38	1.103498058	1.049539577	4.632174	5.117823	4.568448	4.72271607	4.78935858	4.78936776	997	1470	1287
23144	NM_015117	ZC3H3	zinc finger CCCH-type containing	-1.11307725	1.049506316	12.70906	11.427591	12.533543	5.37677671	5.22613324	5.44485344	1592	1911	2055
7867	NM_001243925,NM_001243926	MAPKAPK3	mitogen-activated protein kinase-	-1.076939916	1.049475417	11.228543	10.42261	11.063228	4.85508302	4.75196505	4.92240621	1097	1361	1416
85406	NM_032364	DNAJC14	DnaJ heat shock protein family (H	-1.02209503	1.049473898	11.941173	11.693016	11.771996	5.31165148	5.28092234	5.37960921	1520	1987	1962
57406	NM_001320126,NM_020676	ABHD6	abhydrolase domain containing 6	1.316155389	1.049430657	1.479179	1.945782	1.483588	2.19894236	2.51796519	2.2537152	141	248	182
79969	NM_001031722,NM_001190724	ATAT1	alpha tubulin acetyltransferase 1	-1.116813851	1.049408869	8.216589	6.842545	7.488859	4.14848821	3.99854533	4.21424082	657	786	848
22908	NM_001319072,NM_001319073	SACM1L	SAC1 suppressor of actin mutatio	-1.001296347	1.04940602	8.872238	8.786995	8.683313	5.04736934	5.04555672	5.11489271	1259	1680	1625
54960	NM_001042479,NM_001042480	GEMIN8	gem nuclear organelle associate	1.125500525	1.049381452	2.116187	2.404167	2.114177	2.92058788	3.06980877	2.98115841	258	388	333
84309	NM_001193452,NM_032349	NUDT16L1	nudix hydrolase 16 like 1	1.263229932	1.049130113	12.001749	15.37176	12.122208	4.12129674	4.44108339	4.18661421	644	1087	831
51149	NM_001017987,NM_016175	MRNIP	MRN complex interacting protein	1.110561974	1.049089486	14.16511	17.395346	13.977745	4.13600195	4.27912189	4.20130594	651	966	840
84263	NM_001195822,NM_032303,NR	HSDL2	hydroxysteroid dehydrogenase lil	1.060707621	1.049027644	23.97816	25.30863	23.544594	6.30410949	6.38809405	6.37231107	3063	4341	3952
261729	NM_001040665,NM_001040666	STEAP2	STEAP2 metalloreductase	-1.537341802	1.048580739	5.320434	3.565346	5.361234	5.12313239	4.52470876	5.18965667	1329	1155	1714
55591	NM_001352088,NM_001352089	VEZT	vezatin, adherens junctions trans	-1.492373338	1.048496213	30.753454	20.475354	29.776732	7.14074354	6.56814636	7.2085936	5501	4925	7094
5430	NM_000937	POLR2A	RNA polymerase II subunit A	1.175944268	1.048386053	27.779648	32.704174	27.368176	7.51763615	7.75028061	7.58544384	7155	11242	9226
221	NM_000694,NM_001030010,NM	ALDH3B1	aldehyde dehydrogenase 3 famil	-2.025740059	1.0482481	59.695455	29.607889	58.396163	7.34259498	6.33320993	7.41016719	6333	4177	8165
26284	NM_001317985,NM_001317986	ERAL1	Era like 12S mitochondrial rRNA	1.191628755	1.048115561	33.779697	40.627824	33.112811	5.97778702	6.22706742	6.04453654	2435	3877	3139
9049	NM_001302959,NM_001302960	AIP	aryl hydrocarbon receptor interac	1.053859093	1.048070953	45.997158	48.530979	45.267542	5.81826596	5.8926442	5.8848325	2176	3064	2805
23312	NM_001174116,NM_001174117	DMXL2	Dmx like 2	-1.579569151	1.047964952	8.058244	4.930716	7.681944	6.34536805	5.69605597	6.41214851	3153	2667	4064
89845	NM_001198934,NM_001350518	ABCC10	ATP binding cassette subfamily C	1.194395611	1.047864273	4.536001	5.574828	4.478153	4.54304361	4.7892446	4.60767403	876	1398	1129
80155	NM_057175	NAA15	N(alpha)-acetyltransferase 15, N	1.137979503	1.047760381	17.299971	19.710907	17.036034	6.57739575	6.76204243	6.64401774	3710	5641	4781
7468	NM_001042424,NM_007331,NM	NSD2	nuclear receptor binding SET dor	-1.160914959	1.047533678	54.846043	46.875952	53.901199	8.64681062	8.43212583	8.71364438	15697	18066	20224
64116	NM_001135146,NM_001135147	SLC39A8	solute carrier family 39 member 8	-1.369663243	1.047418239	11.262494	8.069753	10.924403	5.14094677	4.70212092	5.20593745	1346	1313	1734
387841	NR_003932	RPL13AP20	ribosomal protein L13a pseudoge	-2.529511215	1.047362846	20.463488	8.082669	20.163904	3.82462152	2.63327382	3.88678411	517	273	666
5498	NM_000309,NM_001122764,NM	PPOX	protoporphyrinogen oxidase	-1.081454091	1.047266955	5.31421	4.988394	5.15691	3.34979977	3.24827687	3.41004634	361	446	465
11044	NM_001171805,NM_001171806	PAPD7	poly(A) RNA polymerase D7, nor	1.263023357	1.047062309	12.07073	15.157276	11.857538	5.4065374	5.73633751	5.47135948	1626	2744	2094
9880	NM_014830	ZBTB39	zinc finger and BTB domain cont	-1.230701657	1.04703409	2.30232	1.871157	2.265401	3.90531607	3.62781914	3.96730515	549	596	707
79575	NM_024527	ABHD8	abhydrolase domain containing 8	1.217528612	1.04684381	7.744774	9.437824	7.617395	4.06751962	4.33606188	4.12972136	619	1007	797
4259	NM_004528	MGST3	microsomal glutathione S-transfe	-1.218700498	1.046805504	34.335331	28.207609	33.785027	5.69387492	5.41459724	5.75862518	1993	2185	2566
125488	NM_001135993,NM_001243425	TTC39C	tetratricopeptide repeat domain 3	1.157069781	1.046430249	7.833177	7.600565	7.147414	4.11498433	4.31410799	4.17673594	641	991	825
90121	NM_001346789,NM_001346790	TSR2	TSR2, ribosome maturation factc	1.152998655	1.046104541	4.882807	5.601696	4.763476	4.35472906	4.55075824	4.41665393	764	1177	983
23031	NM_015016	MAST3	microtubule associated serine/thr	-1.094703593	1.046029923	3.76404	3.442663	3.700369	4.49821892	4.37369523	4.56033921	848	1035	1091
50619	NM_022047	DEF6	DEF6, guanine nucleotide exchai	-1.389565151	1.045970451	12.725568	9.165837	12.509214	4.88025587	4.42452914	4.94294958	1117	1074	1437
9898	NM_001127320,NM_001287815	UBAP2L	ubiquitin associated protein 2 like	1.252716096	1.045821264	44.037563	55.440259	42.340104	7.36059442	7.68388976	7.42484717	6413	10734	8249
203228	NM_001256054,NM_018325,NM	C9orf72	chromosome 9 open reading fran	-2.129662723	1.045672057	2.901649	1.380543	3.001488	3.29469475	2.36086138	3.35270793	346	217	445
140459	NM_001202403,NM_017873,NM	ASB6	ankyrin repeat and SOCS box co	1.207138315	1.045494868	8.99569	10.834819	8.79675	5.3670153	5.63261167	5.42968364	1581	2550	2033
222166	NM_152793	MTURN	maturin, neural progenitor differe	-1.697205046	1.045451301	4.98977	2.941942	4.902013	4.87023937	4.14097459	4.93222525	1109	873	1426
8881	NM_001078645,NM_001318517	CDC16	cell division cycle 16	-1.01955061	1.045413519	19.889159	19.504546	19.58802	5.53493448	5.50760765	5.5976597	1781	2334	2290
57418	NM_024100	WDR18	WD repeat domain 18	1.197868468	1.045347875	26.085621	31.280058	25.626667	5.33641922	5.59099458	5.39885696	1547	2476	1989
55274	NM_018288,NM_133325	PHF10	PHD finger protein 10	1.344647091	1.045341851	8.529639	11.50399	8.382086	3.89793981	4.30021519	3.95772276	546	981	702
311	NM_001157,NM_001278407,NM	ANXA11	annexin A11	-2.327800179	1.045321574	82.856163	35.843057	81.534903	7.68197415	6.47227994	7.74561722	8023	4605	10315
286046	NM_173683,NR_138152,NR_13	XKR6	XK related 6	1.18354793	1.045299339	2.078751	2.395911	1.886142	1.80577475	1.98361768	1.85174813	98	155	126
8153	NM_005440	RND2	Rho family GTPase 2	-2.707469867	1.0452706	0.391653	0.144575	0.387132	1.38110603	0.669904	1.42086173	63	31	81
55150	NM_018111	C19orf73	chromosome 19 open reading fra	-1.128476299	1.045247636	1.70175	1.52704	1.683519	1.16869613	1.07428646	1.20457043	49	58	63
81545	NM_001271723,NM_030793	FBXO38	F-box protein 38	1.082233198	1.045227916	12.921871	13.562658	12.339476	5.64551013	5.7573359	5.70808361	1926	2785	2476
693221	NR_030366	MIR636	microRNA 636	-1.039082097	1.045206358	9.229584	8.887136	8.98931	0.91952222	0.89363826	0.95003448	35	45	45
388799	NM_001013646	FAM209B	family with sequence similarity 20	-1.436500499	1.045170301	1.024861	0.718668	1.033989	0.77668602	0.58077243	0.80366934	28	26	36
10902	NM_001164326,NM_001300961	BRD8	bromodomain containing 8	-1.021157863	1.045141725	46.799299	46.256788	45.648115	7.15860031	7.12860745	7.22186394	5570	7288	7160
51	NM_001185039,NM_004035,NM	ACOX1	acyl-CoA oxidase 1	1.754246206	1.045081081	7.456456	13.072074	7.292014	5.81369997	6.61351108	5.87621116	2169	5084	2788
22850	NM_014913	ADNP2	ADNP homeobox 2	-1.255003944	1.045059481	15.554839	12.404417	15.275251	6.36778967	6.04553358	6.43062346	3203	3410	4117
79992	NR_024277	AGPAT4-IT1	AGPAT4 intronic transcript 1	1.599207805	1.044990878	0.185416	0.312135	0.183694	0.43999062	0.65251278	0.45708734	14	30	18
65989	NM_001286655,NM_001286656	DLK2	delta like non-canonical Notch lig	1.599207805	1.044990878	0.172936	0.279316	0.181769	0.43999062	0.65251278	0.45708734	14	30	18
255031	NR_015401,NR_072981,NR_07	LINC00957	long intergenic non-protein codin	-2.061547509	1.044990878	0.20106	0.101956	0.199638	0.43999062	0.2284445	0.45708734	14	9	18
11128	NM_007055	POLR3A	RNA polymerase III subunit A	-1.247844789	1.044905697	5.183631	4.158347	5.089882	5.10829474	4.79915696	5.16987408	1315	1408	1690
102723859	NM_001291466,NM_001291466	TBC1D3E	TBC1 domain family member 3E	-1.023713338	1.044884051	34.812401	34.047001	34.190044	6.14860191	6.11527096	6.21107345	2746	3584	3529

152225	NR_026934	LINC02085	long intergenic non-protein codin	2.331861258	1.044636274	0.076785	0.208119	0.087035	0.23670415	0.50527715	0.24657076	7	22	9
2066	NM_001042599,NM_005235	ERBB4	erb-b2 receptor tyrosine kinase 4	2.542479768	1.044636274	0.015338	0.039342	0.015088	0.23670415	0.54351856	0.24657076	7	24	9
100128233	NR_103769	LINC02324	long intergenic non-protein codin	-2.292028919	1.044636274	0.117297	0.04078	0.114881	0.23670415	0.10601836	0.24657076	7	4	9
677800	NR_002954	SNORA12	small nucleolar RNA, H/ACA box	-1.329394012	1.044636274	1.244013	0.8034	1.141648	0.23670415	0.18071335	0.24657076	7	7	9
339175	NM_181725	METTL2A	methyltransferase like 2A	-1.05269739	1.044453439	12.147633	11.551917	11.926168	4.94491448	4.87328317	5.00567345	1170	1485	1503
10741	NM_006606	RBBP9	RB binding protein 9, serine hydr	1.208737452	1.044372256	4.85857	5.881788	4.772468	4.26774435	4.52828878	4.3272039	717	1158	921
255189	NM_213600,NR_033151	PLA2G4F	phospholipase A2 group IVF	-1.273673789	1.044366413	0.916073	0.723226	0.903552	2.04717061	1.79043244	2.09493548	123	129	158
10437	NM_006332	IFI30	IFI30, lysosomal thiol reductase	-1.071579673	1.044335699	46.697128	43.612698	45.812187	5.57711104	5.47952756	5.63841672	1835	2288	2357
79886	NM_001167575,NM_024828	CAAP1	caspase activity and apoptosis in	1.013473727	1.044276456	4.983898	5.074639	4.860683	3.89547266	3.91349545	3.95387191	545	738	700
9173	NM_001282408,NM_003856,NM	IL1RL1	interleukin 1 receptor like 1	7.021575781	1.044246752	2.162681	15.119944	2.105562	3.19389071	5.86412557	3.24967672	320	3003	411
101928741	NR_146488	LINC02065	long intergenic non-protein codin	-1.999702853	1.044047144	4.29428	2.149062	4.214388	2.98234021	2.15396266	3.03682664	271	181	348
9169	NM_004719	SCAF11	SR-related CTD associated facto	-1.119126294	1.044023664	14.776408	13.218298	14.498429	6.78524352	6.62442377	6.84684785	4291	5123	5510
55975	NM_001031710,NM_001172428	KLHL7	kelch like family member 7	1.011628184	1.044015038	12.449725	10.22739	12.15236	4.53830704	4.55427428	4.59783705	873	1180	1121
3397	NM_002165,NM_181353	ID1	inhibitor of DNA binding 1, HLH p	-1.09536292	1.043918061	148.698612	138.446857	147.025787	7.2654005	7.13488306	7.32701555	6001	7320	7705
4817	NM_001185092,NM_001185093	NIT1	nitrilase 1	1.120830516	1.043848485	17.145052	19.819191	17.493193	5.02609951	5.18589965	5.08615607	1240	1857	1592
6618	NM_003083,NR_030717	SNAPC2	small nuclear RNA activating con	-1.046848889	1.043813637	8.971455	8.714019	8.875099	3.86300966	3.80158144	3.92071794	532	679	683
11319	NM_001135752,NM_001135753	ECD	ecdysoneless cell cycle regulator	-1.423276855	1.043635452	20.635737	14.64316	20.449246	5.5205971	5.02458641	5.5809041	1763	1655	2263
1855	NM_001330311,NM_004421	DVL1	dishevelled segment polarity prot	1.149021773	1.043589118	69.098028	79.89302	67.978001	7.65013112	7.84960801	7.71138576	7847	12047	10072
51304	NM_001135179,NM_001330761	ZDHHC3	zinc finger DHHC-type containing	-1.006945175	1.04351141	8.084503	8.124668	8.535053	6.48401081	6.47413731	6.54478691	3475	4611	4460
116150	NM_138459	NUS1	NUS1 dehydrodolichyl diphospha	1.03053473	1.043492623	9.205695	9.498621	9.026297	5.46094475	5.50336969	5.52100322	1690	2327	2169
64412	NM_001317012,NM_001317019	GZF1	GDNF inducible zinc finger protei	1.354805291	1.043435656	2.351805	3.153021	2.287847	3.56999691	3.97600158	3.62628732	427	773	548
440193	NM_001080414	CCDC88C	coiled-coil domain containing 88(	1.260397407	1.043407818	8.50669	10.733561	8.340263	5.98824449	6.31743308	6.04860456	2453	4131	3148
2885	NM_002086,NM_203506	GRB2	growth factor receptor bound pro	-1.194911597	1.043405724	48.71983	40.844866	47.791452	7.3010229	7.04589619	7.36194361	6152	6879	7895
7416	NM_003374,NR_036624,NR_03(	VDAC1	voltage dependent anion channe	1.347385732	1.043133403	164.678363	222.329436	161.500522	8.38032972	8.809379	8.44107486	13043	23481	16734
1230	NM_001295	CCR1	C-C motif chemokine receptor 1	-1.683731466	1.043068546	0.517367	0.305255	0.502376	1.23264156	0.84852988	1.26797492	53	42	68
79872	NM_001284291,NM_024814,NR	CBLL1	Cbl proto-oncogene like 1	-1.325957961	1.042980701	9.260851	6.98375	9.065723	5.3571874	4.96154856	5.41645284	1570	1582	2014
146434	NM_152457	ZNF597	zinc finger protein 597	1.136246094	1.042725959	2.735914	3.11687	2.682693	3.97240126	4.14564373	4.02900114	577	876	740
9728	NM_001193489,NM_014701	SECISBP2L	SECIS binding protein 2 like	-1.279604706	1.042551044	5.447377	4.31148	5.404893	5.28833296	4.94289226	5.34694775	1495	1561	1917
3613	NM_014214	IMPA2	inositol monophosphatase 2	-1.110167573	1.042544988	7.773035	7.00736	7.612527	3.65995838	3.5216664	3.71541614	550	550	586
252969	NM_001135746,NM_001135747	NEIL2	nei like DNA glycosylase 2	1.188963511	1.042521855	2.615001	3.156937	2.399437	2.87121968	3.08932884	2.92325564	248	394	318
55082	NM_018011	ARGLU1	arginine and glutamate rich 1	1.029397986	1.042511626	55.626606	57.330391	54.503796	6.58277284	6.62144499	6.64222419	3724	5122	4775
10093	NM_001024959,NM_001024960	ARPC4	actin related protein 2/3 complex	1.082590162	1.042489559	23.445597	25.635297	22.994224	5.50773204	5.61980474	5.5664757	1747	2527	2240
126308	NM_130807	MOB3A	MOB kinase activator 3A	1.236764402	1.042435899	7.206363	8.925198	7.062384	4.6077728	4.90300262	4.66532766	918	1517	1177
127396	NM_152373	ZNF684	zinc finger protein 684	-1.10279227	1.042357732	3.887067	3.530748	3.806317	3.16140171	3.03667667	3.21470347	312	378	400
105371248	NR_146572	LINC02178	long intergenic non-protein codin	-1.576555549	1.042251495	2.362285	1.520182	2.327347	0.99521185	0.70406985	1.02535867	39	33	50
8569	NM_001135553,NM_003684,NM	MKNK1	MAP kinase interacting serine/thr	-1.004456007	1.042221939	15.563219	15.641502	15.310283	5.37766084	5.37140066	5.43590876	1593	2119	2042
2827	NM_005281	GPR3	G protein-coupled receptor 3	-1.360388234	1.042140481	1.352088	0.996451	1.328407	1.92669094	1.61299082	1.97085819	110	108	141
10668	NM_006568	CGRRF1	cell growth regulator with ring fing	1.108512009	1.041873886	12.569739	13.947026	12.309067	4.10430518	4.24471769	4.16012035	636	942	815
23030	NM_015015	KDM4B	lysine demethylase 4B	1.641815037	1.041862584	4.047996	6.650659	3.961816	4.528787	5.21950507	4.58544575	867	1902	1111
8693	NM_003774	GALNT4	polypeptide N-acetylgalactosamii	-1.940752451	1.04182969	3.204311	1.650952	3.136776	4.15675275	3.27409343	4.21263029	661	455	847
8452	NM_001257197,NM_001257198	CUL3	cullin 3	-1.113472735	1.04160989	17.707806	16.208318	17.355037	6.88344013	6.72975603	6.94176835	4596	5515	5888
27246	NM_014455	RNF115	ring finger protein 115	1.101880731	1.041566816	7.008552	7.730174	6.866392	3.84009957	3.97074877	3.89484064	523	770	670
6940	NM_001324339,NM_005649	ZNF354A	zinc finger protein 354A	-1.221653827	1.041505078	7.432223	6.089678	7.293083	4.28481203	4.01224533	4.34053776	726	794	930
26057	NM_001286771,NM_015574,NM	ANKRD17	ankyrin repeat domain 17	1.032005522	1.041445057	14.655175	15.152808	14.313168	7.1487935	7.19392972	7.20697674	5532	7628	7086
5954	NM_002901	RCN1	reticulocalbin 1	1.206880191	1.041434683	182.569606	220.579208	178.669632	8.80806873	9.07880085	8.86651339	17558	28313	22490
83596	NM_001040668,NM_001282516	BCL2L12	BCL2 like 12	-1.190031667	1.041401093	20.739051	17.839081	20.690551	5.23761487	4.99384339	5.29462408	1442	1619	1847
7227	NM_001282902,NM_001282903	TRPS1	transcriptional repressor GATA b	1.360859298	1.041231174	1.11265	1.506741	1.098957	3.56068436	3.97250183	3.614139	424	771	543
7071	NM_001032282,NM_005655,NR	KLF10	Kruppel like factor 10	2.107956931	1.041208013	13.072009	27.621291	12.713836	5.33277665	6.38973499	5.38962158	1543	4346	1976
5229	NM_005023	PGGT1B	protein geranylgeranyltransferase	1.008817887	1.041115629	10.525462	10.633904	10.299623	4.85635215	4.8685837	4.91251987	1098	1480	1406
6901	NM_000116,NM_001303465,NM	TAZ	tafazzin	-1.2976242	1.041043805	22.617044	17.344489	22.10023	5.40046018	5.03469021	5.45714754	1619	1667	2073
55971	NM_018842	BAIAP2L1	BAI1 associated protein 2 like 1	-1.478485252	1.041030258	41.971287	28.414368	41.059746	7.2381552	6.67858806	7.2957916	5888	5321	7539
26088	NM_001001560,NM_001172687	GGA1	golgi associated, gamma adaptin	1.007135591	1.040977037	37.107967	37.402588	35.908064	6.82403098	6.83419894	6.88146934	4409	5933	5645
10600	NM_001001992,NM_001032410	USP16	ubiquitin specific peptidase 16	1.039550086	1.040780954	18.305485	19.08987	17.945353	5.75775028	5.81269754	5.8143746	2085	2896	2669
25833	NM_001244682,NM_014352	POU2F3	POU class 2 homeobox 3	-1.589284412	1.0406444	0.643153	0.407272	0.636725	1.54118428	1.1381576	1.57922529	75	63	96
64582	NM_022571	GPR135	G protein-coupled receptor 135	-1.077399032	1.0406444	1.074801	0.993943	1.044431	1.54118428	1.47139626	1.57922529	75	93	96
26024	NM_015545	PTCD1	pentatricopeptide repeat domain	1.442587904	1.040588576	1.510081	2.182138	1.476452	3.18583679	3.66515371	3.23705705	318	613	407
22903	NM_001282550,NM_001282551	BTBD3	BTB domain containing 3	1.063509028	1.040581977	4.54718	4.813175	4.416023	4.46698912	4.55193121	4.52184068	829	1178	1061
25959	NM_001136191,NM_001329451	KANK2	KN motif and ankyrin repeat dom	-1.086629544	1.040495064	10.324004	9.484913	10.114513	5.72269098	5.6051891	5.7789005	2034	2501	2603
84451	NM_032435	MAP3K21	mitogen-activated protein kinase	1.063178676	1.040471125	6.967125	7.418084	6.816312	5.33732843	5.42359621	5.39318065	1548	2199	1981
51562	NM_001144891,NM_001308110	MBIP	MAP3K12 binding inhibitory prote	1.380197804	1.040431978	15.541837	21.492828	15.11359	4.68265777	5.13201715	4.73766195	969	1787	1240
28998	NM_014078	MRPL13	mitochondrial ribosomal protein L	1.110957292	1.04035314	46.018852	51.192467	44.989819	5.66519567	5.8416471	5.7211691	1953	2899	2499
403313	NM_203453	PLPP6	phospholipid phosphatase 6	1.046188062	1.040345729	4.079475	4.27181	3.99109	3.68302999	3.74321825	3.7357288	465	650	595
692223	NR_004403	SNORD97	small nucleolar RNA, C/D box 97	-1.261374274	1.040160678	12.502397	9.819944	12.111144	1.44997615	1.24644988	1.4863075	68	72	87
64324	NM_022455,NM_172349	NSD1	nuclear receptor binding SET dor	1.211426002	1.040160105	7.005887	8.481152	6.945401	6.48154555	6.75543907	6.53772946	3469	5615	4438
7161	NM_001126240,NM_001126241	TP73	tumor protein p73	1.62570043	1.040022034	0.999783	1.635776	0.975677	2.58923814	3.19521507	2.63662357	197	428	252
492303	NR_002830	GEMIN8P4	gem nuclear organelle associate	-1.248597577	1.03989682	1.30881	1.058065	1.280676	1.67378945	1.4614436	1.71282633	86	92	110
57095	NM_020362	PITHD1	PITH domain containing 1	1.040571061	1.039734646	21.691938	22.587656	21.185631	5.13990493	5.19568855	5.19456023	1345	1870	1720
169611	NM_001282715,NM_182487	OLFML2A	olfactomedin like 2A	1.272622789	1.039314108	1.689795	2.156439	1.650506	3.56068436	3.88212953	3.61169701	424	721	542
109617006	NR_145766	SNORA63B	small nucleolar RNA, H/ACA box	1.293290199	1.039166964	66.943855	86.579384	65.33194	3.19389071	3.52883263	3.24338068	320	553	409
91603	NM_052857	ZNF830	zinc finger protein 830	1.063895555	1.0389372	16.590418	17.671875	16.191557	4.79546226	4.88170383	4.84862794	1051	1494	1343
1211	NM_001076677,NM_001184760	CLTA	clathrin light chain A	1.088246305	1.038896934	69.05252	75.333492	67.617928	6.28585772	6.40636677	6.34021978	3024	4397	3864
64224	NM_022373	HERPUD2	HERPUD family member 2	-1.204675236	1.038678105	9.388455	7.801366	9.167834	4.78750079	4.52948015	4.8403084	1045	1159	1335
83451	NM_001145364,NM_001301058	ABHD11	abhydrolase domain containing 1	-2.015152517	1.038452568	43.360533	21.524117	41.4389	6.09477676	5.10510125	6.14843247	2644	1753	3377
23113	NM_015089	CUL9	cullin 9	-1.013149071	1.038425853	4.855863	4.799652	4.739703	5.23858851	5.22024304	5.29157606	1443	1903	1843
84299	NM_001330206,NM_032339	MIEN1	migration and invasion enhancer	-1.233322506	1.038148828	26.111916	21.222671	25.522251	5.24732179	4.95358253	5.29994267	1452	1573	1854
6477	NM_001006610,NM_003031	SIAH1	siah E3 ubiquitin protein ligase 1	-1.079284284	1.038105326	20.886581	19.335474	22.2111	5.57171277	5.46403427	5.62455491	1828	2263	2334
54704	NM_001161779,NM_001161780	PDP1	pyruvate dehyrogenase phospha	-1.140783742	1.038097413	19.055107	16.795013	18.592539	6.32442779	6.1369278	6.37771067	3107	3639	3967
203259	NM_001184940,NM_001184941	FAM219A	family with sequence similarity 2	1.700835868	1.038068491	3.547612	6.067253	3.502809	3.76640418	4.48841131	3.81642381	495	1125	632
715	NM_001733	C1R	complement C1r	-1.04876922	1.038020434	4.207303	4.021513	4.105419	3.36414578	3.30224686	3.4128543	365	465	466
57498	NM_001348729,NM_001348731	KIDINS220	kinase D interacting substrate 22	1.300361575	1.038019574	8.713917	11.378196	8.314305	5.99920131	6.37290924	6.05221098	2472	4295	3156
64760	NM_022749	FAM160B2	family with sequence similarity 16	-1.169375779	1.037927046	14.693594	12.584118	14.334277	5.76587717	5.54461018	5.81861581	2097	2396	2677
26136	NM_015641,NM_152829	TES	testin LIM domain protein	-1.215408633	1.037907346	17.607123	14.500686	17.209566	5.60606863	5.33097613	5.65866718	1873	2059	2391
1660	NM_001357,NR_033302	DHX9	DExH-box helicase 9	1.21984561	1.037826407	55.570749	68.310656	54.624981	7.97869335	8.26436359	8.03205063	9864	16077	12591
55901	NM_018676,NM_199263	THSD1	thrombospondin type 1 domain c	-1.563575097	1.037742201	1.573347	1.038057	1.562539	2.60139951	2.08433212	2.64620047	199	170	254
56123	NM_018933	PCDHB13	protocadherin beta 13	1.959207845	1.037567707	0.779472	1.536331	0.760399	1.87753473	2.64211237	1.91649468	105	275	134
27229	NM_001286414,NM_014444	TUBGCP4	tubulin gamma complex associat	1.033986124	1.037566421	7.651127	7.920213	7.46278	5.00794161	5.05468796	5.05952566	1224	1691	1562
23559	NM_012477	WBP1	WW domain binding protein 1	1.034782741	1.037550771	53.834457	55.772221	52.48135	6.02482449	6.07340943	6.07720657	2517	3480	3212
342909	NM_001037813	ZNF284	zinc finger protein 284	1.052813937	1.037534332	1.610988	1.694384	1.567673	2.96832247	3.03332122	3.01481644	268	377	342
677822	NR_002973	SNORA40	small nucleolar RNA, H/ACA box	-1.497948087	1.037534332	55.049427	36.883503	53.806408	2.96832247	2.47408961	3.01481644	268	239	342
55161	NM_018126	TMEM33	transmembrane protein 33	1.097251683	1.037447143	19.528828	21.451021	19.037804	7.20690743	7.3399385	7.25959375	5761	8446	7351
8396	NM_003559	PIP4K2B	phosphatidylinositol-5-phosphate	1.10488052	1.037422445	12.300926	13.609236	11.992355	6.12246788	6.26439661	6.17472633	2696	3980	3440
5822	NM_005049	PWP2	PWP2 periodic tryptophan protei	1.220322539	1.037235815	17.46209	21.328829	17.017738	5.81826596	6.10091747	5.87009434	2176	3548	2776
246269	NM_001323005,NM_145315,NR	AFG1L	AFG1 like ATPase	-1.217495259	1.037166737	0.966325	0.798236	0.940615	2.51403512	2.23888661	2.5576298	185	203	236
101927612	NR_108047,NR_108048	RNF139-AS1	RNF139 antisense RNA 1 (head	1.343356771	1.03708731	2.06315	2.18365	1.469387	2.0823043	2.41586604	2.12264217	127	228	162
2738	NM_138465	GLI4	GLI family zinc finger 4	-1.19158539	1.036990775	18.951654	15.913176	18.467846	4.68836995	4.44613902	4.73878137	973	1091	1241
119385	NM_133447	AGAP11	ArfGAP with GTPase domain, an	-1.401246439	1.03687841	4.093744	2.924598	3.990386	3.76370129	3.31887893	3.81217614	494	471	630
23352	NM_020765	UBR4	ubiquitin protein ligase E3 compc	1.046370625	1.036842003	23.159948	24.260151	22.56562	8.48833737	8.55355376	8.54039109	14060	19657	17930
57674	NM_001256071,NM_020954	RNF213	ring finger protein 213	-2.51669269	1.036661216	41.632666	17.056787	41.394716	9.63962984	8.31083389	9.69151055	31277	16605	39879
27243	NM_014453,NM_198426	CHMP2A	charged multivesicular body prot	-1.287329022	1.036642574	173.851814	135.180425	169.37034	7.28155132	6.91982512	7.33314301	6069	6299	7738

729533	NM_001123168,NM_001317901	FAM72A	family with sequence similarity 72	-1.826552388	1.036568039	22.479936	13.578081	22.508407	5.72477705	4.87796738	5.77563191	2037	1490	2597
4802	NM_001142587,NM_001142588	NFYC	nuclear transcription factor Y sub	1.059979329	1.036456492	17.833984	18.899204	17.543492	5.2579245	5.33983141	5.30826105	1463	2072	1865
114987	NM_001006615,NM_001012361	WDR31	WD repeat domain 31	-7.739291366	1.03629001	1.314249	0.159917	1.259103	2.85098947	0.84852988	2.89541791	244	42	311
4644	NM_000259,NM_001142495	MYO5A	myosin VA	-1.230393834	1.036259564	1.395827	1.135549	1.36129	4.13809052	3.8576751	4.18661421	652	708	831
843	NM_001206524,NM_001206542	CASP10	caspase 10	1.005249579	1.036236922	4.686262	4.91132	4.717187	4.6077728	4.61501835	4.65706199	918	1233	1170
92092	NM_080660	ZC3HAV1L	zinc finger CCCH-type containing	1.452368731	1.036201557	1.520298	2.208231	1.479028	1.84721644	2.255369	1.88448459	102	198	130
55168	NM_001193343,NM_018135	MRPS18A	mitochondrial ribosomal protein S	1.257954012	1.03604297	18.171561	22.954091	17.710704	4.45865714	4.77625587	4.50746311	824	1385	1050
57680	NM_001170629,NM_020920	CHD8	chromodomain helicase DNA bin	1.165167237	1.035964995	18.235543	21.321427	17.698122	7.18358814	7.40272153	7.23421981	5668	8824	7222
51313	NM_001031700,NM_001128424	FAM198B	family with sequence similarity 19	-2.114973509	1.035917868	2.460541	1.165304	2.396928	3.65704831	2.69827959	3.70399851	456	288	581
79796	NM_001077690,NM_001077691	ALG9	ALG9, alpha-1,2-mannosyltransfe	-1.691701387	1.035836491	5.288404	3.195733	5.168388	5.05954162	4.33060465	5.10884471	1270	1003	1618
55728	NM_001318359,NM_018177	N4BP2	NEDD4 binding protein 2	1.056603158	1.035779115	1.594912	1.686648	1.551618	4.01393646	4.08859126	4.0615736	595	840	758
84176	NR_002147	MYH16	myosin heavy chain 16 pseudoge	-2.705971331	1.035777103	1.678676	0.618696	1.635607	2.23841445	1.24644988	2.27855908	146	72	186
100506714	NR_038956,NR_038957	NUP50-AS1	NUP50 antisense RNA 1 (head to	-1.12915414	1.035619152	8.770617	7.769424	8.550236	3.61567874	3.45551618	3.66213029	442	523	563
100289230	NR_036530	LOC100289230	uncharacterized LOC100289230	-1.035328358	1.035595616	2.482944	2.408253	2.426082	2.47491059	2.43393638	2.51644942	179	231	228
153443	NM_152546	SRFBP1	serum response factor binding pr	1.364115409	1.035590513	5.923907	8.098236	5.770817	4.11918371	4.54487907	4.16678956	643	1172	819
63941	NM_031231,NM_031232	NECAB3	N-terminal EF-hand calcium bind	1.296929259	1.03555032	14.139618	18.256776	13.734963	4.81648053	5.17984253	4.86512445	1067	1849	1359
92421	NM_152284	CHMP4C	charged multivesicular body prote	-1.331723444	1.035109489	13.020761	9.789081	12.667546	4.60927912	4.21540721	4.65706199	919	922	1170
1892	NM_004092	ECHS1	enoyl-CoA hydratase, short chair	1.30113605	1.034924969	43.196438	56.279751	42.015354	5.830587	6.20449569	5.87925987	2195	3816	2794
3880	NM_002276	KRT19	keratin 19	-1.111747949	1.034912728	1796.870605	1618.042969	1747.49939	11.33006165	11.17729435	11.37955191	101035	121426	128605
346389	NM_182762	MACC1	MACC1, MET transcriptional regu	-6.876383394	1.034841195	8.364914	1.217428	8.134829	6.24040736	3.56646274	6.28917599	2929	569	3728
230	NM_005165	ALDOC	aldolase, fructose-bisphosphate (	-1.259684102	1.034782211	6.273969	4.977854	6.092112	3.47073972	3.17099075	3.51569869	396	420	504
768096	NR_003244	HAR1A	highly accelerated region 1A (nor	-2.037178574	1.034721283	0.511963	0.24726	0.496601	1.26358189	0.75384785	1.29257653	55	36	70
26502	NM_001038618,NM_001083608	NARF	nuclear prelamin A recognition fa	-1.127194597	1.034655398	26.04763	23.313066	25.484065	5.42803514	5.25954295	5.47606585	1651	1957	2101
9751	NM_001318234,NM_014723	SNPH	syntaphilin	1.5438025	1.034503115	2.722939	4.169227	2.642262	3.84522223	4.43600998	3.890818	525	1083	668
3090	NM_001098202,NM_006497	HIC1	HIC ZBTB transcriptional repress	1.896385267	1.034441039	0.082868	0.173789	0.088577	0.35634914	0.61708849	0.36729312	11	28	14
54345	NM_018419	SOX18	SRY-box 18	-2.415817531	1.034441039	0.163921	0.068752	0.15604	0.35634914	0.15624221	0.36729312	11	6	14
51368	NM_001129884,NM_001243725	TEX264	testis expressed 264	1.138244685	1.034381948	24.112884	27.370271	23.283372	5.06064312	5.24220835	5.10797864	1271	1933	1617
967	NM_001257389,NM_001257390	CD63	CD63 molecule	-1.050487479	1.034367944	514.864738	491.507367	499.375741	8.99921415	8.92829713	9.04787021	20051	25503	25509
4170	NM_001197320,NM_021960,NM	MCL1	MCL1, BCL2 family apoptosis reg	-1.007095251	1.034365973	100.842274	98.783853	96.983126	8.62379985	8.61362559	8.6724254	15448	20495	19653
261726	NM_001031800,NM_152902	TIPRL	TOR signaling pathway regulator	-1.215981396	1.034324879	18.450921	14.486063	17.463721	5.7441029	5.46776786	5.79190132	2065	2269	2627
958	NM_001250,NM_001302753,NM	CD40	CD40 molecule	-1.073437935	1.034194249	57.818109	53.979615	56.729386	6.53126011	6.43016324	6.57925295	3592	4471	4569
84687	NM_032595	PPP1R9B	protein phosphatase 1 regulatory	-1.05042078	1.034188765	30.103617	28.692793	29.258837	6.90383733	6.83347566	6.95193967	4662	5930	5930
114790	NM_052902	STK11IP	serine/threonine kinase 11 intera	1.343361457	1.033977976	8.551781	11.502246	8.310232	4.96269999	5.37670602	5.00938866	1185	2127	1507
84816	NM_001318746,NM_032730	RTN4IP1	reticulon 4 interacting protein 1	1.059081493	1.03394094	2.391773	2.539457	2.365481	2.9541672	3.02658682	2.99621456	265	375	337
9817	NM_012289,NM_203500	KEAP1	kelch like ECH associated protein	1.154423791	1.033925735	23.319871	26.935244	22.690481	5.90176757	6.10571785	5.9491104	2308	3560	2935
100132341	NR_024034	CLUHP3	clustered mitochondria homolog p	2.100456679	1.033904097	3.736794	7.864573	3.62593	2.90104285	3.86712977	2.94281592	254	713	323
84969	NM_001098796,NM_001098797	TOX2	TOX high mobility group box fam	1.544566278	1.033709154	1.433777	2.282379	1.438267	2.19091668	2.70251092	2.22843599	140	289	178
6147	NM_000984	RPL23A	ribosomal protein L23a	-1.020388414	1.033703108	657.270752	644.867676	638.484924	9.28020558	9.25113433	9.32795203	24371	31912	30985
10575	NM_001256721,NM_006430	CCT4	chaperonin containing TCP1 sub	1.599930041	1.033629525	99.94025	160.09403	97.516788	7.84187815	8.51753353	7.88939331	8968	19171	11401
51085	NM_032951,NM_032952,NM_03	MLXIPL	MLX interacting protein like	-2.801305178	1.033566728	2.926956	1.034828	2.83808	3.36414578	2.11004283	3.4072329	365	174	464
10776	NM_001306191,NM_001306195	ARPP19	cAMP regulated phosphoprotein	-9.171520245	1.033186376	24.790659	2.702164	24.181361	7.06125395	3.94954414	7.10800844	5204	758	6613
55503	NM_018646	TRPV6	transient receptor potential cation	-1.110552914	1.033096933	1.194073	1.075734	1.154509	2.13345087	2.01797632	2.16988427	133	160	169
85365	NM_033087,NR_024532	ALG2	ALG2, alpha-1,3/1,6-mannosyltra	1.267691491	1.033061149	27.652881	35.235108	26.576731	6.29055972	6.628877	6.33689711	3034	5139	3855
8558	NM_001098533,NM_001160367	CDK10	cyclin dependent kinase 10	1.067767516	1.032993359	39.564906	42.419704	38.216297	6.08831031	6.18156519	6.13446583	2632	3755	3344
5601	NM_001135044,NM_001308244	MAPK9	mitogen-activated protein kinase	-1.118693413	1.032945729	15.960083	14.239418	15.432227	5.98302523	5.82390789	6.02906409	2444	2919	3105
5256	NM_000292	PHKA2	phosphorylase kinase regulatory	1.456111644	1.032883427	3.433953	5.003147	3.330244	4.23299104	4.750944	4.27723085	699	1360	888
9772	NM_001321148,NM_001321149	TMEM94	transmembrane protein 94	-1.114426069	1.032865111	20.218943	18.124687	19.568865	6.7875738	6.63276234	6.83381125	4298	5153	5460
34	NM_000016,NM_001127328,NM	ACADM	acyl-CoA dehydrogenase, C-4 to	1.186317186	1.032814741	8.959144	10.649468	8.726473	4.57884974	4.81585323	4.62351744	899	1425	1142
3094	NM_005340,NR_024610,NR_02	HINT1	histidine triad nucleotide binding	-1.103704147	1.032769078	258.306869	234.121737	253.810251	7.50454218	7.36301011	7.55080851	7090	8583	9006
57060	NM_001174100,NM_020418,NM	PCBP4	poly(rC) binding protein 4	-1.102920474	1.032619192	8.462346	7.709673	8.106468	4.12971807	3.99682365	4.17342809	648	785	823
23673	NM_177424	STX12	syntaxin 12	-1.055719238	1.032614867	9.530917	9.039068	9.249599	4.88648104	4.81096259	4.93124635	1122	1420	1425
4938	NM_001032409,NM_001320151	OAS1	2'-5'-oligoadenylate synthetase 1	-1.600329112	1.032492614	46.496382	29.025315	45.054711	6.37356266	5.70557366	6.41914802	3216	2685	4084
98	NM_001320586,NM_001320587	ACYP2	acylphosphatase 2	1.619277341	1.032426357	3.993363	6.486009	3.837539	2.53954085	3.1370039	2.57778742	189	409	240
79585	NM_001201472,NM_001201473	CORO7	coronin 7	-1.003549974	1.032381344	5.856953	5.881202	5.688916	4.51760029	4.5127108	4.56160497	860	1145	1092
314	NM_001158,NM_009590	AOC2	amine oxidase, copper containing	1.926246794	1.032179437	2.526104	4.847641	2.443706	2.91084846	3.76158491	2.95056637	256	659	325
55367	NM_145886,NM_145887	PIDD1	p53-induced death domain protei	-1.01865532	1.03214782	12.22784	12.003141	11.854445	5.19511448	5.16918099	5.23954048	1399	1835	1776
26995	NM_001329861,NM_001329862	TRUB2	TruB pseudouridine synthase fan	1.195924952	1.031992959	19.433852	23.445008	19.109539	5.14302819	5.39446891	5.18719863	1348	2154	1711
11191	NR_023917	PTENP1	phosphatase and tensin homolog	-1.679361377	1.031903368	0.515576	0.307563	0.501908	1.57857476	1.12560759	1.60891398	78	62	99
8541	NM_003660,NR_103842	PPFIA3	PTPRF interacting protein alpha	-1.501845337	1.031850521	1.953554	1.295469	1.886148	3.32067256	2.8044511	3.36145532	353	314	448
85437	NM_033114	ZCRB1	zinc finger CCHC-type and RNA	-1.28595107	1.031825287	25.465328	19.823164	24.691372	5.5459881	5.19193145	5.59023678	1795	1865	2278
9220	NM_004740	TIAF1	TGFB1-induced anti-apoptotic fa	-1.173192682	1.031668193	7.118163	6.076596	6.906064	3.95355025	3.73910482	3.99567625	569	648	722
100130899	NR_039988	LOC100130899	uncharacterized LOC100130899	2.155449267	1.031574911	0.570691	1.235071	0.553767	1.75224037	2.61093762	1.78395874	93	268	118
51116	NM_016034,NR_051967,NR_05	MRPS2	mitochondrial ribosomal protein S	1.22308821	1.031571475	47.665023	58.391483	46.564134	6.18844858	6.47537422	6.23268854	2824	4615	3583
642946	NR_027285,NR_027286	FLVCR1-AS1	FLVCR1 antisense RNA 1 (head	-1.193418267	1.031456171	3.770746	3.111594	3.589156	2.14180175	1.94842076	2.1765086	134	150	170
10951	NM_001127228,NM_006807	CBX1	chromobox 1	-1.08422579	1.031436851	69.125872	63.831817	66.741792	7.2476167	7.13174867	7.29198365	5927	7304	7519
162427	NM_178126,NR_026697	RETREG3	reticulophagy regulator family me	-1.040198164	1.031324627	17.573072	16.91116	17.069109	6.04833571	5.99235095	6.09217385	2559	3287	3246
730051	NM_001144989	ZNF814	zinc finger protein 814	-1.491906586	1.031323107	2.310492	1.54853	2.237931	3.9199564	3.38881456	3.96156336	555	497	704
5245	NM_001281496,NM_001281497	PHB	prohibitin	-1.074493256	1.03125475	110.012112	102.396074	106.830253	7.64058685	7.53746743	7.68476911	7795	9693	9887
284233	NR_026756	CYP4F35P	cytochrome P450 family 4 subfar	1.277452819	1.031143931	0.7455	0.95155	0.720394	1.62696745	1.87534115	1.65707652	82	140	104
10612	NM_001248006,NM_001248007	TRIM3	tripartite motif containing 3	-1.1772863	1.031119612	5.871335	4.866009	5.612641	4.12340669	3.90250283	4.16512515	645	732	818
4591	NM_001005207,NM_001320987	TRIM37	tripartite motif containing 37	-1.155973645	1.031115265	15.511425	13.383502	15.1293	6.04555676	5.83984166	6.08910502	2554	2952	3239
94122	NM_001163334,NM_001163335	SYTL5	synaptotagmin like 5	3.425514877	1.031101467	0.2195	0.766333	0.212283	1.03161781	2.19658485	1.05442063	41	188	52
59307	NM_001135053,NM_001135054	SIGIRR	single Ig and TIR domain contain	-1.32964176	1.031021093	32.540305	24.394604	31.485076	5.73998338	5.3377927	5.78324714	2059	2069	2611
747	NM_006133	DAGLA	diacylglycerol lipase alpha	-2.257278518	1.030855347	7.934242	3.517356	7.68595	5.50773204	4.37236795	5.55062723	1747	1034	2215
30844	NM_139265	EHD4	EH domain containing 4	-1.091892154	1.030813996	15.966639	14.640185	15.463845	5.52299658	5.39903863	5.56584509	1766	2161	2239
4909	NM_006179	NTF4	neurotrophin 4	-1.845984456	1.030801563	2.909661	1.581744	2.82394	1.94589385	1.34717796	1.97845985	112	81	142
10221	NM_001282985,NM_025195	TRIB1	tribbles pseudokinase 1	-1.255250241	1.030583804	22.59985	17.554482	20.460725	6.24283552	5.91970164	6.28573352	2934	3123	3719
114904	NM_031910,NM_182486	C1QTNF6	C1q and TNF related 6	1.000580772	1.030441911	13.862347	14.450804	14.516852	5.28927297	5.29008925	5.33144894	1496	2000	1896
221491	NM_001008703,NM_001008704	SMIM29	small integral membrane protein	-1.951459833	1.03043507	9.209426	4.92655	9.292327	3.39591204	2.55587612	3.43512339	374	256	474
7918	NM_001199237,NM_001199238	GPANK1	G-patch domain and ankyrin repe	-1.029101299	1.030373805	3.944272	3.84825	3.83388	3.54502861	3.50722624	3.58455875	419	544	531
64283	NM_001080479,NM_001177693	ARHGEF28	Rho guanine nucleotide exchang	-1.099380282	1.030279106	13.593152	12.655508	13.097061	6.39293236	6.25794232	6.43546439	3260	3962	4131
51324	NM_001127889,NM_001127890	SPG21	SPG21, maspardin	1.118038851	1.03017085	30.198193	33.922998	29.423116	5.77597182	5.93416733	5.81808634	2112	3155	2676
7773	NM_006300	ZNF230	zinc finger protein 230	-1.086149542	1.030162844	2.225324	2.053151	2.156057	3.31698997	3.21015128	3.35562963	352	433	446
6050	NM_002939,NM_203383,NM_20	RNH1	ribonuclease/angiogenin inhibitor	-1.187789549	1.030064029	42.698935	36.126049	41.495872	6.26067799	6.01591823	6.30286431	2971	3342	3764
7695	NM_001348013,NM_001348014	ZNF136	zinc finger protein 136	-1.314666082	1.02998244	3.115181	2.323094	3.023386	3.58232086	3.22493445	3.62144026	431	438	546
175	NM_000027,NM_001171988,NR	AGA	aspartylglucosaminidase	1.059962913	1.02996984	12.470506	13.201571	12.041763	4.72217607	4.80310291	4.76319139	997	1412	1263
8835	NM_001270467,NM_001270468	SOCS2	suppressor of cytokine signaling	-1.25662765	1.029852734	2.921052	2.336526	2.783726	3.04601354	2.76048215	3.08339379	285	303	361
131616	NM_144638	TMEM42	transmembrane protein 42	-1.046890529	1.029752534	13.655643	13.069026	13.231959	3.81681978	3.75548863	3.85616495	514	656	651
3835	NM_001256269,NM_001256270	KIF22	kinesin family member 22	1.147723801	1.029636873	67.759873	77.799253	65.513719	7.13839801	7.33585851	7.1802397	5492	8422	6955
51136	NM_016125	RNFT1	ring finger protein, transmembrar	1.026174142	1.029547992	4.572137	4.702465	4.426209	3.32067256	3.35427048	3.35854542	353	484	447
94134	NM_001270695,NM_001270696	ARHGAP12	Rho GTPase activating protein 1	-1.01200989	1.029486425	16.508893	16.349207	15.9096	6.34988034	6.33286878	6.39129989	3163	4176	4005
64927	NM_001288615,NM_001288616	TTC23	tetratricopeptide repeat domain 2	1.71945846	1.029457608	3.661414	6.842836	3.688912	3.88556162	4.62619813	3.92465818	541	1243	685
9825	NM_001135773,NM_006038	SPATA2	spermatogenesis associated 2	-1.041194611	1.029342637	6.60069	6.474101	6.510648	4.78750079	4.73140553	4.82773844	1045	1341	1323
28232	NM_001145044,NM_013272,NR	SLCO3A1	solute carrier organic anion trans	-2.240649811	1.029325408	21.960457	9.863068	22.065165	6.62172853	5.47582432	6.66301144	3827	2282	4845
285381	NM_001047434,NM_206831	DPH3	diphthamide biosynthesis 3	-1.077500157	1.02931587	3.244132	3.004597	3.121958	3.77984319	3.68025029	3.81854297	500	620	633
221393	NM_001347855,NM_153838	ADGRF4	adhesion G protein-coupled rece	-1.141715884	1.029276207	2.320009	2.031028	2.249484	3.03260384	2.86610484	3.06922486	282	330	357
3306	NM_021979	HSPA2	heat shock protein family A (Hsp	1.405105389	1.029164562	2.232327	3.145859	2.158929	2.81488929	3.24537964	2.85055786	237	445	300
399665	NM_001035254,NM_203305	FAM102A	family with sequence similarity 10	-1.601411224	1.029164393	11.530611	7.142238	11.00573	5.47588426	4.81585323	5.51644141	1708	1425	2162
65109	NM_023010,NM_080632	UPF3B	UPF3 regulator of nonsense tran	1.001388223	1.029107638	21.295887	21.396221	20.640322	5.65429253	5.65625432	5.69487827	1938	2593	2453

57332	NM_020649	CBX8	chromobox 8	1.137409685	1.028936612	5.984325	6.816743	5.788617	3.32434579	3.49264009	3.36145532	354	538	448
51110	NM_016027	LACTB2	lactamase beta 2	-1.502845223	1.028917256	15.469631	10.307449	14.959051	4.60927912	4.05092325	4.64874869	919	817	1163
6911	NM_004608	TBX6	T-box 6	-1.929383835	1.028870263	10.331454	5.354951	9.983808	4.25817433	3.37827344	4.29712434	712	493	901
7770	NM_001289166,NM_001289167	ZNF227	zinc finger protein 227	-1.4018123	1.028826536	5.882271	4.200359	5.760492	4.19938147	3.74321825	4.23818553	682	650	863
3600	NM_000585,NM_172175,NR_03	IL15	interleukin 15	-2.68012881	1.028687286	3.094039	1.148631	3.381311	3.01906833	1.86782539	3.0549154	279	139	353
143888	NM_153705	KDELC2	KDEL motif containing 2	-1.011238232	1.028539896	13.915057	13.78136	13.454785	5.893137	5.87728612	5.93306293	2294	3031	2902
5599	NM_001278547,NM_001278548	MAPK8	mitogen-activated protein kinase	-1.267424899	1.028426707	7.351303	5.925006	6.978236	5.43654533	5.10350222	5.47606585	1661	1751	2101
91433	NM_001017919,NM_033544	RCCD1	RCC1 domain containing 1	-1.672719993	1.028243534	18.279693	11.005993	17.733513	5.63223546	4.90942294	5.67162056	1908	1524	2413
9588	NM_004905	PRDX6	peroxiredoxin 6	-1.223687954	1.028195924	272.787903	223.175064	263.572571	8.79621446	8.50570251	8.83624091	17414	19014	22022
8975	NM_003940	USP13	ubiquitin specific peptidase 13 (is	1.210048239	1.027973031	3.216183	3.897216	3.107034	4.69263929	4.95801353	4.73092712	976	1578	1234
54901	NM_017774	CDKAL1	CDK5 regulatory subunit associa	-1.153747487	1.027849235	3.231486	2.809763	3.124953	3.50026652	3.31335619	3.53644652	405	469	512
22827	NM_001136033,NM_001271096	PUF60	poly(U) binding splicing factor 60	1.137645753	1.027824252	72.754952	82.884081	71.063462	7.09147705	7.27625145	7.13078507	5315	8079	6719
286053	NM_001349485,NM_001349486	NSMCE2	NSE2/MMS21 homolog, SMC5-9	-1.153999661	1.027783736	39.168164	34.007014	38.636192	5.56939302	5.3674088	5.60811055	1825	2113	2307
8209	NM_001320383,NM_001320384	C21orf33	chromosome 21 open reading fra	1.22024932	1.027687834	31.213302	37.82633	29.228638	5.62182561	5.90371192	5.66044042	1894	3088	2394
51490	NM_016390	SPOUT1	SPOUT domain containing methy	-1.223206699	1.027582895	18.710297	15.312962	18.069218	6.30550396	6.01889027	6.34427044	3066	3349	3875
1979	NM_004096	EIF4EBP2	eukaryotic translation initiation fa	-1.353957099	1.027552872	6.84647	5.061733	6.611152	5.67817204	5.25090169	5.71663112	1971	1945	2491
7170	NM_001043351,NM_001043352	TPM3	tropomyosin 3	-1.00797168	1.02750664	84.633689	84.386972	83.002104	8.09749203	8.0860788	8.13649914	10714	14202	13540
64777	NM_001288794,NM_001288795	RMND5B	required for meiotic nuclear divisi	1.010943582	1.027433634	10.67057	10.715508	10.300843	4.42483953	4.43981671	4.46209528	804	1086	1016
400931	NR_027033,NR_110479	MIRLET7BHG	MIRLET7B host gene	1.410603179	1.027280138	0.822799	1.168414	0.790484	2.25390578	2.65962865	2.28470378	148	279	187
54965	NM_001166304,NM_017861	PIGX	phosphatidylinositol glycan ancho	1.338361978	1.027266244	15.73466	21.159268	15.254169	5.5786497	5.99148667	5.61666065	1837	3285	2321
5611	NM_006260	DNAJC3	DnaJ heat shock protein family (H	-1.342121594	1.027163884	10.428357	7.776347	10.066785	5.85237594	5.43635529	5.89038369	2229	2219	2816
3344	NM_002158	FOXN2	forkhead box N2	-1.312143517	1.027083386	5.508508	4.204257	5.317544	4.92206677	4.54487907	4.9593683	1151	1172	1454
5493	NM_002705	PPL	periplakin	-1.032496375	1.02700854	61.448418	59.582691	59.305077	8.54777426	8.50176247	8.58612134	14653	18962	18509
282969	NM_001098483,NM_001301827	FUOM	fucose mutarotase	-1.450034292	1.026985129	3.958143	2.641315	3.906529	1.96484452	1.58576189	1.99354404	114	105	144
9080	NM_020982	CLDN9	claudin 9	1.511226161	1.026948563	9.254685	14.01433	8.934527	4.28481203	4.85534316	4.32123795	726	1466	917
56946	NM_001300942,NM_001300943	EMSY	EMSY, BRCA2 interacting transc	1.213624939	1.026938137	4.586593	5.574355	4.41815	4.98607799	5.25738748	5.02323609	1205	1954	1522
9530	NM_001204878,NM_004874	BAG4	BCL2 associated athanogene 4	1.000458238	1.026911212	5.191918	5.227412	5.018696	4.55247036	4.55310322	4.58917433	882	1179	1114
7738	NM_001318891,NM_001318892	ZNF184	zinc finger protein 184	-1.359549781	1.026879281	2.703498	2.024332	2.614308	3.29469475	2.90334193	3.3291189	346	340	437
26777	NR_002911	SNORA71A	small nucleolar RNA, H/ACA box	1.650768677	1.026853218	3.600038	5.950241	3.421725	0.56944351	0.84852988	0.58209675	19	42	24
51634	NM_016024	RBMX2	RNA binding motif protein, X-link	-1.031562844	1.026765235	22.135359	21.483141	21.360405	5.36166293	5.31793524	5.39885696	1575	2040	1989
92106	NM_001330670,NM_001330671	OXNAD1	oxidoreductase NAD binding don	1.045667679	1.026394193	2.049329	2.306534	2.163759	3.03260384	3.08932884	3.06566078	282	394	356
144100	NM_001329630,NM_001329631	PLEKHA7	pleckstrin homology domain cont	-2.412357218	1.026295867	29.489949	12.223989	28.790613	7.21731642	5.96046406	7.2545154	5803	3214	7325
1635	NM_001012732,NM_001351743	DCTD	dCMP deaminase	1.046610685	1.026109307	50.090139	53.64822	49.627155	6.73023514	6.79535639	6.76707475	4129	5774	5211
594	NM_000056,NM_001318975,NM	BCKDHB	branched chain keto acid dehydr	1.195751152	1.025950553	5.026782	5.869248	4.238839	3.85032677	4.09182073	3.88476293	527	842	665
29058	NM_001009923,NM_001009924	TMEM230	transmembrane protein 230	1.187014869	1.025688647	75.991261	90.191701	73.608078	6.82143402	7.06676638	6.85770828	4401	6980	5552
10309	NM_021147,NR_125346,NR_12	CCNO	cyclin O	-2.663426262	1.025576569	11.689976	4.650509	11.357464	4.15055879	2.86610484	4.18497252	658	330	830
81556	NM_001136043,NM_001207058	INTS14	integrator complex subunit 14	-1.000819711	1.025509116	20.415948	20.192518	19.181773	5.67529852	5.67413949	5.71093841	1967	2626	2481
28989	NM_001286796,NM_001286797	NTMT1	N-terminal Xaa-Pro-Lys N-methy	1.165144639	1.025508868	37.667108	44.039843	35.810556	5.81173868	6.02861267	5.84744145	2166	3372	2732
27	NM_001136000,NM_001136001	ABL2	ABL proto-oncogene 2, non-rece	-1.392984132	1.025349471	12.228947	9.163412	12.076371	7.14334521	6.66916033	7.17920932	5511	5286	6950
9659	NM_001002810,NM_001002811	PDE4DIP	phosphodiesterase 4D interacting	-1.35735053	1.025272523	6.196736	4.662449	5.916861	5.48903517	5.05964438	5.52425285	1724	1697	2174
2628	NM_001321015,NM_001482	GATM	glycine amidinotransferase	-1.098704812	1.025221987	9.68715	8.812499	9.337132	4.66683165	4.53660777	4.70137402	958	1165	1208
80174	NM_025104,NM_145663,NR_03	DBF4B	DBF4 zinc finger B	1.03670422	1.025190004	20.962281	21.684121	20.025772	6.10121435	6.15247651	6.1365907	2656	3679	3349
89970	NM_001305163,NM_001305164	RSPRY1	ring finger and SPRY domain cor	1.018344122	1.025172624	11.66929	11.519451	11.475163	5.30608931	5.33165924	5.34106306	1514	2060	1909
57559	NM_020799	STAMBPL1	STAM binding protein like 1	-1.390713863	1.025145302	6.028211	4.339912	5.807724	3.7336304	3.29945612	3.76680378	483	464	609
11159	NM_001306158,NM_001306159	RABL2A	RAB, member of RAS oncogene	1.262728666	1.025137524	2.874143	6.804665	2.737858	2.64904502	3.69306567	2.67922768	207	626	261
79041	NM_024074	TMEM38A	transmembrane protein 38A	1.647720585	1.02511034	1.997937	1.832789	1.070019	1.46336426	1.98260273	1.4863075	69	152	87
10521	NM_001098504,NM_006386	DDX17	DEAD-box helicase 17	1.522462454	1.025108325	243.798237	371.593766	234.681397	10.15271063	10.75868348	10.18845605	44652	90831	56298
3482	NM_000876	IGF2R	insulin like growth factor 2 recept	1.306763024	1.025078164	5.484999	7.177728	5.285247	6.24816313	6.62971046	6.28343397	2945	5142	3713
9702	NM_001243776,NM_001243777	CEP57	centrosomal protein 57	-1.475646878	1.024881564	21.762553	14.724529	20.985536	6.08885029	5.53752208	6.12379429	2633	2384	3319
65979	NM_001048183,NM_001350158	PHACTR4	phosphatase and actin regulator	-1.188243869	1.024709864	8.407094	7.111873	8.103934	5.70518879	5.46153982	5.7397392	2009	2259	2532
54927	NM_001317177,NM_001317178	CHCHD3	coiled-coil-helix-coiled-coil-helix c	-1.17233466	1.024690285	20.486476	17.513876	19.71283	5.10295837	4.88077062	5.13713733	1310	1493	1651
57396	NM_020666	CLK4	CDC like kinase 4	-1.013953294	1.024655478	12.700832	12.547695	12.230948	5.00107303	4.98170859	5.03513062	1218	1605	1535
57232	NM_001037735,NM_001190255	ZNF630	zinc finger protein 630	-1.18930973	1.024647965	1.340268	1.124243	1.296778	2.23841445	2.04488597	2.26619062	146	164	184
275	NM_000481,NM_001164710,NM	AMT	aminomethyltransferase	-1.219556228	1.024570743	6.189067	5.148105	5.988259	3.75828027	3.49508138	3.79074812	492	539	620
2189	NM_004629	FANCG	Fanconi anemia complementatio	-1.005429654	1.024569025	12.717751	12.666791	12.253098	5.07051892	5.06293923	5.10450913	1280	1701	1613
5331	NM_000932,NM_001184883,NM	PLCB3	phospholipase C beta 3	1.195054918	1.02454175	15.548493	18.63741	14.030243	6.3381189	6.59229025	6.37267168	3137	5009	3953
6827	NM_003168,NR_073470	SUPT4H1	SPT4 homolog, DSIF elongation	1.027010011	1.0243314	39.915682	41.029269	38.418469	5.91644377	5.95426739	5.95056045	2332	3200	2938
4615	NM_001172566,NM_001172567	MYD88	myeloid differentiation primary re	-1.165476988	1.024303296	20.397105	17.61779	19.910351	5.8421633	5.62538694	5.87621116	2213	2537	2788
2669	NM_005261,NM_181702	GEM	GTP binding protein overexpress	1.619700896	1.024221201	2.762037	4.566396	2.699903	2.78321062	3.39667017	2.81278744	231	500	291
152815	NM_001317791,NM_144721,NR	THAP6	THAP domain containing 6	1.150933646	1.024205813	5.276047	5.41083	4.386052	3.75011035	3.9388238	3.782087	489	752	616
51162	NM_016215,NM_201446,NR_04	EGFL7	EGF like domain multiple 7	1.079368176	1.02418731	38.373928	41.420101	36.930454	5.63317847	5.74045883	5.66751164	1910	2752	2406
154	NM_000024	ADRB2	adrenoceptor beta 2	1.715739065	1.024186774	6.604263	6.356005	3.822202563	4.55778177	3.85410038	4.55778177	516	1183	650
54583	NM_022051	EGLN1	egl-9 family hypoxia inducible fac	1.595157537	1.024147749	4.683172	7.479848	4.506901	5.06064312	5.71816702	5.09405028	1271	2709	1601
114885	NM_022776	OSBPL11	oxysterol binding protein like 11	1.256086789	1.024077333	3.537322	4.454027	3.407929	4.0871111	4.39868427	4.11944434	628	1054	791
56993	NM_020243	TOMM22	translocase of outer mitochondria	1.361465742	1.024064554	56.209957	76.603851	54.09269	6.25683881	6.69699562	6.29070334	2963	5390	3732
1528	NM_001190807,NM_001914,NM	CYB5A	cytochrome b5 type A	-1.108845792	1.023826537	66.761023	60.228928	64.273696	5.79264085	5.6464045	5.82600807	2137	2575	2691
4793	NM_001243116,NM_002503,NR	NFKBIB	NFKB inhibitor beta	-1.113191603	1.023782939	25.881641	21.767913	21.956925	5.3643416	5.2135877	5.39743997	1578	1894	1987
132660	NM_001115007,NM_001115008	LIN54	lin-54 DREAM MuvB core compl	1.088924074	1.023771921	3.919003	4.532753	3.863517	4.57884974	4.69682839	4.61134568	899	1308	1132
80714	NM_025245,NR_038198	PBX4	PBX homeobox 4	-1.488177163	1.02371163	11.246681	7.580567	10.817042	4.26200996	3.72461474	4.2940816	714	641	899
54414	NM_001199922,NM_170601	SIAE	sialic acid acetylesterase	-2.052491764	1.023702585	9.891171	4.615509	9.522222	4.85888706	4.37277297	4.89153539	1100	716	1385
29890	NM_013286	RBM15B	RNA binding motif protein 15B	1.227243732	1.023514554	8.004725	9.836742	7.700651	5.72129859	6.01166181	5.75420361	2032	3332	2558
29928	NM_013337	TIMM22	translocase of inner mitochondria	1.167993444	1.023428963	5.026513	5.87928	4.835718	3.38540081	3.58949269	3.4156568	371	579	467
57798	NM_021167,NR_052016	GATAD1	GATA zinc finger domain contain	-1.798159831	1.023427111	12.906921	7.191258	12.349689	5.87007592	5.04305632	5.90292115	2257	1677	2841
1373	NM_001122633,NM_001122634	CPS1	carbamoyl-phosphate synthase 1	1.496198717	1.023109547	5.426422	8.131755	5.221717	4.97560474	5.54166104	5.00753225	1196	2391	1505
1534	NM_001017916,NM_001017917	CYB561	cytochrome b561	-1.122208004	1.023102334	55.042532	49.348813	53.238346	7.36595076	7.20067615	7.39870427	6437	7664	8100
642587	NR_145433,NR_145434,NR_14	MIR205HG	MIR205 host gene	2.424620765	1.023078883	62.038125	150.248085	60.021109	5.86756061	7.13076777	5.89992208	2253	7299	2835
65250	NM_023073	C5orf42	chromosome 5 open reading fran	1.075274169	1.02286413	0.949395	1.012932	0.90483	3.43975703	3.58949269	3.52351414	403	579	507
100507437	NR_125384,NR_125385	LOC100507437	uncharacterized LOC100507437	2.096659293	1.022788078	0.53206	1.065943	0.482841	0.83964067	1.41062362	0.85412573	31	87	39
892	NM_001013399,NM_005190	CCNC	cyclin C	1.0468183	1.022634459	24.059288	25.210333	23.121099	5.78266256	5.84750424	5.8143746	2122	2968	2669
54554	NM_019069	WDR5B	WD repeat domain 5B	1.254084408	1.022535142	3.466865	4.356189	3.334053	3.9199564	4.22720295	3.95001076	555	930	698
84726	NM_013318	PRRC2B	proline rich coiled-coil 2B	1.123682337	1.022444931	29.170813	32.815742	28.027821	8.29971037	8.46744197	8.33163329	12332	18515	15508
58509	NM_001080543,NM_021231	CACTIN	cactin, spliceosome C complex s	1.186872327	1.022379836	14.245793	17.018063	13.911791	5.60833019	5.85084386	5.63961583	1876	2975	2359
3566	NM_000418,NM_001257406,NM	IL4R	interleukin 4 receptor	-2.081903157	1.021975344	27.273838	13.265998	26.298807	6.6269432	5.58470447	6.65799057	3841	2465	4828
64743	NM_001166426,NM_001347217	WDR13	WD repeat domain 13	1.00634015	1.021804463	10.157806	10.617771	10.724071	4.5618359	4.57057009	4.59165471	888	1194	1116
51574	NM_001267039,NM_015454,NM	LARP7	La ribonucleoprotein domain fam	-1.030616289	1.021757077	25.950897	25.889525	25.098385	5.85935542	5.81660668	5.88987992	2240	2904	2815
317671	NM_001131065,NM_001131066	RFESD	Rieske Fe-S domain containing	-1.063351893	1.021494599	0.917884	0.983943	1.128668	1.57857476	1.52015496	1.59908548	78	98	98
51573	NM_001324066,NM_001324067	GDE1	glycerophosphodiester phosphoc	1.509626467	1.021492624	40.178693	60.743134	38.574843	6.85737282	7.44736949	6.88779054	4513	9103	5670
4650	NM_001130065,NM_004145	MYO9B	myosin IXB	-1.018064166	1.021404328	12.484027	12.268886	11.97475	6.54745809	6.52190742	6.57768983	3633	4768	4564
3770	NM_013348	KCNJ14	potassium voltage-gated channel	-1.569356008	1.021346608	3.326331	2.123622	3.195707	3.35699061	2.78463118	3.38452567	363	309	456
375616	NM_001135914,NM_199349	KCP	kielin/chordin-like protein	-1.68714324	1.021317157	4.611216	2.716621	4.407184	4.43846184	3.72876963	4.46750731	812	643	1020
84295	NM_001015877,NM_032335,NM	PHF6	PHD finger protein 6	1.108418218	1.021247455	12.709977	14.006688	12.380487	5.82281754	5.96883147	5.85262116	2183	3233	2742
51073	NM_015956,NM_146387,NM_14	MRPL4	mitochondrial ribosomal protein L	1.196751037	1.021095122	33.558191	41.088668	33.643027	5.7268601	5.98150995	5.75641609	2040	3262	2562
170622	NM_001287392,NM_001287393	COMMD6	COMM domain containing 6	1.15752521	1.020903827	10.76887	12.519616	10.398287	4.25047234	4.451177	4.27877089	708	1095	889
3150	NM_004965	HMGN1	high mobility group nucleosome b	-1.06818371	1.020808352	222.257263	208.304688	213.212585	8.14564895	8.05083553	8.17525744	11079	13858	13910
23552	NM_001039803,NM_001170639	CDK20	cyclin dependent kinase 20	1.431869306	1.020703207	2.50902	3.669444	2.571668	2.78321062	3.23665287	2.80852903	231	442	290
200539	NM_144994	ANKRD23	ankyrin repeat domain 23	1.253753144	1.020703207	2.330534	2.931753	2.239237	2.78321062	3.06652959	2.80852903	231	387	290
116986	NM_001122772,NM_014770	AGAP2	ArfGAP with GTPase domain, an	-2.126008462	1.020613782	0.49402	0.194889	0.405572	1.76310734	1.08728891	1.78395874	94	59	118
5026	NM_001204519,NM_001204520	P2RX5	purinergic receptor P2X 5	1.208653194	1.02061071	8.061275	9.790016	7.763206	4.2524017	4.5127108	4.2803093	709	1145	890
1200	NM_000391	TPP1	tripeptidyl peptidase 1	-1.295021312	1.020601159	41.763954	32.288708	40.057934	7.17674682	6.80670178	7.20596529	5641	5820	7081

84513	NM_001102559,NM_001102560	PLPP5	phospholipid phosphatase 5	-1.190721043	1.020597405	18.755216	15.098203	14.741036	4.58192172	4.34149855	4.61012283	901	1011	1131
51027	NM_001321025,NM_001321026	BOLA1	bolA family member 1	-1.177131358	1.020597	13.874023	11.874545	12.923715	3.70855202	3.49264009	3.73574288	474	538	595
85007	NM_001278346,NM_153373,NR	PHYKPL	5-phosphohydroxy-L-lysine phos	1.196772734	1.020575193	11.107632	11.811469	10.173947	4.51438809	4.76314913	4.542501	858	1372	1077
7314	NM_001281716,NM_001281717	UBB	ubiquitin B	1.158935939	1.020508782	344.458272	399.302806	330.170124	8.67764974	8.88996862	8.70686773	16037	24833	20129
353274	NM_181489	ZNF445	zinc finger protein 445	1.289708537	1.020493626	2.480293	3.20288	2.379265	4.68694402	5.04138697	4.71508918	972	1675	1220
285315	NM_001308229,NM_173657	C3orf33	chromosome 3 open reading fran	1.176063211	1.020455997	5.614473	6.504935	5.383469	3.45742019	3.67164303	3.48400652	392	616	492
2059	NM_004447	EPS8	epidermal growth factor receptor	1.17252824	1.020280756	22.979021	26.976627	22.032791	6.52887435	6.75620254	6.55753084	3586	5618	4500
23443	NM_001271684,NM_001271685	SLC35A3	solute carrier family 35 member /	-1.195281575	1.020207049	6.369548	5.254974	6.052757	5.20511061	4.95535656	5.23319995	1409	1575	1768
4204	NM_001110792,NM_001316337	MECP2	methyl-CpG binding protein 2	1.232149027	1.020096534	8.959439	10.250675	9.819391	6.11718378	6.4144501	6.14548112	2686	4422	3370
83642	NM_031454	SELENOO	selenoprotein O	1.158394875	1.019995291	13.71376	15.907858	13.149861	4.99647575	5.20242678	5.02415454	1214	1879	1523
8382	NM_003551	NME5	NME/NM23 family member 5	2.691073648	1.019968611	1.158841	3.157288	1.109778	1.26358189	2.255369	1.28032816	55	198	69
51657	NM_001317785,NM_001317786	STYXL1	serine/threonine/tyrosine interact	-1.262651534	1.01979821	31.649982	24.374148	29.403676	5.13573004	4.80998247	5.16321914	1341	1419	1682
64718	NM_001037125,NM_001193388	UNKL	unkempt family like zinc finger	-1.156657316	1.019757797	14.133641	12.835404	14.309077	5.89745874	5.69127348	5.92521761	2301	2658	2886
124044	NM_152339	SPATA2L	spermatogenesis associated 2 lik	1.237563605	1.019714093	3.996189	4.958507	3.834964	3.33894587	3.61889232	3.36435937	358	592	449
23295	NM_001142289,NM_001142290	MGRN1	mahogunin ring finger 1	1.197198671	1.019644416	9.35616	12.155196	8.907487	5.37146049	5.62538694	5.39885696	1586	2537	1989
85360	NM_001300910,NM_033025	SYDE1	synapse defective Rho GTPase h	1.240805747	1.019616933	2.430864	3.015837	2.327809	3.14071816	3.41998355	3.16560381	307	509	385
54665	NM_018364,NR_130896	RSBN1	round spermatid basic protein 1	1.017349775	1.019536861	2.735952	2.769629	2.607349	4.22121804	4.24471769	4.24765323	693	942	869
23262	NM_001276277,NM_001281471	PPIP5K2	diphosphoinositol pentakisphospl	-1.274076863	1.019531168	6.041837	4.738549	5.798067	5.47340506	5.13280125	5.5006905	1705	1788	2138
404734	NM_020690	ANKHD1-EIF4EBP3	ANKHD1-EIF4EBP3 readthrough	1.013747033	1.019472682	14.512292	14.728711	13.904081	6.89460161	6.91413532	6.92219377	4632	6274	5808
7260	NM_001330530,NM_001330531	TSSC1	tumor suppressing subtransferab	1.259042541	1.0194219	16.054524	20.164587	15.373003	4.87275002	5.19493791	4.89956551	1111	1869	1393
348327	NM_001321981,NM_020880,NR	ZNF530	zinc finger protein 530	1.118493495	1.019381875	6.705823	6.822755	5.983143	4.71659644	4.8723445	4.74325038	993	1484	1245
8398	NM_001004426,NM_001199562	PLA2G6	phospholipase A2 group VI	-1.244970035	1.01928469	4.741068	4.172331	4.79489	4.05872616	3.76361129	4.08464905	615	660	771
11329	NM_001305102,NM_007271	STK38	serine/threonine kinase 38	-1.480808566	1.019208496	25.29613	17.10026	24.231585	6.49830814	5.93955479	6.52545742	3510	3167	4400
607	NM_004326	BCL9	B-cell CLL/lymphoma 9	1.356187369	1.019188454	3.27884	4.455962	3.142783	4.37789078	4.79915696	4.40400834	777	1408	974
92	NM_001278579,NM_001278580	ACVR2A	activin A receptor type 2A	1.976040154	1.019118774	2.159754	4.272634	2.067496	3.59149522	4.51391509	3.61657686	434	1146	544
80000	NM_001142966	GREB1L	growth regulation by estrogen in	-1.015476322	1.019113449	4.677363	4.609697	4.479599	5.44331753	5.42167258	5.47001198	1669	2196	2092
100506649	NR_038924	PXN-AS1	PXN antisense RNA 1	-1.065954748	1.018995404	2.565443	2.396564	2.451229	1.54118428	1.48128072	1.5590879	75	94	94
8914	NM_001330295,NM_003920,NR	TIMELESS	timeless circadian clock	-1.21002709	1.018932106	18.053834	14.921262	16.262641	6.52249295	6.25073686	6.5492601	3570	3942	4474
222161	NR_002186	DKFZP586I1420	uncharacterized protein DKFZp5	-1.431849191	1.01886062	4.547096	3.179656	4.357412	3.71975182	3.24827687	3.74468587	478	446	599
147372	NM_13459	CCBE1	collagen and calcium binding EG	-2.633004277	1.01885981	0.329405	0.122429	0.314622	1.59082596	0.81765451	1.60891398	40	79	99
81488	NM_001018102,NM_015532	POLR2M	RNA polymerase II subunit M	-1.289073086	1.018783308	7.992803	6.236797	7.648987	5.10935964	4.75602386	5.13543833	1316	1364	1649
340252	NM_001130022,NM_178558	ZNF680	zinc finger protein 680	-1.666841978	1.018749603	7.936739	4.7862	7.78344	4.6062649	3.90800961	4.63197698	917	735	1149
83461	NM_001297602,NM_001297603	CDCA3	cell division cycle associated 3	-1.065142182	1.018561074	36.648233	34.346595	35.095721	5.98128127	5.89171805	6.00739874	2441	3062	3058
10531	NM_001242307,NM_001242309	PITRM1	pitrilysin metallopeptidase 1	1.166150482	1.018538883	17.437385	20.039946	16.994818	5.94177327	6.16018847	5.96784829	2374	3699	2974
65080	NM_022915	MRPL44	mitochondrial ribosomal protein L	1.201526137	1.018509662	22.148088	26.640963	21.191196	5.27415876	5.53277726	5.29994267	1480	2376	1854
162968	NM_001207009,NM_198458	ZNF497	zinc finger protein 497	1.19094711	1.018488106	1.395801	1.66777	1.335123	2.52045395	2.73178769	2.54232458	186	296	233
64375	NM_001351089,NM_001351090	IKZF4	IKAROS family zinc finger 4	-1.16112348	1.018476137	3.285368	2.90347	3.385889	4.14848821	3.94597954	4.17342809	657	756	823
55033	NM_017946,NR_046478,NR_04	FKBP14	FK506 binding protein 14	-1.157634866	1.018344542	6.105034	5.321171	5.900647	4.98026891	4.77625587	5.00567345	1200	1385	1503
10048	NM_005493	RANBP9	RAN binding protein 9	-1.246140352	1.018226308	13.38638	10.749459	12.809285	5.37766084	5.06868717	5.40309959	1593	1708	1995
5118	NM_002593	PCOLCE	procollagen C-endopeptidase enl	-3.3946764	1.018042273	3.7659	1.105384	3.613052	2.7991369	1.4614436	2.82126674	234	92	293
6991	NM_174910,NR_138070	TCTE3	t-complex-associated-testis-expr	1.247175695	1.017949811	1.551013	1.931023	1.481605	2.04717061	2.29513766	2.06668624	123	205	154
51172	NM_016256	NAGPA	N-acetylglucosamine-1-phosphoc	1.229084027	1.017552146	9.693295	11.933575	9.269038	4.45027676	4.73554094	4.47424393	819	1345	1025
55904	NM_018682,NM_182931	KMT2E	lysine methyltransferase 2E	-1.321809236	1.017490524	9.866669	7.471188	9.434707	6.06489791	5.66928366	6.08954382	2589	2617	3240
54788	NM_001002762,NM_017626	DNAJB12	DnaJ heat shock protein family (I	-1.128718767	1.017318483	20.011577	18.064893	18.774924	6.1914686	6.01931435	6.21590487	2830	3350	3541
55491	NM_018725	IL17RB	interleukin 17 receptor B	-1.118670038	1.017267784	2.694596	2.415383	2.583418	2.67229041	2.53704518	2.69315397	211	252	264
64428	NM_001304799,NM_022493	NUFIP1	nuclear prelamin A recognition fa	-1.082195187	1.017226596	16.254267	15.031182	15.452355	5.01781102	5.12839479	5.15233896	1334	1647	1669
284129	NM_001166347,NM_001166348	SLC26A11	solute carrier family 26 member	-1.90910438	1.017142192	2.168306	1.138339	2.065296	2.84588727	2.08433212	2.86703245	243	170	304
284403	NM_001083961,NM_173636	WDR62	WD repeat domain 62	-1.107438509	1.017104939	16.986755	15.356083	16.24285	6.3119937	6.16671138	6.3361577	3080	3716	3853
200576	NM_001178000,NM_015040,NM	PIKFYVE	phosphoinositide kinase, FYVE-t	1.134019253	1.017045689	5.333586	6.111497	4.933146	5.6564798	5.83454993	5.6803862	1941	2941	2428
81611	NM_001136478,NM_001136479	ANP32E	acidic nuclear phosphoprotein 32	-1.049468829	1.016967342	40.244353	38.229157	38.440653	7.08282885	7.01369446	7.10692514	5283	6726	6608
9442	NM_001253881,NM_001253882	MED27	mediator complex subunit 27	1.286716237	1.016884423	20.082138	25.868596	19.142314	4.81386993	5.16612031	4.83717616	1065	1831	1332
55039	NM_017956	TRMT12	tRNA methyltransferase 12 homc	1.018254633	1.016835432	13.729128	13.998306	13.120143	4.93893692	4.96419416	4.96224642	1165	1585	1457
5605	NM_030662	MAP2K2	mitogen-activated protein kinase	1.084051085	1.01671554	68.630974	74.488144	65.581696	6.86810801	6.9835855	6.89182163	4547	6586	5686
255919	NM_001281789,NM_153261,NR	CNEP1R1	CTD nuclear envelope phosphata	-2.282259423	1.016495574	13.840856	5.919014	12.913343	4.86772434	3.73910482	4.89052847	1107	648	1384
284273	NM_001306093,NM_175907	ZADH2	zinc binding alcohol dehydrogena	-1.416046282	1.016470117	8.749914	6.200339	8.369876	6.06325022	5.57030594	6.08646939	2586	2440	3233
25782	NM_012414	RAB3GAP2	RAB3 GTPase activating non-cat	1.12817827	1.016463178	9.659024	10.908341	9.224268	6.12773269	6.29938812	6.15095739	2706	4079	3383
347862	NM_001318818,NM_001318820	GATD1	glutamine amidotransferase like c	1.311413068	1.016312814	13.498789	17.50436	12.83319	5.86188507	6.24712059	5.8848325	2244	3932	2805
2952	NM_000853,NM_001293807,NM	GSTT1	glutathione S-transferase theta 1	-1.303796409	1.016311366	20.374322	15.53447	19.527422	4.43166676	4.06906113	4.45393896	808	828	1010
84314	NM_001351278,NM_001351279	TMEM107	transmembrane protein 107	1.165109429	1.016306704	3.168068	3.730074	3.023404	2.94941774	3.14324318	2.96976228	264	411	330
7099	NM_003266,NM_138554,NM_13	TLR4	toll like receptor 4	8.908768173	1.016291885	0.37731	3.523938	0.360239	1.65056839	4.32786827	1.66651905	84	1001	105
285986	NM_001130025,NM_001130026	TCAF2	TRPM8 channel associated factc	2.109534038	1.016281035	0.304863	0.640926	0.288444	1.27880673	2.0933309	1.29257653	56	158	70
402573	NM_001004323	C7orf61	chromosome 7 open reading fran	-1.175286408	1.016272168	1.136706	0.966318	1.081768	1.08456011	0.96581954	1.09694451	44	50	55
619498	NR_002579	SNORD74	small nucleolar RNA, C/D box 74	-1.039051175	1.01624857	9.821271	9.574389	9.713768	0.77668602	0.75384785	0.78645063	28	36	35
282679	NM_173039	AQP11	aquaporin 11	-1.391779045	1.016237778	0.289952	0.20229	0.276863	0.68823103	0.52452456	0.69713258	24	23	30
57491	NM_001242412,NM_020731	AHRR	aryl-hydrocarbon receptor repres	-1.06824733	1.016162628	0.055466	0.049684	0.049476	0.38477185	0.36283659	0.39027104	12	15	15
693175	NR_030321	MIR590	microRNA 590	1.059749296	1.016162628	2.998786	3.327293	2.988956	0.38477185	0.40498891	0.39027104	12	17	15
7940	NM_001166538,NM_007161,NM	LST1	leukocyte specific transcript 1	-1.986550784	1.016162628	0.397985	0.20206	0.390481	0.38477185	0.20477631	0.39027104	12	8	15
693158	NR_030299	MIR573	microRNA 573	-1.002073241	1.016162628	2.91989	2.983665	2.828622	0.38477185	0.38406669	0.39027104	12	16	15
728920	NR_146087,NR_146087_dup1	PDE4DIPP1	phosphodiesterase 4D interacting	-1.184729479	1.016088172	0.095937	0.080758	0.088854	0.26755841	0.2284445	0.27153692	8	9	10
619564	NR_002583	SNORD72	small nucleolar RNA, C/D box 72	-1.067926637	1.016088172	2.551372	2.304646	2.461426	0.26755841	0.25173066	0.27153692	8	10	10
23513	NM_015356,NM_182706	SCRIB	scribbled planar cell polarity prot	-1.009366791	1.016060089	28.49824	28.276441	27.153371	7.17114833	7.1577913	7.19397627	5619	7438	7022
9340	NM_004246	GLP2R	glucagon like peptide 2 receptor	2.577321332	1.015868861	0.02277	0.058779	0.017484	0.13997292	0.3412894	0.14214747	4	14	5
26785	NR_002913	SNORD63	small nucleolar RNA, C/D box 63	1.483922171	1.015868861	1.340823	2.243284	1.289284	0.13997292	0.20477631	0.14214747	4	8	5
102467147	NR_104664	LINC01948	long intergenic non-protein codin	1.666155364	1.015868861	0.155842	0.268747	0.151245	0.13997292	0.2284445	0.14214747	4	9	5
56964	NM_001284395,NM_001284396	WDR93	WD repeat domain 93	4.035186879	1.015868861	0.051349	0.194099	0.041384	0.13997292	0.50527715	0.14214747	4	22	5
644990	NR_046244	THRB-AS1	THRB antisense RNA 1	1.483922171	1.015868861	0.091668	0.159881	0.111778	0.13997292	0.20477631	0.14214747	4	8	5
100847079	NR_049825	MIR5193	microRNA 5193	-1.324521912	1.015868861	0.728015	0.668965	0.735644	0.13997292	0.10601836	0.14214747	4	4	5
100616380	NR_039818	MIR4671	microRNA 4671	-1.06698239	1.015868861	1.167375	1.302698	1.228087	0.13997292	0.13134883	0.14214747	4	5	5
9541	NM_004882	CIR1	corepressor interacting with RBP	1.158579748	1.015749759	31.602121	36.650814	30.157845	5.81173868	6.02058584	5.83388654	2166	3353	2706
378805	NR_015431,NR_024153,NR_03	LINC-PINT	long intergenic non-protein codin	-1.548439963	1.015746851	10.893846	7.084392	10.809981	4.83204569	4.22867066	4.85380339	1079	931	1348
8322	NM_012193	FZD4	frizzled class receptor 4	-1.150846095	1.015528175	0.919943	0.801835	0.879967	2.93507482	2.76048215	2.95442604	261	303	326
9265	NM_004227	CYTH3	cytohesin 3	-2.335864373	1.01546492	16.842985	7.214375	16.072701	6.21441445	5.01611219	6.23625978	2876	1645	3592
114112	NM_001173513,NM_052883	TXNRD3	thioredoxin reductase 3	1.2009698	1.015040602	5.801765	6.962556	5.524266	4.11282598	4.36304264	4.13313083	640	1027	799
4054	NM_001130144,NM_001164266	LTBP3	latent transforming growth factor	1.401818069	1.014802054	67.865112	95.302554	64.565121	8.2567505	8.7426952	8.27787479	11969	22418	14939
7157	NM_000546,NM_001126112,NM	TP53	tumor protein p53	1.142693854	1.014721777	17.071396	19.375199	15.916391	5.43654533	5.62482969	5.45714754	1661	2536	2073
26030	NM_001308147	PLEKHG3	pleckstrin homology and RhoGEF	1.029632556	1.014482989	20.66807	21.301199	19.702307	6.55997524	6.60166589	6.58050223	3665	5042	4573
60437	NM_001348204,NM_021810,NM	CDH26	cadherin 26	-1.158580035	1.014475123	1.248051	1.0459	1.143296	2.73434891	2.55587612	2.75199454	222	256	277
5297	NM_058004	PI4KA	phosphatidylinositol 4-kinase alpl	1.485340785	1.01445127	21.146074	31.444895	20.157801	7.12950257	7.69693513	7.15005577	5458	10832	6810
9645	NM_001282663,NM_001282664	MICAL2	microtubule associated monooxy	-1.26061903	1.014403164	4.183081	3.343922	4.131794	4.50470835	4.18699961	4.52443946	852	903	1063
4522	NM_005956	MTHFD1	methylenetetrahydrofolate dehyd	1.241390017	1.014376757	68.483109	85.107719	65.277931	7.85113824	8.16188254	7.87164353	9026	14971	11261
26751	NM_001159597,NM_001282682	SH3YL1	SH3 and SYLF domain containin	-1.121493114	1.014295066	32.163175	29.476915	33.369514	6.23651379	6.07340943	6.25672228	2921	3480	3644
9881	NM_001329998,NM_014831	TRANK1	tetratricopeptide repeat and anky	1.006642556	1.014277	0.985372	0.992999	0.939424	3.4839374	3.49264009	3.50257812	400	538	499
253769	NM_001202550,NM_001350623	WDR27	WD repeat domain 27	1.107780103	1.013789841	7.238798	7.933576	7.45394	4.42825718	4.56941219	4.44710663	806	1193	1005
9534	NM_001278661,NM_001278662	ZNF254	zinc finger protein 254	-1.342725207	1.013788841	5.560731	3.935992	4.942631	4.42825718	4.02581645	4.44710663	806	802	1005
7529	NM_003404,NM_139323	YWHAB	tyrosine 3-monooxygenase/tryptc	1.050428371	1.013759464	117.735065	123.485851	112.002193	8.49914316	8.56993004	8.51880458	14166	19882	17663
10920	NM_006710,NM_198189	COPS8	COP9 signalosome subunit 8	1.372675848	1.013545292	22.922031	31.505085	21.874365	5.68675843	6.13614594	5.70579569	1983	3637	2472
55612	NM_017671	FERMT1	fermitin family member 1	1.209566258	1.013522259	9.246817	11.197126	8.808133	5.56629422	5.83551351	5.58526687	1821	2943	2270
6651	NM_001291411,NM_001291412	SON	SON DNA binding protein	-1.289652238	1.01350124	34.541435	27.070184	33.682127	8.05584255	7.6904257	8.07511838	10408	10783	12974
284889	NR_038911	MIF-AS1	MIF antisense RNA 1	1.572353186	1.013356941	1.642184	2.59198	1.560812	2.17473011	2.70672986	2.18966672	138	290	172

7503	NR_001564	XIST	X inactive specific transcript (non	1.209348258	1.013344049	107.832375	130.550598	102.683746	10.98382266	11.25792943	11.00293738	79469	128409	99046
7569	NM_001007088,NM_001178099	ZNF182	zinc finger protein 182	1.089776911	1.01326368	3.491781	3.766653	3.326244	3.6887407	3.80355245	3.70628928	467	680	582
8581	NM_003695	LY6D	lymphocyte antigen 6 family mem	2.22644183	1.013075602	4.078798	9.145261	3.906992	2.07360076	3.02658682	2.08792485	126	375	157
79142	NM_001284517,NM_001284518	PHF23	PHD finger protein 23	1.422505582	1.01284632	12.938604	18.400108	12.230013	4.72217607	5.2143287	4.73989992	997	1895	1242
54455	NM_018994	FBXO42	F-box protein 42	1.278124567	1.012731356	4.04431	5.178078	3.85065	4.67692288	5.01865969	4.69446723	965	1648	1202
170959	NM_001319124,NM_001319126	ZNF431	zinc finger protein 431	1.223701846	1.012490398	5.659476	6.662145	5.824991	4.94491448	5.22760203	4.96224642	1170	1913	1457
23095	NM_015074,NM_183416	KIF1B	kinesin family member 1B	-1.116627578	1.012317445	4.745751	4.383003	4.256857	5.40826906	5.25306686	5.42551859	1628	1948	2027
132160	NM_001122870,NM_144641	PPM1M	protein phosphatase, Mg2+/Mn2+	1.186232488	1.012090935	2.998777	3.531304	2.776289	2.83562844	3.05002095	2.85055786	241	382	300
4939	NM_001032731,NM_002535,NM	OAS2	2′-5′-oligoadenylate synthetase 2	-3.370609505	1.012012339	13.044448	3.991668	11.747863	5.21404828	3.55012021	5.23081505	1418	562	1765
8605	NM_001159322,NM_001159323	PLA2G4C	phospholipase A2 group IVC	2.91989346	1.011974608	0.971386	2.815523	0.906101	1.76310734	2.99933041	1.77525664	94	367	117
54973	NM_001256456,NM_001256460	INTS11	integrator complex subunit 11	1.105291156	1.011954044	48.600128	53.748183	46.355133	6.68844815	6.83154513	6.70542715	4010	5922	4991
8560	NM_001321541,NM_001321542	DEGS1	delta 4-desaturase, sphingolipid	1.3582812	1.011864525	50.198652	68.371206	47.848864	6.67592393	7.11398966	6.6927751	3975	7214	4947
402483	NR_024368	LINC01000	long intergenic non-protein codin	-1.294844499	1.011835043	11.914993	9.212749	11.33015	6.90782119	6.53857084	6.92465517	4675	4824	5818
124454	NM_001083614,NM_001308211	EARS2	glutamyl-tRNA synthetase 2, mit	1.212095725	1.011795789	10.030216	12.0509	9.368023	5.27889898	5.5499035	5.29538508	1485	2405	1848
222699	NR_002936	TOB2P1	transducer of ERBB2, 2 pseudog	2.889453207	1.011767363	0.325509	0.944443	0.308866	1.10178443	2.11004283	1.11084509	45	174	56
7581	NM_001278170,NM_001278171	ZNF33A	zinc finger protein 33A	1.108971435	1.011636878	6.365942	7.120415	6.052628	5.2722583	5.41781761	5.28852158	1478	2190	1839
10989	NM_001100169,NM_001100170	IMMT	inner membrane mitochondrial pr	1.16007054	1.011570616	52.801083	61.273475	50.039898	7.26516164	7.47808301	7.2816517	6000	9300	7465
100506314	NR_038920	LOC100506314	uncharacterized LOC100506314	-1.46312954	1.011550639	4.473777	3.061414	4.261627	3.10699502	2.63327382	3.12165574	299	273	372
55326	NM_018361	AGPAT5	1-acylglycerol-3-phosphate O-ac	1.207334229	1.011418978	8.854778	10.704989	8.419098	5.60304769	5.86978051	5.61909426	1869	3015	2325
100379571	NR_037803	BACE1-AS	BACE1 antisense RNA	-1.043388851	1.011340497	2.569817	2.474692	2.455632	1.62696745	1.58576189	1.63800401	82	105	102
7326	NM_003342	UBE2G1	ubiquitin conjugating enzyme E2	-1.05634931	1.011292812	11.825778	11.211444	11.240676	5.62852628	5.55107715	5.6444023	1903	2407	2367
3455	NM_000874,NM_001289125,NM	IFNAR2	interferon alpha and beta recept	-1.497729824	1.011242646	4.194031	2.673348	3.931297	3.34979977	2.83560729	3.36435937	361	322	449
26003	NM_001201428,NM_015530	GORASP2	golgi reassembly stacking protei	1.294578581	1.011211773	39.694241	51.538736	37.716512	6.95182336	7.3216589	6.96777967	4821	8339	5996
152579	NM_152540	SCFD2	sec1 family domain containing 2	1.059175588	1.011160283	4.221724	4.481956	4.015373	3.8142098	3.8914258	3.82909231	513	726	638
31	NM_198834,NM_198836,NM_19	ACACA	acetyl-CoA carboxylase alpha	-1.031994585	1.011121693	14.095768	13.708655	13.430323	7.0513143	7.00622592	7.06715164	5168	6691	6427
8790	NM_001199328,NM_001199329	FPGT	fucose-1-phosphate guanylyltran	1.025023966	1.01100844	2.548222	2.672632	2.453742	3.66865353	3.70154644	3.68321628	460	630	572
201161	NM_181716	CENPV	centromere protein V	1.13235228	1.011005758	5.154574	5.848523	4.906445	2.77786255	2.93245472	2.79136857	230	348	286
4926	NM_001286561,NM_006185,NR	NUMA1	nuclear mitotic apparatus protein	1.071122968	1.011005051	38.513235	41.148136	36.31757	8.09332695	8.19210122	8.10905982	10683	15289	13284
5861	NM_004161,NM_015543	RAB1A	RAB1A, member RAS oncogene	1.076406363	1.010868643	66.956925	72.173436	63.958215	7.43553089	7.54116363	7.45103708	6757	9718	8401
404217	NM_206833	CTXN1	cortexin 1	4.031094224	1.010803674	1.522142	6.189056	1.455367	1.5285023	3.10539622	1.53866543	74	399	92
28972	NM_014041	SPCS1	signal peptidase complex subunit	1.019496527	1.010723842	71.967041	73.448334	68.337532	6.26594024	6.29343951	6.28113075	2982	4062	3707
91272	NM_001159651,NM_138369	BOD1	biorientation of chromosomes in	1.392594297	1.01055096	27.742774	38.736088	26.311427	5.73101721	6.20113534	5.74587647	2046	3807	2543
5296	NM_005027,NR_073517	PIK3R2	phosphoinositide-3-kinase regula	-1.054880238	1.010527043	6.90364	6.595328	6.578961	4.79942658	4.72518011	4.81399624	1054	1335	1310
6228	NM_001025	RPS23	ribosomal protein S23	-1.005690933	1.010503395	171.494965	170.714401	162.849472	9.11467889	9.10650665	9.12972608	21725	28863	27001
28982	NM_014053	FLVCR1	feline leukemia virus subgroup C	-1.058965692	1.010490233	6.762324	6.395994	6.422737	5.32637993	5.24583694	5.34106306	1536	1938	1909
148223	NM_152482	C19orf25	chromosome 19 open reading fra	1.252190452	1.010293145	10.17441	12.755408	9.654137	4.54619271	4.85819066	4.56033921	878	1469	1091
10152	NM_001282925,NM_001282926	ABI2	abl interactor 2	1.366366135	1.010241772	12.69568	17.521503	11.690995	6.3119937	6.75747409	6.32651073	3080	5623	3827
114897	NM_030968,NM_153372,NM_19	C1QTNF1	C1q and TNF related 1	-1.916412111	1.010150321	2.676843	1.354122	2.494519	3.09843961	2.30630165	3.11132089	297	207	369
101410543	NR_102710,NR_102711	XXYLT1-AS2	XXYLT1 antisense RNA 2	-2.886858339	1.010145536	4.084453	1.40213	3.861527	2.12505137	1.11294744	2.1362985	132	61	164
283687	NR_028330	ST20-AS1	ST20 antisense RNA 1	-1.571795699	1.010119773	0.40489	0.261965	0.392673	0.88013425	0.61708849	0.88680889	33	28	41
6472	NM_001166356,NM_001166357	SHMT2	serine hydroxymethyltransferase	-1.029945088	1.010086241	54.145201	52.716591	51.349795	6.92546251	6.88324948	6.9398228	4733	6140	5880
6498	NM_001145097,NM_001145098	SKIL	SKI like proto-oncogene	1.028684482	1.01004534	14.881024	15.387743	14.122872	6.71527492	6.7556936	6.72955881	4086	5616	5076
126695	NM_152365	KDF1	keratinocyte differentiation factor	1.015462162	1.009979696	14.436521	14.676217	13.691956	4.71938895	4.74069359	4.73317556	995	1350	1236
51547	NM_016538	SIRT7	sirtuin 7	-1.080728987	1.00995426	54.090996	50.117592	51.339836	6.52648463	6.41573924	6.54062077	3580	4426	4447
23597	NM_001326380,NM_001326381	HSBP2	heme binding protein 2	-1.3629761	1.009873682	34.535986	25.205627	32.537419	5.44669174	5.61185634	5.46054405	1640	2078	2078
26996	NM_014373	GPR160	G protein-coupled receptor 160	-1.387288522	1.009849784	12.671259	9.137454	12.023259	4.69121758	4.72483589	4.70481505	975	939	1211
8934	NM_001135662,NM_001135663	RAB29	RAB29, member RAS oncogene	1.318193698	1.009821036	4.551335	6.205274	4.76637	4.01393646	4.39083965	4.02716981	595	1048	739
6132	NM_000973,NM_001317771,NM	RPL8	ribosomal protein L8	-1.010799041	1.009763871	1369.488976	1369.823864	1325.321216	10.30666781	10.29118388	10.32067479	49685	65676	61706
1655	NM_001320595,NM_001320596	DDX5	DEAD-box helicase 5	1.149177778	1.009713511	259.66287	299.561334	246.41675	9.94005716	10.14046902	9.95398908	38527	59156	47846
4800	NM_002505,NM_021705	NFYA	nuclear transcription factor Y sub	-1.234421525	1.009532865	6.207815	5.034219	5.940831	5.26367512	4.96859275	5.27700936	1469	1590	1824
10360	NM_006993	NPM3	nucleophosmin/nucleoplasmin 3	-1.652272359	1.009504937	37.379581	22.656147	35.464577	5.04180235	4.34556265	5.05503907	1254	1014	1557
79819	NM_024763,NM_207014	WDR78	WD repeat domain 78	1.906453281	1.009268738	0.196423	0.372745	0.182778	0.79797761	1.26944952	0.80366934	29	74	36
79768	NM_024713	KATNBL1	katanin regulatory subunit B1 like	-1.470008737	1.009178172	12.777184	8.703258	12.117358	5.13363806	4.59694851	5.14644623	1339	1217	1662
199870	NM_001143912,NM_001143913	FAM76A	family with sequence similarity 76	1.007015813	1.008892856	3.246405	3.248426	3.050089	3.51962058	3.52883263	3.53128747	411	553	510
401261	NR_134654	LOC401261	uncharacterized LOC401261	-1.423626643	1.008779304	1.535545	1.082151	1.458729	2.3579234	1.96260273	2.36808966	162	152	201
7597	NM_001304507,NM_001304508	ZBTB25	zinc finger and BTB domain conta	-1.142075641	1.008725988	10.428155	10.068914	10.766331	4.37789078	4.19603101	4.38982644	777	909	964
50810	NM_016073	HDGFL3	HDGF like 3	1.01403596	1.008649642	17.95822	18.230652	17.020321	5.44500562	5.4646572	5.45714754	1671	2264	2073
55620	NM_001013841,NM_017720	STAP2	signal transducing adaptor family	-1.249668712	1.008439837	45.841912	36.771628	42.774931	6.0321428	5.71607575	6.04408383	2530	2705	3138
7718	NM_003447	ZNF165	zinc finger protein 165	-1.549277197	1.008357413	8.151364	5.268695	7.726191	4.31281697	3.72044785	4.32422401	741	639	919
7379	NM_006760	UPK2	uroplakin 2	-5.934330966	1.007976993	26.618031	4.477034	25.22212	4.65666933	2.34470901	4.66768061	951	214	1179
5627	NM_000313,NM_001314077	PROS1	protein S (alpha)	1.385727368	1.007808817	1.87192	2.664201	1.821756	2.94465259	3.36231592	2.95442604	263	487	326
11180	NM_001320546,NM_001320547	WDR61	WD repeat domain 61	1.053976287	1.007790713	40.806647	42.765192	38.897886	7.4788165	7.55424579	7.48995022	6964	9807	8632
3658	NM_001320941,NM_001320942	IREB2	iron responsive element binding	-1.202010873	1.00775358	13.985235	11.359013	13.241898	6.358415	6.09650305	6.369423	3182	3537	3944
51559	NM_001031701	NT5DC3	5′-nucleotidase domain containin	-2.06641632	1.007654944	7.149565	3.462258	6.769036	5.67888953	4.66140215	5.68967788	1972	1275	2444
118426	NM_001300742,NM_001330356	BORCS5	BLOC-1 related complex subunit	-1.165391314	1.007599327	1.140604	0.985878	1.079062	3.02359429	2.83174937	3.03318152	280	321	347
100507507	NM_001322263	LOC100507507	uncharacterized LOC100507507	-1.375222827	1.007599327	4.267302	3.101133	4.036541	3.02359429	2.62883416	3.03318152	280	272	347
55916	NM_001242617,NM_001242618	NXT2	nuclear transport factor 2 like exp	-1.086193427	1.007581947	3.278561	3.022611	3.098462	3.21778616	3.11177339	3.22751932	326	401	404
4946	NM_001301020,NM_004152	OAZ1	ornithine decarboxylase antizyme	-1.078293754	1.007457287	375.279265	348.40439	355.29891	8.75632156	8.64783177	8.76701561	16938	20988	20988
5029	NM_002564,NM_176071,NM_17	P2RY2	purinergic receptor P2Y2	1.435219625	1.007333601	4.487346	6.481293	4.271828	5.28739233	5.79744877	5.29766568	1494	2865	1851
29997	NM_015710	NOP53	NOP53 ribosome biogenesis fact	-1.218976231	1.007333168	99.978127	82.10498	94.648415	7.22076946	6.93721004	7.23124017	5817	6376	7207
9180	NM_001168355,NM_001323504	OSMR	oncostatin M receptor	1.074584524	1.007307137	9.859456	10.256988	10.773637	5.53651876	5.63814463	5.54679755	1783	2560	2209
2152	NM_001178096,NM_001993	F3	coagulation factor III, tissue facto	1.585792947	1.007142196	393.91787	625.019013	372.251295	9.83574741	10.5003701	9.84600364	35837	75932	44392
9524	NM_001321170,NM_138501,NR	TECR	trans-2,3-enoyl-CoA reductase	-1.137279571	1.006990611	155.725581	137.001921	147.247025	7.47696127	7.29248258	7.48695545	6955	8171	8614
79685	NM_001131062,NM_001131063	SAP30L	SAP30 like	-1.184105534	1.006851798	2.987931	2.52252	2.81897	4.2524017	4.02243562	4.26173929	709	800	878
7051	NM_000359	TGM1	transglutaminase 1	-1.055783008	1.006728651	3.787167	3.59735	3.590629	3.49375703	3.42255083	3.50257812	403	510	499
8548	NM_001320972,NM_001320973	BLZF1	basic leucine zipper nuclear facto	-1.125107467	1.006684214	15.179613	13.320793	14.738199	5.33095191	5.16535412	5.34032578	1541	1830	1908
84223	NM_001134435,NM_001323027	IQCG	IQ motif containing G	2.050243867	1.006631728	3.672765	7.553898	3.244219	2.99161027	3.93163239	2.99995417	273	748	338
55721	NM_001160042,NM_018134	IQCC	IQ motif containing C	-1.125751306	1.006631728	3.449422	2.767427	3.24865	2.99161027	2.84329233	2.99995417	273	324	338
100507173	NR_038292,NR_038293,NR_03	LINC01012	long intergenic non-protein codin	-2.332920025	1.006622666	1.168454	0.694323	1.328033	1.38110603	0.75384785	1.38699077	63	36	78
5923	NM_001145648,NM_002891,NM	RASGRF1	Ras protein specific guanine nuc	2.274448555	1.006599221	0.083654	0.194189	0.079298	0.61813834	1.15059938	0.62147005	21	64	26
2617	NM_001316772,NM_002047	GARS	glycyl-tRNA synthetase	-1.172923995	1.006581539	79.199099	67.607066	74.924492	7.55250536	7.32372052	7.5619193	7331	8351	9076
55810	NM_018416	FOXJ2	forkhead box J2	1.115094554	1.006477604	4.731104	5.283015	4.476116	4.71519816	4.86669962	4.72416071	992	1478	1228
10737	NR_001450,NR_002596,NR_10	RFPL3S	RFPL3 antisense	1.149747982	1.006475408	5.194354	5.986891	4.938312	2.87121968	3.04669644	2.8792661	248	381	307
1471	NM_000099,NM_001288614	CST3	cystatin C	1.475890919	1.006366758	154.720806	228.76243	145.917657	7.10194744	7.66015249	7.11103736	5354	10558	6627
53339	NM_001011885,NM_025238	BTBD1	BTB domain containing 1	-1.068129785	1.00623842	15.60267	14.616895	14.717403	5.66808957	5.57492912	5.67688633	1957	2448	2422
400818	NM_001037675,NM_012774444	NBPF9	NBPF member 9	-1.02144336	1.006162096	17.964549	17.657643	17.016014	6.47122805	6.44096653	6.47999149	3444	4505	4262
6045	NM_007212	RNF2	ring finger protein 2	1.195099492	1.00616203	6.043227	7.233983	5.713958	4.45363476	4.70000624	4.46209528	821	1311	1016
23272	NM_001112736,NM_015224	FAM208A	family with sequence similarity 20	-1.113352835	1.00604075	7.697475	7.04455	7.252721	5.96549005	5.81318676	5.97404055	2414	2897	2987
79091	NM_024109,NR_134608	METTL22	methyltransferase like 22	-1.032304048	1.006020777	10.489189	10.164575	9.897102	4.09573376	4.05258161	4.10389022	632	818	782
9231	NM_004747	DLG5	discs large MAGUK scaffold prot	-1.598209348	1.005980519	20.091187	12.58378	18.992638	7.20267282	6.53204743	7.21121713	5744	4802	7107
57448	NM_016252	BIRC6	baculoviral IAP repeat containing	1.058463766	1.005887625	8.120489	8.603684	7.675389	6.96747045	7.04880718	6.9758723	4874	6893	6030
25998	NM_001300906,NM_015525	IBTK	inhibitor of Bruton tyrosine kinase	-3.718189191	1.005841489	13.12858	3.533955	12.447231	6.28774036	4.44234896	6.29603638	3028	1088	3746
10280	NM_001282205,NM_001282206	SIGMAR1	sigma non-opioid intracellular rec	1.542188156	1.005629104	48.17586	74.486028	45.549551	6.33037656	6.94905571	6.3383748	3120	6429	3859
8704	NM_001005417,NM_003780,NM	B4GALT2	beta-1,4-galactosyltransferase 2	1.071886879	1.005412831	28.108706	29.167649	25.067562	5.84600152	5.94447568	5.85365487	2219	3178	2744
6499	NM_006929	SKIV2L	Ski2 like RNA helicase	-1.10068342	1.005337702	14.982869	13.627516	14.156252	5.95071282	5.81465343	5.95826952	2389	2900	2954
83959	NM_001174089,NM_001174090	SLC4A11	solute carrier family 4 member 1	-3.034725697	1.005315047	12.554807	4.128836	11.888883	5.29021237	3.76158491	5.29766568	1497	659	1851
9296	NM_001198909,NM_004231	ATP6V1F	ATPase H+ transporting V1 subu	-1.705233669	1.005069006	66.760381	39.335462	63.247581	5.6113401	4.86197862	5.61848624	1880	1473	2324
10106	NM_005730	CTDSP2	CTD small phosphatase 2	1.015454121	1.004941684	17.044508	17.328962	16.094336	6.39773442	6.41959976	6.40476231	3271	4438	4043
64332	NM_001005474,NM_031419	NFKBIZ	NFKB inhibitor zeta	1.572178588	1.004786189	14.117043	22.218683	13.313354	5.77865184	6.42184697	5.78541555	2116	4445	2615

55824	NM_018440	PAG1	phosphoprotein membrane anch	4.498624289	1.004694856	0.339287	1.536092	0.320951	2.19091668	4.09182073	2.19620105	140	842	173
23283	NM_015235	CSTF2T	cleavage stimulation factor subur	-1.108779796	1.004657147	8.102112	7.313018	7.646976	5.06284359	4.91854554	5.06934731	1273	1534	1573
8502	NM_001005476,NM_001304969	PKP4	plakophilin 4	1.090624171	1.004492557	24.344232	26.685733	23.138723	6.7647759	6.88883011	6.7711836	4230	6164	5226
535	NM_001130020,NM_001130021	ATP6V0A1	ATPase H+ transporting V0 subu	-1.113350734	1.004397423	14.885937	13.37506	14.074719	5.92976705	5.77753174	5.93599396	2354	2825	2908
57097	NM_001286521,NM_001286522	PARP11	poly(ADP-ribose) polymerase fan	1.26645235	1.004354789	1.263881	1.641055	1.190606	2.72881625	3.0232078	2.73414401	221	374	273
56144	NM_018907,NM_031500	PCDHA4	protocadherin alpha 4	-1.430323707	1.004353409	0.697484	0.522476	0.73886	2.15835987	1.77444288	2.16322937	136	127	168
352961	NR_002812	HCG26	HLA complex group 26 (non-prot	-2.062942541	1.004352897	2.630615	1.2633	2.47564	2.01115992	1.30327576	2.01587867	119	77	147
101927221	NR_125415	UBR5-AS1	UBR5 antisense RNA 1	-1.999978186	1.004347441	1.7898	0.889926	1.6935	1.2010231	0.72085408	1.20457043	51	34	63
387804	NM_001144871	VSTM5	V-set and transmembrane domai	-1.032248592	1.004328453	0.717043	0.683287	0.689873	0.5190475	0.50527715	0.52094563	17	22	21
84461	NM_001005408,NM_032442	NEURL4	neuralized E3 ubiquitin protein lig	1.29456629	1.004286776	6.903762	8.948919	6.515495	5.1647037	5.52801678	5.1707038	1369	2368	1691
51447	NM_001005909,NM_001005910	IP6K2	inositol hexakisphosphate kinase	1.312078851	1.004282315	38.893837	50.106861	36.201017	6.05332436	6.44001655	6.05939688	2568	4502	3172
3066	NM_001527,NR_033441,NR_07	HDAC2	histone deacetylase 2	1.231387269	1.004281826	17.529202	21.606497	16.559762	6.8404776	7.13840114	6.84658827	4460	7338	5509
10915	NM_001040006,NM_006706	TERG1	transcription elongation regulator	-1.077479548	1.004231097	52.790227	48.874358	49.755164	7.74122382	7.63408424	7.7472868	8361	10368	10327
4253	NM_001247988,NM_001247989	MIA2	melanoma inhibitory activity 2	-1.006758959	1.004222958	20.438818	20.545864	18.972758	6.20547905	6.19589251	6.21147669	2858	3793	3530
57142	NM_001321859,NM_001321860	RTN4	reticulon 4	1.109893477	1.004149331	223.056622	249.390534	210.121202	9.01478455	9.16493035	9.0207469	20269	30058	25033
55135	NM_001143990,NM_001143991	WRAP53	WD repeat containing antisense	1.393886441	1.004143877	6.162213	8.713452	5.89431	3.64240927	4.08859126	3.64789978	451	840	557
91966	NM_001171907,NM_001171908	CXorf40A	chromosome X open reading frar	-1.050893836	1.004094815	3.680336	3.581097	3.889337	3.90531607	3.83857782	3.91081999	549	698	678
89866	NM_033127	SEC16B	SEC16 homolog B, endoplasmic	-1.262844578	1.003953928	6.946104	5.508021	6.552503	4.81908641	4.49574422	4.82457876	1069	1131	1320
9986	NM_001032279,NM_005133	RCE1	Ras converting CAAX endopeptic	1.341272647	1.003879058	28.501884	38.279929	26.894176	5.38559376	5.80041275	5.39104626	1602	2871	1978
79047	NM_001129994,NM_001129995	KCTD15	potassium channel tetramerizatic	1.415837264	1.00381179	5.581681	7.909873	5.044001	4.54619271	5.02964715	4.55144767	878	1661	1084
10825	NM_006656	NEU3	neuraminidase 3	1.703076116	1.003607602	1.8256	3.114318	1.71819	2.55837852	3.22198991	2.56269567	192	437	237
135932	NM_001242773,NM_001242774	TMEM139	transmembrane protein 139	-1.783012336	1.003508083	28.647986	15.905027	26.417931	5.86818985	5.05303203	5.87315599	2254	1689	2782
51091	NM_016955	SEPSECS	Sep (O-phosphoserine) tRNA:Se	-1.237960667	1.003371572	7.419998	6.00061	6.997742	5.38559376	5.08579485	5.39033409	1602	1729	1977
79676	NM_001304833,NM_001304834	OGFOD2	2-oxoglutarate and iron dependei	-1.264761358	1.003309977	15.106394	11.865091	14.451294	4.96623093	4.63950051	4.9708465	1188	1255	1466
85378	NM_020461	TUBGCP6	tubulin gamma complex associat	1.115009935	1.003254283	11.496419	12.834756	10.84115	6.09585169	6.25073686	6.10047078	2646	3942	3265
2585	NM_001001556,NM_001289030	GALK2	galactokinase 2	-1.466344558	1.003229299	8.6931	5.954165	8.276769	4.8626811	4.33333585	4.86717332	1103	1005	1361
140545	NM_001184996,NM_001184997	RNF32	ring finger protein 32	-1.018601602	1.003110222	1.029786	1.02899	0.960346	1.56621863	1.5486383	1.56919173	77	101	95
10450	NM_001195007,NM_001319293	PPIE	peptidylprolyl isomerase E	1.125774266	1.003015901	20.970289	17.983694	17.704764	5.72199495	5.88986396	5.72625748	2033	3058	2508
11152	NM_001029896,NM_007075	WDR45	WD repeat domain 45	1.137380378	1.002960119	10.916617	12.503239	10.329855	4.20536975	4.38163336	4.20940382	685	1041	845
101927541	NR_109943	LINC01273	long intergenic non-protein codin	-2.352176484	1.002757628	2.206651	0.922065	2.088234	1.33814853	1.34055586	1.34055586	34	34	74
284697	NM_183242	BTBD8	BTB domain containing 8	-4.940038022	1.002752494	0.53564	0.096971	0.503746	0.81895953	0.20477631	0.82068496	30	8	37
1431	NM_004077	CS	citrate synthase	-1.016384648	1.002729274	49.850792	49.100151	46.972652	7.18434629	7.16106187	7.18825152	5671	7455	6994
80305	NM_001320484,NM_001320485	TRABD	TraB domain containing	1.042989293	1.002628468	22.943998	24.057314	21.848146	5.71291592	5.77250923	5.71663112	2020	2815	2491
23325	NM_001293640,NM_015275	WASHC4	WASH complex subunit 4	-1.415222576	1.002591149	12.799464	9.050771	12.058665	6.19849084	5.70557366	6.20217361	2844	2685	3507
79719	NM_001271885,NM_001271886	AAGAB	alpha- and gamma-adaptin bindi	1.021044408	1.002568256	15.801381	16.225045	14.99416	5.66447154	5.69393237	5.66809934	1952	2663	2407
5558	NM_000947,NM_001282487,NM	PRIM2	primase (DNA) subunit 2	1.013364887	1.002522525	8.25786	8.442423	7.530045	4.19135823	4.20947297	4.19479474	678	918	836
25801	NM_001330265,NM_001330266	GCA	grancalcin	-1.065548911	1.002185365	12.580775	11.800327	11.839996	5.53731025	5.44774276	5.54039208	1784	2237	2199
79609	NM_001040662,NM_024558,NR	VCPKMT	valosin containing protein lysine	-1.030994711	1.002171525	14.099753	13.552101	13.155811	4.67404687	4.6317557	4.67705421	963	1248	1187
8683	NM_003769	SRSF9	serine and arginine rich splicing f	1.15103037	1.00216564	115.374092	132.941696	108.638344	7.04046851	7.24195961	7.04356587	5129	7888	6322
80347	NM_001042529,NM_001042532	COASY	Coenzyme A synthase	-1.111695504	1.002162635	52.160678	47.290657	49.117733	7.00771875	6.85620532	7.01081128	5013	6025	6179
57127	NM_001256395,NM_001256396	RHBG	Rh family B glycoprotein (gene/p	-1.550662833	1.002126963	0.537001	0.28915	0.433093	1.06712766	0.77006602	1.06873498	43	37	53
23270	NM_021648	TSPYL4	TSPY like 4	1.300256261	1.001941151	3.758806	4.895907	3.541042	4.01166006	4.36970972	4.01428503	594	1032	732
84640	NM_001290325,NM_001290326	USP38	ubiquitin specific peptidase 38	1.239392917	1.001810109	3.883743	4.648418	3.705448	4.63907992	4.93751728	4.64158467	939	1555	1157
140691	NM_001301144,NM_001301145	TRIM69	tripartite motif containing 69	-2.261891528	1.001791277	0.861414	0.475316	0.712822	1.27880673	0.70406985	1.28032816	56	33	69
10361	NM_014258	SYCP2	synaptonemal complex protein 2	-2.042333132	1.001685496	4.363299	2.138695	4.106682	4.62723337	3.65645563	4.62956502	609	931	1147
80862	NR_026751,NR_145416,NR_14	ZRANB1ASP	zinc ribbon domain containing 1	1.382597798	1.001505293	1.612626	2.190722	1.229743	2.27883528	2.62962865	2.27859908	151	279	196
11282	NM_014275,NM_054013	MGAT4B	mannosyl (alpha-1,3-)glycoprote	-1.049778988	1.001360136	94.065556	84.368436	91.691099	7.95741376	7.88761625	7.95936683	9719	12370	11970
8214	NM_005675	DGCR6	DiGeorge syndrome critical regio	2.419932802	1.001256805	9.298568	22.54944	8.744194	3.58538547	4.78824961	3.58704707	432	1397	532
55756	NM_001145159,NM_001172562	INTS9	integrator complex subunit 9	1.196618062	1.001144529	5.066706	6.077355	4.781427	3.8730763	4.11581404	3.87461432	536	857	660
1616	NM_001141969,NM_001141970	DAXX	death domain associated protein	-1.024273073	1.000874277	15.929936	15.575693	14.995745	5.37766084	5.3439002	5.37889138	1593	2078	1961
285368	NM_001318871,NM_207351,NR	PRRT3	proline rich transmembrane prote	1.366954573	1.000677305	0.723359	0.988235	0.733393	1.86749926	2.20853486	1.86820921	104	190	128
285540	NR_037934	SEPSECS-AS1	SEPSECS antisense RNA 1 (hea	1.435710285	1.000672237	0.280299	0.42558	0.285547	0.41264541	0.56226574	0.41288872	13	25	16
23126	NM_001194937,NM_001194938	POGZ	pogo transposable element deriv	1.317224533	1.000520627	12.89876	17.37734	11.83615	6.35707077	6.75033891	6.35781255	3179	5595	3912
1939	NM_001201478,NM_006893	EIF2D	eukaryotic translation initiation fa	-1.120762355	1.000446908	27.007452	24.250248	25.389233	5.81108433	5.64969525	5.81171749	2165	2581	2664
9394	NM_004807	HS6ST1	heparan sulfate 6-O-sulfotransfer	2.200170323	1.00038972	2.871958	6.327415	2.697864	3.59149522	4.66248855	3.59201087	434	1276	534
79713	NM_001346003,NM_001346004	IGFLR1	IGF like family receptor 1	-1.720234031	1.000266375	2.614732	1.511162	2.362067	2.28439817	1.70021226	2.28470378	152	118	187
2975	NM_001286242,NM_001520	GTF3C1	general transcription factor IIIC s	1.410273005	1.000257574	13.206195	18.639922	12.420611	6.52249295	7.01390728	6.52286048	3570	6727	4392
7084	NM_001172643,NM_001172644	TK2	thymidine kinase 2, mitochondria	-1.05967748	1.000198151	5.924214	5.143588	5.423504	4.94848917	4.86764197	4.94876578	1173	1479	1443
11230	NM_007213	PRAF2	PRA1 domain family member 2	-1.414220083	1.000181505	2.50283	1.774383	2.354298	2.07360076	1.70865125	2.07380058	126	119	155
23341	NM_001287811,NM_015291,NR	DNAJC16	DnaJ heat shock protein family (I	1.198948805	1.000165797	5.414407	6.463291	5.082234	5.00451141	5.25882482	5.00474315	1221	1956	1502
58495	NM_001267817,NM_001267818	OSTC	oligosaccharyltransferase comple	-1.012003069	1.000019464	85.174655	84.065112	79.765326	6.49301423	6.47599228	6.49296846	3497	4617	4301
84210	NM_001289403,NM_001289404	MMS19	MMS19 homolog, cytosolic iron-s	-1.714400634	1.000081184	26.468096	15.737574	25.123078	6.57624001	5.80926833	6.57612501	3707	2889	4559
84163	NM_001281447,NM_173537,NM	GTF2IRD2	GTF2I repeat domain containing	-1.379811387	1.000205917	6.596975	2.756209	6.687949	3.0370876	2.63769986	3.03682664	283	274	348
80264	NM_001172671,NM_025189	ZNF430	zinc finger protein 430	-1.225996734	1.000235946	3.193622	2.606085	2.997306	3.72253824	3.45300696	3.72222359	479	522	589
57646	NM_001301029,NM_001346252	USP28	ubiquitin specific peptidase 28	-1.011676407	1.000476956	6.035066	6.073909	5.67462	4.76605286	4.74992223	4.76539014	1029	1359	1265
100616408	NR_039969	MIR5047	microRNA 5047	1.048796073	1.000647738	394.789185	414.706238	370.924805	5.30236925	5.36940611	5.30145868	1510	2116	1856
79754	NM_024701,NR_024581,NR_03	ASB13	ankyrin repeat and SOCS box co	1.103538407	1.000788976	6.748145	7.673366	6.521274	4.28292556	4.4181112	4.28184606	725	1069	891
9968	NM_005120	MED12	mediator complex subunit 12	1.047011557	1.001037996	8.484261	8.894096	7.965258	5.87258686	5.9377612	5.87111561	2261	3163	2778
8161	NM_004645	COIL	coilin	-1.092886065	1.001074828	26.24696	24.038965	24.638334	6.09370103	5.96751352	6.09217385	2642	3230	3246
339674	NR_024355	LINC00634	long intergenic non-protein codin	1.495354316	1.001106573	0.607826	0.898569	0.564406	0.91952222	1.22307764	0.91876801	35	70	43
441389	NR_038977	LINC01239	long intergenic non-protein codin	2.61704845	1.001108344	0.769796	2.040961	0.726771	1.47662927	2.50348775	1.47560397	70	245	86
6493	NM_005069,NM_009586	SIM2	single-minded family bHLH trans	1.12001652	1.001147787	11.194088	12.938506	10.833102	5.58937463	5.74968897	5.58775396	1851	2770	2274
90379	NM_138353	DCAF15	DDB1 and CUL4 associated facto	1.042098676	1.001217946	31.964071	33.351395	30.00705	6.17935039	6.23804005	6.17761851	2806	3907	3447
340371	NM_178564	NRBP2	nuclear receptor binding protein 2	1.26946145	1.001256418	13.412885	17.045509	12.586336	5.63297616	5.97102538	5.63120109	1909	3238	2345
1138	NM_000745,NM_001307945	CHRNA5	cholinergic receptor nicotinic alph	-1.082829481	1.001271167	10.855845	9.705819	9.995788	5.24053381	5.12887652	5.23874944	1445	1783	1775
157777	NM_001136160,NM_001136161	MCMDC2	minichromosome maintenance d	-1.165037516	1.001362415	0.942078	0.815579	0.951156	2.5075876	2.32837375	2.50596801	184	211	226
84441	NM_032427	MAML2	mastermind like transcriptional co	-1.111713888	1.001457613	5.175241	4.661004	4.854897	5.20311692	5.05468796	5.20107248	1407	1691	1728
28955	NM_014015	DEXI	Dexi homolog	1.075681262	1.001464027	9.159319	9.870178	8.597095	3.84777678	3.94597054	3.84581243	526	756	646
83723	NM_001318504,NM_001352173	FAM57B	family with sequence similarity 57	1.050387014	1.001517243	1.397158	1.50392	1.315842	1.96484452	2.01797632	1.96321628	114	160	140
89765	NM_001286506,NM_080860	RSPH1	radial spoke head 1 homolog	-1.180559159	1.001517243	2.242855	1.830808	2.008724	1.96484452	1.79043244	1.96321628	114	129	140
6223	NM_001022,NM_001321483,NM	RPS19	ribosomal protein S19	-1.268986235	1.001615879	973.868622	801.694218	922.062348	9.60286328	9.25968447	9.60053693	30489	32102	37439
84936	NM_001077268,NM_001258420	ZFYVE19	zinc finger FYVE-type containing	1.187333262	-1.001741753	17.961534	21.187084	16.854518	5.26940291	5.51123031	5.26695724	1475	2340	1811
7268	NM_001291333,NM_004623	TTC4	tetratricopeptide repeat domain 4	1.122339074	-1.00189978	13.652276	15.29141	12.699474	5.02497132	5.18665501	5.02231705	1239	1858	1521
57523	NM_025081	NYNRIN	NYN domain and retroviral integr	1.097521693	-1.001958157	2.926111	3.214237	2.743044	4.54776468	4.67653783	4.54506286	879	1289	1079
11243	NM_001199653,NM_001199654	PMF1	polyamine modulated factor 1	1.058126355	-1.002047427	28.476886	30.189289	26.664712	5.00107303	5.0801148	4.99821421	1218	1722	1495
57403	NM_020673	RAB22A	RAB22A, member RAS oncogen	1.023270365	-1.002065027	7.524438	7.710488	7.058314	6.00893474	6.04161395	6.00600474	2489	3403	3055
23560	NM_012341	GTPBP4	GTP binding protein 4	1.148935402	-1.002152836	46.45565	53.43832	43.562222	6.84368056	7.04235351	6.84060498	4470	6862	5486
128497	NM_080608	SPATA25	spermatogenesis associated 25	1.765304197	-1.002158474	0.76554	1.397235	0.734161	0.64188297	0.99371033	0.64076093	22	52	27
100507530	NR_125386	MCPH1-AS1	MCPH1 antisense RNA 1	5.692491845	-1.002158474	0.13506	0.79634	0.126971	0.64188297	2.07130288	0.64076093	22	168	27
64838	NM_022823	FNDC4	fibronectin type III domain contai	-4.80835891	-1.002158474	0.334513	0.062825	0.313436	0.64188297	0.15624221	0.64076093	22	6	27
79947	NM_001243564,NM_001243565	DHDDS	dehydrodolichyl diphosphate syn	-1.042618427	-1.002401501	8.871018	8.500247	8.333115	4.88274916	4.82461482	4.87940578	1119	1434	1373
79647	NM_001136275,NM_024595	AKIRIN1	akirin 1	1.387811002	-1.002467049	27.605404	38.354158	25.946708	6.21094615	6.67831955	6.20743924	2869	5320	3520
9989	NM_001042388,NM_005134,NR	PPP4R1	protein phosphatase 4 regulatory	-1.174674832	-1.00257209	28.222446	24.057027	26.436283	6.76882532	6.53898665	6.76515328	4242	4825	5204
51006	NM_001281457,NM_001281458	SLC35C2	solute carrier family 35 member (	-1.104682986	-1.002627836	29.789905	27.637628	27.715809	6.11028539	5.96883147	6.10655391	2673	3233	3279
84893	NM_001258452,NM_001258453	FBXO18	F-box protein, helicase, 18	1.174806185	-1.002634654	18.137459	21.651569	17.403932	6.04555676	6.27473483	6.04181814	2554	4009	3133
25890	NM_001349329,NM_001349330	ABI3BP	ABI family member 3 binding pro	1.321186044	-1.002747379	0.525246	0.758327	0.487335	2.09095564	2.40826098	2.08792485	128	226	157
256643	NM_198279	CXorf23	chromosome X open reading frar	-1.044168485	-1.002775225	1.973111	1.892086	1.849569	3.7528388	3.69519054	3.74913666	490	627	601
727800	NM_031297	RNF208	ring finger protein 208	-1.250824001	-1.002838757	12.106478	9.695662	11.352721	3.77716539	3.48037129	3.77337356	499	533	612
728855	NR_024510,NR_024510_dup1,N	LINC00623	long intergenic non-protein codin	1.309604001	-1.002868794	1.638625	2.178037	1.544112	2.6780437	3.01302298	2.67455554	212	371	260

6908	NM_001172085,NM_003194	TBP	TATA-box binding protein	1.194602924	-1.003032715	6.52031	7.767315	6.115708	3.70573844	3.94419393	3.7017041	473	755	580
3814	NM_002256	KISS1	KiSS-1 metastasis-suppressor	-3.291371945	-1.003049942	3.075983	0.926131	2.871543	1.65056839	0.72085408	1.64757178	84	34	103
4152	NM_001204136,NM_001204137	MBD1	methyl-CpG binding domain prot	1.195218036	-1.003058614	17.302899	21.038377	16.262904	5.73170889	5.98455365	5.72738578	2047	3269	2510
51571	NM_001256763,NM_001330612	FAM49B	family with sequence similarity 4	-1.629648552	-1.003289588	35.754417	21.866034	33.294984	7.10728754	6.40928199	7.10258378	5374	4406	6588
692057	NR_003030	SNORD12	small nucleolar RNA, C/D box 12	1.44703958	-1.003356086	8.780864	13.039715	8.327344	0.83964067	1.10017522	0.83750224	31	60	38
101927621	NR_110707,NR_110708	LINC01534	long intergenic non-protein codin	-1.378854087	-1.003356086	0.901869	0.647947	0.844913	0.83964067	0.65251278	0.83750224	31	30	38
51177	NM_001304722,NM_001304723	PLEKHO1	pleckstrin homology domain cont	-1.035452584	-1.003364195	1.166478	1.129354	1.065617	1.75224037	1.71704117	1.74883089	93	120	114
6992	NM_021959	PPP1R11	protein phosphatase 1 regulatory	-1.18270071	-1.0033891	19.65127	16.637007	18.412539	5.03621379	4.80211744	5.0314812	1249	1411	1531
9550	NM_004888	ATP6V1G1	ATPase H+ transporting V1 subu	-1.016451412	-1.003676392	52.869858	52.072815	49.503296	6.39118219	6.36792291	6.38595101	3256	4280	3990
8496	NM_001198915,NM_001198916	PPIBP1	PPFIA binding protein 1	-1.027639405	-1.003729386	4.770855	4.644664	4.463988	4.85381277	4.81585323	4.84862794	1096	1425	1343
84268	NM_001033002,NM_001160243	RPAIN	RPA interacting protein	-1.082790661	-1.003827714	13.594309	12.500946	12.193915	4.60927912	4.49939675	4.60399302	919	1134	1126
54880	NM_001123383,NM_001123384	BCOR	BCL6 corepressor	1.051050463	-1.003833645	3.023547	3.179719	2.825239	4.30540198	4.37369523	4.30016067	737	1035	903
401207	NM_001164478,NM_001164479	C5orf63	chromosome 5 open reading fran	1.750263494	-1.004164775	2.516059	4.977004	2.786142	3.10272366	3.83665412	3.09742492	298	697	365
440567	NM_001089591	UQCRHL	ubiquinol-cytochrome c reductase	1.084707628	-1.004253711	4.327576	4.677912	4.045989	1.70793493	1.79043244	1.70368302	89	129	109
195828	NM_153695	ZNF367	zinc finger protein 367	-1.169894556	-1.004364562	12.929297	11.063559	12.099062	5.57325719	5.35200352	5.56710603	1830	2090	2241
63906	NM_022078	GPATCH3	G-patch domain containing 3	1.197769738	-1.004553384	5.74698	6.890636	5.371703	3.6915876	3.93343361	3.68554025	468	749	573
51202	NM_016355,NM_201224	DDX47	DEAD-box helicase 47	-1.649240887	-1.004662247	100.004942	60.801365	93.39752	7.47096705	6.75442047	7.46429429	6926	5611	8479
55322	NM_018356,NR_134298	C5orf22	chromosome 5 open reading fran	-1.122396509	-1.004684576	4.180903	3.713516	3.842119	3.93685111	3.78172178	3.93054845	562	669	688
6134	NM_001256577,NM_001256580	RPL10	ribosomal protein L10	-1.021355379	-1.00470045	299.749311	294.624803	280.450491	9.35005934	9.31962149	9.34330428	25582	33466	31317
58155	NM_001300985,NM_001300986	PTBP2	polypyrimidine tract binding prote	2.528910177	-1.004734953	4.390625	10.959215	4.068661	3.97940737	5.2616952	3.97302418	580	1960	710
10992	NM_006842	SF3B2	splicing factor 3b subunit 2	1.132015425	-1.004837963	96.438721	109.294106	90.190956	8.091442	8.26972032	8.08450464	10669	16137	13059
100506637	NR_109996,NR_109997	PRKAR2A-AS1	PRKAR2A antisense RNA 1	1.230652931	-1.005100848	0.569684	0.703663	0.532494	1.55375576	1.75827411	1.5489128	76	125	93
7994	NM_001305878,NM_006766	KAT6A	lysine acetyltransferase 6A	-1.196585883	-1.005126638	8.392647	7.134903	7.865155	6.24235022	5.98715744	6.23507035	2933	3275	3589
90826	NM_001304458,NM_001350141	PRMT9	protein arginine methyltransferas	1.011355103	-1.00521511	3.798533	3.824909	3.456076	3.78251604	3.79763131	3.77555686	501	677	613
9716	NM_014691	AQR	aquarius intron-binding spliceoso	-1.000124563	-1.005303788	13.088335	13.100109	12.233189	6.03886537	6.0386884	6.03134989	2542	3396	3110
57658	NM_001143682,NM_020898,NR	CALCOCO1	calcium binding and coiled-coil d	1.190342901	-1.005422755	9.728718	11.6282	9.346446	4.90008261	5.14373402	4.8925416	1133	1802	1386
84933	NM_032847	C8orf76	chromosome 8 open reading fran	1.023130082	-1.005528305	25.06901	25.672203	23.424395	5.07706542	5.10909111	5.06934731	1286	1758	1573
10049	NM_005494,NM_058246	DNAJB6	DnaJ heat shock protein family (H	-1.64994055	-1.005637547	67.257171	43.431647	71.225725	7.01142618	6.29624191	7.00337862	5026	4070	6147
387893	NM_001324504,NM_001324505	KMT5A	lysine methyltransferase 5A	-1.28744204	-1.005650722	26.972705	20.981276	25.218192	6.23114291	5.87213021	6.22312179	2910	3020	3559
80210	NM_001271466,NM_001291656	ARMC9	armadillo repeat containing 9	1.395992785	-1.005703792	2.266416	2.882121	4.573248	3.64828273	4.09665142	3.64073154	453	845	554
100506730	NR_037847	LOC100506730	uncharacterized LOC100506730	1.224210734	-1.005810189	1.927794	2.363979	1.804817	2.5075876	2.75234181	2.5006986	184	301	225
6648	NM_000636,NM_001024465,NM	SOD2	superoxide dismutase 2	1.000477882	-1.00584	9.886492	9.515068	8.987046	4.94133092	4.94199782	4.93320349	1167	1560	1427
27034	NM_014384	ACAD8	acyl-CoA dehydrogenase family	-1.553756389	-1.005849137	11.788232	7.594337	11.010939	4.71519816	4.10945474	4.70710452	992	853	1213
23392	NM_001080398	KIAA0368	KIAA0368	1.043147123	-1.005986021	21.938641	22.913498	20.495817	7.31193353	7.3725016	7.30337747	6199	8640	7579
9877	NM_001319238,NM_001319239	ZC3H11A	zinc finger CCCH-type containing	-1.023112358	-1.006036329	77.161989	78.769795	74.754242	8.58173926	8.54886146	8.57307952	15003	19593	18342
22950	NM_018158	SLC4A1AP	solute carrier family 4 member 1	1.131729732	-1.006103723	15.592196	17.6691	14.564041	5.52698687	5.7018798	5.51839824	1771	2678	2165
100500872	NR_037473	MIR3911	microRNA 3911	-1.199655349	-1.006232566	2.022277	1.730654	1.995377	0.29776659	0.25173066	0.29607837	9	10	11
692148	NR_004387	SCARNA10	small Cajal body-specific RNA 10	-5.678101318	-1.006232566	0.670319	0.098654	0.618899	0.29776659	0.05398282	0.29607837	9	2	11
101929552	NR_136400	LOC101929552	uncharacterized LOC101929552	-1.980810008	-1.006232566	0.246592	0.129964	0.236778	0.29776659	0.15624221	0.29607837	9	6	11
101928489	NR_110889	LOC101928489	uncharacterized LOC101928489	1.493932334	-1.006271386	0.235917	0.352454	0.222779	0.54446555	0.75384785	0.54161868	18	36	22
101410535	NR_102697	LAMTOR5-AS1	LAMTOR5 antisense RNA 1	1.163260734	-1.006271386	0.843646	1.011523	0.820576	0.54446555	0.61708849	0.54161868	18	28	22
102465909	NR_107062_chr1,NR_107062_c	MIR6859-2	microRNA 6859-2	-1.263814783	-1.006271386	6.644193	5.427584	6.322013	0.54446555	0.44594451	0.54161868	18	19	22
102465910	NR_107063_chr1,NR_107063_c	MIR6859-3	microRNA 6859-3	-1.263814783	-1.006271386	6.656244	5.436581	6.333004	0.54446555	0.44594451	0.54161868	18	19	22
102466751	NR_106918_chr1,NR_106918_c	MIR6859-1	microRNA 6859-1	-1.263814783	-1.006271386	6.632164	5.418603	6.311041	0.54446555	0.44594451	0.54161868	18	19	22
54905	NM_017781	CYP2W1	cytochrome P450 family 2 subfar	-4.70413901	-1.006271386	0.201219	0.041696	0.185106	0.54446555	0.1314883	0.54161868	18	5	22
359821	NR_002208	MRPL42P5	mitochondrial ribosomal protein L	1.493932334	-1.006271386	0.673913	1.053945	0.634273	0.54446555	0.75384785	0.54161868	18	36	22
102723508	NR_110456,NR_145973,NR_14	KANTR	KDM5C adjacent transcript	-1.023341858	-1.006290979	0.192329	0.141299	0.171572	0.93882015	0.92294555	0.93448595	36	47	44
6095	NM_002943,NM_134260,NM_13	RORA	RAR related orphan receptor A	2.025485766	-1.006300821	0.17094	0.353003	0.158352	1.50279892	2.23798388	1.4969322	72	195	88
55349	NM_018397	CHDH	choline dehydrogenase	-1.258812019	-1.006307967	1.841202	1.464259	1.71593	2.93507482	2.65089709	2.92718897	261	277	319
10793	NM_021148,NR_003099	ZNF273	zinc finger protein 273	-1.766201813	-1.006308143	1.657086	0.937705	1.561044	3.01906833	2.32837375	3.0111152	279	211	341
5709	NM_002809	PSMD3	proteasome 26S subunit, non-AT	1.074894954	-1.006370745	109.191513	117.502365	101.970253	7.8674378	7.97120413	7.85831515	9129	13111	11157
11132	NM_023083,NM_023085	CAPN10	calpain 10	1.080761444	-1.00647654	11.012363	11.759755	10.273165	4.85762016	4.96595521	4.84862794	1099	1587	1343
4040	NM_002336	LRP6	LDL receptor related protein 6	1.103053374	-1.006501933	4.955003	5.471511	4.62572	5.63371647	5.77250923	5.62455491	1910	2815	2334
8462	NM_001177716,NM_001177718	KLF11	Kruppel like factor 11	1.120130844	-1.006611237	1.955039	2.196616	1.8267	3.11973375	3.26553914	3.11132089	302	452	369
80339	NM_025225	PNPLA3	patatin like phospholipase domai	1.153540198	-1.006651909	2.479791	2.858976	2.313771	2.95890107	3.14012691	2.95056637	266	410	325
84316	NM_001320924,NM_001320925	NAA38	N(alpha)-acetyltransferase 38, N	1.248410311	-1.006697414	20.773794	26.526352	19.692237	4.25047234	4.55544439	4.24134834	708	1181	865
84809	NR_026752	CROCCP2	ciliary rootlet coiled-coil, rootletin	-1.009113711	-1.006790997	28.209167	27.994036	26.332224	5.62926888	5.61644502	5.61970202	1904	2521	2326
5884	NM_001278622,NM_002873,NM	RAD17	RAD17 checkpoint clamp loader	-1.125964592	-1.006795583	16.300309	14.223453	15.251883	5.61584323	5.44837277	5.60627178	1886	2238	2304
64766	NM_001256121,NM_022753,NR	S100PBP	S100P binding protein	1.13475397	-1.007135987	11.532128	13.093948	10.671386	5.61509368	5.79398308	5.60504462	1885	2858	2302
92906	NM_001142650,NM_138394	HNRNPLL	heterogeneous nuclear ribonucle	1.063560032	-1.007388283	13.050517	13.820876	12.126382	5.23956149	5.32618529	5.22922293	1444	2052	1763
7709	NM_001242884,NM_001287603	ZBTB17	zinc finger and BTB domain cont	1.072119025	-1.007469444	13.552712	14.591607	12.669699	5.21800288	5.31696533	5.20735546	1422	2037	1736
57634	NM_015409	EP400	E1A binding protein p400	-1.427607799	-1.007610175	13.023427	9.13118	12.146156	7.29635493	6.78669387	7.28548698	6132	5739	7485
22882	NM_014943	ZHX2	zinc fingers and homeoboxes 2	1.393595676	-1.007686081	2.392527	3.337839	2.232556	3.48064928	3.92259242	3.47059318	399	743	487
10307	NM_006051,NM_133172,NM_13	APBB3	amyloid beta precursor protein bi	1.315814203	-1.007687169	9.673742	12.893415	9.118647	4.41453771	4.79420929	4.40400834	798	1403	974
27124	NM_001002837,NM_001284285	INPP5J	inositol polyphosphate-5-phosph	1.490562346	-1.007746541	0.941493	1.424546	0.886158	2.0823043	2.541776	2.07380058	127	253	155
1786	NM_001130823,NM_001318730	DNMT1	DNA methyltransferase 1	1.028671732	-1.007793706	43.713452	45.478926	40.756649	7.85002379	7.89063263	7.83887203	9019	12396	11007
56852	NM_020165	RAD18	RAD18, E3 ubiquitin protein ligas	1.123944012	-1.007826293	5.229376	5.887276	4.877277	4.91842592	5.08173995	4.90755118	1148	1724	1401
2035	NM_001166005,NM_001166006	EPB41	erythrocyte membrane protein ba	-1.321083065	-1.00807072	5.121069	3.987576	4.98769	4.91477587	4.52828878	4.90356387	1145	1158	1397
9774	NM_001077440,NM_001077441	BCLAF1	BCL2 associated transcription fa	1.081316584	-1.008072909	22.04509	23.891747	20.600692	7.28508979	7.39718488	7.27356427	6084	8790	7423
121536	NM_001114176,NM_001267043	AEBP2	AE binding protein 2	1.195943941	-1.008083181	8.244639	9.747283	7.470344	5.43059347	5.68326725	5.41924838	1654	2643	2018
55449	NR_023921,NR_023922,NR_02	DHRS4-AS1	DHRS4 antisense RNA 1	-1.304620132	-1.008241849	5.840726	4.594635	5.662063	4.16292023	3.80355245	4.15174023	664	680	810
2107	NM_001256302,NM_001282185	ETF1	eukaryotic translation termination	1.219960801	-1.008251635	44.739284	54.490565	41.756432	7.36260538	7.64786307	7.35082176	6422	10468	7834
51239	NM_016466	ANKRD39	ankyrin repeat domain 39	1.067778229	-1.00828214	6.731125	7.206942	6.291043	2.78853894	2.86987209	2.77836293	232	331	283
115825	NM_052950	WDFY2	WD repeat and FYVE domain co	-1.306005016	-1.00841157	2.091221	1.605121	1.947291	3.13236099	2.79655578	3.12165574	305	312	372
9919	NM_001276418,NM_014866	SEC16A	SEC16 homolog A, endoplasmic	1.015407611	-1.008422034	25.279867	25.687637	23.580805	7.80275131	7.82471251	7.79070602	8727	11840	10644
79026	NM_001346445,NM_001346446	AHNAK	AHNAK nucleoprotein	1.067927637	-1.008487293	63.927428	68.682237	62.275144	10.10839243	10.20312342	10.09621059	43300	61784	52808
1760	NM_001081560,NM_001081562	DMPK	dystrophia myotonica protein kina	1.107959765	-1.008521807	21.109717	23.812914	19.874133	5.9841867	6.12987583	5.97213807	2446	3621	2983
26779	NR_002584	SNORA69	small nucleolar RNA, H/ACA box	1.095021906	-1.008523434	7.933546	8.770151	7.517339	1.03161781	1.10017522	1.02535867	41	60	50
9491	NM_001323407,NM_001323408	PSMF1	proteasome inhibitor subunit 1	1.723439707	-1.008735632	12.290765	20.724126	11.104064	6.54627901	7.3250933	6.53386535	3630	8359	4426
11339	NM_001317860,NM_007280	OIP5	Opa interacting protein 5	-1.062531993	-1.008746376	12.848917	12.109498	11.93412	4.02977152	3.94776294	4.01797815	602	757	734
100529209	NR_037717	RNASEK-C17orf49	RNASEK-C17orf49 readthrough	-1.597565397	-1.00880968	0.99819	0.621199	0.92857	1.51570785	1.11294744	1.50747923	73	61	89
116985	NM_001040118,NM_001135190	ARAP1	ArfGAP with RhoGAP domain, ar	1.410394959	-1.008882861	18.973066	26.707057	17.738426	6.53483138	7.02640839	6.52221051	3601	6786	4390
9837	NM_021067,NR_134574	GINS1	GINS complex subunit 1	1.167263344	-1.009064638	17.977957	20.943698	16.935658	5.89560815	6.11527096	5.88280858	2298	3584	2801
101928111	NR_135575,NR_135576,NR_13	LOC101928111	uncharacterized LOC101928111	2.054667696	-1.009141341	1.54742	4.102672	1.413545	0.86002952	1.42093184	0.85412573	32	88	39
527	NM_001198569,NM_001694	ATP6V0C	ATPase H+ transporting V0 subu	1.231099072	-1.009146508	166.952147	207.292869	156.286931	7.58616924	7.88470993	7.57310207	7505	12345	9147
101060691	NR_120611,NR_120612,NR_12	NUTM2B-AS1	NUTM2B antisense RNA 1	-1.374351883	-1.009295599	6.164329	4.414989	5.331643	3.57924973	3.16487058	3.56701931	430	418	524
4131	NM_001324255,NM_005909	MAP1B	microtubule associated protein 1B	2.323669562	-1.00934207	0.328472	0.765888	0.305875	2.27683528	3.31335619	2.26619062	151	469	184
26515	NM_012192	TIMM10B	translocase of inner mitochondria	-1.252779745	-1.009474312	11.203681	8.955946	10.432069	5.00107303	4.68725264	4.98789438	1218	1299	1484
26298	NM_001206615,NM_001206616	EHF	ETS homologous factor	-1.498100896	-1.009681904	55.978445	37.458332	52.127075	8.21827174	7.6375413	8.20441766	11653	10393	14195
10243	NM_001024218,NM_020806	GPHN	gephyrin	-1.077288927	-1.009694858	5.770507	5.356246	5.3684	4.65375261	4.55075824	4.64038721	949	1177	1156
10963	NM_001282652,NM_001282653	STIP1	stress induced phosphoprotein 1	1.5183707	-1.009711712	112.976009	171.402467	103.842377	7.92466719	8.52516826	7.91078125	9500	19273	11572
153339	NM_174909	TMEM167A	transmembrane protein 167A	-1.220138183	-1.009719805	32.396336	26.582348	30.150539	7.18687058	6.9019982	7.17301154	5681	6221	6920
6390	NM_003000	SDHB	succinate dehydrogenase comple	-1.122299137	-1.010044391	101.686363	90.705528	94.613457	6.83758885	6.67266925	6.82329648	4451	5299	5420
55672	NM_017940	NBPF1	NBPF member 1	-1.022967077	-1.01023422	6.89543	6.748181	6.415481	5.35539329	5.32344051	5.34106306	1568	2048	1909
55227	NM_018214	LRRC1	leucine rich repeat containing 1	-1.279113872	-1.010239955	9.413882	7.368581	8.759444	4.91477587	4.57288311	4.90056614	1145	1196	1394
105371907	NR_136503	LOC105371907	uncharacterized LOC105371907	-1.097033567	-1.010253495	0.844898	0.778801	0.786711	0.66524311	0.61708849	0.65979727	23	28	28
2348	NM_000802,NM_016724,NM_01	FOLR1	folate receptor 1	-1.658580037	-1.010278681	1.246261	0.634658	1.150712	1.11880553	0.77006602	1.11084509	46	37	56
80821	NM_001160147,NM_001160148	DDHD1	DDHD domain containing 1	1.19520152	-1.010352011	1.469502	1.760029	1.369884	4.28669603	4.53185994	4.27260082	727	1161	885
11316	NM_001330469,NM_007263,NM	COPE	coatomer protein complex subun	-1.115898592	-1.010522745	104.345201	93.232455	96.143289	6.83694612	6.68019807	6.82197673	4449	5327	5415

84330	NM_001146175,NM_032370	ZNF414	zinc finger protein 414	1.266328961	-1.010618001	6.910587	8.957713	6.356272	3.27584855	3.58491601	3.26218696	341	577	415
5708	NM_001278708,NM_001278709	PSMD2	proteasome 26S subunit, non-AT	1.284815989	-1.010668198	138.599822	178.112059	128.52156	8.68784408	9.04863221	8.67257185	16151	27726	19655
80262	NM_001320540,NM_001320541	C16orf70	chromosome 16 open reading fra	-1.078463408	-1.01086384	12.405746	11.499919	11.548297	5.14718204	5.04138697	5.13203431	1352	1675	1645
30008	NM_016938,NR_037718	EFEMP2	EGF containing fibulin like extrac	1.498683695	-1.010866349	4.988406	7.493211	4.631086	3.42699388	3.96547676	3.4128543	383	767	466
201514	NM_001318002,NM_173548,NR	ZNF584	zinc finger protein 584	1.293167715	-1.010927574	6.518109	8.49442	6.103545	3.97240126	4.3223799	3.95772276	577	997	702
26000	NM_015527	TBC1D10B	TBC1 domain family member 10	1.138966548	-1.01106167	14.768617	16.843422	13.730014	5.59394673	5.77803304	5.57840516	1857	2826	2259
81621	NM_001319303,NM_030929,NR	KAZALD1	Kazal type serine peptidase inhib	-6.510914882	-1.011062515	6.634616	1.307239	6.463817	3.8375314	1.60397149	3.82277197	522	107	635
223	NM_000696	ALDH9A1	aldehyde dehydrogenase 9 famil	1.019673292	-1.011138746	21.704069	22.159988	20.177858	5.75094273	5.77853415	5.73525928	2075	2827	2524
84312	NM_032352	BRMS1L	breast cancer metastasis-suppre	1.320504682	-1.011229283	4.727962	6.246817	4.388995	3.6887407	4.06249189	3.67388275	467	824	568
23198	NM_014614	PSME4	proteasome activator subunit 4	1.196552834	-1.011463211	13.546779	16.22723	12.585443	6.56425305	6.82063753	6.54798346	3676	5877	4470
64788	NM_001352017,NM_001352018	LMF1	lipase maturation factor 1	-1.359889795	-1.011632774	5.394989	3.976028	5.005529	3.95592014	3.5454167	3.94031242	570	560	693
2177	NM_001018115,NM_001319984	FANCD2	Fanconi anemia complementatio	1.058051749	-1.011803193	6.914467	7.331553	6.424185	5.1687957	5.24800972	5.15233896	1373	1941	1669
54477	NM_001143821,NM_001190860	PLEKHA5	pleckstrin homology domain cont	-1.338370741	-1.011817542	7.394476	5.31249	6.566615	4.94372095	4.53897585	4.92732408	1169	1167	1421
79724	NM_024671	ZNF768	zinc finger protein 768	1.105741682	-1.011839165	29.511225	32.669476	27.411829	6.07746806	6.22044356	6.06074026	2612	3859	3175
22902	NM_001037442,NM_001130709	RUFY3	RUN and FYVE domain containir	-1.152916193	-1.011843	11.828543	10.505001	12.681557	5.69529401	5.49424621	5.67863733	1995	2312	2425
7784	NM_001110354,NM_007155	ZP3	zona pellucida glycoprotein 3	-1.010399138	-1.011906652	11.774256	11.235279	10.224723	4.04320744	4.02918937	4.02716981	608	804	739
100507424	NR_038933	LOC100507424	uncharacterized LOC100507424	1.344820136	-1.012116847	2.345019	3.151539	2.174256	1.59082596	1.89025622	1.57922529	79	142	96
191	NM_000687,NM_001161766,NM	AHCY	adenosylhomocysteinase	1.119248087	-1.012166026	89.681928	99.601054	82.768774	7.66342415	7.82519768	7.64606452	7920	11844	9624
23528	NM_001281293,NM_001281294	ZNF281	zinc finger protein 281	1.113104829	-1.012172734	7.135149	7.951204	6.627662	5.12839479	5.2787986	5.11143982	1334	1984	1621
5871	NM_001307990,NM_004579	MAP4K2	mitogen-activated protein kinase	1.243380411	-1.012174422	6.552121	8.166627	6.090886	4.33483599	4.63508	4.3182457	753	1251	915
153579	NM_001308245,NM_152547	BTNL9	butyrophilin like 9	-1.010226967	-1.012232703	0.694552	0.683849	0.642565	1.75224037	1.74192207	1.73991364	93	123	113
256281	NM_001318380,NM_177533	NUDT14	nudix hydrolase 14	-1.223760761	-1.012233457	21.642494	17.777412	19.990044	4.29233333	4.01734947	4.27568916	730	797	887
3750	NM_004979	KCND1	potassium voltage-gated channel	-1.591979298	-1.012590357	1.136022	0.712394	1.05434	2.63728034	2.09724475	2.62213795	205	172	249
79171	NM_001319113,NM_024321	RBM42	RNA binding motif protein 42	1.005840431	-1.012659333	69.444198	70.226431	64.46207	6.8330837	6.84141188	6.8150945	4437	5963	5389
26219	NM_001004452	OR1J4	olfactory receptor family 1 subfan	1.227829369	-1.012784193	0.38056	0.47839	0.352953	0.43999062	0.52452456	0.43515728	14	23	17
100129827	NR_034093,NR_034094,NR_04	MRVI1-AS1	MRVI1 antisense RNA 1	-3.664933469	-1.012784193	0.551354	0.108898	0.484419	0.43999062	0.13134883	0.43515728	14	5	17
101927354	NR_108073	LOC101927354	uncharacterized LOC101927354	-1.332724173	-1.012784193	0.462564	0.335952	0.420253	0.43999062	0.3412894	0.43515728	14	14	17
100131733	NR_038996	USP30-AS1	USP30 antisense RNA 1	-2.061547509	-1.012784193	0.348012	0.162126	0.329435	0.43999062	0.2284445	0.43515728	14	9	17
84328	NM_001316973,NM_001316974	LZIC	leucine zipper and CTNNBIP1 do	-1.027391402	-1.01278805	6.711789	6.579161	6.662446	4.98955224	4.95180631	4.97179891	1208	1571	1467
115908	NM_001256099,NM_138455	CTHRC1	collagen triple helix repeat contai	2.959518785	-1.012835831	0.572971	1.684167	0.524181	0.77668602	1.63971536	0.76902392	111	111	34
728963	NR_026768	RPS15AP10	ribosomal protein S15a pseudoge	-1.622712497	-1.012835831	0.782785	0.49033	0.744596	0.77668602	0.52452456	0.76902392	28	23	34
64282	NM_001040284,NM_001040285	PAPD5	poly(A) RNA polymerase D5, nor	1.146079277	-1.012886054	2.582471	2.959026	2.396771	4.41453771	4.60261969	4.39693481	798	1222	969
9603	NM_004289	NFE2L3	nuclear factor, erythroid 2 like 3	-1.415958885	-1.01295487	87.662628	61.977989	81.325508	8.31132516	7.81142856	8.29281393	12432	11731	15095
4171	NM_004526,NR_073375	MCM2	minichromosome maintenance c	1.971607381	-1.012969087	27.377357	54.055724	25.406549	6.55451234	7.52632166	6.53612067	3651	9618	4433
9113	NM_001270519,NM_001350339	LATS1	large tumor suppressor kinase 1	1.128856857	-1.013061194	4.490966	4.880856	3.721087	4.75792697	4.92670685	4.73989992	1023	1543	1242
79087	NM_024105	ALG12	ALG12, alpha-1,6-mannosyltrans	1.145351169	-1.013076698	10.346274	11.86743	9.597659	4.63907992	4.82752356	4.62109129	939	1437	1140
11333	NM_014891	PDAP1	PDGFA associated protein 1	-1.418032866	-1.013085728	46.844246	33.069061	43.456394	6.94914936	6.4501176	6.93054544	4812	4534	5842
5469	NM_004774	MED1	mediator complex subunit 1	1.144891364	-1.013182651	10.367672	11.88475	9.617404	6.379754	6.57277645	6.36108745	3230	4941	3921
641339	NM_001039891,NM_001146291	ZNF674	zinc finger protein 674	1.111767009	-1.013223724	1.102254	1.228035	1.020271	2.43469539	2.5605457	2.41925694	173	257	210
4067	NM_001111097,NM_002350	LYN	LYN proto-oncogene, Src family	-1.479546541	-1.013238984	3.190288	2.147852	2.968053	3.79315817	3.27693362	3.77555686	505	456	613
154807	NM_001284342,NM_173517	VKORC1L1	vitamin K epoxide reductase com	-1.80377676	-1.013242788	9.436216	5.216938	8.728873	5.82021839	4.98952124	5.80157562	2179	1614	2645
8812	NM_001099402	CCNK	cyclin K	1.131301055	-1.013334474	32.123268	36.381737	29.78339	6.36645416	6.54241176	6.34757619	3200	4837	3884
27335	NM_001300992,NM_001308393	EIF3K	eukaryotic translation initiation fa	-1.245840903	-1.01335663	160.866632	129.333017	148.992129	7.13133848	6.81673931	7.11233353	5465	5861	6633
7041	NM_001042454,NM_001164719	TGFB1I1	transforming growth factor beta 1	-1.009785102	-1.013610299	4.751068	4.704317	4.402917	3.22566415	3.21312006	3.20825259	328	434	398
283272	NM_173611	FAM98B	family with sequence similarity 9	1.07379436	-1.013676708	12.15508	13.073556	11.266118	5.72778681	5.70694011	5.72994911	2039	2927	2474
9733	NM_014706	SART3	squamous cell carcinoma antiger	-1.092396403	-1.013709767	19.53134	17.898466	18.108168	6.3942436	6.26832673	6.3748334	3263	3991	3959
171425	NM_206808,NR_104592	CLYBL	citrate lyase beta like	1.300031863	-1.01383979	1.107828	1.389081	1.022574	1.35261029	1.59489542	1.34055586	61	106	74
158399	NM_001007169,NM_133464	ZNF483	zinc finger protein 483	-1.131730948	-1.01383979	0.447848	0.376417	0.401839	1.35261029	1.24644988	1.34055586	61	72	74
9883	NM_001257190,NM_172020	POM121	POM121 transmembrane nucleo	-1.356443545	-1.01387577	11.855768	8.693805	11.01707	6.03438714	5.60236135	6.01481077	2534	2496	3074
26071	NM_001078172,NM_001134321	RTL8A	retrotransposon Gag like 8A	1.117365493	-1.014048567	40.792635	44.423784	34.961333	5.28267998	5.43889362	5.26307232	1489	2223	1806
161497	NM_153700	STRC	stereocilin	1.892939181	-1.014123006	0.220885	0.421983	0.205032	1.13562816	1.70865125	1.12461302	47	119	57
3425	NM_000203,NR_110313	IDUA	iduronidase, alpha-L-	1.11350111	-1.014173449	24.638451	27.47553	22.835476	5.75910795	5.91150049	5.73917997	2087	3105	2531
79815	NM_001321635,NM_001321636	NIPAL2	NIPA like domain containing 2	-1.103163799	-1.014391337	4.398216	3.908591	3.993736	4.33483599	4.20052559	4.31524723	753	912	913
84619	NM_001083113,NM_001195653	ZGPAT	zinc finger CCCH-type and G-pat	-1.017959917	-1.014403144	35.60816	35.095136	33.144315	6.06982971	6.04453358	6.04950701	2598	3410	3150
7167	NM_000365,NM_001159287,NM	TPI1	triosephosphate isomerase 1	1.249234656	-1.014431111	415.768505	519.892704	366.061142	9.09955264	9.42007378	9.07891958	21498	35883	26065
5092	NM_000281,NM_001289797,NM	PCBD1	pterin-4 alpha-carbinolamine deh	-1.790457668	-1.014453849	65.575969	36.670579	60.688254	6.02313036	5.2001842	6.00274682	2514	1876	3048
388569	NM_207395	ZNF324B	zinc finger protein 324B	1.313916733	-1.014805767	1.887477	2.491985	1.753611	2.70647097	3.04669644	2.68852679	217	381	263
9117	NM_001201572,NM_001201584	SEC22C	SEC22 homolog C, vesicle traffic	1.062130812	-1.014883682	6.044105	6.769517	7.712086	4.82817011	4.91216578	4.80760927	1076	1527	1304
55317	NM_001204446,NM_001204447	AP5S1	adaptor related protein complex 5	1.461930257	-1.014888923	5.41546	7.943407	5.059606	3.44059597	3.94597954	3.42124554	387	756	469
79631	NM_001040610,NM_001322844	EFL1	elongation factor like GTPase 1	-1.030010509	-1.014924186	7.048502	6.857456	6.567274	4.72078319	4.67976064	4.70022518	996	1292	1207
10554	NM_001012727,NM_006412	AGPAT2	1-acylglycerol-3-phosphate O-ac	1.104941461	-1.015018634	105.764889	117.336314	97.667232	7.31678196	7.45976472	7.29541125	6220	9182	7537
51652	NM_001005753,NM_001193517	CHMP3	charged multivesicular body prot	1.043185092	-1.015079076	24.02041	25.127127	22.192624	6.23358867	6.29379011	6.21228282	2915	4063	3532
554202	NR_027054	MIR31HG	MIR31 host gene	1.415692155	-1.015139757	4.826163	6.845632	4.470797	3.47405048	3.9370293	3.45433079	397	751	481
2710	NM_000167,NM_001128127,NM	GK	glycerol kinase	-1.215169117	-1.015474094	0.919139	0.758719	0.865687	2.35073722	2.12902957	2.3329413	161	177	195
80149	NM_001323550,NM_001323551	ZC3H12A	zinc finger CCCH-type containing	1.575089505	-1.015484124	18.521257	29.14105	16.999478	5.64990801	6.29484139	5.62818389	1932	4066	2340
6668	NM_003110	SP2	Sp2 transcription factor	1.179640386	-1.015857776	10.648223	12.57711	9.849711	5.05623208	5.28797897	5.03421913	1267	1997	1534
10888	NM_001330345,NM_016540	GPR83	G protein-coupled receptor 83	1.200868564	-1.015985584	0.229745	0.275069	0.21163	0.97665845	1.11294744	0.96541723	38	61	46
55529	NM_018710	TMEM55A	transmembrane protein 55A	-1.098626436	-1.016155521	3.771834	3.441952	3.486784	3.29843463	3.17708507	3.27767373	347	422	420
1912	NM_001330488,NM_004427,NM	PHC2	polyhomeotic homolog 2	1.552815718	-1.016203564	41.997537	65.099474	38.934324	6.73610712	7.36618088	6.71313634	4146	8602	5018
6760	NM_001007559,NM_001308201	SS18	SS18, nBAF chromatin remodelir	1.046159003	-1.016218637	58.894868	61.772386	54.448862	7.60931277	7.67408977	7.58622142	7627	10661	9231
55677	NM_017969	IWS1	IWS1, SUPT6H interacting protei	1.156017271	-1.016314496	35.590706	41.191452	32.910202	6.71387535	6.92118734	6.690752	4082	6305	4940
283349	NM_178169,NR_040718	RASSF3	Ras association domain family m	-2.115437263	-1.01633141	21.250279	9.965041	19.561808	6.1823895	5.1233639	6.15934204	2812	1776	3403
729234	NR_003698	FAHD2CP	fumarylacetoacetate hydrolase d	1.182331307	-1.016456694	3.048898	3.613972	2.832893	1.82664439	2.0043309	1.80975447	100	158	121
27153	NM_015694	ZNF777	zinc finger protein 777	-1.195200214	-1.016518396	4.621428	3.869885	4.272965	3.89052565	3.65208684	3.8684907	543	607	657
55330	NM_018366	BLOC1S4	biogenesis of lysosomal organell	1.103271129	-1.016649061	12.083418	13.352038	11.17409	4.26392396	4.39868427	4.24134834	715	1054	865
81562	NM_001142292,NM_001322346	LMAN2L	lectin, mannose binding 2 like	1.841468602	-1.016722644	13.210618	24.243596	12.221482	4.99877622	5.85892233	4.97560227	1216	2992	1471
3939	NM_001135239,NM_001165414	LDHA	lactate dehydrogenase A	-1.676621783	-1.016768153	854.285092	519.493434	788.952583	10.8395975	10.0945713	10.8156199	71905	57302	86980
117584	NM_001017368,NR_037713	RFFL	ring finger and FYVE like domain	-1.025495432	-1.016865745	11.911411	11.622404	11.038038	5.62257167	5.58699495	5.5989315	1895	2469	2292
7766	NM_013361	ZNF223	zinc finger protein 223	-1.260151958	-1.016954424	4.123748	3.278423	3.813673	3.42357323	3.1244438	3.40158951	382	405	462
27005	NM_001014443,NM_001319847	USP21	ubiquitin specific peptidase 21	-1.011175447	-1.016979444	16.505061	16.457229	15.122253	5.24247649	5.22686782	5.21883106	1447	1912	1750
222229	NM_001317721,NM_152892	LRWD1	leucine rich repeats and WD repe	-1.141756814	-1.01712893	9.786904	8.562851	9.027595	4.49496323	4.31272471	4.47155306	846	990	1023
9529	NM_001015048,NM_001015049	BAG5	BCL2 associated athanogene 5	1.084379237	-1.017200428	12.854828	13.779903	11.729046	5.94892933	6.06398526	5.92472586	2386	3457	2885
51000	NM_001142541,NM_015948,NR	SLC35B3	solute carrier family 35 member 3	1.010221978	-1.01731456	8.08942	8.577758	7.784092	4.21331566	4.22720295	4.18989199	689	930	833
5860	NM_000320,NM_001306140	QDPR	quinoid dihydropteridine reductas	1.043724454	-1.017523668	22.132085	23.166552	20.41964	5.19009033	5.25017924	5.16571834	1394	1944	1685
121665	NM_139015	SPPL3	signal peptide peptidase like 3	-1.043545555	-1.017588162	13.871069	13.310996	12.81133	5.82735481	5.76696418	5.80264655	2190	2804	2647
440926	NR_002315	H3F3AP4	H3 histone, family 3A, pseudoge	-1.091276298	-1.017618488	309.720703	284.12973	286.013275	8.30029334	8.17469345	8.27517695	12337	15105	14911
10233	NM_001135217,NM_006992,NM	LRRC23	leucine rich repeat containing 23	-1.362583787	-1.017756567	5.177202	3.701534	4.737285	3.14071816	2.75234181	3.11821901	307	301	371
55693	NM_018039	KDM4D	lysine demethylase 4D	1.1225151	-1.017856257	0.839262	0.947718	0.777421	1.78459878	1.90501868	1.76650173	96	144	116
80004	NM_024939	ESRP2	epithelial splicing regulatory prot	-1.007868421	-1.017929692	30.358494	30.155758	28.030848	6.90537089	6.89415802	6.87994812	4667	6187	5639
5093	NM_006196	PCBP1	poly(rC) binding protein 1	1.127490281	-1.018187212	145.635788	164.378906	134.405045	7.96081016	8.13327201	7.93491232	9742	14676	11768
8501	NM_001198810,NM_003627	SLC43A1	solute carrier family 43 member 1	-1.482191341	-1.018204543	1.034455	0.699867	0.961559	1.83696709	1.45142181	1.81825156	101	91	122
9694	NM_001329493,NM_001329494	EMC2	ER membrane protein complex s	-1.364857597	-1.018376217	28.111342	20.850329	26.067119	6.6108664	6.16747684	6.58486621	3798	3718	4587
79158	NM_024312	GNPTAB	N-acetylglucosamine-1-phosphat	-1.14856751	-1.018430617	6.173615	5.38125	5.696215	5.12313239	4.92941706	5.09754499	1329	1546	1605
8896	NM_003910	BUD31	BUD31 homolog	-1.333416807	-1.018459097	49.884476	37.445526	46.026596	5.69103253	5.28516046	5.66515841	1989	1993	2402
6376	NM_001304392,NM_002996	CX3CL1	C-X3-C motif chemokine ligand 1	-1.767618176	-1.018500304	0.425284	0.242683	0.388202	1.23264156	0.81765451	1.21747621	53	40	64
113444	NM_001164824,NM_001164825	SMIM12	small integral membrane protein	-1.063094541	-1.018524306	5.100719	4.804068	4.747431	4.90499701	4.81975384	4.87940578	1137	1429	1373
84747	NM_001080533	UNC119B	unc-119 lipid binding chaperone	1.093812579	-1.018538499	7.552499	8.272923	6.967116	5.06174377	5.18740997	5.03604153	1272	1859	1536
91289	NM_033200	LMF2	lipase maturation factor 2	1.214794082	-1.018609269	27.508131	33.451981	25.374285	6.14185247	6.41895706	6.11563079	2733	4436	3300
26061	NM_001284413,NM_001284415	HACL1	2-hydroxyacyl-CoA lyase 1	-1.065880244	-1.018792082	5.738187	5.419054	5.229417	3.77179482	3.68667221	3.74691298	497	623	600

170384	NM_001284194,NM_173540	FUT11	fucosyltransferase 11	1.954449097	-1.018807642	1.364014	2.730576	1.281139	1.93632435	2.70672986	1.91649468	111	290	134
7546	NM_007129	ZIC2	Zic family member 2	1.179877511	-1.018817314	1.933903	2.283282	1.78133	2.73434891	2.93964205	2.71151569	222	350	268
27095	NM_001270894,NM_001270895	TRAPPC3	trafficking protein particle comple	-1.887060743	-1.018856675	68.721709	36.781575	63.520141	6.49993314	5.59782538	6.47328171	3514	2488	4242
79813	NM_001145527,NM_024757	EHMT1	euchromatic histone lysine methy	-1.120227207	-1.019185131	25.793423	23.054513	24.839093	6.95626902	6.79386996	6.92907512	4836	5768	5836
51291	NM_001288998,NM_001288999	GMIP	GEM interacting protein	1.098926357	-1.019326892	5.392793	5.939648	4.979632	4.28481203	4.41424668	4.25862092	726	1066	876
147650	NM_001316972,NM_001316994	SPACA6	sperm acrosome associated 6	-1.055502257	-1.019382517	6.940646	7.172451	6.283149	3.75011035	3.67810329	3.72448562	489	619	590
9775	NM_014740	EIF4A3	eukaryotic translation initiation fa	1.150771061	-1.019486239	115.031754	132.529037	106.029999	7.60893635	7.81057126	7.58123763	7625	11724	9199
51194	NM_001134779,NM_016338	IPO11	importin 11	1.088900555	-1.019560705	7.331625	7.988953	6.758811	5.01591383	5.13515097	4.9888356	1231	1791	1485
1396	NM_001311	CRIP1	cysteine rich protein 1	-1.459375572	-1.01957009	351.194275	240.880402	323.698395	7.36148853	6.82015082	7.33369876	6417	5875	7741
201799	NM_152680	TMEM154	transmembrane protein 154	1.035787991	-1.01958365	2.831005	2.941414	2.612315	3.30588543	3.35157866	3.28075123	349	483	421
26262	NM_001006616,NM_012171,NM	TSPAN17	tetraspanin 17	-1.031533481	-1.019675969	20.651807	20.074395	18.992257	5.72129859	5.67736765	5.69372425	2032	2632	2451
84545	NM_001308396,NM_032112,NM	MRPL43	mitochondrial ribosomal protein L	-1.621515719	-1.019758332	55.812679	34.82812	52.165455	5.87258686	5.19042586	5.84484461	2261	1863	2727
29801	NM_001185024,NM_013373	ZDHHC8	zinc finger DHHC-type containing	1.219414515	-1.019785299	9.107843	11.069086	8.236396	5.48000681	5.76038336	5.45237894	1713	2791	2066
26276	NM_001289148,NM_001289149	VPS33B	VPS33B, late endosome and lysc	-1.362483456	-1.019792851	7.783625	5.708111	7.158409	4.46032739	4.03758735	4.43334413	825	809	995
92482	NM_001195304,NM_001195305	BBIP1	BBSome interacting protein 1	1.081294249	-1.019865306	3.99475	4.28052	3.68692	3.25290323	3.35427048	3.22751932	335	484	404
22878	NM_014939	TRAPPC8	trafficking protein particle comple	-1.208982803	-1.020057522	5.52769	4.577949	5.091604	5.11573264	4.85058478	5.08791408	1322	1461	1594
146880	NR_027487	ARHGAP27P1	Rho GTPase activating protein 2	-1.776829844	-1.020342257	24.546944	13.830473	22.606377	6.12299522	5.30963773	6.09436188	2697	2028	3251
9873	NM_014824	FCHSD2	FCH and double SH3 domains 2	-1.123615467	-1.02058083	3.635602	3.235873	3.346511	4.07843661	3.92077761	4.05079762	624	742	752
102606463	NR_110124,NR_110132	LINC01152	long intergenic non-protein codin	-1.143069062	-1.020817587	0.60593	0.526087	0.55809	1.63881618	1.51053416	1.61867597	83	97	100
84464	NM_032444	SLX4	SLX4 structure-specific endonucl	-1.094557638	-1.020882935	6.742875	6.167529	6.205211	5.61509368	5.4875188	5.58588904	1885	2301	2271
140809	NM_080725	SRXN1	sulfiredoxin 1	1.206887304	-1.020920261	23.85165	28.821394	21.954792	5.98766551	6.25506445	5.95826952	2452	3954	2954
60560	NM_001321881,NM_001321882	NAA35	N(alpha)-acetyltransferase 35, N	1.07813757	-1.021196119	15.36144	16.238261	11.918129	5.87822053	5.98498794	5.84847888	2270	3270	2734
79989	NM_001144920,NM_001144923	TTC26	tetratricopeptide repeat domain 2	-1.043747414	-1.02137464	2.935044	2.494776	2.171334	3.42357323	3.36765473	3.39592396	382	489	460
89932	NM_173462	PAPLN	papilin, proteoglycan like sulfatec	1.282123638	-1.02142061	1.733193	2.227388	1.596206	3.44059597	3.76967342	3.4128543	387	663	466
100861548	NR_046507	PINK1-AS	PINK1 antisense RNA	1.294227863	-1.021597789	1.500105	1.942306	1.378834	2.90595399	3.23373217	2.8792661	255	441	307
102157402	NM_001015891,NM_016283	AK6	adenylate kinase 6	-1.272640048	-1.021748918	50.959318	38.138723	46.572053	5.60002041	5.26026072	5.56962461	1865	1958	2245
55787	NM_001168683,NM_018360	TXLNG	taxilin gamma	-1.207157356	-1.021832095	20.82954	17.319878	19.160729	6.4946452	6.22633294	6.46383529	3501	3875	4214
134266	NM_152407	GRPEL2	GrpE like 2, mitochondrial	-1.019352218	-1.02221392	12.322532	12.104327	11.327849	5.651371	5.62427223	5.62030952	1934	2535	2327
134957	NM_001127715,NM_139244	STXBP5	syntaxin binding protein 5	1.134301048	-1.022275901	0.893094	1.017342	0.821746	3.19389071	3.35695728	3.16560381	320	485	385
7728	NM_007147,NR_136208	ZNF175	zinc finger protein 175	1.096823738	-1.022329846	4.339203	4.994998	3.986772	3.8375314	3.96195135	3.80791592	522	765	628
5917	NM_002887	RARS	arginyl-tRNA synthetase	1.05138281	-1.022344985	55.311001	58.226746	50.842205	6.85990595	6.93158852	6.8281055	4521	6351	5439
23491	NM_001185176,NM_001185177	CES3	carboxylesterase 3	-1.056221771	-1.022360961	12.030945	10.826853	10.120955	5.30887308	5.23199948	5.2777797	1517	1919	1825
51218	NM_016417	GLRX5	glutaredoxin 5	-1.001863404	-1.022537505	98.024559	97.951584	90.087379	6.81720397	6.81454192	6.78533769	4388	5852	5278
106635540	NR_132788_chr2,NR_132788_c	SNORA105B	small nucleolar RNA, H/ACA box	1.849629473	-1.0226078	16.633963	30.83913	15.262885	1.5285023	2.16626946	1.50747923	74	183	89
7422	NM_001025366,NM_001025367	VEGFA	vascular endothelial growth facto	2.030325096	-1.022645984	21.109543	42.684301	19.414242	6.18491721	7.19655708	6.15305813	2817	7642	3388
10477	NM_001278554,NM_001278555	UBE2E3	ubiquitin conjugating enzyme E2	1.98666545	-1.022829635	50.847968	101.264019	46.813165	6.30364437	7.28491901	6.27149421	3062	8128	3682
667	NM_001144769,NM_001144770	DST	dystonin	-1.308531681	-1.022898564	11.783396	8.959996	11.334228	7.58425566	7.19861809	7.55176422	7495	7653	9012
2962	NM_002096	GTF2F1	general transcription factor IIF su	1.211281244	-1.022921463	36.273537	43.992733	33.330505	6.50964486	6.78342183	6.47731132	3538	5726	4254
100505771	NR_132417,NR_132418	MHENCR	melanoma highly expressed com	-1.141050524	-1.022931212	16.938719	18.924376	15.613592	3.80372238	3.62781914	3.77337356	509	596	612
55701	NM_001278529,NM_001278530	ARHGEF40	Rho guanine nucleotide exchang	1.131710723	-1.023104037	3.267498	3.801098	3.002326	4.31466478	4.48473082	4.28338119	742	1122	892
9128	NM_001244926,NM_001322266	PRPF4	pre-mRNA processing factor 4	1.121794085	-1.023159653	19.671508	22.098009	18.045765	5.83187785	5.99494072	5.79943137	2197	3293	2641
9921	NM_001330474,NM_014868	RNF10	ring finger protein 10	-1.320939057	-1.023406174	24.842023	18.835392	22.828215	6.55685612	6.16018847	6.52383488	3657	3699	4395
57805	NM_021174,NR_033902	CCAR2	cell cycle and apoptosis regulato	1.120959441	-1.023451074	25.788997	28.975021	23.711815	6.59916399	6.7622958	6.56606979	3767	5642	4527
54187	NM_018946	NANS	N-acetylneuraminate synthase	-1.283591164	-1.023520988	101.049858	78.806206	92.784073	6.942592	6.58571949	6.90932637	4790	4986	5756
100287896	NM_001319240	LOC100287896	uncharacterized LOC100287896	-1.245444192	-1.023548518	1.307943	1.045842	1.197821	2.05603457	1.82188956	2.03057861	124	133	149
171392	NM_138330	ZNF675	zinc finger protein 675	-1.040280547	-1.02357587	8.863753	8.533265	8.140298	4.32753359	4.27344453	4.29580377	749	962	900
80169	NM_025099,NR_046431	CTC1	CST telomere replication comple	1.075059361	-1.023656223	3.438206	3.692099	3.162669	4.62276571	4.72309898	4.59041505	928	1333	1115
88745	NM_001329704,NM_033112,NR	RRP36	ribosomal RNA processing 36	1.272907836	-1.023764839	18.767148	23.956082	17.222465	4.53196733	4.86669962	4.49955999	869	1478	1044
5379	NR_003613	PMS2P1	PMS1 homolog 2, mismatch repa	-1.960357107	-1.023807494	7.775095	3.96484	7.145469	3.64534899	2.78063431	3.614139	452	308	543
51665	NM_001040445,NM_001330196	ASB1	ankyrin repeat and SOCS box co	1.393811376	-1.023818473	8.051015	11.284651	7.390163	5.78199488	6.25362336	5.74865753	2121	3950	2548
5771	NM_001207013,NM_001308287	PTPN2	protein tyrosine phosphatase, no	-1.134896821	-1.023840026	57.254994	53.613197	46.765198	6.74367085	6.56291967	6.71000053	4168	4907	5007
124411	NM_001130913	ZNF720	zinc finger protein 720	1.066542887	-1.023889219	4.59074	4.901769	4.208091	3.74463792	3.83086756	3.71313983	487	694	585
6813	NM_001127396,NM_001272034	STXBP2	syntaxin binding protein 2	1.086216203	-1.023954904	42.783808	46.607029	39.305213	6.32213325	6.44001655	6.28841171	3102	4502	3726
7186	NM_021138	TRAF2	TNF receptor associated factor 2	-1.094569925	-1.024117945	35.548912	32.51825	32.625458	6.31891475	6.19025398	6.28496741	3095	3778	3717
5209	NM_001145443,NM_001282630	PFKFB3	6-phosphofructo-2-kinase/fructos	2.495453183	-1.024163483	4.981256	12.705677	4.757979	4.54304361	5.8248786	4.5100879	876	2921	1052
473	NM_001042681,NM_001042682	RERE	arginine-glutamic acid dipeptide r	1.136132291	-1.02428605	10.146657	12.525237	9.313578	6.32488626	6.50686498	6.29070334	3108	4718	3732
148423	NM_198077,NR_024113	C1orf52	chromosome 1 open reading fran	1.090852398	-1.0242997	12.380982	13.542564	11.357173	5.37412105	5.49668479	5.34032578	1589	2316	1908
26154	NM_015657,NM_173076,NR_10	ABCA12	ATP binding cassette subfamily A	21.8569456	-1.024385657	0.011399	0.317737	0.011836	0.17294258	1.94127715	0.16897038	5	149	6
131368	NM_001329788,NM_175056	ZPLD1	zona pellucida like domain conta	9.546722428	-1.024385657	0.028032	0.337461	0.026772	0.17294258	1.16293478	0.16897038	5	65	6
197	NM_001622	AHSG	alpha 2-HS glycoprotein	1.486457258	-1.024385657	0.082828	0.112152	0.069616	0.17294258	0.25173066	0.16897038	5	10	6
106633804	NR_132756	SNORD135	small nucleolar RNA, C/D box 13	2.658859464	-1.024385657	1.630115	4.562067	1.562119	0.17294258	0.42561204	0.16897038	5	18	6
100287441	NM_001256861,NM_001256861	USP17L20	ubiquitin specific peptidase 17-lik	1.193356706	-1.024385657	0.074727	0.097791	0.065906	0.17294258	0.20477631	0.16897038	5	8	6
114655	NR_145963	SNORD73B	small nucleolar RNA, C/D box U7	-1.647024248	-1.024385657	1.471248	0.931562	1.554203	0.17294258	0.10601836	0.16897038	5	4	6
107985781	NR_144453,NR_144454	FSIP2-AS1	FSIP2 antisense RNA 1	2.219208637	-1.024385657	0.171099	0.468194	0.165404	0.17294258	0.36283659	0.16897038	5	15	6
26812	NR_002602	SNORD37	small nucleolar RNA, C/D box 37	1.339906982	-1.024385657	1.769987	2.387716	1.715164	0.17294258	0.17294258	0.16897038	5	9	6
27443	NM_001290046,NM_001290047	CECR2	CECR2, histone acetyl-lysine rea	3.831261671	-1.024385657	0.010836	0.052734	0.012357	0.17294258	0.58077243	0.16897038	5	26	6
100129291	NR_136576	LOC100129291	chromosome X open reading fran	-1.326777498	-1.024385657	0.057643	0.048056	0.055842	0.17294258	0.13134883	0.16897038	5	5	6
23435	NM_007375	TARDBP	TAR DNA binding protein	1.122164249	-1.024398565	71.607903	80.445946	65.686783	8.20463472	8.37038755	8.16997655	11543	17307	13859
170954	NM_001134870,NM_133471	PPP1R18	protein phosphatase 1 regulatory	-1.022466762	-1.024409601	13.705785	14.176603	13.076632	5.85491784	5.82342229	5.82073175	2233	2918	2681
727936	NM_001080393,NR_138564	GXYLT2	glucoside xylosyltransferase 2	-1.331384061	-1.024662684	0.169438	0.117629	0.154965	0.3273552	0.25173066	0.32020933	10	10	12
286133	NM_173833	SCARA5	scavenger receptor class A mem	2.084015866	-1.024662684	0.059315	0.13208	0.057736	0.3273552	0.61708849	0.32020933	10	28	12
101928153	NR_110531,NR_110532	ITGA9-AS1	ITGA9 antisense RNA 1	-1.890555353	-1.024662684	0.43047	0.203543	0.346331	0.3273552	0.18071335	0.32020933	10	7	12
29935	NM_013347	RPA4	replication protein A4	1.491607957	-1.024662684	0.166251	0.251142	0.154324	0.3273552	0.46599441	0.32020933	10	20	12
103021294	NR_131907	ABALON	apoptotic BCL2L1-antisense long	-1.112099584	-1.024662684	0.137065	0.123401	0.125419	0.3273552	0.29720487	0.32020933	10	12	12
60509	NM_001035507,NM_021831,NR	AGBL5	ATP/GTP binding protein like 5	1.448961694	-1.024736629	8.079017	11.29983	6.818709	4.46698912	4.98170859	4.43334413	829	1605	995
644660	NR_033886	RAD21-AS1	RAD21 antisense RNA 1	2.137397517	-1.02475643	0.184823	0.414522	0.173905	0.46682716	0.86372326	0.45708734	15	43	18
83849	NM_031912,NM_181519	SYT15	synaptotagmin 15	-1.33294858	-1.02475643	0.074187	0.053258	0.064055	0.46682716	0.36283659	0.45708734	15	15	18
2273	NM_001159699,NM_001159700	FHL1	four and a half LIM domains 1	4.323138527	-1.024803571	0.181083	0.783459	0.161585	0.5939636	1.68318474	0.58209675	20	116	24
101927780	NR_110416,NR_110417	LOC101927780	uncharacterized LOC101927780	1.717559751	-1.024803571	0.098296	0.173213	0.514796	0.59399636	0.90836632	0.58209675	20	46	24
55835	NM_018451,NR_047594,NR_04	CENPJ	centromere protein J	-1.2275018	-1.024820148	7.059758	5.717027	6.426244	5.17491202	4.88821942	5.14052934	1379	1501	1655
29798	NM_013310	C2orf27A	chromosome 2 open reading fran	3.074669104	-1.024831942	0.524531	1.650278	0.476657	0.71085839	1.5673195	0.69713258	25	103	30
400658	NM_001272093	C18orf65	chromosome 18 open reading fra	1.673609712	-1.024831942	0.312523	0.525415	0.281086	0.71085839	1.04792463	0.69713258	25	56	30
170850	NM_133329,NM_172344	KCNG3	potassium voltage-gated channel	-1.666184016	-1.024850891	0.202598	0.122972	0.183881	0.81895953	0.54351856	0.80366934	30	24	36
554210	NR_029957	MIR429	microRNA 429	-1.054696234	-1.024882539	14.183824	13.402896	12.837506	1.10178443	1.06116576	1.08290869	45	57	54
221895	NM_175061	JAZF1	JAZF zinc finger 1	2.2306345	-1.024898393	0.489301	1.093411	0.448763	1.33814853	2.14154997	1.31676564	60	179	72
100289092	NM_046287,NR_046288,NR_04	ATP2A1-AS1	ATP2A1 antisense RNA 1	1.162684149	-1.024902055	3.09391	3.578537	2.86477	1.40904982	1.5486383	1.38699077	65	101	78
286122	NM_173687,NR_126398,NR_12	C8orf31	chromosome 8 open reading fran	-1.253487235	-1.024939087	5.458013	4.361439	4.831096	3.51641288	3.22198991	3.48400652	410	437	492
64925	NM_022903	CCDC71	coiled-coil domain containing 71	1.622315144	-1.024939489	6.267894	10.196565	5.757771	3.59454042	4.2461677	3.56196863	435	943	522
64223	NM_001199173,NM_001199174	MLST8	MTOR associated protein, LST8	1.317213051	-1.02494341	14.590987	19.258793	13.433764	4.82687594	5.21210456	4.79259544	1075	1892	1290
5355	NM_002668	PLP2	proteolipid protein 2	-1.314731635	-1.024944993	66.006386	50.265076	60.536877	6.09531432	5.70715386	6.0602926	2645	2688	3174
4925	NM_001330227,NM_005013	NUCB2	nucleobindin 2	-1.73064686	-1.024978526	83.586188	48.36037	76.544001	7.05352904	6.27010962	7.01820583	5176	3996	6211
9295	NM_001190987,NM_001350605	SRSF11	serine and arginine rich splicing f	-1.1576516	-1.025058998	76.611129	66.414953	72.056299	8.26978144	8.05931503	8.23419128	12078	13940	14492
440456	NR_024386	PLEKHM1P1	pleckstrin homology and RUN do	-1.572712429	-1.025109994	18.502573	11.773925	16.957918	5.74547346	5.10749649	5.7103679	2067	1756	2480
9015	NM_001201536,NM_005681,NM	TAF1A	TATA-box binding protein associ	1.100711016	-1.025310451	6.280594	6.940251	5.768259	3.67154031	3.79960773	3.63833419	461	678	553
84286	NM_001297423,NM_001297424	TMEM175	transmembrane protein 175	-1.086062736	-1.025415973	26.06801	24.941827	24.630711	5.81826596	5.70135133	5.78270452	2176	2677	2610
81576	NM_001320561,NM_001320564	CCDC130	coiled-coil domain containing 130	1.017087982	-1.025439698	19.237407	19.61793	17.627251	5.17491202	5.19868721	5.13968208	1379	1874	1654
9262	NM_004226	STK17B	serine/threonine kinase 17b	-1.515444205	-1.025475475	4.743817	3.13428	4.349329	4.67404687	4.10306728	4.63918874	963	849	1155
118433	NR_000029,NR_024528,NR_02	RPL23AP7	ribosomal protein L23a pseudoge	1.056315625	-1.025477676	6.921772	7.202078	6.085045	3.17773766	3.24827687	3.1454863	316	446	379
7266	NM_001144766,NM_003315,NR	DNAJC7	DnaJ heat shock protein family (H	1.520419584	-1.025524899	52.906691	80.391411	48.487912	6.73023514	7.33005869	6.69421843	4129	8388	4952

11313	NM_007260	LYPLA2	lysophospholipase II	1.19047106	-1.025724816	38.838871	46.281971	35.578724	5.96372475	6.21156417	5.92767386	2411	3835	2891
56998	NM_001012329,NM_020248	CTNNBIP1	catenin beta interacting protein 1	-1.047364743	-1.025874637	14.592858	13.941857	13.364376	5.43059347	5.36540872	5.39460182	1654	2110	1983
162655	NM_145287,NR_033354	ZNF519	zinc finger protein 519	1.460615188	-1.02602182	4.718072	6.811889	4.881458	4.65666933	5.1851439	4.62109129	951	1856	1140
5706	NM_002806	PSMC6	proteasome 26S subunit, ATPas	-1.019511232	-1.02611077	79.526505	78.095482	72.833122	6.95833899	6.93068704	6.92145453	4843	6347	5805
10939	NM_006796	AFG3L2	AFG3 like matrix AAA peptidase	1.251182339	-1.026114687	26.219156	32.846951	24.018305	6.37400578	6.69381113	6.33726668	3217	5378	3856
55827	NM_001017977,NM_001198956	DCAF6	DDB1 and CUL4 associated fact	1.293308038	-1.026143439	16.629504	21.487224	15.262699	5.79462825	6.15980385	5.75807323	2140	3698	2565
55861	NM_001048221,NM_001048222	DBNDD2	dysbindin domain containing 2	-1.841191614	-1.026340202	43.00223	23.393709	40.825161	5.67097747	4.81389896	5.63421199	1961	1423	2350
23012	NM_015000	STK38L	serine/threonine kinase 38 like	-1.419278393	-1.026401836	4.814611	3.393769	4.406676	4.63760441	4.15647998	4.60153379	938	883	1124
387680	NM_001005751,NM_001291398	WASHC2A	WASH complex subunit 2A	-1.408268988	-1.026514541	7.27442	5.158637	6.683645	5.09974705	4.62285328	5.06310491	1307	1240	1566
4605	NM_001278610,NM_002466	MYBL2	MYB proto-oncogene like 2	1.491269514	-1.026555795	24.028375	35.876126	22.003489	6.04277245	6.61210602	6.00553977	2549	5079	3054
84171	NM_032211	LOXL4	lysyl oxidase like 4	1.597239604	-1.026578194	40.480366	64.731697	37.053562	7.18131131	7.85318067	7.14373119	5659	12077	6780
84065	NM_032125,NR_037576,NR_03	TMEM222	transmembrane protein 222	1.165509855	-1.026623809	19.100615	22.371796	17.706589	5.00565571	5.22024304	4.9689398	1222	1903	1464
115992	NM_001171815,NM_001171816	RNF166	ring finger protein 166	-1.017993903	-1.026722183	6.620565	6.480203	5.992551	3.72531928	3.70154644	3.69017701	480	630	575
54784	NM_017621	ALKBH4	alkB homolog 4, lysine demethyla	-1.621514088	-1.026792824	4.545045	2.808558	4.165214	3.37835054	2.76453517	3.34390718	369	304	442
10488	NM_006368	CREB3	cAMP responsive element bindin	1.134287146	-1.026807232	9.066278	10.295016	8.303451	4.11706758	4.28900382	4.08112291	642	973	769
7570	NM_006963	ZNF22	zinc finger protein 22	1.443433031	-1.026963402	3.000736	4.331475	2.746047	2.89611494	3.36498779	2.86293141	253	488	303
9382	NM_018714	COG1	component of oligomeric golgi co	-1.098662167	-1.026976955	24.692003	22.496878	22.593592	6.20846367	6.07463414	6.17058457	2864	3483	3430
92270	NM_001017971,NM_001349371	ATP6AP1L	ATPase H+ transporting accesso	1.570411543	-1.027040148	1.023443	1.595451	0.962064	2.3579234	2.90334193	2.32699908	162	340	194
51181	NM_001195218,NM_016286	DCXR	dicarbonyl and L-xylulose reducta	-1.393596614	-1.027252759	77.288417	55.497002	70.682704	5.98534723	5.51544527	5.94717473	2448	2347	2931
9093	NM_001135110,NM_001286516	DNAJA3	DnaJ heat shock protein family (H	1.164280763	-1.027276395	29.090096	34.724186	26.876404	6.27972211	6.49654578	6.24140268	3011	4684	3605
8792	NM_001270949,NM_001270950	TNFRSF11A	TNF receptor superfamily membe	-1.48574092	-1.027287858	1.238154	0.834594	1.230217	2.71208982	2.24380223	2.67922768	218	196	261
64780	NM_001159291,NM_001286613	MICAL1	microtubule associated monooxy	-1.235091602	-1.02747369	7.49018	6.000753	6.778546	4.74702075	4.45494398	4.70939036	1015	1098	1215
8535	NM_003655	CBX4	chromobox 4	1.011912017	-1.027700286	26.38979	26.73801	24.137856	6.11028539	6.12712406	6.0714425	2673	3614	3199
29105	NM_013242,NR_136632	CFAP20	cilia and flagella associated prote	1.337373316	-1.027745037	37.866348	50.931674	34.859724	5.62331734	6.03533764	5.58464442	1896	3388	2269
79169	NM_024319,NR_130975	C1orf35	chromosome 1 open reading fran	1.002885864	-1.027805524	33.324218	33.813741	30.749	5.59318572	5.59725738	5.55446677	1856	2487	2221
147138	NM_152468	TMC8	transmembrane channel like 8	-4.882009683	-1.027824932	9.149491	1.872838	8.366858	5.33550944	3.1801226	5.29690588	1546	423	1850
22906	NM_001042646,NM_001265608	TRAK1	trafficking kinesin protein 1	-1.526623369	-1.0278828	16.254052	10.605551	15.282819	6.34355917	5.74251508	6.30437724	3149	2756	3768
2146	NM_001203247,NM_001203248	EZH2	enhancer of zeste 2 polycomb re	-1.517717257	-1.028715348	37.883158	24.977826	34.613477	6.65273749	6.05821852	6.61230415	3911	3443	4676
90843	NM_001006684,NM_153333	TCEAL8	transcription elongation factor A I	1.50445378	-1.028785188	32.3394	48.422242	29.361802	5.26749617	5.84415687	5.22762904	1473	2961	1761
475	NM_004045	ATOX1	antioxidant 1 copper chaperone	-1.159550719	-1.028829092	101.537354	87.659584	92.739281	5.62480753	5.41588625	5.58464442	1898	2187	2269
79648	NM_001172574,NM_001172575	MCPH1	microcephalin 1	-1.019378268	-1.028897078	3.641185	3.095728	3.191966	4.30540198	4.27912189	4.26640425	737	966	881
205251	NR_027063	LINC00116	long intergenic non-protein codin	1.203263211	-1.02892902	10.410498	12.546576	9.514653	4.12340669	4.37634613	4.08464905	645	1037	771
5681	NM_006742	PSKH1	protein serine kinase H1	1.14518332	-1.029198039	4.234174	4.858983	3.869098	3.94164205	4.12530075	3.90285244	564	863	674
7022	NM_003222	TFAP2C	transcription factor AP-2 gamma	1.00438454	-1.029258985	11.609543	11.674333	10.602902	5.06174377	5.06786744	5.02139743	1272	1707	1520
23318	NM_001009881,NM_015269	ZCCHC11	zinc finger CCHC-type containing	-1.08945642	-1.029276944	10.091	9.276314	9.214491	5.87007592	5.74866631	5.82916462	2257	2768	2697
90381	NM_001308025,NM_152259	TICRR	TOPBP1 interacting checkpoint a	-1.087898862	-1.029448812	8.216905	7.561908	7.502329	5.76452587	5.64530591	5.72343286	2095	2573	2503
55333	NM_018373	SYNJ2BP	synaptojanin 2 binding protein	1.118200395	-1.029482551	9.66548	10.822061	8.82463	6.07583467	6.23475702	6.03454393	2609	3898	3117
1875	NM_001083588,NM_001083589	E2F5	E2F transcription factor 5	1.202850126	-1.02957769	8.364658	10.082423	7.633141	3.9199564	4.17029377	3.88071204	555	892	663
4237	NM_001135247,NM_001135248	MFAP2	microfibrillar associated protein 2	4.184420863	-1.029665703	1.689194	7.154973	1.526146	1.50279892	3.11812251	1.47560397	72	403	86
10654	NM_001323011,NM_001323012	PMVK	phosphomevalonate kinase	-1.038264513	-1.029668907	12.529588	12.063512	11.384267	4.06312959	4.01224533	4.02350017	617	794	737
9973	NM_005125	CCS	copper chaperone for superoxide	1.528636927	-1.029810297	17.859629	27.343761	16.301926	4.24466875	4.83042646	4.20455055	705	1440	842
2121	NM_001306090,NM_001306092	EVC	EvC ciliary complex subunit 1	-1.208969858	-1.02985484	1.403282	1.195803	1.161159	3.16959281	2.92884759	3.13191707	314	347	375
5711	NM_001270427,NM_005047	PSMD5	proteasome 26S subunit, non-AT	1.098607806	-1.029916547	20.245678	22.315219	18.489947	6.12088468	6.25470432	6.07897551	2693	3953	3216
10609	NM_006455	P3H4	prolyl 3-hydroxylase family memt	1.667958317	-1.029963483	7.555504	12.62454	6.894072	4.33301385	5.04222188	4.29255782	752	1676	898
55656	NM_017864,NR_073444,NR_07	INTS8	integrator complex subunit 8	-1.227215134	-1.029968439	24.470732	19.770572	22.203612	6.35662242	6.06521799	6.31454829	3178	3460	3795
56916	NM_001128429,NM_001128430	SMARCAD1	SWI/SNF-related, matrix-associa	-1.201121803	-1.030035507	9.818409	8.339567	9.195775	5.64257074	5.38396917	5.60074135	1922	2138	2295
29086	NM_001033549,NM_001288756	BABAM1	BRISC and BRCA1 A complex m	-1.094159043	-1.030102171	49.939282	45.446198	45.186204	6.15738072	6.02945501	6.11519985	2763	3374	3299
64417	NM_022483	TMEM267	transmembrane protein 267	-1.250470724	-1.030162109	4.981657	3.98779	4.540422	3.84777676	3.55012021	3.80791592	526	562	628
26155	NM_015658	NOC2L	NOC2 like nucleolar associated t	1.198981307	-1.030291626	72.318367	86.810898	65.96727	7.63060821	7.89121199	7.58777534	7741	12401	9241
84503	NM_032453	ZNF527	zinc finger protein 527	1.070852522	-1.030362392	1.289332	1.38244	1.17472	2.89611494	2.98202989	2.85881867	253	362	302
22834	NM_001145365,NM_014897,NR	ZNF652	zinc finger protein 652	-1.40137318	-1.030436703	6.967521	4.981912	6.045503	6.21490924	5.73582152	6.1722427	2877	2743	3434
146547	NM_001258290,NM_001258291	PRSS36	protease, serine 36	-1.591983775	-1.030448501	0.855143	0.537183	0.802626	1.75224037	1.31437719	1.72191206	93	78	111
4736	NM_007104	RPL10A	ribosomal protein L10a	1.07050337	-1.030457347	424.032562	454.417542	386.693268	8.21839513	8.31636628	8.17525744	11654	16669	13910
55319	NM_018352	TMA16	translation machinery associated	1.042128622	-1.030641388	14.384933	15.006495	13.117098	4.8007456	4.85819066	4.75878381	1055	1469	1259
84945	NM_032859	ABHD13	abhydrolase domain containing 1	1.032014247	-1.030642626	2.523784	2.609367	2.301833	3.81159508	3.85387581	3.77118696	512	706	611
5899	NM_002881	RALB	RAS like proto-oncogene B	1.182996538	-1.030655887	39.665844	46.98703	36.173382	6.46500194	6.70492623	6.42193834	3429	5420	4092
1122	NM_001821	CHML	CHM like, Rab escort protein 2	1.171401193	-1.030676255	6.987083	8.197064	6.371594	5.61734115	5.8412815	5.57464861	1888	2955	2253
2109	NM_001014763,NM_001985	ETFB	electron transfer flavoprotein beta	-1.049401606	-1.030744283	124.28859	118.502207	113.849411	6.82565171	6.75671129	6.78235512	4414	5620	5267
3326	NM_001271969,NM_001271970	HSP90AB1	heat shock protein 90 alpha famil	1.048206736	-1.030814504	505.44477	530.594966	460.924031	10.37779714	10.44567069	10.33404571	52198	73105	62281
150135	NR_027272	LINC00479	long intergenic non-protein codin	1.548361089	-1.030912487	0.733364	1.130817	0.66069	1.29387258	1.70021226	1.26797492	57	118	68
22985	NM_001164814,NM_001164815	ACIN1	apoptotic chromatin condensatio	1.131297198	-1.030939645	105.852447	116.53414	84.27969	8.54112508	8.58912508	8.36780836	13330	20149	15903
146059	NM_138477	CDAN1	codanin 1	-1.206706236	-1.030948246	7.068835	5.864541	6.444319	5.04736934	4.78526051	5.00474315	1259	1394	1502
220074	NM_001145307,NM_001145308	LRTOMT	leucine rich transmembrane and	1.332255246	-1.031095047	2.259573	2.935569	1.955812	2.73986043	3.09899072	2.70236404	223	397	266
92312	NM_001093725	MEX3A	mex-3 RNA binding family memb	1.034521946	-1.031242391	1.395016	1.445361	1.269699	3.22173053	3.26553914	3.18215673	327	452	390
7707	NM_001348424,NM_001348425	ZNF148	zinc finger protein 148	1.559094781	-1.031343632	4.722965	7.620275	4.308805	5.48493837	5.41101974	4.67237502	1719	3581	2050
79866	NM_001286746,NM_001286747	BORA	bora, aurora kinase A activator	-1.213738844	-1.03135375	8.801126	7.346834	8.11103	4.71519816	4.44740017	4.67237502	992	1092	1183
84561	NM_001195483,NM_024628	SLC12A8	solute carrier family 12 member 8	1.367254617	-1.031402919	6.569367	8.998373	5.969319	4.54619271	4.9808379	4.50351696	878	1604	1047
154313	NM_001031743	CFAP206	cilia and flagella associated prote	-3.292881657	-1.031488601	0.608089	0.178389	0.551515	1.21691895	0.48576948	1.19154816	52	21	62
94234	NM_033260	FOXQ1	forkhead box Q1	-1.102673522	-1.031737286	39.695141	36.03759	36.155003	6.50196181	6.36258509	6.45738982	3519	4264	4195
5128	NM_001170464,NM_002595	CDK17	cyclin dependent kinase 17	-1.209782112	-1.031812625	8.305381	6.946872	7.519444	5.22293093	4.95624277	5.17897479	1427	1576	1701
23225	NM_024923	NUP210	nucleoporin 210	1.321832245	-1.031853013	14.724953	19.489693	13.412145	6.70544932	7.10462789	6.66065085	4058	7167	4837
80194	NM_001078650,NM_001078651	TMEM134	transmembrane protein 134	-1.037204051	-1.032023508	25.13387	24.278981	22.904111	4.61528873	4.56477126	4.57169125	923	1189	1100
6666	NM_006943	SOX12	SRY-box 12	1.894247735	-1.03216711	6.415062	12.172465	5.843722	4.91233736	5.81122887	4.86819666	1143	2893	1362
6170	NM_001000	RPL39	ribosomal protein L39	1.090135638	-1.032212096	1008.153442	1100.253052	917.816895	8.6874876	8.81170668	8.64186055	16147	23519	19240
5016	NM_002557	OVGP1	oviductal glycoprotein 1	1.428947145	-1.032247269	2.1842	3.138666	1.989444	2.53320657	2.97154911	2.49540988	188	359	224
57179	NM_001079684,NM_001079685	KIAA1191	KIAA1191	-1.06446726	-1.032605199	40.347424	37.753923	35.550244	6.73196468	6.64270541	6.6861171	4134	5189	4924
26056	NM_015470	RAB11FIP5	RAB11 family interacting protein	1.301980931	-1.032861948	4.158797	5.42401	3.78861	4.21727226	4.5798	4.17342809	691	1202	823
23	NM_001025091,NM_001090	ABCF1	ATP binding cassette subfamily F	1.038563377	-1.03290397	23.488811	24.325243	21.246645	6.31791335	6.37188091	6.31799386	3093	4292	3683
55609	NM_017666	ZNF280C	zinc finger protein 280C	1.51889893	-1.033139342	3.388175	5.156874	3.085611	4.04543465	4.61838139	4.00128413	609	1236	725
91300	NM_138774	R3HDM4	R3H domain containing 4	1.049183041	-1.033290484	40.881599	42.934551	37.174591	6.18995938	6.25830165	6.14336932	2827	3963	3365
85476	NM_001308164,NM_001308166	GFM1	G elongation factor mitochondria	1.380412123	-1.033481575	24.407696	33.142327	22.085794	6.3610997	6.82136727	6.31417286	3188	5880	3794
11083	NM_001193369,NM_001193370	DIDO1	death inducer-obliterator 1	1.174970821	-1.033634397	29.599791	32.861021	36.583408	7.22372265	7.45491345	7.17632034	5829	9151	6936
8079	NM_005439,NR_026581	MLF2	myeloid leukemia factor 2	-1.041594264	-1.033710432	110.520617	103.604801	98.268153	7.6055441	7.54705793	7.55796097	7607	9758	9051
137964	NM_178819	GPAT4	glycerol-3-phosphate acyltransfe	-1.427467719	-1.033793228	16.385145	11.490998	14.896272	6.66799555	6.16057299	6.62052589	3953	3700	4703
59344	NM_001165960,NM_021628	ALOXE3	arachidonate lipoxygenase 3	1.965122186	-1.033836112	1.335505	2.634805	1.213929	2.44147625	3.27976824	2.40240201	174	457	207
9689	NM_001207067,NM_001207068	BZW1	basic leucine zipper and W2 dom	1.357478807	-1.033950309	105.379517	147.48582	98.025416	8.30552945	8.74526108	8.25751696	12382	22458	14729
246721	NM_032959	POLR2J2	RNA polymerase II subunit J2	-1.541366254	-1.034002565	3.745667	2.430933	3.405725	3.04601354	2.5131555	3.00368412	285	247	339
152518	NM_001278623,NM_001278624	NFXL1	nuclear transcription factor, X-bo	-1.444793994	-1.034147272	11.16068	7.926224	10.304155	5.42547226	4.90942294	5.37817319	1648	1524	1960
140680	NM_080571,NM_153269	C20orf96	chromosome 20 open reading fra	1.230972119	-1.034154665	14.610986	18.034036	13.275296	4.57731129	4.86575665	4.53091599	898	1477	1068
871	NM_001207014,NM_001235	SERPINH1	serpin family H member 1	2.750914858	-1.03415507	72.448529	199.525462	65.835683	7.33669648	8.79093167	7.28854788	6307	23182	7501
4735	NM_001008491,NM_001008492	SEPT2	septin 2	1.179022051	-1.034374465	107.638768	126.216834	98.082918	8.45814498	8.69511436	8.40952701	13768	21689	16371
90987	NM_138367	ZNF251	zinc finger protein 251	1.139663955	-1.034396273	7.451872	8.506435	6.770416	4.5127793	4.69364353	4.46615621	857	1305	1019
103910	NM_001144944,NM_001144945	MYL12B	myosin light chain 12B	-1.246186434	-1.034442679	590.573034	474.416248	536.447876	9.17860095	8.86169215	9.12983275	22711	24350	27003
84693	NM_032601	MCEE	methylmalonyl-CoA epimerase	-1.408407752	-1.034549311	6.988845	4.9603	6.343493	2.79384765	2.38212036	2.75199454	233	221	277
10645	NM_001270485,NM_001270486	CAMKK2	calcium/calmodulin dependent pr	-1.11774312	-1.034581415	10.784407	9.287491	9.598343	5.68889706	5.53158861	5.64081394	1986	2374	2361
353088	NM_001001415,NM_001346912	ZNF429	zinc finger protein 429	1.023356799	-1.034603201	1.445611	1.481999	1.164203	2.5831188	2.61093762	2.54232458	196	268	233
101927415	NR_110049	LOC101927415	uncharacterized LOC101927415	1.270380483	-1.034631669	0.594279	0.761278	0.543637	1.23264156	1.44132992	1.20457043	53	90	63
202	NM_001624	CRYBG1	crystallin beta-gamma domain co	-1.496050444	-1.034677884	13.94997	9.333994	12.668338	6.69271726	6.11844132	6.64401774	4022	3592	4781
10248	NM_005837	POP7	POP7 homolog, ribonuclease P/M	-1.322111378	-1.034757604	34.507248	26.137712	31.351694	5.01477763	4.62619813	4.96703057	1230	1243	1462

22828	NM_001286188,NM_001286189	SCAF8	SR-related CTD associated facto	1.107860615	-1.034759651	10.716536	11.888278	9.733421	5.7853302	5.93056448	5.73694088	2126	3147	2527
153129	NM_001258286,NM_001258287	SLC38A9	solute carrier family 38 member 9	1.178707542	-1.034787071	10.032796	11.684058	9.21628	4.6997269	4.92851423	4.6523174	981	1545	1166
10224	NM_005815	ZNF443	zinc finger protein 443	-1.181115792	-1.034825549	2.388925	2.023574	2.173857	2.85098947	2.64651142	2.80852903	244	276	290
1069	NM_004344	CETN2	centrin 2	1.086815304	-1.034904112	31.86001	34.672119	28.938454	5.10935964	5.22613324	5.06131639	1316	1911	1564
90417	NM_001142761,NM_001142762	KNSTRN	kinetochore localized astrin/SPA(	1.000031412	-1.034927301	73.901219	74.395988	67.746604	7.02192628	7.02197125	6.97278342	5063	6765	6017
81559	NM_145214	TRIM11	tripartite motif containing 11	1.03229198	-1.035056674	25.03615	25.878311	22.736446	6.05774429	6.10291957	6.0087914	2576	3553	3061
51192	NM_001040138,NM_016326,NM	CKLF	chemokine like factor	-1.196771132	-1.035072556	98.608884	83.089271	89.051731	6.29758411	6.0420314	6.24849348	3049	3404	3623
85026	NR_122035,NR_122036	ARRDC1-AS1	ARRDC1 antisense RNA 1	1.624918795	-1.035234991	14.324484	22.161655	12.288686	4.36724694	5.04055157	4.3197426	771	1674	916
145508	NM_152446	CEP128	centrosomal protein 128	1.114695134	-1.035398484	3.868253	4.319932	3.514	4.15469105	4.30300447	4.10736121	660	983	784
26025	NM_003735,NM_032094	PCDHGA12	protocadherin gamma subfamily	-1.772294266	-1.035477511	0.149686	0.089295	0.139179	0.49317359	0.29720487	0.47868902	16	12	19
388533	NM_001244847,NM_207392	KRTDAP	keratinocyte differentiation assoc	1.261235873	-1.035477511	0.821037	1.064703	0.713851	0.49317359	0.59904473	0.47868902	16	27	19
54916	NM_017799	TMEM260	transmembrane protein 260	1.056948988	-1.035488185	5.521105	5.842295	5.01205	4.58038655	4.65704834	4.53220782	900	1271	1069
5827	NM_018663	PXMP2	peroxisomal membrane protein 2	1.376890077	-1.035600797	11.922615	16.448486	10.82135	3.60061161	4.02918937	3.55435929	437	804	519
100289098	NR_134570,NR_134571,NR_13(	GS1-124K5.4	uncharacterized LOC100289098	-2.028989776	-1.035605781	1.216724	0.689788	1.277073	0.86002952	0.48576948	0.83750224	32	21	38
1154	NM_013324,NM_145071	CISH	cytokine inducible SH2 containin	-1.051254828	-1.035648745	0.549681	0.560897	0.526119	1.15225688	1.11294744	1.12461302	48	61	57
23466	NM_001303494,NM_014292	CBX6	chromobox 6	1.040901382	-1.035706761	17.106334	17.76354	15.437761	6.68844815	6.7457333	6.63833051	4010	5577	4762
116987	NM_001037131,NM_001244888	AGAP1	ArfGAP with GTPase domain, an	1.075483397	-1.035709402	5.820027	6.320354	5.222191	5.89251855	5.99580294	5.84276377	2293	3295	2723
220929	NM_001143766,NM_001143767	ZNF438	zinc finger protein 438	1.111799425	-1.035715045	2.176918	2.094563	1.683154	2.65489157	2.78463118	2.61239943	208	309	247
64376	NM_001271840,NR_073475,NR	IKZF5	IKAROS family zinc finger 5	-1.004505671	-1.035728334	3.53192	3.552014	3.220046	4.07843661	4.07233457	4.03083014	624	830	741
23076	NM_015056	RRP1B	ribosomal RNA processing 1B	-1.408559066	-1.03595793	14.991585	10.656885	13.600029	6.23407496	5.74764293	6.18379658	2916	2766	3462
84932	NM_001163380,NM_032846,NR	RAB2B	RAB2B, member RAS oncogene	-1.010073455	-1.035964463	14.989446	14.844229	13.5906	5.42290482	5.40878241	5.37313581	1645	2176	1953
100630918	NR_038942	PARTICL	promoter of MAT2A antisense ra	1.183388338	-1.035982998	3.731931	4.42123	3.379134	2.62541894	2.83174937	2.58278312	203	321	241
3914	NM_000228,NM_001017402,NM	LAMB3	laminin subunit beta 3	1.172061924	-1.03600487	280.615897	329.282722	254.572959	10.11913776	10.34799663	10.06815355	43624	68316	51790
8314	NM_004656	BAP1	BRCA1 associated protein 1	1.073171871	-1.036005592	15.552302	16.71419	14.111901	5.8344561	5.93461705	5.78433175	2201	3156	2613
5422	NM_001330360,NM_016937	POLA1	DNA polymerase alpha 1, catalyt	1.178280031	-1.036009247	3.727318	4.318954	3.322212	4.38318339	4.6093958	4.33462681	780	1228	926
55094	NM_018025,NR_135270	GPATCH1	G-patch domain containing 1	-1.221314827	-1.036046208	9.336979	7.692861	8.418647	4.99532414	4.71683753	4.94586061	1213	1327	1440
56912	NM_001168618,NM_020153	IFT46	intraflagellar transport 46	-1.531211736	-1.036192513	10.692985	6.811938	9.489735	4.24660587	3.67164303	4.19805401	706	616	838
57594	NM_020834	HOMEZ	homeobox and leucine zipper en	1.165520114	-1.036208496	3.959285	4.622067	3.593054	3.94879876	4.15647998	3.90085366	567	883	673
25771	NM_001284303,NM_001284304	TBC1D22A	TBC1 domain family member 22/	1.368669637	-1.036216842	3.020415	4.123014	2.752647	3.62166181	4.04260277	3.57456234	444	812	527
9730	NM_001171904,NM_001349168	DCAF1	DDB1 and CUL4 associated facto	1.080214173	-1.036260892	8.643926	9.36843	7.271207	5.51417891	5.62315665	5.46393259	1755	2533	2083
54627	NM_019090	MAP10	microtubule associated protein 1(	1.714399525	-1.036311186	0.870705	1.496462	0.78951	2.49460548	3.16180073	2.45238731	182	417	216
9531	NM_004281	BAG3	BCL2 associated athanogene 3	1.069813461	-1.03635033	27.905266	29.887087	25.304777	6.1460097	6.24204253	6.09523617	2741	3918	3253
5763	NM_001330333,NM_002824	PTMS	parathymosin	-1.789263884	-1.036387307	158.48751	88.808782	143.873434	7.55661017	6.72326319	7.50532494	7352	5490	8725
124989	NM_001195192,NM_152347	EFCAB13	EF-hand calcium binding domain	-1.162390862	-1.036396457	1.713411	1.504935	1.538705	2.83562844	2.65089709	2.79136857	241	277	286
85395	NM_001316983,NM_001316984	FAM207A	family with sequence similarity 2(	1.0891422	-1.036401885	18.572785	20.358288	16.772506	4.12971807	4.2461677	4.08112291	648	943	769
64792	NM_001130820,NM_001130821	IFT22	intraflagellar transport 22	1.163324329	-1.036572008	4.151899	4.849212	3.774479	3.43720745	3.63669106	3.39023607	386	600	458
5830	NM_000319,NM_001131023,NM	PEX5	peroxisomal biogenesis factor 5	-1.039967318	-1.036711756	8.180177	8.343009	7.684678	4.80338004	4.74889974	4.75325534	1057	1358	1254
347240	NM_194313	KIF24	kinesin family member 24	1.432126276	-1.036717367	1.830537	2.627862	1.659538	3.60967076	4.09182073	3.56196863	440	842	522
5116	NM_001315529,NM_006031	PCNT	pericentrin	1.128239744	-1.036757284	7.801809	8.804189	7.069896	6.34174803	6.51380399	6.29032166	3145	4741	3731
10011	NM_001035235,NM_001253764	SRA1	steroid receptor RNA activator 1	2.290480827	-1.036774266	18.047057	41.470786	16.20785	5.04403172	6.21490035	4.99353253	1256	3844	1490
84284	NM_001329452,NM_001329453	NTPCR	nucleoside-triphosphatase, canc	1.104576366	-1.036860361	23.274615	25.517859	20.855341	4.93293448	5.07196145	4.882447	1160	1712	1376
2241	NM_001308028,NM_001308031	FER	FER tyrosine kinase	1.255436366	-1.036896354	3.76444	4.386859	3.184798	5.33641922	5.6573446	5.28546063	1547	2595	1835
692073	NR_003035	SNORA16A	small nucleolar RNA, H/ACA box	-1.248212407	-1.036904487	8.248128	6.642015	7.502614	1.06712766	0.90836632	1.03996283	43	46	51
3934	NM_005564	LCN2	lipocalin 2	-1.536079304	-1.037052756	1464.333008	954.333313	1326.907104	10.23569411	9.61708096	10.18324903	47298	41141	56095
23531	NM_012329	MMD	monocyte to macrophage differer	1.294583815	-1.037109425	14.466832	18.749805	13.104082	5.29863957	5.6627837	5.24742715	1506	2605	1786
1593	NM_000784	CYP27A1	cytochrome P450 family 27 subfa	-1.465519857	-1.037165117	2.567407	1.756386	2.333674	2.75629978	2.50073045	2.71151569	226	206	288
55020	NM_017931	TTC38	tetratricopeptide repeat domain 3	1.071854576	-1.037207525	4.79846	5.149803	4.346297	3.72253824	3.81532231	3.67388275	479	686	568
1946	NM_001962	EFNA5	ephrin A5	1.116474084	-1.037396544	15.45289	17.273024	13.997925	6.34491604	6.50201808	6.29261026	3152	4702	3737
1611	NM_001291963,NM_004394	DAP	death associated protein	-1.084445329	-1.037425943	23.081832	21.309967	20.895756	5.74341713	5.62872593	5.69141343	2064	2543	2447
6122	NM_000967,NM_001033853	RPL3	ribosomal protein L3	1.145633411	-1.037476036	1131.371429	1297.638584	1024.390796	10.52082059	10.71684157	10.46777927	57642	88233	68335
23334	NM_015284	SZT2	seizure threshold 2 homolog (mo	1.152963181	-1.037492865	5.981851	6.905684	5.418464	6.36511741	6.56814636	6.31267016	3197	4925	3790
90634	NM_001079691,NM_001286459	N4BP2L1	NEDD4 binding protein 2 like 1	-1.534306562	-1.037717271	0.925635	0.598125	0.863417	1.90722898	1.48128072	1.86820921	108	94	128
642423	NR_049748,NR_049748_dup1	LOC642423	golgin A2 pseudogene	1.237993601	-1.037730805	6.887213	8.575644	6.247894	2.3579234	2.61093762	2.3150407	162	268	192
54677	NM_001143935,NM_001243745	CROT	carnitine O-octanoyltransferase	-1.35670168	-1.037748334	4.854896	3.43382	4.359404	3.66576097	3.26553914	3.61657686	459	452	544
493856	NM_001008388	CISD2	CDGSH iron sulfur domain 2	1.078932657	-1.037769517	10.716715	11.579099	9.706285	5.96549005	6.07340943	5.91287325	2414	3480	2861
138199	NM_001320497,NM_152420,NR	CARNMT1	carnosine N-methyltransferase 1	-6.176382885	-1.037803779	7.841075	1.286099	7.283077	5.1114871	2.68551066	5.05952566	1318	285	1562
150946	NM_001168241,NM_001191033	GAREM2	GRB2 associated regulator of MA	-1.100641798	-1.037919887	0.873944	0.797172	0.959489	2.43469539	2.32288731	2.39105499	173	210	205
10168	NM_001024855,NM_001323293	ZNF197	zinc finger protein 197	1.050102854	-1.038250215	2.643815	3.319529	2.624628	4.13391036	4.20052559	4.08288706	650	912	770
4860	NM_000270	PNP	purine nucleoside phosphorylase	1.133632163	-1.038389015	42.702881	48.457779	38.646709	6.66763414	6.84691748	6.61383023	3952	5986	4681
120071	NM_001300721,NM_001300722	LARGE2	LARGE xylosyl- and glucuronyltr	-2.432429726	-1.038416766	7.617462	3.110726	6.840064	4.29607932	3.11495144	4.24450423	732	402	867
396	NM_001185077,NM_001185078	ARHGDIA	Rho GDP dissociation inhibitor al	-1.039286596	-1.038509712	173.81197	168.499591	158.812488	8.36458453	8.30918737	8.31027789	12901	16586	15279
7016	NM_001318230,NM_006285	TESK1	testis-specific kinase 1	1.104462817	-1.038520219	8.450229	9.273224	7.582235	4.42312766	4.56011536	4.37117906	803	1185	951
2794	NM_005275	GNL1	G protein nucleolar 1 (putative)	1.153122758	-1.038609208	5.278538	6.092641	4.776073	5.38031	5.5812619	5.32698995	1596	2459	1890
10172	NM_005773	ZNF256	zinc finger protein 256	-1.05436481	-1.038716326	9.96264	9.46166	9.012047	4.48842972	4.41553601	4.43610715	842	1067	997
205717	NM_001009899,NR_111981	USF3	upstream transcription factor fam	1.361096759	-1.038818429	1.451344	1.978077	1.313185	4.34933082	4.77525187	4.29712434	761	1384	901
63916	NM_001318253,NM_133171,NM	ELMO2	engulfment and cell motility 2	1.004632774	-1.038821399	9.941813	9.607033	8.750448	5.31350078	5.32000218	5.25995683	1522	2043	1802
123283	NM_152334	TARSL2	threonyl-tRNA synthetase like 2	1.456149117	-1.038961902	1.465339	2.13974	1.325907	2.51403512	2.97505117	2.46867149	185	360	219
316	NM_001159	AOX1	aldehyde oxidase 1	5.382212206	-1.038990568	0.254758	1.402153	0.234853	1.16869613	2.95035633	1.13825079	49	353	58
26220	NR_002733,NR_045121,NR_11(	DGCR5	DiGeorge syndrome critical regio	-1.453447983	-1.038990568	0.379469	0.261276	0.346053	1.16869613	0.89363826	1.13825079	49	45	58
114625	NM_001017922,NM_018538	ERMAP	erythroblast membrane associate	1.228391476	-1.039187032	3.584514	4.545165	3.280114	3.70855202	3.98471399	3.65740237	474	778	561
79966	NM_001037582,NM_024906	SCD5	stearoyl-CoA desaturase 5	1.272304279	-1.039204366	7.244896	9.268759	6.48768	4.50146728	4.83525167	4.44847569	850	1445	1006
10352	NM_015836,NM_201263	WARS2	tryptophanyl tRNA synthetase 2,	1.037977947	-1.039437784	4.104462	4.267038	3.7058	3.61567874	3.66515371	3.56449618	442	613	523
55884	NM_001278557,NM_001278558	WSB2	WD repeat and SOCS box contai	-1.511644581	-1.039474908	28.131088	18.948744	25.516291	5.62121441	5.73427243	6.2660695	3100	2740	3668
80028	NM_001321213,NM_024963	FBXL18	F-box and leucine rich repeat pro	-1.386870199	-1.039584914	5.905434	3.797911	4.676329	5.21602693	4.75909222	5.1615506	1420	1368	1680
4296	NM_002419	MAP3K11	mitogen-activated protein kinase	1.22921121	-1.039634077	18.995167	23.377834	17.17308	6.06818765	6.36191648	6.01296133	2595	4262	3070
123879	NM_173475	DCUN1D3	defective in cullin neddylation 1 d	1.060501086	-1.039642571	3.513795	3.734228	3.176682	4.46032739	4.54134004	4.40682806	825	1169	976
157657	NM_177965	C8orf37	chromosome 8 open reading fran	-1.24842459	-1.039700651	3.094028	2.478274	2.793856	3.48064928	3.19226918	3.42958826	399	427	472
6293	NM_001289174,NM_001289175	VPS52	VPS52, GARP complex subunit	-1.271788258	-1.039712122	15.369757	11.889129	13.847514	5.51819362	5.17984253	5.46325552	1760	1849	2082
55657	NM_001136036,NM_001193328	ZNF692	zinc finger protein 692	1.200519009	-1.039855814	42.473196	50.656775	37.149459	6.43558612	6.69646536	6.37986487	3359	5388	3973
84269	NM_001304353,NM_001304354	CHCHD5	coiled-coil-helix-coiled-coil-helix d	-1.008333939	-1.039964251	24.551898	24.43978	22.258101	4.12551355	4.11422685	4.07226969	646	856	764
55723	NM_018154	ASF1B	anti-silencing function 1B histone	-1.003973004	-1.040004196	44.346878	44.230255	40.075886	6.24332066	6.23767564	6.18749076	2935	3906	3471
28973	NM_014046	MRPS18B	mitochondrial ribosomal protein 9	-1.012726329	-1.040026646	39.783783	39.319668	35.945885	5.91705205	5.89911068	5.8613842	2333	3078	2759
57506	NM_001206491,NM_020746,NR	MAVS	mitochondrial antiviral signaling p	1.469154622	-1.04004365	13.33038	19.573134	12.01535	7.2579772	7.8099586	7.20170942	5970	11719	7060
160335	NM_001320321,NM_001320322	TMTC2	transmembrane and tetratricopep	-1.946179868	-1.040083107	3.649074	2.028109	3.759497	4.11494833	3.23080555	4.0615736	641	440	758
92960	NM_001270539,NM_001300881	PEX11G	peroxisomal biogenesis factor 11	1.234460544	-1.040096334	3.330655	4.113237	2.972753	2.16656821	2.40826098	2.12264217	137	226	162
105369635	NR_135032	MIR200CHG	MIR200C and MIR141 host gene	-1.245147768	-1.040273228	14.273544	11.500214	12.913071	2.55837852	2.30073045	2.51121823	192	206	227
26083	NM_015594	TBC1D29	TBC1 domain family member 29	1.492081616	-1.040287158	0.429199	0.629637	0.362755	0.35634914	0.50527715	0.34394329	11	22	13
441518	NM_001078173	RTL8B	retrotransposon Gag like 8B	1.020394024	-1.040287158	0.128683	0.137084	0.125138	0.35634914	0.36283659	0.34394329	11	15	13
9868	NM_014820	TOMM70	translocase of outer mitochondria	1.431526775	-1.040337327	24.143581	34.608025	21.81123	6.70051131	7.21388986	6.64401774	4044	7735	4781
55906	NM_001178032,NM_001178033	ZC4H2	zinc finger C4H2-type containing	1.363781661	-1.040476334	6.495453	8.845024	5.744064	4.2192465	4.64610598	4.16512515	692	1261	818
101928222	NR_110235	LOC101928222	uncharacterized LOC101928222	1.460608604	-1.040499691	0.497359	0.72753	0.451909	0.64188297	0.86372326	0.62147005	22	43	26
101927126	NR_135079	GTF2IP7	general transcription factor III pse	-5.743294332	-1.040499691	0.738085	0.107347	0.673804	0.64188297	0.13134883	0.62147005	22	5	26
6861	NM_001297774,NM_003180	SYT5	synaptotagmin 5	-1.108939755	-1.0406068	0.622152	0.565097	0.56403	1.08456011	1.00745609	1.05423063	44	53	52
51569	NM_001286703,NM_001286704	UFM1	ubiquitin fold modifier 1	-1.278159503	-1.040668716	17.474138	13.445125	15.488589	5.59090027	5.24511195	5.53460273	1853	1937	2190
201164	NM_178836	PLD6	phospholipase D family member	-1.101314072	-1.040699592	3.229289	2.943214	2.919097	3.18986937	3.06652959	3.13871764	319	387	377
23032	NM_015017,NM_201624,NM_20	USP33	ubiquitin specific peptidase 33	1.055574111	-1.04071273	16.815234	17.595839	15.675016	6.13350189	6.2104504	6.076764	2717	3832	3211
147694	NM_001172773,NM_152909	ZNF548	zinc finger protein 548	-1.034873785	-1.040799141	26.858927	25.986248	24.259903	6.90690282	6.85786605	6.84970016	4672	6032	5521
123803	NM_001270766,NM_001270767	NTAN1	N-terminal asparagine amidase	1.192150279	-1.040817347	15.692356	18.810752	14.254548	4.29607932	4.5377923	4.24134834	732	1166	865
4651	NM_012334	MYO10	myosin X	1.100133091	-1.040893538	4.032575	4.441131	3.639922	5.51979639	5.65461734	5.46325552	1762	2590	2082

9874	NM_001136554,NM_001136555	TLK1	tousled like kinase 1	1.060765989	-1.04095293	15.240027	16.245404	13.754798	6.42664313	6.51079113	6.369423	3338	4731	3944
56242	NM_001331133,NM_001331134	ZNF253	zinc finger protein 253	-1.497241005	-1.041083546	2.305774	1.529433	2.058792	2.63136183	2.16012918	2.58278312	204	182	241
10807	NM_001039707,NM_001039708	SDCCAG3	serologically defined colon cance	1.069606027	-1.04124741	41.566148	44.50626	38.570056	6.53364194	6.62971046	6.47596937	3598	5142	4250
55666	NM_017921,NR_130139,NR_13(	NPLOC4	NPL4 homolog, ubiquitin recognit	-1.272275884	-1.041282638	78.450241	48.433712	69.06102	8.03847681	7.69255446	7.98034095	10283	10799	12146
126295	NM_001319083,NM_173480	ZNF57	zinc finger protein 57	1.116891947	-1.0413152	5.104613	5.71946	4.619414	3.45742019	3.60313623	3.40441396	392	585	463
8996	NM_001185057,NM_001276307	NOL3	nucleolar protein 3	-1.311064135	-1.041323645	31.878773	24.409675	24.861761	5.57557074	5.19418688	5.51839824	1833	1868	2165
57470	NM_020710	LRRC47	leucine rich repeat containing 47	1.277645267	-1.04137302	15.544531	19.888113	14.025746	5.36076893	5.70662732	5.3037297	1574	2687	1859
9903	NM_001324309,NM_014851	KLHL21	kelch like family member 21	-1.154820303	-1.041382648	10.244868	9.08708	9.598123	5.63445641	5.43126519	5.57715406	1911	2211	2257
10188	NM_001010938,NM_001308046	TNK2	tyrosine kinase non receptor 2	-1.251093059	-1.041436215	59.467537	47.759879	53.609026	8.01181631	7.6900262	7.95347276	10094	10780	11921
84444	NM_032482	DOT1L	DOT1 like histone lysine methyltr	-1.056286671	-1.041452963	9.13535	8.657968	8.243393	6.06928257	5.99148667	6.01157269	2597	3285	3067
8526	NM_003647	DGKE	diacylglycerol kinase epsilon	-1.132865187	-1.041512821	6.736454	5.953067	6.079447	5.69954294	5.52324054	5.64201105	2001	2360	2363
55696	NM_018047	RBM22	RNA binding motif protein 22	-1.009334368	-1.041553742	36.125908	35.833847	32.596519	6.38416018	6.37091677	6.3261384	3240	4289	3826
54955	NM_001303030,NM_001303031	C1orf109	chromosome 1 open reading fran	1.15605288	-1.041592507	9.26467	10.435075	8.176012	4.59109862	4.79222547	4.53478801	907	1401	1071
585	NM_001252678,NM_001320665	BBS4	Bardet-Biedl syndrome 4	-1.431461744	-1.041656936	7.07049	4.955623	6.391829	4.18531139	3.70154644	4.12972136	675	630	797
3151	NM_005517	HMGN2	high mobility group nucleosomal	1.062442382	-1.041839876	139.973679	148.875244	126.245171	8.07327464	8.16034525	8.01436453	10535	14955	12437
10885	NM_006784	WDR3	WD repeat domain 3	1.344165099	-1.042143333	12.465918	16.775658	11.243649	5.58708313	6.00610962	5.52879006	1848	3319	2181
9909	NM_014856	DENND4B	DENN domain containing 4B	1.097631107	-1.042212318	13.27435	14.590837	11.969408	6.21984785	6.35252315	6.16101314	2887	4234	3407
151636	NM_138287	DTX3L	deltex E3 ubiquitin ligase 3L	1.49509475	-1.042309215	11.613254	17.387537	10.471905	6.04944579	6.62247115	5.99058114	2561	5116	3022
23014	NM_015002,NM_033624	FBXO21	F-box protein 21	-1.17780972	-1.04235453	8.171778	6.918988	7.360861	5.11042377	4.88170383	5.0523404	1317	1494	1554
64772	NM_001042573	ENGASE	endo-beta-N-acetylglucosaminida	-1.151266257	-1.042396015	14.138053	12.291812	12.746066	5.97428428	5.77452033	5.91535059	2429	2819	2866
100874260	NR_144562	UBE2CP5	ubiquitin conjugating enzyme E2	-1.092774174	-1.042764479	15.482802	14.172002	13.949359	4.31281697	4.19152238	4.25549579	741	906	874
55196	NM_018169	KIAA1551	KIAA1551	-1.564337276	-1.042790022	19.130636	12.244411	17.240065	6.87156413	6.23292987	6.81164103	4558	3893	5376
51606	NM_015941,NM_213619,NM_21	ATP6V1H	ATPase H+ transporting V1 subu	-1.316414215	-1.042880611	17.045017	13.002574	15.479091	5.20112046	4.81682937	5.14222236	1405	1426	1657
51115	NM_001286707,NM_001286719	RMDN1	regulator of microtubule dynamic	-1.102354732	-1.043041809	15.987622	14.865729	14.336796	5.56939302	5.43190244	5.50989942	1825	2212	2152
80142	NM_001256335,NM_025072,NM	PTGES2	prostaglandin E synthase 2	1.338927868	-1.043085255	39.675345	61.156979	36.032088	6.47371098	6.89068553	6.41355113	3450	6172	4068
11321	NM_001145047,NM_001145048	GPN1	GPN-loop GTPase 1	1.174133285	-1.043357707	22.946756	26.43183	20.258101	5.36344926	5.58985296	5.3037297	1577	2474	1859
126147	NM_145807	NTN5	netrin 5	1.175440748	-1.043400114	0.380289	0.448792	0.3414	0.77668602	0.8787583	0.75138414	28	44	33
60487	NM_001031712,NM_001350580	TRMT11	tRNA methyltransferase 11 homc	-1.112013215	-1.043456399	13.189302	11.531772	11.94011	4.79678491	4.64939741	4.73766195	1052	1264	1240
4723	NM_001166102,NM_007103	NDUFV1	NADH:ubiquinone oxidoreductas	1.116478647	-1.043467599	72.049242	80.472663	64.838197	6.84942803	7.00708143	6.78858439	4488	6695	5290
55278	NM_018292	QRSL1	glutaminyl-tRNA synthase (glutar	-1.203095087	-1.043493631	4.941242	4.112298	4.448361	4.37965714	4.12687582	4.32123795	778	864	917
79071	NM_001130721,NM_024090	ELOVL6	ELOVL fatty acid elongase 6	1.345813975	-1.043718723	27.919825	37.69761	25.152731	6.46083622	6.88511209	6.39981707	3419	6148	4029
9794	NM_014757	MAML1	mastermind like transcriptional cc	1.331954348	-1.043791967	8.814913	11.757113	7.935683	5.64771074	6.05408526	5.58713259	1929	3433	2273
10052	NM_001080383,NM_005497	GJC1	gap junction protein gamma 1	-1.471712745	-1.043812861	14.894059	10.129542	13.406674	6.80542482	6.25398377	6.74412514	4352	3951	5128
148304	NM_152485	C1orf74	chromosome 1 open reading fran	1.036594742	-1.043854239	3.017999	3.133269	2.718963	3.93444966	3.98297572	3.87664976	561	777	661
197131	NM_174916	UBR1	ubiquitin protein ligase E3 compc	1.005435872	-1.043903163	4.925108	4.960213	4.435072	5.25407798	5.2616952	5.19374412	1459	1960	1719
5700	NM_001330212,NM_002802	PSMC1	proteasome 26S subunit, ATPase	1.227120061	-1.043934709	113.476897	139.402091	102.153503	7.46161609	7.75538098	7.39994313	6881	11282	8107
51512	NM_016426	GTSE1	G2 and S-phase expressed 1	1.184456598	-1.043986584	12.363091	14.658588	11.128057	5.26558691	5.50397588	5.20512776	1471	2328	1733
202243	NM_001297696,NM_001297697	CCDC125	coiled-coil domain containing 125	-1.035362003	-1.044083497	6.020367	5.754513	5.338796	4.43336854	4.38558611	4.37406362	809	1044	953
7756	NM_001032293,NM_001098507	ZNF207	zinc finger protein 207	1.112427866	-1.04421138	137.4821	153.437745	123.05359	8.24806879	8.40130223	8.18586419	11897	17683	14013
29079	NM_001270629,NM_014166	MED4	mediator complex subunit 4	1.083727462	-1.044349365	6.181784	6.70668	5.539543	3.85541331	3.96371513	3.79721001	529	766	623
7458	NM_022170,NM_031992	EIF4H	eukaryotic translation initiation fa	-1.402142694	-1.044592686	141.464184	100.770619	127.753402	8.43507865	7.9491162	8.37232348	13549	12911	15953
54914	NM_017794	FOCAD	focadhesin	-1.095481486	-1.044779837	5.759363	5.265992	5.182446	5.137819	5.01015048	5.07644857	1343	1638	1581
896	NM_001136017,NM_001136125	CCND3	cyclin D3	-1.173159783	-1.044789478	13.314372	11.253805	11.911082	4.78616959	4.56477126	4.72529065	1044	1189	1229
8905	NM_001272071,NM_003916	AP1S2	adaptor related protein complex 1	-1.671325564	-1.04480731	2.849262	1.704935	2.560076	2.90104285	2.28388661	2.84640965	254	203	299
1911	NM_004426	PHC1	polyhomeotic homolog 1	-1.296300433	-1.044897896	9.217568	7.116487	8.28901	5.56861895	5.20317354	5.50661727	1824	1880	2147
84108	NM_001011663,NM_032154	PCGF6	polycomb group ring finger 6	-1.568790554	-1.044907501	6.952065	4.438802	6.250056	4.00938005	3.40966853	3.95001076	593	505	698
26292	NM_012333,NR_037632	MYCBP	MYC binding protein	-1.208082888	-1.044915856	15.212408	12.61513	13.689073	5.28456677	5.01950785	5.2228368	1491	1649	1755
284323	NM_001010880,NM_001142577	ZNF780A	zinc finger protein 780A	1.053098498	-1.044974845	4.497581	4.72013	4.099823	4.19135823	4.26202234	4.1314271	678	954	798
83606	NM_001284251,NM_001284252	GUCD1	guanylyl cyclase domain containi	1.214835985	-1.045100312	45.982949	55.615827	40.842086	7.31931512	7.59848268	7.25607987	6231	10114	7333
27154	NM_015695	BRPF3	bromodomain and PHD finger co	1.323919062	-1.045119768	7.045387	9.342075	6.336858	5.40393602	5.80041275	5.34179996	1623	2871	1910
3298	NM_001135564,NM_001243094	HSF2	heat shock transcription factor 2	-1.19222487	-1.045126515	8.455675	7.04669	7.415212	4.480221	4.23890304	4.41944907	837	938	985
100874054	NR_051960	FALEC	focally amplified long non-coding	-1.032248592	-1.045133825	0.748694	0.739955	0.676439	0.5190475	0.50527715	0.49997203	17	22	20
11315	NM_001123377,NM_007262	PARK7	Parkinsonism associated deglyca	1.034094438	-1.045137227	211.555672	219.708054	189.85305	7.58291465	7.63103516	7.5195609	7488	10346	8812
10296	NM_001017405,NM_001297430	MAEA	macrophage erythroblast attache	1.078700296	-1.045204076	61.816981	66.394211	55.635569	7.06784253	7.176354	7.0045425	5228	7535	6152
136	NM_000676	ADORA2B	adenosine A2b receptor	1.477189791	-1.04531709	23.249781	34.39439	20.900301	5.44921723	6.00139486	5.38676798	1676	3308	1972
7423	NM_001243733,NM_003377	VEGFB	vascular endothelial growth facto	1.178122316	-1.045543724	30.22291	35.709545	27.103828	5.74341713	5.97584027	5.6803862	2064	3249	2428
25980	NM_001271874,NM_015511	AAR2	AAR2 splicing factor homolog	1.165647756	-1.04554506	15.869111	18.190547	13.686089	5.30608931	5.52204401	5.2434892	1514	2358	1781
55017	NM_017924	C14orf119	chromosome 14 open reading fra	1.141549181	-1.045572946	28.661348	32.757462	25.75885	6.37842952	6.56727656	6.31492362	3227	4922	3796
115939	NM_001001410	TSR3	TSR3, acp transferase ribosome	1.30656115	-1.04561769	25.621178	33.535156	23.037113	4.95679582	5.33165924	4.89455192	1180	2060	1388
6611	NM_001258423,NM_004595	SMS	spermine synthase	1.074839358	-1.045622377	62.457882	67.247668	56.403545	6.81818124	6.92141425	6.75440081	4391	6306	5165
84321	NM_032361	THOC3	THO complex 3	1.078977613	-1.045811441	48.720745	52.627522	43.774738	6.26594024	6.37423602	6.20217361	2982	4299	3507
8871	NM_001178088,NM_003898	SYNJ2	synaptojanin 2	2.002208834	-1.046016769	6.425953	12.882335	5.774307	5.56551847	6.55182299	5.50200967	1820	4869	2140
5566	NM_001304349,NM_002730,NM	PRKACA	protein kinase cAMP-activated ca	1.113302988	-1.046195365	23.110791	25.76276	20.512589	5.93518222	6.08763347	5.87111561	2363	3515	2778
22800	NM_001102669,NM_001177314	RRAS2	related RAS viral (r-ras) oncogen	-1.227529995	-1.046316549	31.587834	25.718465	28.252174	6.18390666	5.8926442	6.11950347	2815	3064	3309
222068	NM_001303058,NM_001303059	TMED4	transmembrane p24 trafficking pr	-1.854181001	-1.046326504	49.952775	27.866873	44.388935	6.8356598	5.95559749	6.77091004	4445	3203	5225
79036	NM_001171948,NM_001171949	KXD1	KxDL motif containing 1	-1.18551251	-1.046354706	45.557637	38.772793	41.020295	6.06105037	5.8195316	5.9966768	2582	2910	3035
11285	NM_007255	B4GALT7	beta-1,4-galactosyltransferase 7	1.34158316	-1.046357248	14.666493	19.708996	13.174341	4.68265777	5.09225907	4.61987668	969	1737	1139
159013	NM_001330455,NM_144970	CXorf38	chromosome X open reading frar	-1.02400143	-1.046422388	6.139034	5.973933	5.378924	4.66683165	4.63397275	4.60399302	958	1250	1126
3213	NM_001330322,NM_001330323	HOXB3	homeobox B3	-2.217018959	-1.046516397	107.084666	49.372312	94.943406	8.50330115	7.35949744	8.43789063	14207	8562	16697
56970	NM_001098833,NM_020218	ATXN7L3	ataxin 7 like 3	1.028470184	-1.046574273	33.680896	34.678015	30.239667	6.89367478	6.93383976	6.82856345	4629	6361	5440
90410	NM_001267774,NM_001267775	IFT20	intraflagellar transport 20	-1.072541217	-1.046584251	21.692063	20.791834	19.508768	4.45531083	4.35902755	4.39267399	822	1024	966
79155	NM_001161527,NM_001292016	TNIP2	TNFAIP3 interacting protein 2	1.103819205	-1.046886716	22.320776	24.521554	19.508464	5.40999864	5.54931631	5.34547883	1630	2404	1915
192683	NM_001178111,NM_001178112	SCAMP5	secretory carrier membrane prote	1.386814205	-1.046889964	2.142317	3.18062	1.92233	3.05045588	3.47295962	2.99246523	286	530	336
100310756	NR_147504	LOC100310756	uncharacterized LOC100310756	-1.973163915	-1.04693838	8.125072	4.119528	7.29828	3.64534899	2.77260719	3.58455875	452	306	531
23251	NM_015206	KIAA1024	KIAA1024	-1.475573835	-1.047019458	0.244092	0.16339	0.218187	1.38110603	1.06116576	1.34055586	63	57	74
91373	NM_207309	UAP1L1	UDP-N-acetylglucosamine pyropl	1.019970445	-1.047094537	3.428473	3.496934	3.071123	3.61267788	3.63890054	3.5518139	441	601	518
26015	NM_015540	RPAP1	RNA polymerase II associated pr	1.06434118	-1.047133685	10.719091	11.425166	9.618615	5.64036226	5.72857817	5.57527538	1919	2729	2254
80704	NM_025243	SLC19A3	solute carrier family 19 member 3	-2.185853538	-1.047164886	1.029077	0.47151	0.928366	2.26158951	1.45142181	2.20918158	149	91	175
5188	NM_004564	GATB	glutamyl-tRNA amidotransferase	1.393556459	-1.047167293	9.938366	13.859887	8.914574	4.49821892	4.9588981	4.4347263	848	1579	996
79641	NM_024589,NR_046480	ROGDI	rogdi homolog	1.142752627	-1.047252618	12.670323	14.539897	11.343502	4.480221	4.6646589	4.41665393	837	1278	983
7178	NM_001286272,NM_001286273	TPT1	tumor protein, translationally-con	-1.055431153	-1.047292463	205.955455	194.634935	184.837397	9.88453602	9.80678792	9.81794361	37071	46930	43536
23317	NM_001329126,NM_015268	DNAJC13	DnaJ heat shock protein family (H	1.214539591	-1.047367418	14.056454	17.092941	12.612463	6.70474492	6.98271594	6.6386304	4056	6582	4763
92691	NM_001142310,NM_001142311	TMEM169	transmembrane protein 169	1.105888677	-1.047480175	0.168983	0.189589	0.155744	0.66524311	0.72085408	0.64076093	23	34	27
339240	NR_001443	KRT17P5	keratin 17 pseudogene 5	-1.460238429	-1.047480175	0.182868	0.129394	0.16811	0.66524311	0.48576948	0.64076093	23	21	27
83475	NM_001145165,NM_031304	DOHH	deoxyhypusine hydroxylase	1.186565589	-1.047932207	9.569698	11.122718	8.312863	4.26200996	4.49696276	4.19805401	714	1132	838
10051	NM_001002800,NM_001288753	SMC4	structural maintenance of chromc	1.199140227	-1.047972039	124.754652	149.80015	111.878778	9.32787299	9.58950152	9.26038015	25191	40361	29565
134218	NM_001012339,NM_001348420	DNAJC21	DnaJ heat shock protein family (H	1.009151746	-1.047972379	3.898458	3.942394	3.481679	4.59566527	4.60826865	4.53091599	910	1227	1068
5939	NM_002898	RBMS2	RNA binding motif single strande	-2.066630918	-1.048119081	34.369366	16.648903	30.815746	8.15470361	7.11279792	8.08714386	11149	7208	13083
79596	NM_024546	RNF219	ring finger protein 219	1.436726909	-1.048212092	4.606189	6.631899	4.133016	4.07625981	4.57288311	4.01243492	623	1196	731
5886	NM_001270362,NM_001270363	RAD23A	RAD23 homolog A, nucleotide ex	-1.080811954	-1.048256768	88.97674	82.431849	79.672045	7.30474643	7.19336609	7.2371933	6168	7625	7237
149951	NM_001099339,NM_053041	COMMD7	COMM domain containing 7	-1.087727236	-1.048326654	10.428082	9.591703	9.34196	4.35113248	4.2359869	4.28644656	762	936	894
51575	NM_001276380,NM_016649	ESF1	ESF1 nucleolar pre-rRNA proces	-1.089405466	-1.048444589	18.804734	17.282366	16.861328	5.8999225	5.77853415	5.83283856	2305	2827	2704
51715	NM_001278666,NM_001278667	RAB23	RAB23, member RAS oncogene	-1.009680751	-1.048584364	2.15346	2.215055	1.933018	3.48064928	3.46799726	3.41845388	399	528	468
55032	NM_001348905,NM_001348906	SLC35A5	solute carrier family 35 member A	1.525063573	-1.048738268	5.265264	7.916349	4.827814	4.53988763	5.12730363	4.47424393	874	1781	1025
106479524	NR_144555	RN7SL832P	RNA, 7SL, cytoplasmic 832, pseu	1.983592876	-1.048864283	0.363327	0.719735	0.322281	0.79797761	1.30327576	0.76902392	29	77	34
399821	NR_033847	FLJ37035	uncharacterized LOC399821	1.057917735	-1.048864283	0.293088	0.314889	0.262104	0.79797761	0.83317479	0.76902392	29	41	34
9914	NM_001286527,NM_001291454	ATP2C2	ATPase secretory pathway Ca2+	-1.243830466	-1.048882323	10.899019	8.65982	9.705205	5.1981206	4.89285546	5.13118205	1402	1506	1644
11209	NR_027504	MST1P2	macrophage stimulating 1 pseud	-1.440849049	-1.048896126	5.861547	4.072884	5.254181	4.00480921	3.51686905	3.94031242	591	548	693
55794	NM_018380	DDX28	DEAD-box helicase 28	1.319842971	-1.049052982	6.135559	8.112413	5.494305	4.04543465	4.42452914	3.98061446	609	1074	714

55623	NM_001304550,NM_017736	THUMPD1	THUMP domain containing 1	1.065716724	-1.049111678	19.233263	20.556621	17.283373	6.28255717	6.37324105	6.21429619	3017	4296	3537
23367	NM_015315	LARP1	La ribonucleoprotein domain fam	1.057963205	-1.049128435	68.291267	72.329277	61.170341	8.77975413	8.86086422	8.71072362	17216	24336	20183
55466	NM_001130182,NM_001130183	DNAJA4	DnaJ heat shock protein family (H	-1.239067106	-1.049342156	39.399866	32.061168	35.060335	6.92273916	6.61631708	6.85383893	4724	5094	5537
9354	NM_001204077,NM_004788	UBE4A	ubiquitination factor E4A	-1.861417242	-1.049386766	14.187028	7.630187	12.701903	6.41592393	5.53396493	6.34720926	3313	2378	3883
81790	NM_001160223,NM_001160224	RNF170	ring finger protein 170	-1.285930197	-1.049427028	6.958455	5.343405	6.137629	4.72634668	4.37899217	4.65942844	1000	1039	1172
81622	NM_030930	UNC93B1	unc-93 homolog B1 (C. elegans)	-1.094608482	-1.049453405	57.673473	52.745544	51.642406	7.03711487	6.90773598	6.96801834	5117	6246	5997
25791	NM_001114090,NM_019850	NGEF	neuronal guanine nucleotide excl	1.1557488	-1.049469842	11.121584	12.890796	9.963053	4.97793871	5.18060106	4.91053445	1198	1850	1404
23054	NM_001242539,NM_001318240	NCOA6	nuclear receptor coactivator 6	1.069496965	-1.049537655	15.503833	11.644362	9.435818	6.16661807	6.26224839	6.09785585	2781	3974	3259
4846	NM_000603,NM_001160109,NM	NOS3	nitric oxide synthase 3	-4.412768537	-1.049572828	1.750457	0.39354	1.571105	3.0724647	1.42093184	3.0111152	291	88	341
81691	NM_001144924,NM_001199053	REXO5	RNA exonuclease 5	-1.271697706	-1.049621686	6.174535	4.726141	5.527175	4.13809052	3.81336732	4.07226969	652	685	764
152002	NM_001308069,NM_152531	XXYLT1	xyloside xylosyltransferase 1	1.334940311	-1.049660131	8.829387	11.813633	7.984452	4.61078387	5.01270852	4.5437825	920	1641	1078
22818	NM_001271734,NM_001271735	COPZ1	coatomer protein complex subuni	-1.124473882	-1.049664307	48.651805	43.265757	43.579542	6.52688319	6.35957387	6.45772977	3581	4255	4196
23598	NM_014323,NM_032050,NM_03	PATZ1	POZ/BTB and AT hook containin	-1.18580214	-1.049695182	10.352685	8.880489	9.12829	5.1523576	4.91399145	5.08439592	1357	1529	1590
130340	NM_001039569,NR_110905,NR_	AP1S3	adaptor related protein complex 1	-1.36170322	-1.049744418	13.578496	9.971846	12.132858	5.7502602	5.31448374	5.68155094	2074	2035	2430
728978	NR_038453	UNC5B-AS1	UNC5B antisense RNA 1	-3.316645489	-1.049777353	1.412814	0.423247	1.244621	0.91952222	0.3412894	0.88680889	35	14	41
55750	NM_018238	AGK	acylglycerol kinase	-1.438158029	-1.049780413	11.458758	7.979287	10.257294	5.07270439	4.56709359	5.00474315	1282	1191	1502
23240	NM_001131007,NM_015196	TMEM131L	transmembrane 131 like	1.43071759	-1.049804878	2.12582	3.041922	1.89886	3.509976	3.98818428	3.44613034	408	780	478
10062	NM_001130101,NM_001130102	NR1H3	nuclear receptor subfamily 1 grou	-1.589644739	-1.049974208	46.123012	29.208889	40.806735	6.40121682	5.74251508	6.33171327	3279	2756	3841
151056	NM_001170585,NM_153021,NR_	PLB1	phospholipase B1	-1.267276625	-1.050122355	0.558822	0.442724	0.50187	1.93632435	1.69172362	1.88448459	111	117	130
90853	NM_001281987,NM_001281988	SPOCD1	SPOC domain containing 1	1.976323238	-1.050126893	6.296374	12.496012	5.638858	4.65812548	5.61251543	4.59041505	952	2514	1115
9377	NM_004255	COX5A	cytochrome c oxidase subunit 5A	-1.033765175	-1.050147779	106.307701	102.93119	95.108162	6.33265804	6.28535216	6.26296048	3125	4039	3660
57092	NM_001320395,NM_001320397	PCNP	PEST proteolytic signal containin	1.400178428	-1.050157113	42.245578	59.486933	37.589888	6.62359308	7.1050275	6.55371946	3832	7169	4488
5688	NM_002792	PSMA7	proteasome subunit alpha 7	1.12816385	-1.050179727	256.356384	289.529419	229.394119	8.01451885	8.18786325	7.94416173	10113	15244	11844
8337	NM_003516,NM_003516_dup1	HIST2H2AA3	histone cluster 2 H2A family mem	1.489851042	-1.050242675	36.925484	55.088852	33.038975	4.33665583	4.88821942	4.26950586	754	1501	883
3840	NM_002268	KPNA4	karyopherin subunit alpha 4	1.268263647	-1.050287826	14.305407	18.162283	12.797748	6.97829416	7.31873322	6.90808305	4911	8322	5751
64105	NM_001267038,NM_001349367	CENPK	centromere protein K	-1.099830238	-1.050331567	45.926432	41.695038	40.998926	6.25779957	6.1223945	6.18790064	2965	3602	3472
10155	NM_005762	TRIM28	tripartite motif containing 28	1.022779138	-1.050351081	241.795914	247.576904	216.327957	9.44627553	9.47872423	9.37550773	27349	37374	32025
81894	NM_031212	SLC25A28	solute carrier family 25 member 2	-1.958881921	-1.050422453	33.160713	16.943972	29.675488	5.67888953	4.73554094	5.6093351	1972	1345	2309
64326	NM_001001740,NM_001286644	RFWD2	ring finger and WD repeat domai	-1.069697459	-1.050601775	17.620922	16.455433	15.728049	5.59850439	5.50336969	5.52879006	1863	2327	2181
11344	NM_007284	TWF2	twinfilin actin binding protein 2	-1.028031526	-1.05070208	20.56041	20.023989	18.40053	5.06833013	5.02964715	4.99914873	1278	1661	1496
23301	NM_001142614,NM_001142615	EHBP1	EH domain binding protein 1	-1.158807745	-1.050733406	17.695222	15.306046	15.840999	6.41333943	6.20337644	6.34279879	3307	3813	3871
1500	NM_001085458,NM_001085459	CTNND1	catenin delta 1	-1.097784294	-1.050767357	87.631097	80.100174	78.781518	8.95650718	8.82219574	8.88521089	19465	23691	22784
55173	NM_018141	MRPS10	mitochondrial ribosomal protein S	-1.0992423	-1.050802662	20.363918	18.543999	18.207365	5.44078168	5.30755587	5.37097154	1666	2025	1950
4947	NM_001301302,NM_002537	OAZ2	ornithine decarboxylase antizyme	2.978978701	-1.050929249	10.482875	31.263247	9.374829	4.37435155	5.90233309	4.30621424	775	3085	907
9849	NM_001278524,NM_001278525	ZNF518A	zinc finger protein 518A	-5.911974677	-1.050933346	10.241678	1.849651	9.223837	6.38195877	3.90066256	6.3111659	3235	731	3786
8882	NM_001317086,NM_003904	ZPR1	ZPR1 zinc finger	1.02725141	-1.051069328	18.396168	18.95031	16.49314	5.31350078	5.35132998	5.2434892	1522	2089	1781
83877	NM_001024380,NM_001024381	TM2D2	TM2 domain containing 2	1.233867075	-1.051135574	17.604817	21.788969	15.440676	5.85555262	6.1540222	5.78487375	2234	3683	2614
134510	NM_145049	UBLCP1	ubiquitin like domain containing C	1.118417932	-1.051211686	17.325603	19.400434	15.493361	5.37854443	5.53633734	5.30826105	1594	2382	1865
163786	NM_001304829,NM_194292	SASS6	SAS-6 centriolar assembly protei	-1.274413017	-1.051253076	11.796219	9.24891	10.610172	5.56396574	5.22245468	5.49341346	1818	1906	2127
400927	NR_002821	LOC400927	TPTE and PTEN homologous inc	-1.387433095	-1.051282245	2.789217	1.997257	2.484241	1.23264156	0.97983233	1.19154816	53	51	62
374291	NM_024407	NDUFS7	NADH:ubiquinone oxidoreductas	-1.119943719	-1.051297444	64.805725	57.944977	57.948624	5.66157057	5.50154961	5.59085682	1948	2324	2279
340481	NM_178566	ZDHHC21	zinc finger DHHC-type containing	1.1770771	-1.051448044	2.468693	2.909894	2.206348	4.52719419	4.75298538	4.45802288	866	1362	1013
7917	NM_001098534,NM_001199697	BAG6	BCL2 associated athanogene 6	-1.124060593	-1.051571261	36.826422	32.741054	32.725513	7.06015292	6.89277003	6.98816212	5200	6181	6082
23759	NM_001317996,NM_014337,NM	PPIL2	peptidylprolyl isomerase like 2	-1.108445955	-1.051577885	13.829833	12.699747	13.285404	5.64697758	5.50154961	5.57590188	1928	2324	2255
6834	NM_001280787,NM_003172	SURF1	SURF1, cytochrome c oxidase as	1.182691052	-1.051594097	35.774728	42.459171	32.064256	5.22293093	5.45904106	5.15233896	1427	2255	1669
23479	NM_001301140,NM_001301141	ISCU	iron-sulfur cluster assembly enzy	-1.711867865	-1.051719265	21.18576	12.162491	20.435241	5.68247162	4.92670685	5.61116998	1977	1543	2312
200894	NM_001174150,NM_001174151	ARL13B	ADP ribosylation factor like GTPa	-1.433987555	-1.051758758	4.845468	3.462322	4.402126	4.29607932	3.80748641	4.22706077	732	682	856
51499	NM_016399	TRIAP1	TP53 regulated inhibitor of apopt	1.052025885	-1.051765329	14.892262	15.676107	13.303158	4.18126603	4.250509	4.11255209	673	946	787
11062	NM_001270419,NM_181581,NR_	DUS4L	dihydrouridine synthase 4 like	-1.661855987	-1.052175218	5.883569	3.626058	5.36398	3.81942505	3.15255179	3.75135692	515	414	602
54454	NM_001242338,NM_017552,NR	ATAD2B	ATPase family, AAA domain cont	-1.319562975	-1.052186217	3.092709	2.347267	2.764631	4.66827758	4.28618731	4.59783705	959	971	1121
23142	NM_001040402,NM_001287755	DCUN1D4	defective in cullin neddylation 1 d	1.2316725	-1.052204227	13.795243	16.98916	12.221604	5.89869115	6.19476657	5.82653464	2303	3790	2692
10072	NM_001256670,NM_005700,NM	DPP3	dipeptidyl peptidase 3	1.30194345	-1.05229285	16.562549	21.512144	14.741932	5.65793614	6.03197907	5.58588904	1943	3380	2271
8556	NM_001319210,NM_001319211	CDC14A	cell division cycle 14A	-1.264743922	-1.052312478	0.949494	0.753467	0.927972	2.34351507	2.07783221	2.28470378	160	169	187
55011	NM_017916	PIH1D1	PIH1 domain containing 1	1.014513444	-1.052445709	46.063461	46.77813	41.116695	5.82994114	5.85036724	5.75752106	2194	2974	2564
5306	NM_006224	PITPNA	phosphatidylinositol transfer prote	1.140767755	-1.052475942	7.411523	8.467307	6.618275	4.77009871	4.95358253	4.69907543	1032	1573	1206
124976	NM_001124758	SPNS2	sphingolipid transporter 2	-2.775982094	-1.052524315	44.881256	16.182589	40.070667	7.24325756	5.78702662	7.16990263	5909	2844	6905
8372	NM_001200029,NM_001200030	HYAL3	hyaluronoglucosaminidase 3	-1.39839799	-1.052658556	4.331862	4.270355	3.979097	3.0724647	2.65526948	3.00740444	291	278	340
126299	NM_182498	ZNF428	zinc finger protein 428	-1.260294065	-1.052769146	7.798992	6.19423	6.963536	3.53555296	3.23373217	3.46789548	416	441	486
4351	NM_001289155,NM_001289156	MPI	mannose phosphate isomerase	1.3645823	-1.052930635	7.107094	9.66677	6.263318	4.44353723	4.87422123	4.37262206	815	1486	952
100216545	NR_024586	KMT2E-AS1	KMT2E antisense RNA 1 (head t	-1.373821431	-1.052969828	2.632316	1.918005	2.348896	3.35699061	2.95035633	3.28994455	363	353	424
7703	NM_007144	PCGF2	polycomb group ring finger 2	-1.005272849	-1.053016691	34.912762	34.771328	31.156883	6.48442128	6.47691888	6.41074453	3476	4620	4060
8195	NM_018848,NM_170784,NR_07	MKKS	McKusick-Kaufman syndrome	1.307417187	-1.053070006	17.700216	21.0115	13.68166	5.4617788	5.84080171	5.38890871	1691	2954	1975
9862	NM_001079518,NM_001267797	MED24	mediator complex subunit 24	-1.017484307	-1.053090368	23.162109	22.687818	20.625211	6.4124769	6.38776564	6.33874398	3305	4340	3860
57827	NM_021184	C6orf47	chromosome 6 open reading fran	-1.032451982	-1.053178172	6.106653	5.92083	5.443429	3.97474042	3.93163239	3.90484845	578	748	675
84645	NM_001207062,NM_032561	C22orf23	chromosome 22 open reading fra	3.449013912	-1.053182635	0.078827	0.274322	0.060327	0.20517559	0.61708849	0.19530369	6	28	7
132228	NM_001304385,NM_153215	LSMEM2	leucine rich single-pass membrar	-1.328298723	-1.053182635	0.094496	0.076372	0.084839	0.20517559	0.15624221	0.19530369	6	6	7
8344	NM_003523	HIST1H2BE	histone cluster 1 H2B family mem	2.346034781	-1.053182635	0.355486	0.814448	0.289121	0.20517559	0.44594451	0.19530369	6	19	7
101930094	NR_135518	LOC101930094	uncharacterized LOC101930094	-1.969526583	-1.053182635	0.310688	0.151703	0.277971	0.20517559	0.10601836	0.19530369	6	4	7
100507290	NM_001195605	ZNF865	zinc finger protein 865	1.115636393	-1.053286371	6.772272	7.565883	6.042318	5.07270439	5.22613324	5.00008264	1282	1911	1497
79188	NM_024334	TMEM43	transmembrane protein 43	1.335564269	-1.05337268	19.284004	25.787615	17.206602	5.99459805	6.40636677	5.9207858	2464	4397	2877
387032	NM_001304506,NM_019110	ZKSCAN4	zinc finger with KRAB and SCAN	-1.04818054	-1.053557125	1.134314	1.082228	1.010397	2.79384765	2.73592201	2.72964665	233	297	272
91614	NM_001077242,NM_139160	DEPDC7	DEP domain containing 7	-2.176613466	-1.053605347	3.286494	1.714554	3.329234	2.88620833	1.97664665	2.82126674	251	154	293
7159	NM_001031685,NM_005426	TP53BP2	tumor protein p53 binding protein	1.015661295	-1.05363253	12.753172	12.89842	11.400154	5.88258712	5.9046304	5.80852249	2277	3090	2658
2073	NM_000123	ERCC5	ERCC excision repair 5, endonuc	-1.362150805	-1.05365262	20.091526	14.766054	17.922342	6.33857304	5.89911068	6.26412715	3138	3078	3663
10542	NM_006402	LAMTOR5	late endosomal/lysosomal adapto	-1.378552125	-1.053663853	74.130226	53.826065	66.101913	5.95900671	5.50458181	5.8848325	2403	2329	2805
100616114	NR_039814	MIR4668	microRNA 4668	1.616113525	-1.053701334	4.240569	7.080981	3.887392	0.38477185	0.58077243	0.36729312	12	26	14
84909	NM_001193329,NM_001193331	C9orf3	chromosome 9 open reading fran	1.102706686	-1.053775466	5.719769	6.160156	5.147523	4.18732982	4.32100453	4.11600233	676	996	789
23677	NM_014521	SH3BP4	SH3 domain binding protein 4	1.432880861	-1.0538637	10.450734	14.994715	9.318462	5.74821069	6.25902004	5.67396328	2071	3965	2417
724033	NR_030386	MIR663A	microRNA 663a	3.312626129	-1.053876489	4.932569	16.659185	4.379415	0.54446555	1.33632702	0.52094563	18	80	21
199720	NM_152657	GGN	gametogenetin	-1.84076809	-1.053876489	0.215371	0.110372	0.193853	0.54446555	0.31941552	0.52094563	18	13	21
221468	NM_001162900,NM_001286401	TMEM217	transmembrane protein 217	-1.45463322	-1.053964496	0.302176	0.206302	0.287023	0.68823103	0.50527715	0.65979727	24	22	28
85014	NM_032928	TMEM141	transmembrane protein 141	-1.068893034	-1.054040877	49.50581	46.362587	44.141003	5.40480367	5.31102396	5.33070673	1624	2030	1895
440278	NR_002318	CATSPER2P1	cation channel sperm associated	1.122339954	-1.054078071	0.668547	0.754975	0.594401	1.04948198	1.1381576	1.01060517	42	63	49
55328	NM_001031709,NM_018363	RNLS	renalase, FAD dependent amine	-1.05640632	-1.054167485	1.098916	1.046812	0.979525	1.84721644	1.79043244	1.79260867	102	129	119
331	NM_001167,NM_001204401,NR_	XIAP	X-linked inhibitor of apoptosis	1.215437342	-1.054226554	5.977175	6.837025	5.131778	5.49719403	5.77301226	5.42273519	1734	2816	2023
23310	NM_015261	NCAPD3	non-SMC condensin II complex s	-1.684230688	-1.054339991	18.943922	11.260356	16.883156	6.70580139	5.96311165	6.63020989	4059	3220	4735
347902	NM_001143668,NM_181847	AMIGO2	adhesion molecule with Ig like do	1.383154293	-1.054392549	44.700395	62.894298	40.622885	7.37039922	7.83595062	7.29445996	6457	11933	7532
285464	NM_175918	CRIPAK	cysteine rich PAK1 inhibitor	-1.49210553	-1.054407431	9.79225	6.570249	8.729995	5.43908863	4.87796738	5.36445917	1664	1490	1941
8864	NM_022817	PER2	period circadian clock 2	1.616565623	-1.054466121	5.154678	8.344447	4.592785	5.03733324	5.71345739	4.96320452	1250	2700	1458
80119	NM_001286496,NM_001286497	PIF1	PIF1 5'-to-3' DNA helicase	-1.016071718	-1.055025502	14.811523	14.685896	13.27656	5.30050562	5.27808999	5.22523491	1508	1983	1758
55425	NM_001316951,NM_001316952	GPALPP1	GPALPP motifs containing 1	1.110021073	-1.055067873	11.314936	11.713938	9.637087	4.25817433	4.40128969	4.18497252	712	1056	830
10318	NM_001252385,NM_001252386	TNIP1	TNFAIP3 interacting protein 1	-1.12971238	-1.055153763	47.739612	42.158566	42.441047	7.064552	6.88999002	6.98769137	5216	6169	6080
79884	NM_001039580	MAP9	microtubule associated protein 9	-1.203367817	-1.055343925	2.392911	1.989662	2.130507	4.1772093	3.92621521	4.10389022	671	745	782
54778	NM_001270528,NM_001270529	RNF111	ring finger protein 111	-1.064091959	-1.055358906	5.843313	5.500091	5.208385	5.12418641	5.03720514	5.04873431	1330	1670	1550
80349	NM_001303247,NM_001303248	WDR61	WD repeat domain 61	1.165653826	-1.055381387	30.986322	36.290545	27.611233	5.35359695	5.569727	5.2777797	1566	2439	1825
221154	NM_152726	MICU2	mitochondrial calcium uptake 2	-1.251702402	-1.055402672	19.065155	15.249479	16.975582	5.20511061	4.89100283	5.12947602	1409	1504	1642
54543	NM_019059	TOMM7	translocase of outer mitochondria	-1.183087522	-1.055426641	80.213524	67.880074	71.41684	5.95071282	5.71240871	5.8741751	2389	2698	2784
4150	NM_001042539,NM_001276275	MAZ	MYC associated zinc finger prote	1.298380979	-1.055469062	49.698198	65.333409	46.029932	6.99970098	7.37382876	6.9224401	4985	8648	5809
35	NM_000017,NM_001302554	ACADS	acyl-CoA dehydrogenase, C-2 to	-1.799656722	-1.055768149	5.201471	2.894588	4.62993	3.44397655	2.69827959	3.37303661	388	288	452

51616	NM_015975	TAF9B	TATA-box binding protein associ	-1.007609195	-1.055776654	7.544212	7.496155	6.718383	4.37612225	4.36571317	4.30167645	776	1029	904
9683	NM_153029	N4BP1	NEDD4 binding protein 1	1.014927704	-1.055846848	6.851739	6.965103	6.099359	5.59774578	5.6186857	5.52100322	1862	2525	2169
23353	NM_001130965,NM_001171944	SUN1	Sad1 and UNC84 domain contair	-1.201718448	-1.055880881	73.730722	61.85141	65.077461	8.1303867	7.86632313	8.05222647	10962	12188	12769
9796	NM_001099335,NM_014759	PHYHIP	phytanoyl-CoA 2-hydroxylase inte	-1.110924271	-1.056056071	0.619024	0.556753	0.549647	1.59082596	1.49109792	1.53866543	79	95	92
27258	NM_014463	LSM3	LSM3 homolog, U6 small nuclear	1.072688375	-1.056078241	45.940166	49.356312	40.887169	5.00451141	5.10270203	4.92830565	1221	1750	1422
200030	NM_001101663,NM_001101663	NBPF11	NBPF member 11	1.269663788	-1.056260318	5.902496	7.967938	5.280438	4.96387793	5.29849962	4.88750351	1186	2012	1381
27297	NM_001040647,NM_001040648	CRCP	CGRP receptor component	-1.333785613	-1.056302325	10.737434	8.049019	9.767323	4.93533846	4.53542228	4.85896034	1162	1164	1353
6189	NM_001006,NM_001267699	RPS3A	ribosomal protein S3A	1.03208626	-1.056396123	851.821659	883.136036	763.455759	9.63344341	9.67895064	9.55439464	31143	42946	36259
79733	NM_001256371,NM_001256372	E2F8	E2F transcription factor 8	-1.277214313	-1.056402068	17.275316	13.470423	15.261528	5.97428428	5.62761379	5.89641527	2429	2541	2828
9590	NM_005100,NM_144497	AKAP12	A-kinase anchoring protein 12	-1.179780076	-1.056488591	3.814335	3.236108	3.390187	4.98026891	4.74992223	4.90356387	1200	1359	1397
114825	NM_001130864,NM_001267035	PWWP2A	PWWP domain containing 2A	1.124012709	-1.056547436	9.920695	10.65729	8.609066	5.16060006	5.32481356	5.08351504	1365	2050	1589
81847	NM_001242844,NM_001242845	RNF146	ring finger protein 146	-1.17946488	-1.056675705	8.4446	6.823857	7.235479	4.3072593	4.08211055	4.23183903	738	836	859
6461	NM_003028	SHB	SH2 domain containing adaptor p	1.616450653	-1.056700381	6.357037	10.292768	5.656276	5.25888453	5.93731246	5.18144687	1464	3162	1704
100130581	NR_027412,NR_027413	LINC00910	long intergenic non-protein codin	-1.532890791	-1.056839685	1.503645	1.027048	1.348543	2.42103729	1.94127715	2.35646843	171	149	199
10669	NM_001166239,NM_001166240	CGREF1	cell growth regulator with EF-han	1.003505437	-1.05692349	6.246806	6.424727	5.484701	3.62762016	3.63226192	3.55435929	446	598	519
984	NM_001291345,NM_001787,NM	CDK11B	cyclin dependent kinase 11B	-1.051947618	-1.057066965	32.471991	30.799798	28.298341	6.58277284	6.51048949	6.50356227	3724	4730	4333
375690	NR_033266	WASH5P	WAS protein family homolog 5 ps	1.241417722	-1.057077032	9.688934	12.051376	8.623781	3.55444243	3.84241755	3.48133381	422	700	491
128272	NM_153213	ARHGEF19	Rho guanine nucleotide exchang	1.068027078	-1.057158969	20.169874	21.565229	17.925114	6.05774429	6.15131615	5.97878582	2576	3676	2997
105370941	NR_135665	LOC105370941	uncharacterized LOC105370941	1.602472317	-1.057174484	0.47247	0.755112	0.417999	1.16869613	1.58576189	1.12461302	49	105	57
440590	NM_001004339,NM_001307931	ZYG11A	zyg-11 family member A, cell cyc	-1.421949198	-1.057174484	0.294894	0.20937	0.26661	1.16869613	0.90836632	1.12461302	49	46	57
283232	NM_001042463,NM_001276253	TMEM80	transmembrane protein 80	1.557835429	-1.0573654	9.158148	14.31014	8.163756	3.97005831	4.5763457	3.89484064	576	1199	670
6205	NM_001015	RPS11	ribosomal protein S11	-1.266376382	-1.057429326	990.46521	782.998962	880.221313	9.28533831	8.94524614	9.20490947	24458	25805	28448
10926	NM_001318060,NM_001318061	DBF4	DBF4 zinc finger	-1.64182607	-1.057449937	15.252242	9.271057	13.510779	5.86567124	5.16612031	5.78649854	2250	1831	2617
11112	NM_152740	HIBADH	3-hydroxyisobutyrate dehydroger	-1.844027866	-1.057584511	28.276175	15.351096	25.12377	5.80780809	4.94646449	5.7285132	2160	1565	2512
56126	NM_018930	PCDHB10	protocadherin beta 10	1.443548672	-1.057585543	0.341596	0.497167	0.301188	1.06712766	1.36863803	1.02535867	43	83	50
6150	NM_021134	MRPL23	mitochondrial ribosomal protein L	1.25977234	-1.05773886	43.955627	55.439014	39.037552	5.03397229	5.35805128	4.95552185	1247	2099	1450
11277	NM_007248,NM_016381,NM_03	TREX1	three prime repair exonuclease 1	-1.115605707	-1.058098734	12.336298	11.002312	11.401052	4.63464885	4.48350191	4.55653526	936	1121	1088
8106	NM_004643	PABPN1	poly(A) binding protein nuclear 1	1.216440184	-1.058180815	80.016579	97.440689	71.058769	7.9228512	8.20446127	7.84160989	9488	15421	11028
9205	NM_001039649,NM_001039650	ZMYM5	zinc finger MYM-type containing	-1.153691575	-1.058404573	8.997562	7.96114	8.397459	4.34572074	4.15029781	4.26795589	759	879	882
200035	NM_001012758	NUDT17	nudix hydrolase 17	-1.163840173	-1.058440928	3.393646	2.922956	3.012452	2.20692365	2.03820547	2.1430785	142	163	165
26036	NM_001031623,NM_001257273	ZNF451	zinc finger protein 451	-1.081453221	-1.058496321	8.514931	7.676772	8.009802	5.60908326	5.49851102	5.52879006	1877	2319	2181
8428	NM_001032296,NM_001286649	STK24	serine/threonine kinase 24	-2.085996878	-1.058521206	19.520927	9.34806	17.326561	6.47453768	5.43126519	6.39343391	3452	2211	4011
7469	NM_005663	NELFA	negative elongation factor comple	-1.085742026	-1.058540754	34.563618	31.871773	30.680927	6.39336957	6.276155	6.31229424	3261	4013	3789
1906	NM_001168319,NM_001955	EDN1	endothelin 1	-2.040044156	-1.058627314	1.694065	0.827039	1.491907	2.15835987	1.43116693	2.09493548	136	89	158
54429	NM_018980	TAS2R5	taste 2 receptor member 5	1.218846121	-1.058997957	1.403262	1.704658	1.250666	1.36692851	1.5486383	1.31676564	62	101	72
379	NM_001661	ARL4D	ADP ribosylation factor like GTPa	1.015728013	-1.059014585	6.231412	6.338737	5.534184	3.40980893	3.43022535	3.33505242	378	513	439
9790	NM_014753	BMS1	BMS1, ribosome biogenesis facto	-1.247199244	-1.059035851	11.763866	9.440471	10.437416	6.54194749	6.22706742	6.46010721	3619	3877	4203
5216	NM_005022	PFN1	profilin 1	1.007168797	-1.059071329	401.87793	405.205536	356.593292	9.06367459	9.07396095	8.98103364	20969	28218	24352
90355	NM_001316968,NM_001316969	C5orf30	chromosome 5 open reading fran	1.094471196	-1.059101514	6.313774	6.99938	5.670283	4.31835331	4.44234896	4.2397678	744	1088	864
26173	NM_001080453	INTS1	integrator complex subunit 1	-1.146100846	-1.059201862	17.917919	15.651903	15.896693	6.93870314	6.74368163	6.85641965	4777	5569	5547
10170	NM_001142270,NM_001142271	DHRS9	dehydrogenase/reductase 9	2.20898697	-1.059242862	21.630617	46.607626	18.622907	5.30050562	6.42377037	5.2196331	1508	4451	1751
59283	NM_031895	CACNG8	calcium voltage-gated channel au	-2.405665234	-1.059261411	2.783239	1.157561	2.468144	4.62723337	3.44039495	4.54762018	931	517	1081
54535	NM_001105563,NM_001105564	CCHCR1	coiled-coil alpha-helical rod prote	-1.119781402	-1.059279761	15.187846	12.616894	13.475525	5.31811369	5.15920994	5.23716605	1527	1822	1773
54819	NM_001300816,NM_001300817	ZCCHC10	zinc finger CCHC-type containing	1.038736798	-1.059291466	9.240594	9.550532	8.278549	4.37612225	4.42836625	4.29712434	776	1077	901
79016	NM_024050	DDA1	DET1 and DDB1 associated 1	-1.208249432	-1.059518217	19.823832	16.426128	17.584297	6.31661142	6.04744731	6.23427685	3090	3417	3587
54935	NM_001319658,NM_001319659	DUSP23	dual specificity phosphatase 23	1.007343179	-1.05965398	18.603067	18.851023	16.770695	3.85541331	3.86524379	3.77773686	529	712	614
10494	NM_001271977,NM_001271978	STK25	serine/threonine kinase 25	1.506565807	-1.059661608	37.387243	56.121534	32.856966	6.54313011	7.12919695	6.46044653	3622	7291	4204
79661	NM_001256552,NM_024608,NR	NEIL1	nei like DNA glycosylase 1	-1.006213409	-1.05966677	4.27648	4.275219	3.776645	3.13236099	3.1244438	3.05850609	305	405	354
100652758	NR_132345,NR_132346	LOC100652758	uncharacterized LOC100652758	1.293203033	-1.05975021	1.783177	2.321638	1.586766	1.61502061	1.87534115	1.5590879	81	140	94
79850	NM_001318006,NM_001318007	FAM57A	family with sequence similarity 57	1.279524813	-1.05993677	11.011987	14.208698	9.773325	4.66103338	5.00416403	4.58045927	954	1631	1107
128977	NM_001166242,NM_173793	C22orf39	chromosome 22 open reading fra	1.007384784	-1.059965563	7.505669	7.431767	6.44362	3.70855202	3.71835988	3.63111814	474	638	550
402415	NM_212559	XKRX	XK related, X-linked	-2.371921053	-1.060003739	0.224439	0.095846	0.203179	0.71085839	0.3412894	0.6785857	25	14	29
160418	NM_181783	TMTC3	transmembrane and tetratricopep	-1.129106181	-1.060151411	5.011006	4.441427	4.44057	5.17592889	5.00587698	5.09405028	1380	1633	1601
102724312	NR_125994,NR_125995,NR_12	LINC01770	long intergenic non-protein codin	-1.672221755	-1.060493058	3.348619	1.872434	2.903445	2.22275497	1.67459501	2.15654364	144	115	167
3984	NM_001204426,NM_002314	LIMK1	LIM domain kinase 1	-1.572818709	-1.0605232	25.132358	15.995558	22.266352	6.38811426	5.74456841	6.30437724	3249	2760	3768
283659	NM_173814	PRTG	protogenin	-1.012662922	-1.060540924	0.87883	0.868244	0.778503	3.50674676	3.49019467	3.42958826	407	537	472
55722	NM_018140	CEP72	centrosomal protein 72	1.184544093	-1.060541786	7.523457	8.927471	6.67273	4.22515306	4.45744984	4.14500092	695	1100	806
3281	NM_001537	HSBP1	heat shock factor binding protein	1.003115262	-1.060547636	51.70599	51.932396	45.821152	6.66038669	6.6648299	6.57643811	3932	5270	4560
127703	NM_001348691,NM_152374	C1orf216	chromosome 1 open reading fran	1.06882047	-1.060570811	7.868969	8.461508	6.981469	4.55403551	4.64610598	4.47289912	883	1261	1024
23172	NM_032182	ABRAXAS2	abraxas 2, BRISC complex subu	-1.093408215	-1.060703547	7.556584	6.924348	6.697139	4.52559963	4.40259064	4.44436461	865	1057	1003
23433	NM_012249	RHOQ	ras homolog family member Q	1.12805525	-1.060808708	3.970357	4.485975	3.519129	4.21529532	4.38031337	4.13483255	690	1040	800
5192	NM_002617,NM_153818	PEX10	peroxisomal biogenesis factor 10	1.122637829	-1.060937447	12.230269	13.80803	10.889015	4.65229204	4.81292083	4.57043432	948	1422	1099
658	NM_001203,NM_001256792,NM	BMPR1B	bone morphogenetic protein rece	-3.89172733	-1.060955837	0.202373	0.052568	0.181245	1.08456011	0.36283659	1.03996283	44	15	51
55711	NM_001271783,NM_001271784	FAR2	fatty acyl-CoA reductase 2	-1.090541409	-1.061242367	3.106606	2.848806	2.75142	3.64828273	3.53359042	3.56953804	453	555	525
10949	NM_006805	HNRNPA0	heterogeneous nuclear ribonucle	1.228380486	-1.061425778	63.536644	78.129982	56.246845	7.52782731	7.82313459	7.44230257	7206	11827	8350
10045	NM_005490	SH2D3A	SH2 domain containing 3A	1.032414172	-1.061440381	53.222317	55.012283	47.12286	6.94378647	6.98944134	6.85848091	4794	6613	5555
4052	NM_000627,NM_001166264,NM	LTBP1	latent transforming growth factor	1.620902492	-1.061477666	1.146316	1.908809	1.026749	2.98234021	3.60765556	2.9074142	271	587	314
50628	NM_015721	GEMIN4	gem nuclear organelle associate	1.258944715	-1.061661074	7.982113	10.061006	7.065598	4.91111656	5.23346232	4.82773844	1142	1921	1323
653121	NM_001040441,NM_001291496	ZBTB8A	zinc finger and BTB domain cont	-1.128998415	-1.061834533	1.415187	1.266892	1.259016	3.47735365	3.31887893	3.39875952	398	471	461
5795	NM_001098503,NM_002843	PTPRJ	protein tyrosine phosphatase, rec	-1.231459532	-1.061854376	10.814848	8.985234	9.871033	6.31338057	6.01719271	6.2279131	3083	3345	3571
80017	NM_001102366,NM_001102367	C14orf159	chromosome 14 open reading fra	1.034952822	-1.061927864	23.058354	22.261277	19.20689	5.93578265	5.98455365	5.85055151	2364	3269	2738
155368	NM_152559	METTL27	methyltransferase like 27	-1.46332166	-1.062087129	1.579545	1.084924	1.398306	1.29387258	0.99371033	1.24294651	57	52	66
113235	NM_001242366,NM_080669	SLC46A1	solute carrier family 46 member 1	1.491675906	-1.062114828	4.119491	6.150662	3.646776	4.75248416	5.31171658	4.66885564	1019	2031	1180
158228	NR_027294	FAM201A	family with sequence similarity 20	-3.617706094	-1.062151918	1.721218	0.465572	1.525552	1.96484452	0.84852988	1.90057841	114	42	132
84245	NM_001031727,NM_001329572	MRI1	methylthioribose-1-phosphate isc	1.120290009	-1.062242548	13.05425	14.646735	11.600644	5.37500681	5.53515162	5.29004963	1590	2380	1841
283373	NM_173595	ANKRD52	ankyrin repeat domain 52	1.166023632	-1.062251779	11.88797	13.877675	10.516932	6.66111308	6.88068447	6.57487194	3934	6129	4555
10587	NM_001282512,NM_006440	TXNRD2	thioredoxin reductase 2	1.537487285	-1.062326401	26.418037	40.665132	23.370005	5.79197777	6.40344564	5.70636801	2136	4388	2473
56928	NM_001077238,NM_152988	SPPL2B	signal peptide peptidase like 2B	1.124462873	-1.062331044	17.116987	19.263132	15.155781	5.99920131	6.16594551	5.91336906	2472	3714	2862
523	NM_001690	ATP6V1A	ATPase H+ transporting V1 subu	1.540363345	-1.062744561	22.33552	34.448532	19.750097	6.65674927	7.27500897	6.56984871	3922	8072	4539
5694	NM_001270481,NM_002798	PSMB6	proteasome subunit beta 6	-1.148503139	-1.062904715	98.808438	86.132783	87.346237	6.37533433	6.17815094	6.28841171	3220	3746	3726
435	NM_000048,NM_001024943,NM	ASL	argininosuccinate lyase	-1.847693062	-1.062954097	15.992375	8.944057	14.611046	5.02044968	4.1718205	4.93515799	1235	893	1429
7188	NM_001033910,NM_001319207	TRAF5	TNF receptor associated factor 5	-1.089205577	-1.063015547	12.197463	11.212136	10.803803	5.60077783	5.48014385	5.51448193	1866	2289	2159
55851	NM_001281532,NM_172341	PSENEN	presenilin enhancer gamma-secr	-1.360734105	-1.063130094	50.853175	37.317484	44.819324	5.90912433	5.4733502	5.82231668	2320	2278	2684
3014	NM_002105	H2AFX	H2A histone family member X	-1.865542604	-1.063236044	134.59758	72.217384	118.957962	7.71260404	6.81893335	7.62457574	8196	5870	9481
283464	NM_001099650,NM_173601	GXYLT1	glucoside xylosyltransferase 1	-1.169906958	-1.063322305	5.077248	4.313148	4.468709	5.23175921	5.01185634	5.14560245	1436	1640	1661
2264	NM_001291980,NM_002011,NM	FGFR4	fibroblast growth factor receptor 4	1.909260605	-1.063324104	4.773298	8.394122	3.892845	3.82462152	4.70844643	3.74245532	517	1319	598
84304	NM_001128612,NM_001128613	NUDT22	nudix hydrolase 22	-1.010312926	-1.063340069	23.736702	23.580389	21.253424	4.70255223	4.68831976	4.61744439	983	1300	1137
23339	NM_001301138,NM_015289	VPS39	VPS39, HOPS complex subunit	-1.018995463	-1.063401098	16.236531	15.94585	14.341942	6.28114034	6.25434409	6.19362678	3014	3952	3486
10681	NM_006578,NM_016194	GNB5	G protein subunit beta 5	1.236499856	-1.063464725	5.046896	6.25074	4.457514	3.96771155	4.25627716	3.88476293	575	950	665
51123	NM_001042510,NM_001267708	ZNF706	zinc finger protein 706	-1.061019218	-1.063522209	18.695615	17.638354	16.525473	5.69458464	5.61082803	5.60749789	1994	2511	2306
839	NM_001226,NM_032992,NR_13	CASP6	caspase 6	1.237700138	-1.063562943	9.124054	11.249606	8.018047	3.95355025	4.24326622	3.8705348	569	941	658
286077	NM_198488	FAM83H	family with sequence similarity 83	-1.006077229	-1.063566972	43.656212	43.440666	38.570099	7.90026394	7.89155948	7.81173579	9340	12404	10801
4686	NM_001351504,NM_001351505	NCBP1	nuclear cap binding protein subu	1.271263371	-1.06358503	21.824774	27.793282	19.294358	6.84751475	7.19110937	6.75937345	4482	7613	5183
84073	NM_032133	MYCBPAP	MYCBP associated protein	-1.985370643	-1.063609293	0.521381	0.261428	0.461649	1.39514558	0.86372326	1.34055586	64	43	74
57148	NM_001282917,NM_001282918	RALGAPB	Ral GTPase activating protein no	1.006175997	-1.063670654	11.028151	11.109604	9.77046	6.55529403	6.5640828	6.46721612	3653	4911	4224
55758	NM_001136223,NM_001136224	RCOR3	REST corepressor 3	-1.010579994	-1.063736702	15.649172	15.756123	13.965733	5.94595195	5.93101533	5.85829744	2381	3148	2753
79613	NM_024562	TANGO6	transport and golgi organization 6	1.24731127	-1.063791315	1.806283	2.256358	1.597174	3.24517298	3.53359042	3.16560381	333	555	385
92345	NM_001128931,NM_138386	NAF1	nuclear assembly factor 1 ribonu	1.492390394	-1.063872009	4.758168	7.150296	4.234849	3.29469475	3.82311587	3.21470347	346	690	400
51070	NM_001270960,NM_015953	NOSIP	nitric oxide synthase interacting p	-1.093908417	-1.063947035	43.09473	38.826701	37.693275	5.74341713	5.61644502	5.65570694	2064	2521	2386

1479	NM_001033505,NM_001033506	CSTF3	cleavage stimulation factor subur	1.176062757	-1.06407992	49.570264	45.909231	39.179578	6.06654372	6.29729141	5.97831199	2592	4073	2996
81550	NM_001146070,NM_001146071	TDRD3	tudor domain containing 3	-1.570781363	-1.064351567	4.749077	2.838499	4.278273	3.76640418	3.17404113	3.68321628	495	421	572
37	NM_000018,NM_001033859,NM	ACADVL	acyl-CoA dehydrogenase, very lc	1.020211208	-1.064461002	149.639553	152.780191	132.438007	8.39895634	8.42773975	8.30910794	13213	18011	15267
389668	NM_001011720,NM_001287258	XKR9	XK related 9	-1.239516717	-1.064491113	0.833653	0.679555	0.742165	1.8573935	1.63971536	1.79260867	103	111	119
5058	NM_001128620,NM_002576	PAK1	p21 (RAC1) activated kinase 1	-1.057333321	-1.064511587	21.122332	20.00899	18.689983	6.16610643	6.08682444	6.07720657	2780	3513	3212
8514	NM_001199860,NM_001199861	KCNAB2	potassium voltage-gated channel	-2.141174093	-1.064747044	1.857333	0.86909	1.63808	3.12395512	2.20257223	3.04408938	303	189	350
171391	NR_126342,NR_126343	LOC171391	uncharacterized LOC171391	-1.117178235	-1.06475342	7.902719	7.210916	7.122396	2.85607368	2.71931318	2.77836293	245	293	283
30832	NM_014594	ZNF354C	zinc finger protein 354C	1.100380465	-1.06495121	3.229437	3.560825	2.850441	4.27914521	4.41037179	4.19316234	723	1063	835
26100	NM_001033518,NM_001033519	WIPI2	WD repeat domain, phosphoinos	-1.171889686	-1.064958847	12.32577	10.579385	10.955862	5.76655235	5.54225135	5.67747023	2098	2392	2423
6458	NR_033412	SH3GL1P1	SH3 domain containing GRB2 lik	-1.079936991	-1.065131628	1.012058	0.937915	0.890553	1.79522562	1.71704117	1.73094093	97	120	112
9076	NM_021101	CLDN1	claudin 1	-1.015749649	-1.065165077	82.989777	81.791893	73.215714	8.12894345	8.10647953	8.03820126	10951	14405	12645
338692	NM_001347901,NM_207354	ANKRD13D	ankyrin repeat domain 13D	1.007832525	-1.065207992	24.644489	24.826125	21.4835	5.72477705	5.73582152	5.63541459	2037	2743	2352
55096	NM_018029	EBLN2	endogenous Bornavirus-like nucl	1.599789216	-1.065303073	1.922253	3.100069	1.698137	2.04717061	2.58825016	1.97845985	123	263	142
374786	NM_001145053,NM_198529,NR	EFCAB5	EF-hand calcium binding domain	1.892524869	-1.065343245	0.06127	0.164513	0.063104	0.41264541	0.70406985	0.39027104	13	33	15
80736	NM_001178044,NM_001178045	SLC44A4	solute carrier family 44 member 4	-2.783126455	-1.065493367	6.432178	2.307647	5.815741	4.12971807	2.79259185	4.04356865	648	311	748
2744	NM_001256310,NM_014905	GLS	glutaminase	1.661216511	-1.065512551	35.135086	58.382591	31.042676	7.29143725	8.02001707	7.20049115	6111	13564	7054
202781	NR_028090	PAXIP1-AS1	PAXIP1 antisense RNA 1 (head t	-1.764951782	-1.065637015	8.294082	4.701309	7.306759	4.27345604	3.50964299	4.18661421	720	545	831
94	NM_000020,NM_001077401	ACVRL1	activin A receptor like type 1	6.282378874	-1.065642208	0.156011	1.039146	0.139596	0.73313634	2.37153003	0.69713258	26	219	30
100134259	NR_024452	LINC01119	long intergenic non-protein codin	1.437496299	-1.065642208	0.561715	0.805553	0.492142	0.73313634	0.96581954	0.69713258	26	50	30
93621	NM_001272053,NM_001272054	MRFAP1	Morf4 family associated protein 1	1.126345373	-1.065722371	155.19754	174.758758	137.339918	8.36034172	8.53149982	8.26879773	12863	19358	14845
219654	NM_153367	ZCCHC24	zinc finger CCHC-type containing	2.043086213	-1.065893442	0.824869	1.693152	0.729004	2.3142594	3.18919702	2.24113096	156	426	180
23398	NM_001278926,NM_001278927	PPWD1	peptidylprolyl isomerase domain	-1.084555694	-1.065965957	36.21902	31.936118	30.4142	6.20995367	6.09449202	6.11907368	2867	3532	3308
6633	NM_004597,NM_177542	SNRPD2	small nuclear ribonucleoprotein D	-1.334199368	-1.065973406	256.656815	192.684439	226.188909	7.47861048	7.06532963	7.38697106	6963	6973	8034
28992	NM_014067	MACROD1	MACRO domain containing 1	-1.410298809	-1.066118217	24.508228	17.389206	21.61017	4.95442736	4.47734157	4.86512445	1178	1116	1359
9697	NM_012288	TRAM2	translocation associated membra	1.23021768	-1.066146115	5.064538	6.240884	4.464259	5.16265334	5.45403052	5.07290231	1367	2247	1577
4176	NM_001278595,NM_005916,NM	MCM7	minichromosome maintenance co	-1.137084824	-1.066149602	64.865153	57.667923	57.61479	7.59740797	7.41308616	7.50548937	7564	8888	8726
10950	NM_001130914,NM_006806	BTG3	BTG anti-proliferation factor 3	-1.292370941	-1.066178876	47.357557	36.628175	41.590877	6.11877104	5.75479142	6.02769088	2689	2780	3102
692196	NR_003942	SNORD76	small nucleolar RNA, C/D box 76	1.140272127	-1.066192618	81.892693	93.467697	72.207947	2.90104285	3.06652959	2.82126674	254	387	293
8834	NM_003876,NR_024547	TMEM11	transmembrane protein 11	1.00173876	-1.066371954	17.531142	17.188947	14.704811	4.69547851	4.69788845	4.60644807	978	1309	1128
7869	NM_001005914,NM_001290060	SEMA3B	semaphorin 3B	-2.195415541	-1.066517048	17.372599	8.473432	14.887161	5.58631849	4.48718552	5.49540175	1847	1124	2130
240	NM_000698,NM_001256153,NM	ALOX5	arachidonate 5-lipoxygenase	-1.827441549	-1.066532603	20.063481	10.986259	17.356707	5.64036226	4.79420929	5.5493518	1919	1403	2213
9448	NM_001242559,NM_001242560	MAP4K4	mitogen-activated protein kinase	1.319379813	-1.066764488	58.031888	76.947474	50.760427	8.67648264	9.07549109	8.58347566	16024	28248	18475
286151	NM_001029860,NR_036491	FBXO43	F-box protein 43	1.288541574	-1.066820809	0.558005	0.727281	0.491522	1.50279892	1.75012126	1.4430085	72	124	83
152992	NM_001350233,NM_152544	TRMT44	tRNA methyltransferase 44 homo	-1.107097769	-1.066870475	7.0126	6.334603	6.152437	4.34572074	4.20649667	4.2570592	759	916	875
3572	NM_001190981,NM_002184,NM	IL6ST	interleukin 6 signal transducer	1.410073328	-1.066898543	10.813069	15.168908	9.555734	6.5800868	7.07147709	6.48766934	3717	7003	4285
8621	NM_003718,NM_031267	CDK13	cyclin dependent kinase 13	-1.234862212	-1.067060645	10.320274	8.38159	9.117462	6.14133197	5.84176112	6.04905586	2732	2956	3149
9100	NM_001272075,NM_005153,NR	USP10	ubiquitin specific peptidase 10	1.272667699	-1.067071465	38.547504	48.767448	33.606198	6.97916821	7.32457866	6.88627598	4914	8356	5664
22980	NM_014972	TCF25	transcription factor 25	1.207257479	-1.067215397	40.099823	48.463009	35.305492	6.47907607	6.74803794	6.38630822	3463	5586	3991
51390	NM_001286587,NM_001286588	AIG1	androgen induced 1	1.337032363	-1.06725178	68.378723	93.770719	55.648886	6.71107214	7.1266407	6.6180947	4074	7278	4695
84083	NM_001286568,NM_001286569	ZRANB3	zinc finger RANBP2-type contain	1.420694538	-1.067273666	1.183699	1.739696	1.055462	3.17367098	3.63226192	3.09042641	315	598	363
284996	NM_173647	RNF149	ring finger protein 149	1.592717399	-1.067612127	36.054054	57.490917	31.735302	6.71702247	7.38341431	6.62355913	4091	8706	4713
56897	NM_020135,NM_130395	WRNIP1	Werner helicase interacting prote	1.012526723	-1.067699356	21.616944	21.911658	19.004079	5.82411536	5.84176112	5.7313279	2185	2956	2517
55785	NM_018351	FGD6	FYVE, RhoGEF and PH domain	-1.879722545	-1.06777644	18.804928	10.014415	16.550203	7.41844793	6.51530806	7.32440814	6677	4746	7691
115196	NM_001102651	ZNF554	zinc finger protein 554	-1.056416655	-1.067851057	4.190589	3.972248	3.688282	4.00938005	3.93523257	3.92071794	593	750	683
400793	NM_001085375,NM_001135240	C1orf226	chromosome 1 open reading fran	1.122616774	-1.068005295	2.383306	2.785245	2.096119	3.40287721	3.55480842	3.31717816	376	564	433
65999	NM_001142928,NM_023942	LRRC61	leucine rich repeat containing 61	1.576827339	-1.068153785	5.099432	8.054873	4.485748	3.42699388	4.03423402	3.34096163	383	807	441
90990	NM_145754	KIFC2	kinesin family member C2	-1.141712269	-1.068261838	55.837711	48.956097	49.11451	7.4802578	7.2902001	7.38554235	6971	8158	8026
27107	NM_014415	ZBTB11	zinc finger and BTB domain conta	1.27491179	-1.068343992	12.872796	16.42832	11.3211	6.0259528	6.37158123	5.93208459	2519	4291	2900
286128	NM_001271156,NM_173832	ZFP41	ZFP41 zinc finger protein	1.250340245	-1.068618202	3.646215	4.365464	3.14824	3.98637962	4.29041001	3.89684777	583	974	671
7133	NM_001066	TNFRSF1B	TNF receptor superfamily membe	1.366966748	-1.068641846	6.931292	9.485194	6.093762	4.68979447	5.12572903	4.59783705	974	1779	1121
57583	NM_020823	TMEM181	transmembrane protein 181	1.007344886	-1.068685111	13.717684	13.830811	12.060436	6.1914686	6.20188276	6.09698315	2830	3809	3257
10560	NM_001319667,NM_006996	SLC19A2	solute carrier family 19 member 2	-1.244658709	-1.068727197	7.343958	6.029476	6.471039	4.75520813	4.45243375	4.66297087	1021	1096	1175
54069	NM_018944	MIS18A	MIS18 kinetochore protein A	-1.150786334	-1.068735938	21.196732	18.439268	18.627317	5.06284359	4.86669962	4.96989347	1273	1478	1465
11020	NM_001177701,NM_006860,NR	IFT27	intraflagellar transport 27	1.293504211	-1.068969713	29.319135	38.005192	25.839247	5.00565571	5.36674241	4.91251987	1222	2112	1406
56666	NM_001160300,NM_052839,NR	PANX2	pannexin 2	-1.124597835	-1.069097164	1.155844	1.031172	0.998112	2.13345087	2.0043309	2.05953665	133	158	153
10293	NM_005879	TRAIP	TRAF interacting protein	1.124547952	-1.069097501	7.551197	8.50806	6.645024	3.99100913	4.15029781	3.90085366	585	879	673
23192	NM_013325,NM_178326	ATG4B	autophagy related 4B cysteine pe	1.264628224	-1.0691657	28.519282	36.107535	25.074615	6.33902704	6.67401657	6.24377015	3139	5304	3611
26263	NM_012170,NM_147188,NR_03	FBXO22	F-box protein 22	-1.107859224	-1.069219505	15.587966	13.926643	13.700422	5.66736669	5.5226424	5.57276666	1956	2359	2250
51205	NM_001323625,NM_016361,NR	ACP6	acid phosphatase 6, lysophospha	1.173838539	-1.069288647	25.204387	31.582352	23.608844	5.6535627	5.88055759	5.55889016	1937	3038	2228
53637	NM_001166215,NM_030760	S1PR5	sphingosine-1-phosphate recepto	2.540555563	-1.069301213	0.425379	1.081119	0.372529	1.01352966	1.84504029	0.96541723	40	136	46
56624	NM_001143974,NM_019893	ASAH2	N-acylsphingosine amidohydrolas	-3.319576843	-1.069301213	0.428608	0.126412	0.374651	1.01352966	0.38406669	0.96541723	40	16	46
51295	NM_001142464,NM_001142465	ECSIT	ECSIT signalling integrator	-1.16890332	-1.069322171	24.444683	20.721537	21.117541	5.32821046	5.10909111	5.23399405	1538	1758	1769
155400	NR_033322,NR_104013	NSUN5P1	NOP2/Sun RNA methyltransferas	-1.167519378	-1.06936937	19.572836	16.810706	17.246162	5.18807576	4.97122547	5.09405028	1392	1593	1601
51463	NM_001350180,NM_001350181	GPR89B	G protein-coupled receptor 89B	1.095163974	-1.06941952	7.281531	8.036435	6.424435	4.05430925	4.17791132	3.96347983	613	897	705
101927045	NR_110032	LOC101927045	uncharacterized LOC101927045	1.396723842	-1.069439566	1.478705	2.072645	1.294604	2.02024721	2.3978615	1.94780992	120	224	138
55565	NM_001201552,NM_001201553	ZNF821	zinc finger protein 821	-1.116709172	-1.069479197	3.78381	3.66261	3.310088	3.02359429	2.88484352	2.93892502	280	335	322
653689	NM_001080843,NM_001080843	GSTT2B	glutathione S-transferase theta 2	1.695599002	-1.069487024	9.08669	15.41407	7.9776	3.41670749	4.12214544	3.3291189	380	861	437
26750	NM_001136138,NM_001287218	RPS6KC1	ribosomal protein S6 kinase C1	-1.102223257	-1.069562739	7.39059	7.107834	6.619765	5.36076893	5.22392723	5.26618109	1574	1908	1810
400569	NM_001001683,NM_001305000	MED11	mediator complex subunit 11	-1.378125989	-1.069796898	8.574433	6.383533	7.681782	3.08551061	2.68551066	2.99995417	294	285	338
118672	NM_153336	PSTK	phosphoseryl-tRNA kinase	1.031280952	-1.069809289	1.932724	2.001218	1.708282	2.0823043	2.11639955	2.00847214	127	175	146
738	NM_013265,NR_073519	VPS51	VPS51, GARP complex subunit	1.188245238	-1.069849371	19.19772	22.846057	16.860155	5.71641462	5.96090566	5.62091677	2025	3215	2328
7625	NM_001256523,NM_001256524	ZNF74	zinc finger protein 74	1.037080685	-1.070069921	8.85688	9.185398	7.711419	5.10509529	5.15612801	5.01031597	1312	1818	1508
3421	NM_004135,NM_174869	IDH3G	isocitrate dehydrogenase 3 (NAD	1.121694786	-1.070142695	32.171724	36.21673	28.906433	5.67673599	5.8393614	5.5809041	1969	2951	2263
129642	NM_001321265,NM_001321266	MBOAT2	membrane bound O-acyltransfera	1.103703481	-1.070254735	11.474769	12.825174	10.058718	6.43516152	6.57595105	6.3383748	3358	4952	3859
377007	NM_198582	KLHL30	kelch like family member 30	-1.448685363	-1.07043928	0.997147	0.686513	0.876845	2.19894236	1.79836126	2.12264217	141	130	162
26993	NM_001291478,NM_014371,NR	AKAP8L	A-kinase anchoring protein 8 like	1.007974878	-1.070506679	49.438975	49.879664	43.460489	6.75119512	6.76254913	6.65384259	4190	5643	4814
2926	NM_001098477,NM_002092	GRSF1	G-rich RNA sequence binding fac	1.17241111	-1.070543691	18.598375	22.086557	16.336117	6.92001067	7.14774095	6.82250478	4715	7386	5417
54936	NM_017825	ADPRHL2	ADP-ribosylhydrolase like 2	1.067951568	-1.070682571	36.087311	38.587048	31.676222	5.91705205	6.01038243	5.82020306	2333	3329	2680
4155	NM_001025081,NM_001025090	MBP	myelin basic protein	-1.557926036	-1.070689997	33.231572	21.173038	29.227031	7.26133439	6.62693041	7.16345625	5984	5132	6874
6203	NM_001013,NM_001321701,NM	RPS9	ribosomal protein S9	-1.105078425	-1.070731979	576.218466	525.009534	500.866035	8.67252543	8.52874714	8.57417739	15980	19321	18356
6646	NM_001252511,NM_001252512	SOAT1	sterol O-acyltransferase 1	1.227676395	-1.070790333	8.893231	10.936476	7.810048	5.93036974	6.22191816	5.83336264	2355	3863	2705
102724668	NR_132360	DPY19L1P2	DPY19L1 pseudogene 2	-1.385392244	-1.070918516	0.599684	0.42821	0.518776	0.7550755	0.58077243	0.71544405	27	26	31
129285	NM_001135629,NM_001193475	PPP1R21	protein phosphatase 1 regulatory	1.139696542	-1.070991129	8.498349	9.74983	7.463808	4.76875136	4.95091738	4.67354624	1031	1570	1184
55769	NM_001105549,NM_001105550	ZNF83	zinc finger protein 83	-1.635027751	-1.0710849	42.279028	25.894855	36.730447	6.9133192	6.21156417	6.8150945	4693	3835	5389
11079	NM_007033	RER1	retention in endoplasmic reticulur	1.014165704	-1.071100942	61.831779	62.778351	54.25037	7.55367935	7.57386578	7.45512921	7337	9942	8425
56882	NM_001038707,NM_020239	CDC42SE1	CDC42 small effector 1	1.136679119	-1.071170229	29.031669	32.976641	25.37954	6.44742452	6.63026582	6.34940945	3387	5144	3889
692205	NR_003070	SNORD89	small nucleolar RNA, C/D box 89	1.140808771	-1.071659596	13.875882	15.931211	12.214472	1.35261029	1.47139626	1.29257653	61	93	70
84274	NM_032314	COQ5	coenzyme Q5, methyltransferase	-1.258960009	-1.07180473	29.133085	23.172466	25.538483	5.45341658	5.12966232	5.35573003	1681	1784	1929
5339	NM_000445,NM_201378,NM_20	PLEC	plectin	1.111576022	-1.071815185	150.606977	167.83124	132.203553	11.08673874	11.23927896	10.98673008	85348	126759	97939
28976	NM_014049,NR_033426	ACAD9	acyl-CoA dehydrogenase family r	1.742867036	-1.07183364	16.203128	27.664411	14.114343	5.38383466	6.17053465	5.28622648	1600	3726	1836
115110	NR_037844	LOC115110	uncharacterized LOC115110	-1.310633157	-1.07184357	0.880746	0.673396	0.771562	2.3142594	2.01116974	2.23479744	156	159	179
9462	NM_004841,NM_170692	RASAL2	RAS protein activator like 2	-1.132187136	-1.071909486	13.548426	11.778099	11.547296	7.11764422	6.93990061	7.01820583	5413	6388	6211
83892	NM_001317395,NM_001317399	KCTD10	potassium channel tetramerizatio	-1.092499615	-1.071962464	14.525437	13.389129	12.73551	5.90545064	5.78003646	5.80692233	2314	2830	2655
107303344	NM_001320727,NR_135324	SETDB2-PHF11	SETDB2-PHF11 readthrough	1.846409271	-1.071996727	0.223881	0.417041	0.195936	0.89996265	1.37924953	0.85412573	34	84	39
55343	NM_001145265,NM_001145266	SLC35C1	solute carrier family 35 member (	-1.168962124	-1.072005588	8.750819	7.540424	7.583685	4.92569844	4.70844643	4.82879013	1154	1319	1324
115416	NM_138446	MALSU1	mitochondrial assembly of riboso	-1.429309975	-1.072063876	37.164585	26.031174	32.569427	4.8242841	4.33060465	4.72754788	1073	1003	1231
29035	NM_014117	C16orf72	chromosome 16 open reading fra	1.411279751	-1.07210851	7.992332	11.293519	7.006851	4.99877622	5.48260636	4.90156607	1216	2293	1395
80777	NM_030579	CYB5B	cytochrome b5 type B	-1.120038005	-1.072259513	34.322754	30.681444	30.080399	7.17242262	7.01007171	7.07248896	5624	6709	6451
26160	NM_015662	IFT172	intraflagellar transport 172	-1.014198044	-1.072294631	5.110637	5.044286	4.475184	4.81778406	4.79816878	4.72076557	1068	1407	1225

53407	NM_001346281,NM_001346282	STX18	syntaxin 18	-1.112970697	-1.072313573	19.604547	17.635957	17.179867	5.4065374	5.25594871	5.30826105	1626	1952	1865
3965	NM_001330163,NM_002308,NM	LGALS9	galectin 9	-1.364554694	-1.072339356	17.417171	12.906836	15.260966	4.92085417	4.48963605	4.82352399	1150	1126	1319
7518	NM_001318012,NM_001318013	XRCC4	X-ray repair cross complementing	-1.1981157	-1.072402613	13.363981	11.580427	11.867781	4.50308873	4.25483728	4.40682806	851	949	976
101928891	NR_110537	LINC01637	long intergenic non-protein codin	1.661012828	-1.072423683	4.139823	6.900869	3.627559	1.91699278	2.48886356	1.84344662	109	242	125
3489	NM_002178	IGFBP6	insulin like growth factor binding	-1.444624401	-1.072503556	196.85289	136.414032	172.483505	7.54031781	7.01305581	7.43989558	7269	6723	8336
161253	NM_173527	REM2	RRAD and GEM like GTPase 2	1.025912693	-1.07308004	1.247739	1.282944	1.089666	1.70793493	1.73367602	1.63800401	89	122	102
84335	NM_001098632,NM_001098633	AKT1S1	AKT1 substrate 1	1.052521923	-1.073170926	30.222435	29.105068	25.817504	5.98302523	6.05573998	5.88280858	2444	3437	2801
8100	NM_001318491,NM_001318493	IFT88	intraflagellar transport 88	1.332813046	-1.073184282	2.588643	3.339151	2.131019	3.17367098	3.54777037	3.08339379	315	561	361
100133220	NM_001310153	GOLGA6L3	golgin A6 family-like 3	-1.830699553	-1.073306181	1.491016	0.8095	1.306137	1.78459878	1.22307764	1.71282633	96	70	110
55249	NM_001198899,NM_001198900	YY1AP1	YY1 associated protein 1	-1.051528698	-1.073360657	36.069865	33.203918	31.381189	6.64394559	6.5721985	6.54286557	3887	4939	4454
83855	NM_031918	KLF16	Kruppel like factor 16	1.242464822	-1.073365603	13.352625	16.607599	11.688411	5.26844986	5.57435204	5.16904389	1474	2447	1689
6155	NM_000988,NM_001349921,NM	RPL27	ribosomal protein L27	-1.014995428	-1.073423238	971.611698	961.815752	876.468559	9.03734005	9.01590789	8.93532204	20589	27103	23591
64225	NM_001135673,NM_001308076	ATL2	atlastin GTPase 2	1.669544729	-1.073503582	18.922437	31.675961	16.425085	6.38679744	7.11934035	6.28573352	3246	7241	3719
22821	NM_001320821,NM_001320822	RASA3	RAS p21 protein activator 3	1.021040537	-1.07351757	5.07316	5.756447	4.931312	4.58957318	4.61838139	4.49161333	906	1236	1038
4141	NM_004990	MARS	methionyl-tRNA synthetase	-1.24374147	-1.073527056	84.944496	68.367149	74.355988	7.91936414	7.6061254	7.81744245	9465	10168	10844
1763	NM_001080449,NR_102264	DNA2	DNA replication helicase/nucleas	-1.732823951	-1.073567277	8.189995	4.758295	7.144166	5.12629213	4.36304264	5.0269064	1332	1027	1526
3570	NM_000565,NM_001206866,NM	IL6R	interleukin 6 receptor	1.0184268	-1.07358911	0.745817	0.710899	0.630645	2.32896139	2.35011326	2.2474368	158	215	181
392862	NM_001145118	GRID2IP	Grid2 interacting protein	-3.655352696	-1.073591961	0.307971	0.081898	0.269365	1.26358189	0.46599441	1.20457043	55	20	63
5606	NM_001316332,NM_002756,NM	MAP2K3	mitogen-activated protein kinase	1.290432015	-1.073605201	29.345289	37.686476	25.62868	6.06873521	6.43175704	5.96784829	2596	4476	2974
84068	NM_001029998,NM_001300842	SLC10A7	solute carrier family 10 member 7	-1.03289772	-1.073609869	2.863678	2.886776	2.594522	3.54502861	3.50238056	3.45160249	419	542	480
9126	NM_005445	SMC3	structural maintenance of chromo	1.017893057	-1.073681898	25.181059	25.659328	22.039543	6.66980129	6.69513886	6.56827536	3958	5383	4534
216	NM_000689	ALDH1A1	aldehyde dehydrogenase 1 famil	-1.007793396	-1.073891444	98.564186	97.916359	86.254364	7.83513526	7.82398446	7.73275252	8926	11834	10223
57405	NM_020675	SPC25	SPC25, NDC80 kinetochore com	1.068290646	-1.073939671	18.592371	19.879421	16.268179	4.66538426	4.75705948	4.56665693	957	1366	1096
7336	NM_003350	UBE2V2	ubiquitin conjugating enzyme E2	-1.077877386	-1.073986991	54.371738	50.501575	47.579987	6.3521312	6.24530905	6.25045698	3168	3927	3628
64135	NM_022168	IFIH1	interferon induced with helicase (	-1.175114289	-1.07398736	12.410272	10.573256	10.855865	5.47588426	5.24873326	5.37529684	1708	1942	1956
51399	NM_001318486,NM_001318488	TRAPPC4	trafficking protein particle comple	-1.614171915	-1.074083005	24.939875	15.838743	22.132276	4.99532414	4.33197089	4.89555604	1213	1004	1389
116828	NR_026928	N4BP2L2-IT2	N4BPL2 intronic transcript 2	-1.169063271	-1.074228772	2.581909	2.209087	2.258287	3.7336304	3.52644784	3.63833419	483	552	553
51111	NM_001300907,NM_001300908	KMT5B	lysine methyltransferase 5B	1.169351266	-1.074282838	14.198277	16.711237	15.514359	5.72894015	5.95071445	5.6275797	2043	3192	2339
10953	NM_006809	TOMM34	translocase of outer mitochondria	1.168669615	-1.074295818	26.260067	30.720987	22.968943	5.73860759	5.95958045	5.63721662	2057	3212	2355
100130557	NR_024567	NFYC-AS1	NFYC antisense RNA 1	1.547071402	-1.074354497	2.437351	3.776603	2.13502	3.09843961	3.66732006	3.00740444	297	614	340
7329	NM_003345,NM_194259,NM_19	UBE2I	ubiquitin conjugating enzyme E2	1.128347602	-1.074727729	55.520423	62.748194	48.793042	7.32115463	7.49434244	7.2178555	6239	9406	7140
10273	NM_001293197,NM_005861	STUB1	STIP1 homology and U-box cont	1.230361185	-1.074792486	38.150755	47.718353	33.580688	5.95959731	6.25434409	5.85726705	2404	3952	2751
102466740	NR_106866	MIR6808	microRNA 6808	-1.03859314	-1.074902353	2.855833	2.737889	2.601817	0.23670415	0.2284445	0.22116494	7	9	8
56125	NM_018931	PCDHB11	protocadherin beta 11	2.226552004	-1.074902353	0.051577	0.125227	0.046719	0.23670415	0.48576948	0.22116494	7	21	8
80254	NM_001042383,NM_001042384	CEP63	centrosomal protein 63	1.386737918	-1.075188236	5.730534	8.468123	5.870595	4.64790143	5.10350222	4.54762018	945	1751	1081
149345	NM_198149,NR_030775	SHISA4	shisa family member 4	1.122569693	-1.075296525	3.004445	2.83963	2.201873	2.34351507	2.47903109	2.25996639	160	240	183
134549	NM_001172700,NM_133456	SHROOM1	shroom family member 1	-1.087822127	-1.075340124	10.710572	9.787461	9.348847	5.37146049	5.25306686	5.26928318	1586	1948	1814
56164	NM_001260504,NM_001260505	STK31	serine/threonine kinase 31	-1.168345145	-1.075517004	3.163043	2.710361	2.607875	3.51962058	3.3161202	3.42403181	411	470	470
374897	NM_001166034,NM_001166035	SBSN	suprabasin	2.554180924	-1.075542351	0.183898	0.621279	0.15356	0.43999062	0.93737891	0.41288872	14	48	16
100506874	NR_038273,NR_038274	LINC00933	long intergenic non-protein codin	-1.858298909	-1.075542351	0.130715	0.072896	0.115327	0.43999062	0.25173066	0.41288872	14	10	16
8674	NM_001185127,NM_003762,NR	VAMP4	vesicle associated membrane pr	-1.209037216	-1.075575408	5.347303	4.381603	4.500284	4.55716073	4.29602113	4.45666286	885	978	1012
3898	NM_005558	LAD1	ladinin 1	1.053824344	-1.075616795	36.669437	38.689423	32.036236	6.67771978	6.75263621	6.57361777	3980	5604	4551
196528	NM_001347839,NM_152641	ARID2	AT-rich interaction domain 2	-1.484219268	-1.075677974	5.17279	3.431837	4.689924	5.36879502	4.81585323	5.26618109	1583	1425	1810
101928063	NR_110727	LOC101928063	uncharacterized LOC101928063	-6.807061619	-1.075758121	0.244191	0.031429	0.213587	0.61813834	0.10601836	0.58209675	21	4	24
7515	NM_006297	XRCC1	X-ray repair cross complementing	-1.077853684	-1.075794363	25.446926	23.637688	22.225779	5.73032519	5.62472223	5.62697525	2045	2535	2338
54957	NM_001142317,NM_001142318	TXNL4B	thioredoxin like 4B	1.415213788	-1.075886454	5.103618	7.263859	4.738468	3.6915876	4.15956116	3.59448638	468	885	535
2043	NM_001304536,NM_001304537	EPHA4	EPH receptor A4	5.652492646	-1.075931627	0.13858	0.787961	0.12134	0.91952222	2.597368	0.87055986	35	265	40
5143	NM_000923,NM_001098818,NM	PDE4C	phosphodiesterase 4C	-1.559026041	-1.076006552	3.919243	2.450813	3.204432	4.36368147	3.76158491	4.26329596	769	659	879
8999	NM_001330724,NM_003948	CDKL2	cyclin dependent kinase like 2	-1.507355175	-1.076062278	0.365374	0.244464	0.320085	1.47662927	1.12560759	1.40965954	70	62	80
256355	NR_026676	RPS2P32	ribosomal protein S2 pseudogen	-1.094339706	-1.076074178	1.958716	1.792121	1.707184	1.56621863	1.48128072	1.4969322	77	94	88
5814	NM_033224	PURB	purine rich element binding prote	-1.048235761	-1.076081022	7.123615	6.801206	6.219725	6.00149745	5.93461705	5.89741808	2476	3156	2830
84662	NM_001318918,NM_032575	GLIS2	GLIS family zinc finger 2	-1.308509437	-1.076098721	10.702975	8.194514	9.352253	5.30979981	4.93302278	5.20674668	1518	1550	1735
100288911	NR_037631	LOC100288911	uncharacterized LOC100288911	-1.458101458	-1.076116207	4.338627	2.958566	3.785321	2.01115992	1.62195412	1.93223726	119	109	136
23087	NM_001304495,NM_171982	TRIM35	tripartite motif containing 35	1.360903487	-1.076157903	1.595083	2.177294	1.413953	2.92543304	3.31887893	2.83389297	259	471	296
80212	NM_001304957,NM_001304958	CCDC92	coiled-coil domain containing 92	-1.130542983	-1.07636867	9.020236	7.594487	7.670049	4.26392396	4.09665142	4.16345881	715	845	817
54963	NM_001193379,NM_017859,NR	UCKL1	uridine-cytidine kinase 1 like 1	1.072799195	-1.076441503	29.689008	32.072005	25.919256	5.78932242	5.88893602	5.68503952	2132	3056	2436
81502	NM_030789,NM_178580,NM_17	HM13	histocompatibility minor 13	1.229453623	-1.076560048	134.2599	165.26557	116.925652	7.75063896	8.04740893	7.64472148	8416	13825	9615
7385	NM_003366	UQCRC2	ubiquinol-cytochrome c reductase	1.067618848	-1.07658479	97.346779	104.052994	84.975372	7.7181991	7.81216297	7.61226026	8228	11737	9400
55740	NM_001008493,NM_018212	ENAH	enabled homolog (Drosophila)	1.542406877	-1.076732893	5.420001	8.38489	4.737545	6.13872666	6.75671129	6.03363206	2727	5620	3115
58485	NM_001166621,NM_021210,NR	TRAPPC1	trafficking protein particle comple	1.081391776	-1.076801949	50.653592	54.200009	43.430926	5.32362978	5.43381248	5.2196331	1533	2215	1751
26090	NM_001145638,NM_001145639	GPSM1	G protein signaling modulator 1	1.105719154	-1.076863145	10.439095	11.980968	9.637727	5.18983339	5.3302927	5.08527627	1393	2058	1591
55973	NM_001008405,NM_018844,NR	BCAP29	B-cell receptor associated protein	-1.582085694	-1.076910195	8.191421	5.156625	7.141255	5.60002041	4.95535656	5.49540175	1865	1575	2130
10040	NM_001321173,NM_001321174	TOM1L1	target of myb1 like 1 membrane t	-1.316687241	-1.077101925	28.939611	22.169414	25.539336	6.02030239	5.63039253	5.91485546	2509	2546	2865
2671	NM_005262	GFER	growth factor, augmenter of liver	-1.177443412	-1.077142293	16.84313	14.313687	14.69005	5.34005262	5.11068396	5.23558092	1551	1760	1771
147804	NR_003148	TPM3P9	tropomyosin 3 pseudogene 9	-1.014934992	-1.077192453	3.518931	3.473733	3.074535	3.46742135	3.44797538	3.37014999	395	520	451
79847	NM_024789	MFSD13A	major facilitator superfamily dom	-1.566524574	-1.077289654	3.320314	2.122864	2.897954	3.34619087	2.77662633	3.24967672	360	307	411
5269	NM_001195291,NM_001271822	SERPINB6	serpin family B member 6	-1.093668725	-1.077320183	43.346321	38.927116	38.239196	6.32075477	6.19326394	6.21469853	3099	3786	3538
51377	NM_001199261,NM_001199262	UCHL5	ubiquitin C-terminal hydrolase L5	1.243338231	-1.077384794	18.201228	21.081106	12.998637	6.06654372	6.37655495	5.96067018	2592	4306	2959
8853	NM_001135191,NM_003887	ASAP2	ArfGAP with SH3 domain, ankyri	-1.036173124	-1.077666026	34.329106	33.122951	29.941495	7.56653064	7.51554009	7.45920977	7403	9546	8449
7391	NM_001276373,NM_007122,NM	USF1	upstream transcription factor 1	1.021658783	-1.07773857	27.887366	28.517778	24.345891	5.63519596	5.66549558	5.52943707	1912	2610	2182
4088	NM_001145102,NM_001145103	SMAD3	SMAD family member 3	-1.512306927	-1.077788318	94.391115	62.617152	84.684693	9.16278782	8.56732229	9.0549092	22463	19846	25634
205564	NM_001308045,NM_152699	SENP5	SUMO1/sentrin specific peptidas	1.253522636	-1.077848608	15.930463	19.91021	13.945886	6.61911412	6.94213892	6.5120984	3820	6398	4359
1968	NM_001415	EIF2S3	eukaryotic translation initiation fa	-1.068360006	-1.077869938	66.089119	61.931965	57.62096	7.80718797	7.71222916	7.69950493	8754	10948	9989
7705	NM_001099638,NM_001099639	ZNF146	zinc finger protein 146	-1.286087752	-1.078150775	47.970777	37.279161	41.711615	7.48989801	7.12919695	7.38196436	7018	7291	8006
3308	NM_002154	HSPA4	heat shock protein family A (Hsp	1.070035008	-1.078162498	93.05574	99.684853	81.104706	8.26536943	8.36272136	8.15716018	12041	17215	13736
51061	NM_001303447,NM_001324022	TXNDC11	thioredoxin domain containing 11	1.06200922	-1.078188447	13.896612	14.444055	12.061654	5.33823707	5.42295529	5.23240543	1549	2198	1767
83605	NM_001029835,NM_001167934	CCM2	CCM2 scaffolding protein	-1.210845691	-1.078212028	25.003324	20.757215	22.062459	5.54834575	5.2787986	5.44210713	1798	1984	2051
2483	NM_004477	FRG1	FSHD region gene 1	-1.068208429	-1.07835479	35.852268	33.662388	31.251945	5.2258797	5.13693336	5.12005661	1430	1792	1631
79868	NM_001039210,NM_001099922	ALG13	ALG13, UDP-N-acetylglucosamir	-1.05695626	-1.078523038	26.697165	25.611818	20.680282	6.30410949	6.225230 51	6.19648136	3063	3872	3493
339500	NM_178549,NR_033184,NR_10	ZNF678	zinc finger protein 678	-1.754601143	-1.078632001	2.056235	1.333594	1.934974	3.90531607	3.16487058	3.80364308	549	418	626
64708	NM_001282949,NM_001282950	COPS7B	COP9 signalosome subunit 7B	1.228345935	-1.078732398	23.940986	29.577478	21.00631	5.91705205	6.20933576	5.80958828	2333	3829	2660
51340	NM_001278625,NM_001278626	CRNKL1	crooked neck pre-mRNA splicing	1.273629176	-1.078755463	12.217079	15.573927	10.642819	5.61958513	5.96222966	5.51251978	1891	3218	2156
8648	NM_003743,NM_147223,NM_14	NCOA1	nuclear receptor coactivator 1	1.275723205	-1.078798638	2.718264	3.476198	2.36775	4.27535493	4.61052206	4.17177132	721	1229	822
653390	NR_003369	RRN3P2	RRN3 homolog, RNA polymerase	1.399836619	-1.078991416	1.011556	1.415847	0.879402	1.75224037	2.11004283	1.67590018	93	174	106
54979	NM_017878	HRASLS2	HRAS like suppressor 2	-1.909681668	-1.078991416	3.244065	1.711107	2.830128	1.75224037	1.16293478	1.67590018	93	65	106
27304	NM_014484	MOCS3	molybdenum cofactor synthesis 3	1.573722582	-1.079015232	3.245215	5.119416	2.826471	3.41326233	4.01734947	3.31417746	379	797	432
23476	NM_001330384,NM_014299,NM	BRD4	bromodomain containing 4	1.085648821	-1.079100925	16.427146	17.897384	14.303903	6.32351041	6.44064994	6.21510076	3105	4504	3539
5499	NM_001008709,NM_002708,NM	PPP1CA	protein phosphatase 1 catalytic s	1.10251032	-1.079118244	106.176563	117.296785	92.303074	7.25220377	7.39211817	7.14309721	5946	8759	6777
219541	NM_001317078,NM_153450	MED19	mediator complex subunit 19	1.071139921	-1.079394181	11.525395	12.46428	10.118845	3.89547266	3.98818428	3.7929053	545	780	621
10018	NM_001204106,NM_001204107	BCL2L11	BCL2 like 11	1.359883542	-1.079533377	9.72305	12.476305	8.072999	5.46427804	5.89911068	5.35645948	1694	3078	1930
374659	NM_001286451,NM_198527,NR	HDDC3	HD domain containing 3	-1.408432486	-1.079534227	16.229566	11.563831	14.389465	4.03201954	3.57341041	3.9285877	603	572	687
23221	NM_001160036,NM_001160037	RHOBTB2	Rho related BTB domain containi	1.182691284	-1.079568038	2.481808	2.9356	2.160051	3.82462152	4.05092325	3.72222359	517	817	589
319089	NM_001310135	TTC6	tetratricopeptide repeat domain 6	-2.997350578	-1.079808978	0.271999	0.090726	0.236651	1.50279892	0.68708806	1.43197761	72	32	82
2700	NM_021954	GJA3	gap junction protein alpha 3	-1.296426681	-1.079821145	1.480241	1.142528	1.288103	3.08983317	2.76453517	2.99246523	295	304	336
1639	NM_001135040,NM_001135041	DCTN1	dynactin subunit 1	1.3238222	-1.079909466	29.601835	39.27206	25.863586	6.99653892	7.39848953	6.88652852	4974	8798	5665
83549	NM_001135954,NM_001261450	UCK1	uridine-cytidine kinase 1	1.160650261	-1.079958709	12.974374	15.023387	11.230029	4.8242841	5.03217088	4.71736241	1073	1664	1222
201294	NM_199242	UNC13D	unc-13 homolog D	-1.517055358	-1.080113852	124.732864	82.30822	108.520859	9.06140661	8.46152463	8.95043892	20936	18439	23840
23461	NM_018672,NM_172232	ABCA5	ATP binding cassette subfamily A	-1.860943904	-1.080166366	3.54776	1.9084	3.087121	5.04291747	4.18397654	4.93515799	1255	901	1429
55585	NM_017582	UBE2Q1	ubiquitin conjugating enzyme E2	1.051196108	-1.080196579	20.782345	21.870783	18.079773	6.04944579	6.12041926	5.93989276	2561	3597	2916

54896	NM_001040125,NM_001040126	PQLC2	PQ loop repeat containing 2	1.280395743	-1.080283538	10.00638	13.091905	9.582697	4.45698495	4.79915696	4.35082401	823	1408	937
91689	NM_033318,NR_146715,NR_14	SMDT1	single-pass membrane protein wi	1.087839187	-1.080458903	7.408956	8.057154	6.409354	3.61267788	3.72461474	3.51046477	441	641	502
116984	NM_015230,NR_146893,NR_14	ARAP2	ArfGAP with RhoGAP domain, ar	-1.356172421	-1.080462844	6.924767	5.095299	6.037343	5.66953424	5.24002681	5.56015719	1959	1930	2230
55742	NM_018222	PARVA	parvin alpha	-1.194426723	-1.080720105	6.169365	5.172982	5.366345	5.73860759	5.4875188	5.62878784	2057	2301	2341
23417	NM_012213	MLYCD	malonyl-CoA decarboxylase	-1.135070072	-1.080741462	4.569771	4.035886	3.977276	3.43040645	3.26553914	3.3291189	384	452	437
7508	NM_004628,NR_027299	XPC	XPC complex subunit, DNA dam	-1.083707589	-1.080946734	6.576839	6.076674	5.718536	4.63464885	4.52351345	4.52703356	936	1154	1065
29098	NM_001177801,NM_001177802	RANGRF	RAN guanine nucleotide release	1.303963448	-1.080989611	4.279179	5.611458	3.689099	2.39332696	2.71093651	2.30298238	167	291	190
84146	NM_016620,NM_032186,NM_20	ZNF644	zinc finger protein 644	1.259813011	-1.081000073	6.136569	8.08351	5.826358	5.05180751	5.37604391	4.94294958	1263	2126	1437
51075	NM_001144012,NM_001347890	TMX2	thioredoxin related transmembra	1.196157009	-1.081294994	73.469271	86.832275	63.264042	6.919707118	7.17616385	6.80791265	4714	7534	5362
54505	NM_001345964,NM_001345965	DHX29	DExH-box helicase 29	-1.244281611	-1.081308984	14.250333	11.522153	12.418363	6.04944579	5.7394296	5.93843194	2561	2750	2913
1389	NM_001310	CREBL2	cAMP responsive element bindin	-1.509352387	-1.08135707	6.990959	4.634855	6.072028	4.75248416	4.18548887	4.64397663	1019	902	1159
57610	NM_001320238,NM_001320239	RANBP10	RAN binding protein 10	1.213381806	-1.081539324	4.883924	6.148487	4.396635	4.77413325	5.04389026	4.66532766	1035	1678	1177
85015	NM_001080481,NM_001346021	USP45	ubiquitin specific peptidase 45	-1.04257456	-1.081595976	5.04945	4.448885	3.964281	4.45865714	4.40128969	4.35082401	824	1056	937
83593	NM_182663,NM_182664,NM_18	RASSF5	Ras association domain family m	-2.476895348	-1.081735131	11.055442	4.431548	9.497632	5.30330016	4.04760082	5.19292756	1511	815	1718
5352	NM_000935,NM_182943	PLOD2	procollagen-lysine,2-oxoglutarate	1.940782767	-1.081865031	26.011264	50.493918	22.580959	6.686308885	7.63615947	6.57393141	4004	10383	4552
677825	NR_002976	SNORA44	small nucleolar RNA, H/ACA box	-1.049557354	-1.08189138	4.281129	4.032029	3.669581	0.64188297	0.61708849	0.60191771	22	28	25
124930	NM_152345	ANKRD13B	ankyrin repeat domain 13B	-1.108615112	-1.081915046	6.021845	5.438914	5.234185	4.29420754	4.15339221	4.18661421	731	881	831
6584	NM_001308122,NM_003060	SLC22A5	solute carrier family 22 member 5	-1.287881446	-1.08197177	10.434818	8.053088	9.0365	5.10188873	4.74889974	4.99165559	1309	1358	1488
30	NM_001130410,NM_001607,NR	ACAA1	acetyl-CoA acyltransferase 1	-1.164773623	-1.082119159	47.330307	40.116852	41.093954	6.42364978	6.20635918	6.3111659	3331	3821	3786
116841	NM_001323930,NM_001323931	SNAP47	synaptosome associated protein	1.010787648	-1.082146163	11.286677	10.35384	8.960589	4.62574568	4.64060352	4.51662904	930	1256	1057
284900	NR_026962,NR_026963	TTC28-AS1	TTC28 antisense RNA 1	-1.131469877	-1.082146549	5.940856	5.550041	5.229178	2.98234021	2.8278811	2.88332104	271	320	308
80007	NM_024942	C10orf88	chromosome 10 open reading fra	-1.073295768	-1.082243488	4.525846	4.22826	3.930441	3.87056622	3.77571017	3.76460718	535	666	608
10024	NM_001100620,NM_001278324	TROAP	trophinin associated protein	-1.022653122	-1.082351925	52.242661	44.879589	40.986136	6.59460842	6.56262875	6.48166407	3755	4906	4267
8574	NM_001320979,NM_003689	AKR7A2	aldo-keto reductase family 7 mer	-1.407782207	-1.082385476	7.938034	5.597079	6.825998	4.3919615	3.92621521	4.28338119	785	745	892
55969	NM_001199534,NM_018840,NM	C20orf24	chromosome 20 open reading fra	1.096969302	-1.082499209	88.90897	97.554844	77.376037	6.61836627	6.75059434	6.50520776	3818	5596	4338
80208	NM_001160227,NM_025137	SPG11	SPG11, spatacsin vesicle traffick	-1.499024989	-1.082499477	10.108408	6.686855	8.691598	6.26546264	5.69074111	6.15263823	2981	2657	3387
10763	NM_006617	NES	nestin	-3.051097974	-1.08251859	3.210992	1.052453	2.789205	4.20138033	2.74415527	4.09342686	683	299	776
5345	NM_000934,NM_001165920,NM	SERPINF2	serpin family F member 2	-1.414881127	-1.0826093	1.420541	1.009549	1.235858	2.0648444	1.70021226	1.97845985	125	118	142
144233	NM_181708	BCDIN3D	BCDIN3 domain containing RNA	-1.325333618	-1.082649389	2.009119	1.515628	1.745385	2.88122939	2.53704518	2.78271118	250	252	284
2157	NM_000132,NM_019863	F8	coagulation factor VIII	1.460059135	-1.082666122	0.296722	0.435386	0.258709	1.8573935	2.27254712	1.77525664	103	201	117
9564	NM_001170714,NM_001170715	BCAR1	BCAR1, Cas family scaffolding p	1.780465306	-1.082830039	41.189959	73.383875	35.765695	7.04297863	7.87044244	6.92907512	5138	12223	5836
4711	NM_001199957,NM_001199958	NDUFB5	NADH:ubiquinone oxidoreductas	-1.022710139	-1.082870769	78.129305	76.118083	68.206841	6.32121441	6.28922568	6.2078435	3100	4050	3521
6259	NM_001005861,NM_002958	RYK	receptor-like tyrosine kinase	1.441675879	-1.082914566	40.356478	58.260719	35.024575	6.8627504	7.38670496	6.74885548	4530	8726	5145
64108	NM_022147	RTP4	receptor transporter protein 4	-1.485469241	-1.082988065	16.95022	11.426647	14.717297	4.14641466	3.61440811	4.03812306	656	590	745
80279	NM_001278197,NM_001278198	CDK5RAP3	CDK5 regulatory subunit associa	-1.502430215	-1.083085613	187.150771	127.230568	166.698903	9.01627562	8.43037299	8.90135914	20290	18044	23041
255967	NM_175854	PAN3	PAN3 poly(A) specific ribonuclea	-1.003664341	-1.083173812	9.630707	9.606107	8.356859	5.7502602	5.74508128	5.63721662	2074	2761	2355
7750	NM_001190964,NM_001190965	ZMYM2	zinc finger MYM-type containing	1.046057402	-1.083201473	13.798095	14.507217	11.981721	7.11127968	7.17578346	6.99684349	5389	7532	6119
84159	NM_001244638,NM_032199	ARID5B	AT-rich interaction domain 5B	1.901311202	-1.083244472	0.437804	0.83201	0.377854	2.13345087	2.89597101	2.04513029	133	338	151
29097	NM_001277197,NM_001277198	CNIH4	cornichon family AMPA receptor	-1.148604266	-1.083325283	90.214898	78.932785	77.90794	7.10675442	6.90842298	6.99215735	5372	6249	6099
38	NM_000019	ACAT1	acetyl-CoA acetyltransferase 1	-1.11174277	-1.083492642	20.224939	18.211897	17.536634	5.42718135	5.27808999	5.31428079	1650	1983	1873
9526	NM_001330073,NM_004870,NR	MPDU1	mannose-P-dolichol utilization de	1.229903872	-1.083695209	22.526595	27.984018	19.423671	5.16675115	5.45779006	5.05414007	1371	2253	1556
3104	NM_001278647,NM_001278648	ZBTB48	zinc finger and BTB domain cont	1.144333564	-1.08371614	9.695272	10.94	8.351789	4.49333262	4.67976064	4.38268287	845	1292	959
5438	NM_006233	POLR2I	RNA polymerase II subunit I	-1.487130027	-1.083742288	36.004578	24.252974	31.241648	4.9814326	4.43091866	4.86921928	1201	1079	1363
55860	NM_018477	ACTR10	actin related protein 10 homolog	-1.000293474	-1.08379979	23.845848	23.863503	20.673548	5.84982955	5.84941354	5.73582003	2225	2972	2525
100505746	NR_038311,NR_038312,NR_03	ITGB2-AS1	ITGB2 antisense RNA 1	-3.144171732	-1.083814882	0.565091	0.179489	0.485132	1.21691895	0.50527715	1.15176086	52	22	59
81671	NM_001329394,NM_001329395	VMP1	vacuole membrane protein 1	1.021851544	-1.083821803	154.990213	158.032787	135.084315	9.18436015	9.21549289	9.06843983	22802	31132	25876
80006	NM_001093755,NM_001093756	TRAPPC13	trafficking protein particle comple	-1.070376271	-1.083838959	18.036366	16.865081	14.533791	5.60908326	5.51303823	5.49540175	1877	2343	2130
306	NM_005139	ANXA3	annexin A3	-1.647142584	-1.084303672	288.55957	175.375885	250.076447	8.83156967	8.1136465	8.71506699	17847	14477	20244
81888	NM_001190880,NM_001243526	HYI	hydroxypyruvate isomerase (puta	-1.894818298	-1.084349632	19.380448	10.169665	16.685701	4.64936645	3.77771682	4.53736359	946	667	1073
10263	NM_001271849,NM_005851,NR	CDK2AP2	cyclin dependent kinase 2 associ	-1.236541997	-1.084404155	47.40541	38.165229	41.138533	5.90299631	5.60236135	5.7881215	2310	2496	2620
79797	NM_001184751,NM_024741	ZNF408	zinc finger protein 408	-1.064126497	-1.084405428	6.547302	6.235894	5.67683	4.08278037	3.99854533	3.97302418	626	786	710
9219	NM_001330292,NM_004739	MTA2	metastasis associated 1 family m	1.246459284	-1.084406977	32.555766	40.915247	28.452094	6.60332733	6.91823424	6.48766934	3778	6292	4285
4603	NM_001080416,NM_001144755	MYBL1	MYB proto-oncogene like 1	1.236777368	-1.084435363	12.395725	15.32995	10.699052	5.95723345	6.25937911	5.84224309	2400	3966	2722
101929224	NR_110787	LOC101929224	uncharacterized LOC101929224	-2.825824255	-1.084551217	0.531067	0.176045	0.450392	0.46682716	0.18071335	0.43515728	15	7	17
286967	NR_027402,NR_027402_dup1	FAM223B	family with sequence similarity 22	-1.33294858	-1.084551217	0.550696	0.413435	0.473436	0.46682716	0.36283659	0.43515728	15	15	17
29104	NM_013240,NM_182749,NR_04	N6AMT1	N-6 adenine-specific DNA methy	-1.105719202	-1.084636713	8.467008	7.517648	7.194784	3.25675288	3.12759409	3.15222336	336	406	381
595	NM_053056	CCND1	cyclin D1	1.500126656	-1.084808246	72.764725	109.279732	63.035564	8.25205189	8.83556199	8.13501196	11930	23912	13526
100271836	NR_027155	SMG1P3	SMG1P3, nonsense mediated m	1.274713754	-1.084886551	5.805498	7.412933	5.029654	4.88648104	5.22613324	4.77305948	1122	1911	1272
81605	NM_001135947,NM_001265582	URM1	ubiquitin related modifier 1	1.054215071	-1.085071033	17.18322	18.168013	15.351579	5.68818454	5.762918	5.57276666	1985	2796	2250
10164	NM_001166395,NM_005769	CHST4	carbohydrate sulfotransferase 4	1.261380246	-1.08513837	1.255089	1.585961	1.085578	1.87753473	2.12902957	1.79260867	105	177	119
54903	NM_001165927,NM_001321268	MKS1	Meckel syndrome, type 1	1.13282827	-1.085227286	11.815894	13.437421	10.20546	4.81386993	4.98778875	4.70022518	1065	1612	1207
54621	NM_019086	VSIG10	V-set and immunoglobulin domai	-1.501723923	-1.085364491	10.046999	6.698751	8.70139	5.64257074	5.07032804	5.52684729	1922	1710	2178
51398	NM_016145	WDR83OS	WD repeat domain 83 opposite s	-1.129880988	-1.085556727	77.891937	69.008812	67.417435	6.05110931	5.87775393	5.93452919	2564	3032	2905
23545	NM_012463	ATP6V0A2	ATPase H+ transporting V0 subu	-1.060202005	-1.085649813	3.60808	3.409598	3.125764	4.58498718	4.50425245	4.47155306	903	1138	1023
54497	NM_019024	HEATR5B	HEAT repeat containing 5B	-1.111787635	-1.085796088	6.515758	5.86696	5.63925	5.46511016	5.31586533	5.34914834	1695	2037	1920
11120	NM_001197233,NM_001197234	BTN2A1	butyrophilin subfamily 2 member	-1.260646476	-1.085923803	16.391615	13.086846	14.293571	5.65429253	5.32755573	5.5378219	1938	2054	2195
6874	NM_003185	TAF4	TATA-box binding protein associ	1.052084207	-1.08593006	9.29067	9.78588	8.039984	5.42204799	5.49363592	5.30599715	1644	2311	1862
131544	NM_153605	CRYBG3	crystallin beta-gamma domain co	1.226505351	-1.085966547	2.73354	3.357548	2.365125	4.88896361	5.17452161	4.77415178	1124	1842	1273
8831	NM_001130066,NM_006772	SYNGAP1	synaptic Ras GTPase activating	1.230605841	-1.085969748	2.607269	3.196054	2.255815	4.01620928	4.29881852	3.90484845	596	980	675
402	NM_001199745,NM_001667	ARL2	ADP ribosylation factor like GTP	-1.412108612	-1.086047114	31.32377	22.305673	27.134483	4.94491448	4.46618624	4.82984105	1170	1107	1325
91056	NM_138368	AP5B1	adaptor related protein complex 5	-1.085179567	-1.086127192	6.500424	5.995033	5.625083	5.4177562	5.3026865	5.30145868	1639	2018	1856
58488	NM_001102402,NM_001330377	PCTP	phosphatidylcholine transfer prot	-1.25663189	-1.086168906	16.133386	12.306876	15.121266	5.15545404	4.83621478	5.03967945	1360	1446	1540
90624	NM_001293735,NM_181705,NR	LYRM7	LYR motif containing 7	-1.041194611	-1.086450093	4.377467	4.213847	3.786757	4.78750079	4.73140553	4.67237502	1045	1341	1183
378884	NM_198586	NHLRC1	NHL repeat containing E3 ubiquit	1.175904415	-1.086526025	1.114622	1.306326	0.960955	1.73025772	1.89765633	1.64757178	91	143	103
11124	NM_007051	FAF1	Fas associated factor 1	-1.179535491	-1.086646526	22.882034	19.419807	19.787186	5.87195953	5.63814463	5.75420361	2260	2560	2558
55063	NM_001258008,NM_017984	ZCWPW1	zinc finger CW-type and PWWP	-1.108864443	-1.086744714	2.256245	2.05827	1.955199	2.63728034	2.5131555	2.53718654	205	247	232
6882	NM_001270488,NM_005643	TAF11	TATA-box binding protein associ	-1.180682921	-1.086859505	17.21177	14.447063	15.114116	4.75112025	4.52111984	4.63556737	1018	1152	1152
11334	NM_007275	TUSC2	tumor suppressor candidate 2	1.009908633	-1.086940329	10.98031	11.104309	9.492558	4.2485404	4.26202234	4.13483255	707	954	800
126070	NM_152357	ZNF440	zinc finger protein 440	-1.131871977	-1.086980658	4.091434	3.617664	3.534626	4.14225859	3.97425277	4.02900114	654	772	740
9949	NM_001025580,NM_001171689	AMMECR1	Alport syndrome, mental retardat	-1.240876002	-1.08705536	5.715105	4.61022	5.16613	5.00908319	4.70844643	4.8925416	1225	1319	1386
147015	NM_144683	DHRS13	dehydrogenase/reductase 13	-1.223534479	-1.08707172	10.351463	8.472944	8.955627	4.34933082	4.07396851	4.23501577	761	831	861
112939	NM_052876	NACC1	nucleus accumbens associated 1	1.108010013	-1.087071926	28.528481	31.647535	24.663582	6.97741958	7.12427707	6.85796587	4908	7266	5553
29952	NM_013379	DPP7	dipeptidyl peptidase 7	-1.036640911	-1.087261151	61.765385	59.646927	53.377781	6.61836627	6.56698651	6.49894489	3818	4921	4319
79913	NM_024855	ACTR5	ARP5 actin related protein 5 hom	1.027122097	-1.087321634	9.003724	9.26176	7.781908	4.50794215	4.54487907	4.39267399	854	1172	966
643866	NM_001039771	CBLN3	cerebellin 3 precursor	1.314015226	-1.087458261	1.872504	2.459062	1.614975	2.4003046	2.7276415	2.30298238	168	295	190
9416	NM_004818	DDX23	DEAD-box helicase 23	-1.160208148	-1.087859238	46.473419	40.102604	40.142445	7.21756334	7.00472756	7.09692041	5804	6684	6562
122809	NM_080867,NM_199421	SOCS4	suppressor of cytokine signaling	1.180666462	-1.087923016	11.8752	13.973758	10.267155	6.33993461	6.57681563	6.21991873	3141	4955	3551
53	NM_001302489,NM_001302490	ACP2	acid phosphatase 2, lysosomal	1.05082426	-1.088243359	20.012946	20.992211	17.309467	5.41517498	5.48506467	5.29614568	1636	2297	1849
9589	NM_001270531,NM_001270532	WTAP	WT1 associated protein	1.211707684	-1.088362257	28.35017	34.955736	24.142558	5.8130465	6.08561003	5.69314689	2168	3510	2450
155061	NM_001163474,NM_152557	ZNF746	zinc finger protein 746	-1.188392975	-1.088367055	4.758617	4.009311	4.106861	4.2192465	3.98471399	4.10389022	692	778	782
158293	NM_001322224,NM_198841,NR	FAM120AOS	family with sequence similarity 12	1.223368205	-1.088393723	19.405699	24.570133	16.754409	5.32821046	5.61251543	5.20917167	1538	2514	1738
57679	NM_001135745,NM_020919	ALS2	ALS2, alsin Rho guanine nucleot	-1.031514949	-1.088516028	10.820189	10.013259	9.457989	5.92130285	5.87728612	5.80103986	2340	3031	2644
51460	NM_016329	SFMBT1	Scm-like with four mbt domains 1	1.084571594	-1.088526932	3.663197	3.979344	3.16242	4.11070049	4.22131714	3.99567625	639	926	722
4507	NM_002451	MTAP	methylthioadenosine phosphoryla	-1.06144449	-1.0885318	20.745489	19.568275	17.911442	6.6498128	6.58486401	6.52869704	3903	4913	4410
8533	NM_001199125,NM_001316354	COPS3	COP9 signalosome subunit 3	1.228022997	-1.088636146	29.61683	36.296263	25.386407	5.7597863	6.05118491	5.63961583	2088	3426	2359
200728	NM_198276	TMEM17	transmembrane protein 17	1.252421316	-1.088831479	2.614311	3.283656	2.260316	2.56460348	2.83945493	2.46326383	193	323	218
126328	NM_001193375,NM_175614,NR	NDUFA11	NADH:ubiquinone oxidoreductas	1.062135024	-1.089044545	72.855801	77.79089	59.161623	5.9085127	5.99407798	5.78758072	2319	3291	2619
113026	NM_133373	PLCD3	phospholipase C delta 3	-1.94382725	-1.089091145	59.789322	30.789782	51.585869	7.6645113	6.71228901	7.54201817	7926	5448	8951
64087	NM_022132	MCCC2	methylcrotonoyl-CoA carboxylase	1.007412941	-1.089138417	34.597206	34.896427	29.84993	6.96276465	6.97333495	6.84060498	4858	6539	5486

27249	NM_015702	MMADHC	methylmalonic aciduria and homc	1.236216516	-1.089171747	71.966621	89.079674	62.095947	6.66835688	6.97158289	6.54638607	3954	6531	4465
10019	NM_001291424,NM_005475	SH2B3	SH2B adaptor protein 3	1.018772314	-1.089534454	7.060183	7.199208	6.089032	5.25407798	5.28021477	5.13373733	1459	1986	1647
154007	NM_152551	SNRNP48	small nuclear ribonucleoprotein L	1.119835081	-1.08964125	3.357827	3.763473	2.893219	3.8730763	4.02581645	3.75799726	536	802	605
9972	NM_001278209,NM_001278210	NUP153	nucleoporin 153	-1.086627189	-1.089673026	13.923839	12.819758	12.02257	6.34942974	6.23110042	6.22711565	3162	3888	3569
8602	NM_001291978,NM_001291979	NOP14	NOP14 nucleolar protein	1.272649929	-1.089811331	17.061351	21.840562	14.713984	5.90299631	6.24567154	5.78107545	2310	3928	2607
9412	NM_001271811,NM_004264,NR	MED21	mediator complex subunit 21	-1.333479086	-1.089845691	9.937054	7.446624	8.536123	4.76334931	4.36571317	4.64397663	1027	1029	1159
100101467	NM_001112734,NM_001166012	ZSCAN30	zinc finger and SCAN domain co	1.439638245	-1.089872705	3.227396	4.654729	2.785215	3.87558202	4.37103944	3.76020394	537	1033	606
27031	NM_153240	NPHP3	nephrocystin 3	1.380454309	-1.089882929	5.203513	7.190714	4.487435	4.8255806	5.27667173	4.70596024	1074	1981	1212
11342	NM_007282,NM_183381	RNF13	ring finger protein 13	1.011650332	-1.089998819	26.864822	27.314085	23.272991	6.25539649	6.2718903	6.13276368	2960	4001	3340
90233	NM_001270938,NM_138347,NR	ZNF551	zinc finger protein 551	1.303422381	-1.090148186	3.559071	4.737267	3.073544	3.79844995	4.15647998	3.68321628	507	883	572
51497	NM_198976	NELFCD	negative elongation factor compl	1.069125962	-1.090247562	56.337456	60.293095	48.559063	6.99365829	7.08935998	6.87002091	4964	7091	5600
7862	NM_001003694,NM_001319049	BRPF1	bromodomain and PHD finger co	1.201684014	-1.090314426	4.359308	5.260975	3.720076	4.38494329	4.63839665	4.26640425	781	1254	881
51141	NM_001321329,NM_001321330	INSIG2	insulin induced gene 2	1.069217856	-1.090353281	39.090006	41.415191	33.448689	6.63362019	6.72923768	6.510133	3859	5513	4353
58986	NM_021259	TMEM8A	transmembrane protein 8A	1.150158429	-1.090385463	21.023264	24.206877	18.113266	6.24477511	6.44128863	6.12165047	2938	4515	3314
1021	NM_001145306,NM_001259	CDK6	cyclin dependent kinase 6	-1.50363185	-1.090410415	4.742576	3.14788	4.092011	5.77998999	5.20466589	5.65748382	2118	1882	2389
84792	NM_001037163	FAM220A	family with sequence similarity 22	-1.360190571	-1.090458419	6.650702	4.891332	5.725617	3.93924856	3.52883263	3.82277197	563	553	635
84883	NM_001198696,NM_032797	AIFM2	apoptosis inducing factor, mitoch	-1.933240793	-1.090469243	16.369629	8.475025	14.111288	5.72199495	4.7961904	5.59950948	2033	1405	2293
728233	NR_003563	PI4KAP1	phosphatidylinositol 4-kinase alpl	1.560148153	-1.090537424	23.587734	36.840389	20.326712	5.78666216	6.41895706	5.66398036	2128	4436	2400
79863	NM_001171967,NM_024805	RBFA	ribosome binding factor A (putati	-1.094870797	-1.090582802	7.075709	6.465899	6.088031	5.32454708	5.19718866	5.20269596	1534	1872	1730
5424	NM_001256849,NM_001308632	POLD1	DNA polymerase delta 1, catalyti	-1.010639746	-1.090680658	23.660914	23.417502	20.40036	6.33630091	6.32122153	6.21268572	3133	4142	3533
93973	NM_022899	ACTR8	ARP8 actin related protein 8 hom	1.257047739	-1.090808098	4.633776	5.831946	3.993575	4.11918371	4.43219317	4.00128413	643	1080	725
143282	NM_152429	FGFBP3	fibroblast growth factor binding p	-1.957820072	-1.09097047	1.112363	0.570721	0.963584	1.92669094	1.28081328	1.83509706	110	75	124
23543	NM_001031695,NM_001082576	RBFOX2	RNA binding protein, fox-1 homo	1.557179497	-1.091057157	21.467397	33.647898	18.457464	7.17471352	7.81008115	7.04989321	5633	11720	6350
9380	NM_012203	GRHPR	glyoxylate and hydroxypyruvate r	1.311358897	-1.091234341	46.648384	61.261047	40.174763	5.8357435	6.22081235	5.71207875	2203	3860	2483
54987	NM_001304759,NM_001304760	C1orf123	chromosome 1 open reading fran	-1.2125156	-1.091341697	29.806048	24.690528	26.29171	4.9767722	4.70844643	4.85483626	1197	1319	1349
114822	NM_052924	RHPN1	rhophilin Rho GTPase binding pr	-1.120542624	-1.091358109	34.770866	31.064129	29.937038	6.98614161	6.82331145	6.86105334	4938	5888	5565
514	NM_006886	ATP5E	ATP synthase, H+ transporting, r	-1.09139969	-1.091428899	485.543457	445.350067	418.059052	7.70417055	7.57862147	7.57858298	8148	9975	9182
439990	NR_038464	LINC00857	long intergenic non-protein codin	-1.891283446	-1.091624622	6.305779	3.329997	5.427376	3.83495865	3.00276575	3.71768886	521	368	587
79961	NM_001271833,NM_024901	DENND2D	DENN domain containing 2D	-1.027235029	-1.091638352	17.353916	16.980309	14.814672	5.80452441	5.76645903	5.6803862	2155	2803	2428
84126	NM_001271022,NM_001271023	ATRIP	ATR interacting protein	1.18607698	-1.091711897	3.985025	4.754014	3.42507	3.46742135	3.69305567	3.35270793	395	626	445
23195	NM_014611	MDN1	midasin AAA ATPase 1	-1.226335427	-1.091714439	4.028547	3.28801	3.467837	6.17833593	5.88847182	6.05356106	2804	3055	3159
2622	NM_001286205,NM_001286208	GAS8	growth arrest specific 8	1.156115455	-1.091846902	13.154244	15.359017	11.266208	5.40219915	5.6068831	5.27854964	1621	2504	1826
150197	NR_026919	LINC00896	long intergenic non-protein codin	2.044226257	-1.0918683	0.094404	0.194955	0.072487	0.26755841	0.50527715	0.24657076	8	22	9
257203	NR_026719	DSCR9	Down syndrome critical region 9	1.76726817	-1.0918683	0.111392	0.219574	0.106017	0.26755841	0.44594451	0.24657076	8	19	9
109616976	NR_145735	SNORA79B	small nucleolar RNA, H/ACA box	1.305671359	-1.0918683	1.328365	1.724386	1.10719	0.26755841	0.3412894	0.24657076	8	14	9
51729	NM_016312	WBP11	WW domain binding protein 11	-1.08489158	-1.091905466	45.11758	41.63596	38.828598	6.88841145	6.77189115	6.76267904	4612	5680	5195
54617	NM_017553,NR_104038	INO80	INO80 complex subunit	-2.591390893	-1.091974434	8.894436	3.437156	7.655399	5.80320883	4.46991427	5.67863733	2153	1110	2425
58517	NM_021239	RBM25	RNA binding motif protein 25	-1.118226594	-1.092284834	83.459267	74.717415	71.804306	8.45395938	8.29323182	8.32698881	13728	16403	15458
374899	NM_001037232,NM_001171979	ZNF829	zinc finger protein 829	-5.287162299	-1.092293015	0.699958	0.130746	0.600939	2.15010456	0.72085408	2.05235145	135	34	152
9674	NM_001162893,NM_001162894	KIAA0040	KIAA0040	-2.399730796	-1.092344394	4.3985	1.877322	3.887739	4.40762874	3.23665287	4.28644656	794	442	894
94137	NM_178857	RP1L1	RP1 like 1	1.632966799	-1.092566707	0.052441	0.084691	0.043987	0.49317359	0.73744528	0.45708734	16	35	18
102466194	NR_106831	MIR6773	microRNA 6773	-1.42118233	-1.092566707	5.449975	3.960188	4.62934	0.49317359	0.36283659	0.45708734	16	15	18
10396	NM_001105529,NM_006095	ATP8A1	ATPase phospholipid transportin	-1.333145184	-1.092566707	0.050626	0.037815	0.042408	0.49317359	0.38406669	0.45708734	16	16	18
158376	NM_001348107	SPAAR	small regulatory polypeptide of a	-1.637447101	-1.092566707	0.269745	0.157981	0.224274	0.49317359	0.31941552	0.45708734	16	13	18
79809	NM_024753	TTC21B	tetratricopeptide repeat domain 2	1.163917961	-1.092692479	4.067368	4.74071	3.499681	4.50470835	4.71474432	4.38268287	852	1325	959
23184	NM_015154,NR_126327,NR_12	INSYN2C2	mesoderm development candida	1.132974623	-1.092727994	31.438046	35.737256	6.9782119	7.08652976	6.78099736	6.78099736	4675	7077	5262
136288	NM_001100159,NM_001267865	C7orf57	chromosome 7 open reading fran	-1.391779045	-1.092801876	0.296328	0.21248	0.246774	0.68823103	0.52452456	0.64076093	24	23	27
79630	NM_001301039,NM_001301040	C1orf54	chromosome 1 open reading fran	1.060014533	-1.092801876	1.091962	1.12607	0.874205	0.68823103	0.72085408	0.64076093	24	34	27
1388	NM_001136153,NM_004381	ATF6B	activating transcription factor 6 b	-1.558018207	-1.092818591	24.158246	15.525878	20.780632	5.966078	5.33915216	5.84015848	2415	2071	2718
8841	NM_003883	HDAC3	histone deacetylase 3	1.453982566	-1.092864938	32.172199	46.826527	27.660194	5.9524941	6.48523156	5.82653464	2392	4647	2692
8927	NM_003458	BSN	bassoon presynaptic cytomatrix p	1.611765902	-1.092919908	0.052246	0.084238	0.045077	0.86002952	1.21124797	0.80366934	32	69	36
100506674	NR_109862,NR_109863,NR_10	BRCAT54	breast cancer-associated transcr	-1.334925126	-1.092990872	0.752268	0.555	0.661879	1.01352966	0.81765451	0.95003448	40	40	45
400657	NR_024484	LINC00909	long intergenic non-protein codin	-1.110594234	-1.093051018	4.443124	4.011004	3.825567	4.00480921	3.86335533	3.88476293	591	711	665
202018	NM_153365	TAPT1	transmembrane anterior posterio	1.079876807	-1.09306211	6.783619	7.333497	5.830564	4.9685801	5.07604389	4.84447416	1190	1717	1339
51429	NM_016224	SNX9	sorting nexin 9	-1.185131656	-1.093108429	13.684854	11.559272	11.763596	5.86251679	5.62204021	5.73638056	2245	2531	2526
619505	NR_002576	SNORA21	small nucleolar RNA, H/ACA box	-1.200686444	-1.093133126	15.568617	13.116873	13.384533	1.602974	1.43116693	1.51794971	80	89	90
8490	NM_001195303,NM_001254748	RGS5	regulator of G protein signaling 5	-1.133534929	-1.09317385	1.226677	0.864271	0.633693	1.94589385	1.81408935	1.85174813	112	132	126
22916	NM_001042540,NM_001308036	NCBP2	nuclear cap binding protein subu	1.007142399	-1.093198835	78.112788	78.753467	66.628005	7.37106531	7.38127136	7.24331916	6460	8693	7268
55122	NM_018064	AKIRIN2	akirin 2	1.107169897	-1.093453101	17.674601	19.596497	15.194275	5.09867502	5.24148154	4.97370184	1306	1932	1469
51082	NM_001206559,NM_015972,NM	POLR1D	RNA polymerase I subunit D	-1.103898972	-1.093526634	43.423193	40.897124	34.003368	5.62033234	5.48075987	5.49407653	1892	2290	2128
55766	NM_177925,NR_027716	H2AFJ	H2A histone family member J	-1.128140307	-1.093721383	46.654575	41.273659	40.08677	7.38432291	7.21147948	7.25688441	6520	7722	7332
23165	NM_001329434,NM_015135	NUP205	nucleoporin 205	-1.504563227	-1.093797558	30.045916	19.990006	25.817964	7.5264278	6.9410202	7.39781873	6393	7199	8095
2562	NM_000814,NM_001191320,NM	GABRB3	gamma-aminobutyric acid type A	-1.357407833	-1.094345211	2.116045	1.575658	1.902292	3.62166181	3.22198991	3.50257812	444	437	499
51374	NM_001170795,NM_016085,NM	ATRAID	all-trans retinoic acid induced diff	1.194706413	-1.094367122	133.963632	159.032166	114.012822	6.97274618	7.22753429	6.84372979	4892	7809	5498
8745	NM_003812	ADAM23	ADAM metallopeptidase domain	1.118304733	-1.094512088	0.372285	0.417114	0.318299	1.70793493	1.82188956	1.61867597	89	133	100
57461	NM_001199469,NM_020701	ISY1	ISY1 splicing factor homolog	-1.899929081	-1.0945157	10.792547	5.639122	9.188604	5.34819447	4.45368941	5.22123584	1560	1097	1753
5328	NM_001145031,NM_001319191	PLAU	plasminogen activator, urokinase	-1.296844378	-1.094828833	783.473185	605.456764	673.236145	10.8284517	10.45367465	10.69781485	71351	73512	80156
643387	NR_026923	LOC643387	TAR DNA binding protein pseudc	1.025234173	-1.094862635	1.431888	1.470711	1.22992	2.23841445	2.26684378	2.1362985	146	200	164
57168	NM_020437	ASPHD2	aspartate beta-hydroxylase doma	1.61276477	-1.094889206	1.722621	2.786708	1.483232	2.71768687	3.3216324	2.6075054	219	472	246
80154	NR_026811,NR_026811_dup1,N	GOLGA2P10	golgin A2 pseudogene 10	1.036289459	-1.094914109	7.148518	7.29834	6.113499	4.55559896	4.60488193	4.4305758	884	1224	993
221955	NM_001142936,NM_139179	DAGLB	diacylglycerol lipase beta	-1.428572559	-1.095097757	15.757884	10.897935	13.340237	5.49393602	4.99298	5.3659089	1730	1618	1943
57019	NM_001308347,NM_001308358	CIAPIN1	cytokine induced apoptosis inhibi	1.15258831	-1.095190502	22.178493	25.551724	19.096984	5.5786497	5.77953587	5.45033042	1837	2829	2063
55761	NM_001307943,NM_018259	TTC17	tetratricopeptide repeat domain 1	-1.243837884	-1.095371219	30.044671	24.844373	25.727767	6.87938828	6.56756655	6.74913326	4583	4923	5146
50717	NM_015726,NR_028103,NR_02	IDCAF8	DDB1 and CUL4 associated facto	-1.053524768	-1.095695974	35.209182	34.341095	30.91738	7.12160784	7.04693651	6.99074853	5428	6884	6093
81620	NM_030928	CDT1	chromatin licensing and DNA rep	1.066259832	-1.09574738	23.559044	25.148624	20.202816	5.96254669	6.05367128	5.83283856	2409	3432	2704
10443	NM_001278432,NM_001320836	N4BP2L2	NEDD4 binding protein 2 like 2	-1.008648193	-1.095777869	24.523949	23.610228	20.608747	6.16046641	6.14821729	6.030436	2769	3668	3108
23119	NM_015094	HIC2	HIC ZBTB transcriptional repress	1.64653035	-1.095778181	10.468491	17.256983	8.977396	6.13507131	6.84643957	6.00507466	2720	5984	3053
207	NM_001014431,NM_001014432	AKT1	AKT serine/threonine kinase 1	-1.054630671	-1.095979102	70.067045	66.5187	60.683323	7.67227866	7.59592608	7.54073511	7969	10096	8943
5423	NM_002690	POLB	DNA polymerase beta	-1.158029872	-1.096164027	19.759108	17.08584	16.945827	4.7374097	4.53423581	4.61012283	1008	1163	1131
53371	NM_001278603,NM_017426,NR	NUP54	nucleoporin 54	1.103372222	-1.096313558	22.147594	24.220568	18.731897	5.67097747	5.81024893	5.54103391	1961	2891	2200
23563	NM_024533	CHST5	carbohydrate sulfotransferase 5	1.246591083	-1.096609278	0.258667	0.32664	0.222105	0.88013425	1.03456085	0.82068496	33	55	37
1748	NM_001934,NM_138281	DLX4	distal-less homeobox 4	-1.062351329	-1.096788961	0.974677	0.906208	0.786812	1.42282133	1.36863803	1.34055586	66	83	74
10201	NM_001308426,NM_001308427	NME6	NME/NM23 nucleoside diphosph	1.068909164	-1.096866448	3.401403	3.712143	2.923164	3.49701545	3.58491601	3.37591747	404	577	453
1039	NM_001802	CDR2	cerebellar degeneration related p	-1.004130059	-1.096945202	16.684521	16.640135	14.2985	5.48903517	5.48322133	5.35864561	1724	2294	1933
79725	NM_001317776,NM_024672	THAP9	THAP domain containing 9	-1.302105502	-1.096996492	4.357345	3.348968	3.734406	4.13809052	3.78172178	4.01243492	652	669	731
8773	NM_003825,NM_130798	SNAP23	synaptosome associated protein	-1.375231254	-1.097078475	17.88288	12.961374	15.260264	5.54362658	5.09548035	5.41295079	1792	1741	2009
7596	NM_003425	ZNF45	zinc finger protein 45	-1.125542298	-1.097116032	4.869864	4.334054	4.169109	4.28669603	4.12530075	4.16012035	727	863	815
5433	NM_004805	POLR2D	RNA polymerase II subunit D	1.249311173	-1.097134314	17.377964	21.734863	14.881587	5.33459909	5.64859917	5.20431761	1545	2579	1732
90701	NM_001307941,NM_033280	SEC11C	SEC11 homolog C, signal peptid	-1.049940732	-1.097226165	35.574395	33.789659	30.281759	4.86898241	4.80113128	4.73989992	1108	1410	1242
23609	NM_001271707,NM_014160	MKRN2	makorin ring finger protein 2	1.090488873	-1.097500624	10.049968	11.022745	8.604572	4.85126892	4.97210198	4.72189817	1094	1594	1226
25940	NM_001304538,NM_015475	FAM98A	family with sequence similarity 98	-1.066933125	-1.097525073	15.3853	14.365014	12.99994	5.41258913	5.32137849	5.28162528	1633	2045	1830
54809	NM_001193307,NM_017654	SAMD9	sterile alpha motif domain contair	-2.288265617	-1.097563155	11.203951	9.615616	6.23943495	5.06950644	6.10698744	6.10698744	2927	1709	3280
4670	NM_001297418,NM_005968,NM	HNRNPM	heterogeneous nuclear ribonucle	1.279785079	-1.09769025	102.51015	130.820871	87.734422	7.95386115	8.30849354	7.81995683	9695	16578	10863
996	NM_001114091,NM_001256,NM	CDC27	cell division cycle 27	-1.002528574	-1.097738389	28.304529	24.211689	24.211689	7.33780551	7.33398465	7.20394025	6311	8411	7071
29941	NM_001317926,NM_013355	PKN3	protein kinase N3	-1.552225652	-1.097742566	15.563914	10.023174	13.313006	5.71151407	5.09225907	5.57965517	2018	1737	2261
55260	NM_001303538,NM_001303539	TMEM143	transmembrane protein 143	-1.007887856	-1.09778824	5.875967	5.970825	5.091659	3.94403156	3.93343361	3.81854297	565	749	633
1801	NM_001346574,NM_001346575	DPH1	diphthamide biosynthesis 1	1.019878741	-1.097838357	13.180486	13.708711	11.342682	4.91721027	4.94467948	4.78719527	1147	1563	1285
440993	NR_122105	LINC00969	long intergenic non-protein codin	1.219774591	-1.097990024	8.559637	10.457006	7.326009	3.14487866	3.40188358	3.02586351	308	502	345
663	NM_001320674,NM_001320675	BNIP2	BCL2 interacting protein 2	-1.076090307	-1.098210475	14.065643	13.32524	12.047569	6.45707676	6.35252315	6.3235294	3410	4234	3819

348995	NM_198887,NR_104456	NUP43	nucleoporin 43	1.047720675	-1.098238409	12.439642	13.06108	10.713384	5.52459402	5.59042388	5.39246953	1768	2475	1980
23067	NM_015048	SETD1B	SET domain containing 1B	-1.141577846	-1.098250398	6.256048	5.48671	5.35316	5.67025604	5.48322133	5.5378219	1960	2294	2195
4828	NM_021077,NM_205858	NMB	neuromedin B	1.551916913	-1.098309385	11.023649	17.119964	9.419	3.59149522	4.18246262	3.46789548	434	900	486
196394	NM_001113402,NM_001278411	AMN1	antagonist of mitotic exit network	-2.668721842	-1.098318659	11.099248	4.045563	9.388639	4.56959435	3.2511683	4.44024179	893	447	1000
9806	NM_001134434,NM_001244950	SPOCK2	SPARC/osteonectin, cwcv and ka	-1.932527113	-1.098412657	1.328302	0.677325	1.06296	2.92543304	2.14154997	2.80852903	259	179	290
54537	NM_001330112,NM_019054	FAM35A	family with sequence similarity 35	-1.776067931	-1.098419608	10.689477	5.900626	9.018827	5.24053381	4.44108339	5.10884471	1445	1087	1618
65258	NM_001242904,NM_001319154	MPPE1	metallophosphoesterase 1	1.283367794	-1.098445943	10.148711	13.133316	8.769201	4.95442736	5.30407942	4.82352399	1178	2020	1319
55102	NM_018036	ATG2B	autophagy related 2B	1.110099304	-1.098595538	3.128706	3.47694	2.677094	5.3670153	5.51424225	5.2347877	1581	2345	1770
3212	NM_002145	HOXB2	homeobox B2	-2.160016415	-1.09869458	54.398617	25.212851	46.528469	6.42407778	5.33234202	6.28993987	3332	2061	3730
29980	NM_017613	DONSON	downstream neighbor of SON	-1.666922597	-1.098695089	28.483612	17.105701	24.36162	6.14860191	5.42487721	6.01481077	2746	2201	3074
54883	NM_017748,NR_073428	CWC25	CWC25 spliceosome associated	-1.136947842	-1.098737417	21.149676	18.708732	18.34728	6.04109929	5.85892233	5.90740809	2546	2992	2850
644128	NR_003572	RPL23AP53	ribosomal protein L23a pseudoge	1.309572053	-1.098756315	0.792971	1.040196	0.67887	2.45494311	2.78063431	2.34475282	176	308	197
5982	NM_001278791,NM_001278792	RFC2	replication factor C subunit 2	-1.380179592	-1.098832819	32.278716	23.238966	27.381321	5.78732769	5.33234202	5.65392788	2129	2061	2383
80010	NM_024945	RMI1	RecQ mediated genome instabili	1.102535824	-1.098868632	11.419466	12.608349	9.770925	5.31719229	5.45465779	5.1847364	1526	2248	1708
8438	NM_001142548,NM_003579	RAD54L	RAD54 like (S. cerevisiae)	1.057087983	-1.098883049	19.171705	20.292915	16.420803	5.90053779	5.97933194	5.76687928	2306	3257	2581
84080	NM_032140,NR_138150	ENKD1	enkurin domain containing 1	-1.270002451	-1.098924736	18.088256	14.314399	15.324155	4.80338004	4.47239429	4.67237502	1057	1112	1183
54943	NM_001040192,NM_001320746	DNAJC28	DnaJ heat shock protein family (I	-1.95598518	-1.098994302	1.952823	1.020801	1.883666	2.07360076	1.40024122	1.97085819	126	86	141
8846	NM_006020	ALKBH1	alkB homolog 1, histone H2A dio	1.174511034	-1.099033059	6.199005	7.292057	5.299453	4.05430925	4.27344453	3.92662428	613	962	686
25909	NM_001323342,NM_001323343	AHCTF1	AT-hook containing transcription	-1.01198572	-1.099135022	36.522418	36.171889	31.28654	8.31963028	8.30249532	8.18370797	12504	16509	13992
2582	NM_000403,NM_001008216,NM	GALE	UDP-galactose-4-epimerase	1.077128252	-1.099285451	100.274375	108.027928	85.877742	7.28296775	7.38949612	7.14731852	6075	8743	6797
55311	NM_001253792,NM_018337	ZNF444	zinc finger protein 444	1.18029109	-1.099290778	12.571237	14.871313	10.754522	4.71659644	4.94735617	4.58544575	993	1566	1111
100134934	NM_001113324	TEN1	TEN1, CST complex subunit	-1.119952206	-1.099350977	24.736822	22.110445	21.138783	4.64496692	4.48841131	4.51401614	943	1125	1055
83636	NM_001031726,NM_001256046	C19orf12	chromosome 19 open reading fra	1.013584081	-1.099437147	3.37135	3.200335	2.768735	3.96300655	3.98123534	3.83538509	573	776	641
171024	NM_001128933,NM_001128934	SYNPO2	synaptopodin 2	-1.103592251	-1.099545364	0.271563	0.247747	0.234251	1.55375576	1.4614436	1.46482043	76	92	85
109617000	NR_145776	SNORA11F	small nucleolar RNA, H/ACA box	-2.806963906	-1.099744541	3.434072	1.152323	2.888156	0.5190475	0.20477631	0.47868902	17	8	19
5977	NM_001330308,NM_006268	DPF2	double PHD fingers 2	1.16823358	-1.099771505	20.298294	23.711609	17.476633	5.7065968	5.92695261	5.57213879	2011	3139	2249
55172	NM_001083908,NM_018139	DNAAF2	dynein axonemal assembly facto	1.083208455	-1.099832746	8.440021	9.092263	7.206142	4.62574568	4.73657294	4.49426709	930	1346	1040
64682	NM_022662	ANAPC1	anaphase promoting complex su	1.058965662	-1.099845436	10.748149	11.395953	9.182986	6.35707077	6.43874893	6.22152115	3179	4498	3555
6430	NM_001039465,NM_013202	SRSF5	serine and arginine rich splicing f	1.097209286	-1.099894599	264.634139	290.56759	225.214133	8.67989151	8.8134194	8.54287659	16062	23547	17961
9056	NM_001126105,NM_001126106	SLC7A7	solute carrier family 7 member 7	-2.089628467	-1.099980719	1.584917	0.761506	1.265632	2.22275497	1.4614436	2.11576522	144	92	161
6474	NM_001163678,NM_003030,NM	SHOX2	short stature homeobox 2	1.027335949	-1.100032159	1.32653	1.371418	1.127308	2.35073722	2.38212036	2.24113096	161	221	180
6206	NM_001016	RPS12	ribosomal protein S12	-1.15787196	-1.100108317	687.482788	594.421143	587.25238	8.39960938	8.1888061	8.26239018	13219	15254	14779
23051	NM_015035	ZHX3	zinc fingers and homeoboxes 3	1.026694876	-1.100155639	2.040421	2.097767	1.742844	4.38318339	4.41939707	4.25236388	780	1070	872
27303	NM_001003792,NM_001003793	RBMS3	RNA binding motif single strande	1.144361532	-1.100225962	0.160325	0.184359	0.137449	1.2010231	1.31437719	1.12461302	51	78	57
904	NM_001240,NM_001277842	CCNT1	cyclin T1	-1.229108861	-1.100380205	12.726003	10.47236	10.861262	6.46250395	6.16862428	6.3261384	3423	3721	3826
100533464	NR_037918	PRH1-PRR4	PRH1-PRR4 readthrough	1.330319091	-1.10038747	2.431226	3.231429	2.073882	2.29192162	2.62883416	2.18310266	153	272	171
338440	NM_001012302,NM_001347882	ANO9	anoctamin 9	1.048792846	-1.100461605	16.323601	17.108619	13.942752	5.56474231	5.6320572	5.42968364	1819	2549	2033
55239	NM_001324357,NM_001324358	OGFOD1	2-oxoglutarate and iron depende	1.076464284	-1.100785769	17.043621	18.377325	14.503308	5.67673599	5.78103713	5.54103391	1969	2832	2200
441250	NM_001145440	TYW1B	tRNA-yW synthesizing protein 1 l	1.069164957	-1.100847308	2.254042	2.420012	1.9258	2.99161027	3.07634485	2.87112187	273	390	305
55177	NM_001304802,NM_001323894	RMDN3	regulator of microtubule dynamic	-1.018501884	-1.100912992	17.301831	16.939334	14.79392	5.32637993	5.30059458	5.19129304	1536	2015	1716
1677	NM_001282669,NM_001320132	DFFB	DNA fragmentation factor subuni	1.005872438	-1.101040698	2.310012	2.413048	2.022376	3.03260384	3.04002433	2.9113909	282	379	315
79415	NM_001033046,NM_001100407	C17orf62	chromosome 17 open reading fra	1.237945728	-1.101063264	31.120179	40.366954	28.645735	6.02199984	6.325686	5.88533804	2512	4155	2806
84000	NM_001077263,NM_001206789	TMPRSS13	transmembrane protease, serine	-1.910508914	-1.101079382	3.951585	2.053732	3.369007	3.34257292	2.53229878	3.21791812	359	251	401
5928	NM_001135255,NM_001135256	RBBP4	RB binding protein 4, chromatin r	1.117987523	-1.101221168	29.865352	33.427993	25.489056	7.85796531	8.018214776	7.71948858	9069	13547	10129
255043	NM_173804	TMEM86B	transmembrane protein 86B	-1.420095929	-1.101283083	9.333539	6.573627	7.965649	4.08061013	3.60990992	3.95001076	625	588	698
79760	NM_001007269,NM_001007270	GEMIN7	gem nuclear organelle associate	-1.191462333	-1.101325511	15.75414	13.623712	13.559379	4.52559963	4.42477699	4.39267399	865	970	966
219293	NM_001039211	ATAD3C	ATPase family, AAA domain con	-1.903063161	-1.101443041	3.133216	1.650136	2.675983	3.67729659	2.84711955	3.54926401	463	325	517
101927957	NR_126330	LINC01572	long intergenic non-protein codin	-1.092122466	-1.101472549	1.547719	1.419599	1.319935	1.8573935	1.76638114	1.75769337	103	126	115
7289	NM_001160408,NM_003324	TULP3	tubby like protein 3	-1.371915581	-1.101531323	13.220905	9.882932	11.625769	5.3571874	4.91399145	5.22123584	1570	1529	1753
79858	NM_001146003,NM_001321220	NEK11	NIMA related kinase 11	2.636862598	-1.101616851	2.845893	6.913276	2.351805	3.07682646	4.36571317	2.95442604	292	1029	326
2475	NM_004958	MTOR	mechanistic target of rapamycin	1.144729958	-1.101656525	11.380254	13.041802	9.707106	6.61011426	6.80325827	6.47193601	3796	5806	4238
83658	NM_001281727,NM_001281728	DYNLRB1	dynein light chain roadblock-type	-1.154856072	-1.101788274	162.659917	140.550708	138.937459	6.83018009	6.62442377	6.69161939	4428	5123	4943
284306	NM_173631	ZNF547	zinc finger protein 547	1.045241202	-1.101834769	5.346856	5.58962	4.558148	3.99100913	4.05092325	3.86028525	585	817	653
84318	NM_001130146,NM_001130147	CCDC77	coiled-coil domain containing 77	-1.308807127	-1.101853577	10.111957	7.814165	8.647908	4.59870169	4.22867066	4.46480383	912	931	1018
2825	NM_001098199,NM_001261452	GPR1	G protein-coupled receptor 1	-1.492484777	-1.102167594	0.959806	0.645356	0.821913	1.77389308	1.38978355	1.67590018	95	85	106
388284	NM_001012984	C16orf86	chromosome 16 open reading fra	-1.731727759	-1.102214597	0.534921	0.296303	0.453821	0.73313634	0.46599441	0.6785857	26	20	29
3313	NM_004134	HSPA9	heat shock protein family A (Hsp	1.101082373	-1.102480806	179.821747	198.214478	153.270645	9.2640396	9.40274716	9.12352583	24099	35454	26885
829	NM_006135	CAPZA1	capping actin protein of muscle Z	-1.144501383	-1.102542451	136.173203	119.115448	116.065102	8.50896106	8.31481244	8.36853173	14263	16651	15911
51703	NM_016234,NM_203379,NM_20	ACSL5	acyl-CoA synthetase long-chain f	1.005752795	-1.102591077	49.517276	49.944212	42.296566	7.34959644	7.35782173	7.20960321	6364	8552	7099
84910	NM_001329914,NM_032824	TMEM87B	transmembrane protein 87B	1.066195418	-1.102718175	18.093626	19.312593	15.419728	6.5368116	6.6283211	6.39733809	3606	5137	4022
55324	NM_001351298,NM_001351299	ABCF3	ATP binding cassette subfamily F	1.39699826	-1.102836727	24.586389	34.199419	20.95806	5.9696007	6.44539154	5.83074031	2421	4519	2700
54496	NM_001184824,NM_001290018	PRMT7	protein arginine methyltransfera	1.280077059	-1.102975643	10.065707	13.044615	8.605287	4.80732269	5.15226631	4.67120285	1060	1813	1182
4436	NM_000251,NM_001258281	MSH2	mutS homolog 2	1.428648307	-1.103011809	26.564058	37.999466	22.630238	6.39249502	6.9019982	6.25280965	3259	6221	3634
84188	NM_032228	FAR1	fatty acyl-CoA reductase 1	-1.326661177	-1.103090013	47.311314	35.701435	40.303684	7.93070405	7.52482903	7.78976121	9540	9608	10637
54534	NM_019051	MRPL50	mitochondrial ribosomal protein L	-1.018161219	-1.103337659	37.734581	37.103573	32.135788	5.26749617	5.24220835	5.12947602	1473	1933	1642
5336	NM_002661	PLCG2	phospholipase C gamma 2	-2.008183598	-1.103607808	2.098538	1.04546	1.78744	4.23299104	3.30224686	4.09866803	699	465	779
57117	NM_001142471,NM_020395	INTS12	integrator complex subunit 12	-2.366761212	-1.103616625	14.778265	5.975622	11.698627	4.58038655	3.4174117	4.44436461	900	508	1003
55308	NM_001320522,NM_001320525	DDX19A	DEAD-box helicase 19A	1.144049484	-1.103665906	17.000933	19.532539	14.527808	5.66881209	5.85939613	5.52943707	1958	2993	2182
1487	NM_001012614,NM_001328	CTBP1	C-terminal binding protein 1	-1.062918535	-1.103675667	94.425607	88.840119	80.213155	7.83497433	7.74733971	7.69331111	8925	11219	9946
2030	NM_001078175,NM_001078177	SLC29A1	solute carrier family 29 member	1.044233843	-1.103878496	9.146582	9.611786	7.763838	4.41281357	4.47239429	4.27723085	797	1112	888
84311	NM_001278279,NM_032351	MRPL45	mitochondrial ribosomal protein L	1.106978652	-1.103919639	34.972784	38.668515	29.746123	5.87759565	6.0218562	5.73750098	2269	3356	2528
58525	NM_001330395,NM_021241	WIZ	widely interspaced zinc finger mc	2.540626065	-1.103952761	8.071123	20.540609	6.873035	5.08899074	6.4083109	4.95069932	1297	4403	1445
25911	NM_001329742,NM_001329743	DPCD	deleted in primary ciliary dyskine	-1.034408956	-1.104008172	13.650999	12.891829	11.750517	3.65704831	3.61216077	3.5261099	456	589	508
23412	NM_012071	COMMD3	COMM domain containing 3	1.059435333	-1.104068099	26.791275	28.410326	22.792055	4.67692288	4.75705948	4.53993458	965	1366	1075
1606	NM_001345,NM_001351033,NM	DGKA	diacylglycerol kinase alpha	-1.957059593	-1.104101786	35.269847	35.093079	29.818493	6.55763653	5.60349311	6.41635229	3659	2498	4076
1965	NM_004094	EIF2S1	eukaryotic translation initiation fa	1.210726328	-1.104231738	35.093079	42.534927	29.863943	7.16296608	7.43709041	7.02096905	5587	9038	6223
4232	NM_001253900,NM_001253901	MEST	mesoderm specific transcript	-1.204902681	-1.104381585	26.834911	22.340872	23.417398	6.01916965	5.75479142	5.8782435	2507	2790	2792
115004	NM_138441	MB21D1	Mab-21 domain containing 1	1.109004225	-1.104548779	6.778283	7.518	5.760236	3.6887407	3.82699692	3.5569002	467	692	520
84255	NM_001287498,NM_032295,NM	SLC37A3	solute carrier family 37 member	-1.807890805	-1.104646363	19.503282	10.632987	16.604949	5.9922909	5.15612801	5.8510692	2460	1818	2739
4940	NM_006187	OAS3	2'-5'-oligoadenylate synthetase 3	-1.343622051	-1.104937632	20.445065	15.232086	17.389734	7.05712075	6.63470109	6.91428896	5189	5160	5776
57213	NM_001127482,NM_020456,NR	SPRYD7	SPRY domain containing 7	-1.391938893	-1.104965627	3.238093	2.336291	2.77348	3.47735365	3.05002095	3.34684674	398	382	443
646719	NR_046262	NIPBL-AS1	NIPBL antisense RNA 1 (head to	1.506351318	-1.105117235	1.519269	2.289755	1.291085	3.15316384	3.68880651	3.02586351	310	624	345
51426	NM_001345921,NM_001345922	POLK	DNA polymerase kappa	-1.135952082	-1.105306146	4.37485	3.838943	3.712855	5.5221972	5.34254521	5.38104381	1765	2076	1964
10746	NM_006609	MAP3K2	mitogen-activated protein kinase	1.243926378	-1.105406178	6.429908	8.006764	5.466217	6.10975337	6.42056328	5.96737086	2672	4441	2973
5194	NM_002618	PEX13	peroxisomal biogenesis factor 13	1.04714602	-1.1054196	11.828493	12.401368	10.054906	5.72824713	5.7934873	5.58651095	2042	2857	2272
8615	NM_001290049,NM_003715	USO1	USO1 vesicle transport factor	-1.500708924	-1.105437934	46.035546	30.708701	39.136337	7.51442403	6.93271458	7.37063535	7139	6356	7943
66035	NM_001024938,NM_001024939	SLC2A11	solute carrier family 2 member 1	-1.216578783	-1.105463127	8.544754	6.545219	7.085745	4.58957318	4.31962786	4.45120991	906	995	1008
642517	NM_001190810,NM_001190810	AGAP9	ArfGAP with GTPase domain, an	-1.815121828	-1.105465188	11.582721	6.387534	9.840813	4.80338004	3.98471399	4.66414974	1057	778	1176
91807	NM_001308301,NM_182493	MYLK3	myosin light chain kinase 3	1.326665894	-1.105487209	0.027755	0.037506	0.024719	0.29776659	0.38406669	0.27153692	9	16	10
64493	NR_024121	LINC00235	long intergenic non-protein codin	1.573212469	-1.105487209	0.396614	0.646918	0.327017	0.29776659	0.44594451	0.27153692	9	19	10
692199	NR_003065	SNORD84	small nucleolar RNA, C/D box 84	1.901941236	-1.105487209	2.806077	5.573449	2.33171	0.29776659	0.52452456	0.27153692	9	23	10
101929464	NR_125978	LOC101929464	uncharacterized LOC101929464	1.080119318	-1.105487209	0.431927	0.504608	0.394704	0.29776659	0.31941552	0.27153692	9	13	10
54776	NM_001271618,NM_017607	PPP1R12C	protein phosphatase 1 regulatory	1.027292797	-1.105498151	33.899663	34.860068	28.81611	6.62582736	6.66428769	6.44266668	3838	5268	4270
10535	NM_006397	RNASEH2A	ribonuclease H2 subunit A	1.150075509	-1.105573345	40.915581	47.121136	34.782856	5.53968212	5.73736895	5.39814864	1787	2746	1988
1841	NM_001165031,NM_001320902	DTYMK	deoxythymidylate kinase	1.090064167	-1.105738685	42.619265	46.2774	35.629411	5.6564798	5.77853415	5.51448193	1941	2827	2159
79035	NM_024068	NABP2	nucleic acid binding protein 2	-1.066895743	-1.10589457	17.974705	16.868839	15.277071	4.67404687	4.5843929	4.53478801	963	1206	1071
65084	NM_001168724,NM_022918,NR	TMEM135	transmembrane protein 135	-1.424298561	-1.106106483	3.865076	2.715596	3.282964	5.13468443	4.64170569	4.99353253	1340	1257	1490
79573	NM_001122835,NM_024525	TTC13	tetratricopeptide repeat domain 1	-1.001173184	-1.106121875	13.136018	13.200893	11.116534	5.41431354	5.41266157	5.27237862	1635	2182	1818
84896	NM_001321967,NM_001321968	ATAD1	ATPase family, AAA domain con	-3.254484932	-1.106168427	21.114371	6.525097	17.949633	6.53165735	4.86386887	6.38773618	3593	1475	3995

5715	NM_001261400,NM_002813,NR	PSMD9	proteasome 26S subunit, non-AT	-1.133709231	-1.106184362	19.68417	17.62931	16.818452	5.52618969	5.34930747	5.38390874	1770	2086	1968
389610	NM_001289973,NM_207411	XKR5	XK related 5	2.444613181	-1.106209506	0.093586	0.227715	0.079374	0.54446555	1.08728891	0.49997203	18	59	20
9915	NM_014862	ARNT2	aryl hydrocarbon receptor nuclea	-1.333473374	-1.106209506	0.067817	0.05244	0.060868	0.54446555	0.42561204	0.49997203	18	18	20
8672	NM_001198801,NM_001198802	EIF4G3	eukaryotic translation initiation fa	-1.027681005	-1.106303604	19.51619	18.717844	16.190811	6.86211879	6.82306857	6.71768538	4528	5887	5034
7554	NM_021089	ZNF8	zinc finger protein 8	1.102386942	-1.106339496	6.779525	7.484007	5.757966	3.96300655	4.09504299	3.8269886	573	844	637
375133	NR_003700	PI4KAP2	phosphatidylinositol 4-kinase alpl	1.602072257	-1.106529635	31.276785	50.177036	26.563688	6.13350189	6.80571875	5.98964105	2717	5816	3020
145282	NM_001195296,NM_001195297	MIPOL1	mirror-image polydactyly 1	-1.092576707	-1.106578466	1.429753	1.302601	1.218441	3.27584855	3.16180073	3.1454863	341	417	379
100287227	NR_027954	TIPARP-AS1	TIPARP antisense RNA 1	-1.55733367	-1.106731518	0.640681	0.411507	0.543826	1.38110603	1.02107213	1.29257653	63	54	70
256714	NM_001168465,NM_001168466	MAP7D2	MAP7 domain containing 2	1.471360608	-1.106794505	0.564123	0.842926	0.474547	1.7191395	2.12902957	1.61867597	90	177	100
159371	NM_001134658,NM_001345993	SLC35G1	solute carrier family 35 member (	1.849454569	-1.10681902	0.855487	1.686713	0.728258	1.90722898	2.60642858	1.80120704	108	267	120
6236	NM_001128850,NM_004165	RRAD	RRAD, Ras related glycolysis inh	5.224604364	-1.106843546	2.385522	12.574479	2.014614	2.15010456	4.2461677	2.0378728	135	943	150
7322	NM_003339,NM_181838	UBE2D2	ubiquitin conjugating enzyme E2	1.08706731	-1.106867643	44.223892	48.820583	37.802361	6.90291642	7.02239442	6.7577178	4659	6767	5177
1455	NM_001319	CSNK1G2	casein kinase 1 gamma 2	1.142501958	-1.106910594	35.820431	40.972794	30.413824	6.67664254	6.86708389	6.53160649	3977	6071	4419
79979	NM_001167970,NM_001167971	TRMT2B	tRNA methyltransferase 2 homol	-1.050370248	-1.1072039	5.832792	5.582785	5.246497	4.40762874	4.3401413	4.26795589	794	1010	882
23108	NM_001100398,NM_001330058	RAP1GAP2	RAP1 GTPase activating protein	-1.067993029	-1.107267062	6.554993	6.126895	5.567658	5.43654533	5.3439002	5.29310088	1661	2078	1845
81930	NM_031217	KIF18A	kinesin family member 18A	-1.243963227	-1.107325105	19.369968	15.593703	16.438744	6.05166339	5.74200129	5.90691023	2565	2755	2849
55337	NM_001308277,NM_018381	C19orf66	chromosome 19 open reading fra	-1.075744747	-1.107447046	21.277306	19.692074	18.038366	5.49148768	5.38857221	5.34768165	1727	2145	1918
57128	NM_001164840,NM_001164841	LYRM4	LYR motif containing 4	1.049262825	-1.107723499	7.722838	8.095614	6.33264	3.509976	3.57341041	3.37591747	408	572	453
1351	NM_004074	COX8A	cytochrome c oxidase subunit 8A	-1.031474107	-1.107794671	307.440094	298.4216	260.813934	7.25533391	7.21092267	7.10865803	5959	7719	6616
92610	NM_052864	TIFA	TRAF interacting protein with forl	1.220679054	-1.108089728	5.650282	6.902656	4.79232	4.16292023	4.43600998	4.02350017	664	1083	737
147645	NM_001163922	VSIG10L	V-set and immunoglobulin domai	-1.464555461	-1.108260531	2.917731	1.993443	2.473494	3.51641288	3.0232078	3.38166197	410	374	455
8690	NM_001261833,NM_003772	JRKL	JRK-like	-1.103172157	-1.108347833	8.139843	7.531167	6.88362	4.85126892	4.71474432	4.7082479	1094	1325	1214
63893	NM_022066	UBE2O	ubiquitin conjugating enzyme E2	1.095017229	-1.108352165	16.075623	17.621908	13.629275	6.4064247	6.53590573	6.25984475	3291	4815	3652
6018	NM_012421	RLF	rearranged L-myc fusion	1.048533852	-1.10840585	9.46632	9.937098	8.02427	5.87321391	5.94045074	5.72738578	2262	3169	2510
5863	NM_001243738,NM_004761	RGL2	ral guanine nucleotide dissociatic	1.084676804	-1.108438039	14.778963	15.818716	12.455425	5.58325587	5.69817645	5.43797784	1843	2671	2045
7035	NM_001032281,NM_001318941	TFPI	tissue factor pathway inhibitor	1.104974631	-1.108518751	43.915342	47.870347	36.04901	6.97858557	7.12151459	6.83118973	4912	7252	5450
23175	NM_001261427,NM_001261428	LPIN1	lipin 1	-1.727524078	-1.108572673	8.743792	5.061412	7.41538	5.57093993	4.80408772	5.42551859	1827	1413	2027
55255	NM_018268	WDR41	WD repeat domain 41	-1.419693173	-1.108597171	12.061938	8.509203	10.229654	5.54991538	5.0571683	5.40451103	1800	1694	1997
23518	NM_001282798,NM_001282799	R3HDM1	R3H domain containing 1	1.183677017	-1.108611044	8.731194	7.40964	5.2482889	5.48567859	5.10364045	5.10364045	1453	2298	1612
128	NM_000671	ADH5	alcohol dehydrogenase 5 (class I	1.076422249	-1.109057619	56.310776	60.688805	47.718323	7.19341313	7.29895917	7.04515031	5707	8208	6329
90668	NM_138360	CARMIL3	capping protein regulator and my	-2.661913032	-1.109058538	0.259218	0.097287	0.217367	1.11880553	0.52452456	1.03996283	46	23	51
79777	NM_001135705,NM_001135706	ACBD4	acyl-CoA binding domain contain	-1.491350966	-1.109125544	19.614884	13.559766	17.761818	5.60606863	5.04389026	5.45986539	1873	1678	2077
79723	NM_001193424,NM_001193425	SUV39H2	suppressor of variegation 3-9 hor	1.203216047	-1.109174662	3.834872	4.662732	3.298952	3.61267788	3.859571	3.47597349	441	709	489
79574	NM_001319952,NM_024526,NM	EPS8L3	EPS8 like 3	-39.15584699	-1.10920577	1.035159	0.025336	0.864683	1.74129091	0.08023518	1.63800401	92	3	102
7284	NM_003321	TUFM	Tu translation elongation factor, r	1.249973176	-1.109430982	153.628281	192.24118	130.131165	8.27974807	8.60071908	8.13043461	12162	20312	13483
9183	NM_004724	ZW10	zw10 kinetochore protein	-1.052252973	-1.109511487	11.443295	10.885868	9.690163	5.08141332	5.01015048	4.93613424	1290	1638	1430
51308	NM_001271803,NM_016606,NR	REEP2	receptor accessory protein 2	-1.123157218	-1.109573094	0.424598	0.384776	0.35703	0.95786335	0.8787583	0.88680889	37	44	41
445	NM_000050,NM_054012	ASS1	argininosuccinate synthase 1	-2.766953084	-1.109627522	42.12288	15.287529	35.701751	6.21984785	4.78526051	6.07188671	2887	1394	3200
5147	NM_001291018,NM_002601,NR	PDE6D	phosphodiesterase 6D	1.137543274	-1.109632162	31.615719	34.071422	25.262179	5.15132397	5.33234202	5.00567345	1356	2061	1503
80270	NM_001142777,NM_001142778	HSD3B7	hydroxy-delta-5-steroid dehydrog	-1.106052856	-1.109873814	7.231722	6.544497	6.080541	4.02751998	3.8914258	3.88678411	601	726	666
10513	NM_001282476,NM_006380	APPBP2	amyloid beta precursor protein bi	-1.938765433	-1.110209577	9.553258	4.932549	8.087691	5.94177327	5.0084426	5.79351821	2374	1636	2630
130399	NM_001111031,NM_001111032	ACVR1C	activin A receptor type 1C	-1.205870632	-1.110418152	0.082177	0.068088	0.068383	0.77668602	0.669904	0.71544405	28	31	31
358	NM_001329872,NM_198098	AQP1	aquaporin 1 (Colton blood group)	-2.069913576	-1.110418152	0.249334	0.120881	0.205782	0.77668602	0.42561204	0.71544405	28	18	31
139285	NM_152424	AMER1	APC membrane recruitment prot	1.372406324	-1.1105144	0.949361	1.305521	0.804131	3.14071816	3.55246622	3.00740444	307	563	340
91869	NM_052859	RFT1	RFT1 homolog	1.364319587	-1.110599971	8.547313	11.674317	7.231761	5.44078168	5.88009069	5.29310088	1666	3037	1845
10523	NM_006387	CHERP	calcium homeostasis endoplasmi	1.037663076	-1.110613847	28.185198	29.280085	23.846901	6.82500364	6.87788106	6.67504916	4412	6117	4886
342897	NM_001001414	NCCRP1	non-specific cytotoxic cell recepto	-1.557149749	-1.110663179	0.742146	0.467641	0.61969	1.27880673	0.93737891	1.19154816	56	48	62
2787	NM_005274	GNG5	G protein subunit gamma 5	-1.151853352	-1.110770568	137.35762	119.371567	116.189316	6.76545159	6.56350135	6.61535471	4232	4909	4686
10780	NM_001144824,NM_006630	ZNF234	zinc finger protein 234	1.073525441	-1.11081755	3.153436	3.336182	2.624758	3.88556162	3.98123534	3.74468587	541	776	599
23327	NM_001144964,NM_001144965	NEDD4L	neural precursor cell expressed,	1.338814553	-1.110854873	21.48214	28.721507	18.082905	7.45262374	7.87149979	7.30186348	6838	12232	7571
163702	NM_170743,NM_173064,NM_17	IFNLR1	interferon lambda receptor 1	-1.484397166	-1.110876417	2.41221	1.622569	2.037569	3.54817338	3.03667667	3.41004634	420	378	465
64744	NM_001198978,NM_001198979	SMAP2	small ArfGAP2	1.403752434	-1.110891028	6.99998	9.483699	6.031183	4.34028863	4.80900168	4.1964253	756	1418	837
5371	NM_002675,NM_033238,NM_03	PML	promyelocytic leukemia	-1.20678194	-1.111144498	27.303337	23.827804	25.078823	6.59308669	6.32500006	6.44269547	3751	4153	4152
25979	NM_001330159,NM_015510	DHRS7B	dehydrogenase/reductase 7B	-1.007468765	-1.111275571	11.971315	11.796341	9.745757	4.49006587	4.47980886	4.34495514	843	1118	933
79637	NM_001304271,NM_001304272	ARMC7	armadillo repeat containing 7	-1.463901467	-1.111322026	20.245876	13.764783	16.8056	5.23858851	4.706341	5.09054707	1443	1317	1597
7514	NM_003400	XPO1	exportin 1	1.013910244	-1.111467739	93.753189	95.166145	79.269905	8.78759205	8.80747733	8.6354888	17310	23450	19155
23451	NM_001005526,NM_001308824	SF3B1	splicing factor 3b subunit 1	1.149947508	-1.111493465	140.061921	160.488347	117.52593	9.13749916	9.33873402	8.98528445	22072	33913	24424
6288	NM_000331,NM_001178006,NM	SAA1	serum amyloid A1	-2.934926123	-1.11162704	34.909466	12.080374	29.987511	4.38318339	2.95745524	4.23818553	780	355	863
11260	NM_007235	XPOT	exportin for tRNA	-1.463793548	-1.111648728	58.055244	39.704292	49.073929	7.80800808	7.26127053	7.65602362	8759	7995	9691
79912	NM_001350912,NM_001350913	PYROXD1	pyridine nucleotide-disulphide ox	-1.111444471	-1.111651136	4.177928	3.798977	3.534075	4.15055879	4.00712306	4.0068703	658	791	728
10598	NM_001321441,NM_012111	AHSA1	activator of HSP90 ATPase activi	1.123475532	-1.111681057	152.467941	171.53054	128.965562	7.70628355	7.8914949	7.5543097	8160	12249	9028
83930	NM_032016	STARD3NL	STARD3 N-terminal like	-1.144978699	-1.11196164	19.224327	16.810448	16.248522	5.07270439	4.88356843	4.92437537	1282	1496	1418
100270804	NR_026885	LOC100270804	uncharacterized LOC100270804	1.724355438	-1.1120047	1.954291	3.372795	1.646221	2.27683528	2.93245472	2.15654364	151	348	167
57091	NM_001164114,NM_001164115	CASS4	Cas scaffolding protein family me	1.650768677	-1.112062777	0.155967	0.257726	0.132557	0.56944351	0.84852988	0.52094563	19	42	21
23369	NM_001282752,NM_001282790	PUM2	pumilio RNA binding family meml	1.021893684	-1.112285565	26.804638	26.703435	22.071293	7.34078263	7.37183757	7.18825152	6325	8636	6994
9669	NM_015904	EIF5B	eukaryotic translation initiation fa	1.100465537	-1.112323165	34.285286	37.769024	28.965174	7.30218753	7.43946901	7.149635	6157	9053	6808
8458	NM_003594	TTF2	transcription termination factor 2	-1.114350249	-1.112344759	10.85768	9.75385	9.17196	5.70940872	5.55634684	5.55889016	2015	2416	2228
7424	NM_005429	VEGFC	vascular endothelial growth facto	2.18629858	-1.112409096	10.667351	23.351994	9.009684	4.50470835	5.59839316	4.35812668	852	2489	942
9039	NM_003968,NM_198195	UBA3	ubiquitin like modifier activating e	-1.062270149	-1.112652811	28.10853	26.560495	23.761028	5.88258712	5.79695418	5.7313279	2277	2864	2517
10938	NM_001282444,NM_001282445	EHD1	EH domain containing 1	1.170720153	-1.11310193	37.364681	43.795013	31.547359	7.01000137	7.23576892	6.85667747	5021	7854	5548
801	NM_006888	CALM1	calmodulin 1	-1.105768223	-1.113230388	72.996338	66.087677	61.622589	8.24552836	8.10098066	8.09131278	11876	14350	13121
90411	NM_001171506,NM_001171507	MCFD2	multiple coagulation factor deficie	1.130472916	-1.113259022	45.126988	51.094129	38.057891	7.53120843	7.70723688	7.37729967	7223	10910	7980
7644	NM_001300951,NM_003430	ZNF91	zinc finger protein 91	-1.138708449	-1.113276567	2.508189	2.196015	2.108006	3.84522223	3.67164303	3.7017041	525	616	580
92609	NM_001001563,NM_001329559	TIMM50	translocase of inner mitochondria	-1.188713178	-1.113349849	17.368619	14.630693	14.659883	6.54588578	6.29938812	6.39272292	3629	4079	4009
79717	NM_001077447,NM_001287506	PPCS	phosphopantothenoylcysteine sy	-1.115892892	-1.113446117	27.187217	23.50352	22.379128	5.8267075	5.67144382	5.67454836	2189	2621	2418
57645	NM_001314014,NM_017542	POGK	pogo transposable element deriv	-1.05737183	-1.113496201	12.233527	11.582497	10.32534	6.13297837	6.05367128	5.98020636	2716	3432	3000
28966	NM_014035,NR_146145	SNX24	sorting nexin 24	-1.179234169	-1.113537494	9.872413	8.495829	8.498357	4.48842972	4.26202234	4.34053776	842	954	930
27235	NM_015697	COQ2	coenzyme Q2, polyprenyltransfer	1.075189589	-1.113590512	30.658182	33.007458	25.881714	5.64404118	5.74661881	5.49208841	1924	2764	2125
266812	NM_153757	NAP1L5	nucleosome assembly protein 1 l	-1.105316636	-1.113597596	1.289872	1.164536	1.085531	1.97422731	1.86782539	1.86000215	115	139	127
57212	NR_033708,NR_033709,NR_03	TP73-AS1	TP73 antisense RNA 1	-1.831540938	-1.113635592	2.960488	1.774973	2.437691	4.19537543	3.38618649	4.04899377	680	496	751
116113	NM_001012426,NM_001012427	FOXP4	forkhead box P4	1.219207799	-1.113676178	3.12461	3.812959	2.634697	4.2524017	4.52470876	4.10562676	709	1155	783
990	NM_001254	CDC6	cell division cycle 6	-1.190119919	-1.113738657	31.293242	26.32373	26.403572	6.55490324	6.3067027	6.40123173	3652	4100	4033
201292	NM_001256124,NM_173547	TRIM65	tripartite motif containing 65	-1.159669142	-1.113761327	22.158066	19.137253	18.687538	6.22869497	6.01804174	6.07543546	2905	3347	3208
105378828	NR_135837,NR_135838	LOC105378828	uncharacterized LOC105378828	1.340762917	-1.114137038	0.761204	0.962486	0.593807	0.79797761	0.99371033	0.73352601	29	52	32
260293	NM_001320289,NM_001320290	CYP4X1	cytochrome P450 family 4 subfar	3.912082751	-1.114137038	0.319959	1.262643	0.266335	0.79797761	1.96260273	0.73352601	29	152	32
105379252	NR_136310,NR_136310_dup1,N	LOC105379252	family with sequence similarity 9	-1.487608754	-1.114137038	0.478983	0.319356	0.401661	0.79797761	0.58077243	0.73352601	29	26	32
10525	NM_001130991,NM_006389	HYOU1	hypoxia up-regulated 1	-1.572135086	-1.114182275	25.624399	16.293906	21.58497	6.84559893	6.20001348	6.69104119	4476	3804	4941
80209	NM_025138	PROSER1	proline and serine rich 1	1.082315519	-1.114210168	7.745495	8.394636	6.532293	5.32179342	5.43317608	5.16987408	1531	2214	1690
59284	NM_031896	CACNG7	calcium voltage-gated channel au	-1.972837527	-1.114329409	1.822777	0.920863	1.537909	2.37218925	1.63971536	2.2474368	164	111	181
23023	NM_001017395,NM_001128224	TMCC1	transmembrane and coiled-coil d	1.234433995	-1.114348268	6.271413	7.481518	4.991186	5.08358236	5.3793514	4.93222525	1292	2131	1426
23683	NM_005813	PRKD3	protein kinase D3	1.38884369	-1.114482387	3.590503	4.995239	3.028509	4.43676607	4.89192945	4.2879768	811	1505	895
10907	NM_001303471,NM_001305557	TXNL4A	thioredoxin like 4A	-1.391832591	-1.114596047	26.906443	19.345142	22.531666	5.29115116	4.82849184	5.13883433	1498	1438	1653
8550	NM_003668,NM_139078	MAPKAPK5	mitogen-activated protein kinase-	-1.079728782	-1.114696402	15.246613	14.152519	12.858012	5.12944497	5.02204937	4.97750019	1335	1652	1473
3623	NM_002191	INHA	inhibin alpha subunit	1.086377466	-1.114761087	2.823726	3.079846	2.383141	2.30685184	2.40307061	2.18310266	155	225	171
54875	NM_001114395,NM_001286984	CNTLN	centlein	-1.046101084	-1.1150834	2.874083	2.54446	2.398708	3.79315817	3.7329126	3.64789978	505	645	557
5757	NM_001099285,NM_002823	PTMA	prothymosin, alpha	-1.030592607	-1.115124537	1133.945923	1101.494171	955.611481	10.37801806	10.33457699	10.22093767	52206	67683	57581
203274	NR_146625,NR_146626	LINC00537	long intergenic non-protein codin	1.901183153	-1.115246344	0.891402	1.697326	0.751204	2.23841445	3.01302298	2.11576522	146	371	161
6416	NM_001281435,NM_003010	MAP2K4	mitogen-activated protein kinase	1.195319867	-1.115294633	6.623543	7.924665	5.58418	4.68836995	4.9366195	4.53736359	973	1554	1073
7692	NM_001083330,NM_001282995	ZNF133	zinc finger protein 133	1.534201468	-1.115337984	9.844838	15.562519	8.840299	4.80863452	5.40813487	4.65706199	1061	2175	1170

54881	NM_001161584,NM_017746	TEX10	testis expressed 10	1.422495345	-1.115356326	9.871844	14.060728	8.318211	4.95442736	5.44900251	4.8022651	1178	2239	1299
125476	NM_001098817,NM_001308064	INO80C	INO80 complex subunit C	-2.48247979	-1.115412916	15.34609	6.292894	13.545289	4.03426408	2.84711955	3.88678411	604	325	666
1147	NM_001278,NM_001320928	CHUK	conserved helix-loop-helix ubiqui	-4.112733488	-1.11541811	8.172038	1.987439	6.893271	4.89638579	2.99933041	4.74436548	1130	367	1246
7884	NM_001306074,NM_001306075	SLBP	stem-loop binding protein	-1.011104525	-1.115627062	85.943091	85.109829	72.979697	7.55035055	7.53450363	7.39338282	7320	9673	8070
84100	NM_001278293,NM_001323513	ARL6	ADP ribosylation factor like GTPa	1.205995137	-1.115635443	2.386411	2.774364	1.699332	3.24129226	3.48529134	3.10091148	332	535	366
400027	NR_028408	LINC00938	long intergenic non-protein codin	-1.025887926	-1.115665615	7.422019	7.23993	6.246276	4.08061013	4.04593672	3.93250653	625	814	689
11060	NM_001270453,NM_001270454	WWP2	WW domain containing E3 ubiqu	1.123286011	-1.115736964	11.44403	12.560373	9.894902	5.50934646	5.67360076	5.35500021	1749	2625	1928
641298	NR_027154	SMG1P1	SMG1P1, nonsense mediated m	1.19487425	-1.115759195	5.405407	6.47023	4.55329	4.77547559	5.02374123	4.62351744	1036	1654	1142
4552	NM_002454,NM_024010,NR_13	MTRR	5-methyltetrahydrofolate-homocy	1.055345683	-1.115891872	5.953009	6.312088	4.977311	4.29981562	4.37369523	4.15005835	734	1035	809
90075	NM_001099437,NM_001099438	ZNF30	zinc finger protein 30	-1.704530355	-1.116278375	3.857739	2.328002	3.271518	3.46076162	2.78063431	3.31717816	393	308	433
5908	NM_001010942,NM_001251917	RAP1B	RAP1B, member of RAS oncoge	-1.066619934	-1.116293681	40.066177	37.600223	33.770818	6.4020861	6.31017284	6.24534631	3281	4110	3615
83740	NM_080720,NM_080720_dup1,N	H2AFB3	H2A histone family member B3	1.639709934	-1.116660608	0.486439	0.811404	0.39418	0.3273552	0.50527715	0.29607837	10	22	11
401247	NR_130726	LINC00243	long intergenic non-protein codin	-1.658385536	-1.116660608	0.12472	0.066867	0.10686	0.3273552	0.20477631	0.29607837	10	8	11
84173	NM_001135021,NM_001135022	ELMOD3	ELMO domain containing 3	1.022857151	-1.116749843	7.829204	8.029758	6.698576	4.32936266	4.36036716	4.17638702	750	1025	826
221443	NM_001329684,NM_001329685	OARD1	O-acyl-ADP-ribose deacylase 1	-1.537139725	-1.116835755	17.239701	11.22389	14.083652	4.54776468	3.96018541	4.39551594	879	764	968
55223	NM_001330483,NM_018207	TRIM62	tripartite motif containing 62	1.273984306	-1.1169068	2.359879	3.003972	1.978582	3.29469475	3.61216077	3.15222336	346	589	381
6449	NM_003021	SGTA	small glutamine rich tetratricopep	1.192455903	-1.116964718	46.701336	55.749493	39.2934	6.73161893	6.98336816	6.57361777	4133	6585	4551
10947	NM_001134296,NM_006803	AP3M2	adaptor related protein complex 3	1.075517705	-1.117458961	13.451505	14.487542	11.313321	5.59470734	5.69764662	5.43797784	1858	2670	2045
6885	NM_003188,NM_145331,NM_14	MAP3K7	mitogen-activated protein kinase	1.097149243	-1.117476352	9.758445	10.74203	8.151547	5.63223546	5.76342439	5.47539445	1908	2797	2100
64172	NM_022353	OSGEPL1	O-sialoglycoprotein endopeptida	1.321651863	-1.117798802	4.050526	5.365482	3.408112	3.34257292	3.70997765	3.19852188	359	634	395
79657	NM_001146075,NM_001146076	RPAP3	RNA polymerase II associated pr	-1.167618447	-1.117858238	14.372889	12.289372	12.017697	5.68103985	5.46216384	5.52360351	1975	2260	2173
7297	NM_003331	TYK2	tyrosine kinase 2	1.044532032	-1.117870114	27.579706	28.840652	23.18638	6.84655716	6.9088808	6.68727722	4479	6251	4928
266675	NM_153274	BEST4	bestrophin 4	1.25940199	-1.117876721	0.747285	0.942732	0.627146	1.33814853	1.5486383	1.24294651	60	101	66
9812	NM_001142603,NM_014773	KIAA0141	KIAA0141	1.185727877	-1.11803812	20.235693	24.745029	17.494513	6.59916399	6.84261054	6.43994504	3767	5968	4144
23753	NM_022044	SDF2L1	stromal cell derived factor 2 like	-1.263438774	-1.11848412	15.613962	12.363316	13.10783	3.8375314	3.52644784	3.68786049	522	552	574
144348	NM_001204298,NM_152437	ZNF664	zinc finger protein 664	-1.122904097	-1.118596732	32.339817	28.842809	27.240178	7.09685598	6.93091246	6.93641176	5335	6348	5866
7073	NM_001033925,NM_001323964	TIAL1	TIA1 cytotoxic granule associate	-1.148820651	-1.118801912	29.784669	25.889241	24.949913	6.93720463	6.73879719	6.77664393	4772	5550	5246
8851	NM_003885	CDK5R1	cyclin dependent kinase 5 regula	-1.063996678	-1.118842567	1.773261	1.669431	1.489155	2.93987166	2.86232771	2.79997431	262	329	288
57605	NM_001300801,NM_020845	PITPNM2	phosphatidylinositol transfer prot	-1.902674175	-1.118849808	4.794364	2.513577	4.024717	5.02497132	4.13629029	4.86819666	1239	870	1362
152195	NR_002949,NR_027766	NUDT16P1	nudix hydrolase 16 pseudogene	1.658878164	-1.118880818	4.321745	7.181764	3.606438	3.42899388	4.10306728	3.28075123	383	849	421
100874291	NR_046762	ALMS1-IT1	ALMS1 intronic transcript 1	-1.96103148	-1.118935638	3.445786	1.747807	2.886367	2.78853894	2.0043309	2.65096518	232	158	255
581	NM_001291428,NM_001291429	BAX	BCL2 associated X, apoptosis re	-1.123087766	-1.119109302	68.429699	59.844108	57.156546	5.80189206	5.63759229	5.64260924	2151	2559	2364
25832	NM_015383	NBPF14	NBPF member 14	1.057832412	-1.119156475	2.513416	2.664359	2.110655	4.68408793	4.76213597	4.52832887	970	1371	1066
528	NM_001695	ATP6V1C1	ATPase H+ transporting V1 subu	1.106839424	-1.119186104	16.172901	17.921545	13.582213	6.50520177	6.65011801	6.34463812	3527	5216	3876
727677	NR_024393,NR_117100	CASC8	cancer susceptibility 8 (non-prote	-1.369037476	-1.119247497	19.484518	14.242208	16.354834	4.93653894	4.50061221	4.7796009	1163	1135	1278
51290	NM_016570	ERGIC2	ERGIC and golgi 2	1.079586569	-1.119339398	37.988564	41.057339	31.895884	6.06049988	6.16938873	5.90042236	2581	3723	2836
64599	NM_022574	GIGYF1	GRB10 interacting GYF protein 1	-1.334963669	-1.119383232	23.239248	17.427027	19.509659	7.21706946	6.80350451	7.05551926	5802	5807	6375
84131	NM_001098802,NM_001330691	CEP78	centrosomal protein 78	1.051850759	-1.119405733	7.305365	7.569552	7.429866	5.56007657	5.63150252	5.40097983	1813	2548	1992
11098	NM_001293178,NM_001293179	PRSS23	protease, serine 23	-3.856657232	-1.119428698	21.550189	5.697356	18.054466	6.39380665	4.49452466	6.23308578	3262	1130	3584
8394	NM_001135636,NM_001135637	PIP5K1A	phosphatidylinositol-4-phosphate	-1.018782024	-1.11963575	33.072647	32.372907	27.604563	6.91545167	6.88883011	6.75384724	4700	6164	5163
7097	NM_001318787,NM_001318789	TLR2	toll like receptor 2	1.049097805	-1.11980677	0.806173	0.802127	0.639436	1.94589385	1.99745948	1.8266989	112	157	123
285352	NR_033373	KIF9-AS1	KIF9 antisense RNA 1	1.144361532	-1.119824596	0.521247	0.597591	0.440351	1.2010231	1.31437719	1.11084509	51	78	56
83746	NM_031488	L3MBTL2	L3MBTL2 polycomb repressive c	1.151986097	-1.120104854	8.358752	9.640874	7.012559	4.75384679	4.95091738	4.5966027	1020	1570	1120
84826	NM_032740	SFT2D3	SFT2 domain containing 3	1.280841435	-1.120128564	5.126177	6.573709	4.300866	3.91021271	4.2461677	3.75799726	551	943	605
54938	NM_001145901,NM_017827	SARS2	seryl-tRNA synthetase 2, mitochc	-1.274695035	-1.120144514	22.936994	18.010654	19.2354	5.55461405	5.21284632	5.39460182	1806	1893	1983
128308	NM_001321284,NM_181441,NM	MRPL55	mitochondrial ribosomal protein L	-1.087758909	-1.120301229	49.003595	45.944324	41.258077	5.51406778	5.0262753	4.985067602	1349	1657	1481
55166	NM_018132	CENPQ	centromere protein Q	-1.066152037	-1.120383975	9.434237	8.859634	7.917862	4.07843661	3.99164624	3.92465818	624	782	685
84140	NM_001201543,NM_032180,NR	FAM161A	family with sequence similarity 16	1.0869098	-1.120403574	3.043622	3.317434	2.574525	3.60967076	3.72044785	3.45977198	440	639	483
10402	NM_001271142,NM_001271145	ST3GAL6	ST3 beta-galactoside alpha-2,3-s	2.799716818	-1.12042321	0.58041	1.778139	0.51374	1.62696745	2.77662633	1.51794971	82	307	90
100874058	NR_049718	COX10-AS1	COX10 antisense RNA 1	1.259424987	-1.120533842	2.750503	3.47847	2.313274	2.63728034	2.92160616	2.5006986	205	345	225
23774	NM_001304808,NM_001304809	BRD1	bromodomain containing 1	1.232529886	-1.120721814	13.038541	15.860851	11.27269	5.8769705	6.17396696	5.71549438	2268	3735	2489
257068	NM_001185106,NM_153268	PLCXD2	phosphatidylinositol specific phos	-1.145000914	-1.120742935	0.871846	0.762106	0.745443	1.50279892	1.37924953	1.39836968	72	84	79
85363	NM_033034,NM_033092,NM_03	TRIM5	tripartite motif containing 5	-1.518662463	-1.12083572	13.081026	8.290155	10.5458	5.35897928	4.77424718	5.19863383	1572	1383	1725
9667	NM_014649	SAFB2	scaffold attachment factor B2	1.161319719	-1.120842865	35.401428	41.153419	29.675877	6.85006522	7.06409699	6.68698728	4490	6967	4927
81846	NM_030962	SBF2	SET binding factor 2	-1.600924721	-1.121192724	10.83915	6.777973	9.086859	6.31338057	5.64530591	6.15053688	3083	2573	3382
50865	NM_015987	HEBP1	heme binding protein 1	-1.060017995	-1.121271947	27.934765	26.375622	23.399643	5.08141332	4.99987273	4.92142062	1290	1626	1415
84220	NM_005054,NM_005054_dup1,N	RGPD5	RANBP2-like and GRIP domain c	-1.372238761	-1.121298098	14.281685	10.417994	11.971354	6.65310266	6.20188276	6.48966556	3912	3809	4291
340061	NM_001301738,NM_198282	TMEM173	transmembrane protein 173	-1.46060618	-1.121380665	19.560962	14.269218	16.93516	5.34819447	4.81780485	5.18719863	1560	1427	1711
4688	NM_000433,NM_001127651,NM	NCF2	neutrophil cytosolic factor 2	-1.312524821	-1.121710421	3.120037	2.361663	2.634891	3.02359429	2.68551066	2.8792661	280	285	307
4848	NM_001199302,NM_001199303	CNOT2	CCR4-NOT transcription comple	-1.111402894	-1.122158015	28.328412	25.521211	23.730658	6.51889098	6.36825587	6.35453021	3561	4281	3903
11275	NM_001161521,NM_001161522	KLHL2	kelch like family member 2	1.005577572	-1.122288565	8.979187	9.064764	7.526335	4.8255806	4.83323052	4.66526766	1074	1443	1177
7709	NM_001348277,NM_001348278	ZNF141	zinc finger protein 141	-1.423797623	-1.122322247	4.506054	3.68126	3.720889	5.70890345	5.20987698	5.5448789	2013	1889	2206
5717	NM_001270482,NM_002815	PSMD11	proteasome 26S subunit, non-AT	-1.087197715	-1.122327074	58.267699	53.610693	48.788371	7.79978594	7.67973452	7.63408229	8709	10703	9544
57038	NM_001318785,NM_001350505	RARS2	arginyl-tRNA synthetase 2, mitoc	1.110015647	-1.122436595	9.962448	11.113199	8.541879	4.60927912	4.75400498	4.44984345	919	1363	1007
84062	NM_001271667,NM_001271668	DTNBP1	dystrobrevin binding protein 1	-1.27122315	-1.12262434	5.633233	4.467558	4.611839	3.16959281	2.86610484	3.02219055	314	330	344
8813	NM_001317034,NM_001317035	DPM1	dolichyl-phosphate mannosyltran	-1.032659994	-1.122853356	81.784245	79.49231	68.284439	6.48236777	6.43652791	6.31717356	3471	4491	3802
283643	NM_001134875,NM_001134876	C14orf80	chromosome 14 open reading fra	-1.033115986	-1.123005701	24.331511	23.599181	20.297559	5.35269794	5.30686125	5.18965667	1565	2024	1714
8924	NM_004667	HERC2	HECT and RLD domain containir	-1.150583707	-1.123115148	8.713409	7.582431	7.290719	7.03515498	6.83443995	6.86899886	5110	5934	5596
100132832	NR_028058	PMS2P9	PMS1 homolog 2, mismatch repa	-2.237496775	-1.123309119	2.835673	1.263951	2.367645	2.89611494	1.95552917	2.75199454	253	151	277
116064	NM_001099678	LRRC58	leucine rich repeat containing 58	1.43158806	-1.123372517	8.005009	11.471396	6.69547	5.92795747	6.43843185	5.76303325	2351	4497	2574
4701	NM_005001,NR_135539	NDUFA7	NADH:ubiquinone oxidoreductas	-1.563053681	-1.12347945	85.398151	55.514127	75.69004	5.65720815	5.02880493	5.49275009	1942	1660	2126
83479	NM_001031725,NM_001320181	DDX59	DEAD-box helicase 59	-1.405266198	-1.123524771	12.102995	8.92761	10.518408	4.80206342	4.33197089	4.64038721	1056	1004	1156
1497	NM_001031681,NM_004937	CTNS	cystinosin, lysosomal cystine tran	1.104908817	-1.123551732	1.88975	2.110659	1.570357	3.18179291	3.31058687	3.03318152	317	468	347
8737	NM_001317061,NM_003804	RIPK1	receptor interacting serine/threon	-1.013935058	-1.123593989	5.117887	5.053144	4.566577	4.51116872	4.49208242	4.35082401	856	1128	937
57226	NM_020466,NR_028493,NR_02	LYRM2	LYR motif containing 2	-1.020475416	-1.123621205	3.206914	3.159623	2.684505	4.16701728	4.13941485	4.00872756	666	872	729
57670	NM_001164665,NM_020910	KIAA1549	KIAA1549	-1.477819721	-1.123766813	1.403103	0.950932	1.172857	4.16906145	3.64330938	4.01058243	667	603	730
126003	NM_001042461,NM_001042462	TRAPPC5	trafficking protein particle comple	-1.13210237	-1.123780782	66.396482	58.467958	56.255897	5.56629422	5.39119595	5.40188676	1821	2149	1993
26097	NM_001206612,NM_001244664	CHTOP	chromatin target of PRMT1	-1.079710307	-1.123854104	44.186265	40.886995	36.848614	6.54785089	6.43843185	6.38129921	3634	4497	3977
284739	NM_001348090	C20orf204	chromosome 20 open reading fra	-1.1869219	-1.124023652	0.311622	0.259689	0.259065	0.86002952	0.75384785	0.78645063	32	36	35
26353	NM_014365	HSPB8	heat shock protein family B (sma	-1.937358509	-1.124023652	0.41027	0.214724	0.339461	0.86002952	0.50527715	0.78645063	32	22	35
51567	NM_016614	TDP2	tyrosyl-DNA phosphodiesterase 2	-1.129772989	-1.124239435	15.170379	13.447462	12.680326	4.88025587	4.71054878	4.71736241	1117	1321	1222
10733	NM_001190799,NM_001190801	PLK4	polo like kinase 4	-1.080074227	-1.124431942	20.249666	18.773925	17.044659	6.27213461	6.16249404	6.10525254	2995	3705	3276
91151	NM_033208	TIGD7	tigger transposable element deriv	-1.116299022	-1.124463232	2.435831	2.1839	2.034888	3.19389071	3.05333783	3.04408938	320	383	350
5326	NM_002657	PLAGL2	PLAG1 like zinc finger 2	1.210992837	-1.124501367	6.658106	8.074822	5.56394	5.23566562	5.50518749	5.0711259	1440	2330	1575
4350	NM_001015052,NM_001015054	MPG	N-methylpurine DNA glycosylase	1.134943804	-1.124664625	42.808071	48.286177	35.451348	5.5459881	5.72494281	5.38032669	1795	2722	1963
79832	NM_001076786	QSER1	glutamine and serine rich 1	-1.174988123	-1.124721974	8.806279	7.501743	7.356727	6.3408416	6.11129818	6.17348505	3143	3574	3437
113675	NM_001304993,NM_138432	SDSL	serine dehydratase like	1.027993636	-1.124826185	5.178452	5.324347	4.324026	2.91572639	2.95035633	2.7696269	257	353	281
283951	NM_001272051	C16orf91	chromosome 16 open reading fra	1.244601288	-1.124836609	14.593987	18.184353	12.18402	3.89793981	4.19452969	3.74022131	546	908	597
29780	NM_001003828,NM_001243385	PARVB	parvin beta	1.012708307	-1.125012547	5.394992	5.485177	4.493722	3.32434579	3.3407609	3.17224778	354	479	387
521	NM_007100,NR_033743	ATP5I	ATP synthase, H+ transporting, r	-1.293932398	-1.12513873	293.003779	227.580966	244.779028	6.71317506	6.34543779	6.54478691	4080	4213	4460
8742	NM_003809,NR_037146	TNFSF12	TNF superfamily member 12	-2.14819489	-1.125318045	2.425626	1.222493	2.089022	2.19091668	1.41062362	2.05953665	140	87	153
85451	NM_001080419,NR_038131	UNK	unkempt family zinc finger	-1.013203716	-1.125376728	19.083824	18.557149	15.330774	5.91217861	5.89356976	5.74476254	2325	3066	2541
115399	NM_198075	LRRC56	leucine rich repeat containing 56	1.006292759	-1.125730494	1.117607	1.127082	0.933229	2.01115992	2.01797632	1.88448459	119	160	130
6654	NM_005633	SOS1	SOS Ras/Rac guanine nucleotide	1.038497292	-1.125752549	6.32086	6.571709	5.275947	5.70589297	5.75936825	5.53846488	2010	2789	2196
4175	NM_005915	MCM6	minichromosome maintenance c	1.460396625	-1.125958652	28.497267	41.67041	23.788254	6.72919642	7.27127508	6.5597495	4126	8051	4507
23586	NM_014314	DDX58	DExD/H-box helicase 58	-1.635322924	-1.12597115	6.731563	4.120839	5.618095	5.00794161	4.32649813	4.84239278	1224	1000	1337
144402	NM_153634	CPNE8	copine 8	-1.262940641	-1.125982706	8.351997	6.620658	6.968253	4.86520493	4.54134004	4.70022518	1105	1169	1207
23331	NM_001145418	TTC28	tetratricopeptide repeat domain 2	1.829001325	-1.12599293	0.02218	0.044771	0.020302	0.35634914	0.59904473	0.32020933	11	27	12
653604	NM_001123375	HIST2H3D	histone cluster 2 H3 family memt	1.896385267	-1.12599293	0.583982	1.165444	0.513922	0.35634914	0.61708849	0.32020933	11	28	12

2826	NM_016602	CCR10	C-C motif chemokine receptor 10	-1.82246816	-1.12599293	0.227397	0.111158	0.176745	0.35634914	0.20477631	0.32020933	11	8	12
574406	NR_104133	ADAMTSL4-AS1	ADAMTSL4 antisense RNA 1	1.289929791	-1.12599293	0.257774	0.346944	0.22043	0.35634914	0.44594451	0.32020933	11	19	12
493900	NR_073431	TMEM9B-AS1	TMEM9B antisense RNA 1	1.063475363	-1.12599649	1.869278	1.999018	1.558703	1.55375576	1.61299082	1.4430085	76	108	83
4486	NM_001244937,NM_001318913	MST1R	macrophage stimulating 1 recept	1.118069335	-1.125997089	28.409016	31.948733	23.633523	6.95182336	7.11160519	6.78208367	4821	7202	5266
3720	NM_001267040,NM_004973	JARID2	jumonji and AT-rich interaction dc	-1.453297965	-1.12606558	2.974999	2.046267	2.483695	4.22318689	3.71835988	4.0615736	694	638	758
5994	NM_000538	RFXAP	regulatory factor X associated pr	1.505160903	-1.126270155	1.608324	2.428038	1.341541	2.44147625	2.93964205	2.30298238	174	350	190
22796	NM_001145036,NM_007357	COG2	component of oligomeric golgi co	-1.010939398	-1.126402041	12.112765	11.994035	10.106571	5.16675115	5.15149273	5.00008264	1371	1812	1497
28960	NM_001350236,NM_014026	DCPS	decapping enzyme, scavenger	-1.853551132	-1.12642643	6.395748	3.457183	5.339413	5.2001212	4.34285452	5.03330706	1404	1012	1533
27440	NM_017829,NM_033070	HDHD5	haloacid dehalogenase like hydro	1.727733233	-1.126522962	28.483849	49.350123	23.775025	5.67097747	6.44791403	5.5026688	1961	4527	2141
84971	NM_001281504,NM_032885,NR	ATG4D	autophagy related 4D cysteine pe	-1.354667789	-1.126541321	15.268062	11.481324	12.864671	4.94013441	4.51872225	4.77415178	1166	1150	1273
220979	NM_001039380,NR_126421	C10orf25	chromosome 10 open reading fra	2.002289658	-1.126712672	0.181903	0.367657	0.152513	0.64188297	1.08728891	0.58209675	22	59	24
9828	NM_014786	ARHGEF17	Rho guanine nucleotide exchang	-1.015254864	-1.126749378	8.260756	8.148623	6.891519	5.99690152	5.97540322	5.82758721	2468	3248	2694
10204	NM_001322038,NM_001322039	NUTF2	nuclear transport factor 2	1.071525853	-1.126787062	39.301393	42.610673	32.750136	6.54076391	6.63939866	6.37050671	3616	5177	3947
51714	NM_016275	SELENOT	selenoprotein T	1.107453481	-1.126921515	46.119526	51.129135	38.455475	7.30776474	7.45412946	7.13652966	6181	9146	6746
51807	NM_001193414,NM_018943	TUBA8	tubulin alpha 8	2.324373871	-1.127148478	0.671946	1.569507	0.560541	1.26358189	2.09080288	1.16514558	55	171	60
5376	NM_000304,NM_001281455,NM	PMP22	peripheral myelin protein 22	-1.415895189	-1.127257898	1.230392	0.928439	1.094725	1.69664266	1.36863803	1.57922529	88	83	96
9263	NM_004760	STK17A	serine/threonine kinase 17a	-1.289933208	-1.127309037	15.046784	11.678969	12.546903	5.87384069	5.51364037	5.70407737	2263	2344	2469
100507062	NR_038286	PSMD6-AS2	PSMD6 antisense RNA 2	1.167014049	-1.127328138	1.466439	1.708762	1.219206	2.21486103	2.39263351	2.08088	143	223	156
11162	NM_007083,NM_198041	NUDT6	nudix hydrolase 6	-1.221515316	-1.127394939	7.985638	6.58297	6.750587	3.31698997	3.05994879	3.16227031	352	385	384
83448	NM_001098614,NM_001098615	PUS7L	pseudouridylate synthase 7 like	-1.354023738	-1.127404978	2.831355	2.192115	2.364231	3.64240927	3.24537964	3.48400652	451	445	492
84246	NM_032286	MED10	mediator complex subunit 10	1.050325146	-1.127541645	19.609617	20.617495	16.338406	4.36724694	4.43473883	4.20292915	771	1082	841
25948	NM_015483	KBTBD2	kelch repeat and BTB domain co	-1.041952325	-1.127667985	19.899876	19.122448	16.58515	6.18794463	6.12948304	6.01711924	2823	3620	3079
54762	NM_001172105,NM_017577	GRAMD1C	GRAM domain containing 1C	1.00694559	-1.127810876	5.364325	5.242176	4.361792	4.26965076	4.27912189	4.10562676	718	966	783
89891	NM_052844	WDR34	WD repeat domain 34	-1.128539933	-1.127980709	77.20459	68.488518	64.319778	7.10515387	6.93203905	6.93274811	5366	6353	5851
60489	NM_001349436,NM_001349437	APOBEC3G	apolipoprotein B mRNA editing e	1.372287682	-1.127994764	18.450223	25.609218	15.415935	5.1220776	5.56740891	4.95359477	1328	2435	1448
4704	NM_005002	NDUFA9	NADH:ubiquinone oxidoreductas	-1.119964433	-1.128129847	50.626106	45.252022	42.172661	6.32763402	6.16632849	6.15599403	3114	3715	3395
23640	NM_001130106,NM_001297600	HSPBP1	HSPA (Hsp70) binding protein 1	-1.18493021	-1.128284772	31.907617	27.233663	26.840221	5.90912433	5.66874311	5.73806086	2320	2616	2529
1937	NM_001404	EEF1G	eukaryotic translation elongation	1.10443237	-1.12834567	660.671204	730.477173	550.230652	9.95175578	10.09492348	9.7777331	38841	57316	42338
23173	NM_015143	METAP1	methionyl aminopeptidase 1	-1.19663062	-1.12839802	36.941704	30.905882	30.767187	6.65310266	6.39693301	6.48066075	3912	4368	4264
51228	NM_016433	GLTP	glycolipid transfer protein	-1.230696781	-1.128402772	12.832059	10.437033	10.681881	4.92811449	4.63950051	4.75988697	1156	1255	1260
29923	NM_001098786,NM_013332	HILPDA	hypoxia inducible lipid droplet as	1.054318248	-1.128421361	6.792348	7.389592	5.723835	3.37126564	3.44039495	3.21470347	367	517	400
100130691	NR_026966	LOC100130691	uncharacterized LOC100130691	1.290370466	-1.128542241	0.782254	1.010718	0.652342	2.3142594	2.61543261	2.1765086	156	269	170
55847	NM_018464	CISD1	CDGSH iron sulfur domain 1	-1.662381967	-1.128561117	8.142866	4.903074	6.788995	4.14848821	3.46799726	3.98439467	657	528	716
23510	NM_015353,NR_110834,NR_11	KCTD2	potassium channel tetramerizatio	-1.442376067	-1.128701148	16.784254	11.64298	13.973675	5.94237097	5.42423685	5.77071509	2375	2200	2588
4833	NM_001286433,NM_001286435	NME4	NME/NM23 nucleoside diphosph	-1.098067302	-1.128703691	71.601504	63.311611	58.558077	6.2582797	6.12515529	6.08602965	2966	3609	3232
5990	NM_000635,NM_134433	RFX2	regulatory factor X2	1.102704563	-1.128712471	2.266317	2.504526	1.90533	3.33530968	3.46301778	3.1788613	357	526	389
197370	NM_145080	NSMCE1	NSE1 homolog, SMC5-SMC6 co	1.069093437	-1.12877541	55.239601	59.123207	45.992374	5.86125307	5.95604059	5.68967788	2243	3204	2444
5936	NM_001198843,NM_001198844	RBM4	RNA binding motif protein 4	1.482062598	-1.128848202	58.832907	91.543641	49.830405	6.75426196	7.31752681	6.58112647	4199	8315	4575
57210	NM_001080431,NM_001286646	SLC45A4	solute carrier family 45 member 4	1.017165568	-1.128895665	3.718753	3.797943	3.247705	4.57114104	4.59467379	4.40400834	894	1215	974
79019	NM_001002876,NM_001110215	CENPM	centromere protein M	-1.044743389	-1.129010206	17.685426	17.317713	14.899423	4.13181574	4.07233457	3.96730515	649	830	707
407043	NR_029605	MIR7-1	microRNA 7-1	-1.019030255	-1.129168921	10.697631	10.379507	8.750937	1.10178443	1.08728891	1.01060517	45	59	49
23140	NM_015113	ZZEF1	zinc finger ZZ-type and EF-hand	-1.127691986	-1.129293418	3.477602	3.086718	2.893066	5.30701783	5.13827799	5.13628808	1515	1795	1650
107984974	NM_001350575,NM_001350578	LOC107984974	uncharacterized LOC107984974	-1.035777811	-1.129571727	1.698211	1.640062	1.429842	2.40724866	2.36620557	2.26619062	169	218	184
126208	NM_001002836,NM_001351682	ZNF787	zinc finger protein 787	1.080109679	-1.129786492	20.014487	21.634655	16.079958	5.2722583	5.38067227	5.10103126	1478	2133	1609
10413	NM_001130145,NM_001195044	YAP1	Yes associated protein 1	-1.863207477	-1.129910577	19.11464	10.293248	15.930074	6.65602068	5.77049531	6.48166407	3920	2811	4267
6382	NM_001006946,NM_002997	SDC1	syndecan 1	1.195181525	-1.129959983	108.775209	129.551225	89.679497	8.41239272	8.66893268	8.23666967	13337	21298	14517
8772	NM_003824	FADD	Fas associated via death domain	1.214241871	-1.130133191	19.654121	23.901548	16.346752	5.18908339	5.46216384	5.01771306	1393	2260	1516
3614	NM_000883,NM_001102605,NM	IMPDH1	inosine monophosphate dehydro	-1.128202671	-1.130365202	15.917911	14.378264	13.071872	5.27035534	5.10110034	5.09841735	1476	1748	1606
9704	NM_014681	DHX34	DExH-box helicase 34	1.063383711	-1.13041766	14.544246	15.48373	12.088958	5.97545281	6.06275147	5.80157562	2431	3454	2645
100506060	NR_033959	SMG1P7	SMG1P7, nonsense mediated ml	-1.419855437	-1.130464588	12.423471	8.753916	10.319908	4.57731129	4.09665142	4.40823586	898	845	977
60558	NM_001345867,NM_001345868	GUF1	GUF1 homolog, GTPase	1.159324685	-1.130807908	13.198684	15.342293	10.986717	5.78266256	5.99235095	5.60872295	2122	3287	2308
8721	NM_001281297,NM_001281298	EDF1	endothelial differentiation related	-1.058404666	-1.130827926	348.37055	328.055191	288.406434	7.92194234	7.84039747	7.74533877	9482	11970	10313
25873	NM_015414,NM_033643	RPL36	ribosomal protein L36	-1.239673567	-1.130880456	1036.883663	836.688332	862.130512	8.7921584	8.48297578	8.61513662	17365	18716	18886
84310	NM_001134395,NM_001134396	C7orf50	chromosome 7 open reading fran	-1.14948674	-1.13099065	28.400641	24.673886	24.215373	5.22489744	5.02964715	5.0523404	1429	1661	1554
7775	NM_001320952,NM_001320953	ZNF232	zinc finger protein 232	-1.054534131	-1.131020553	2.849619	2.716172	2.367234	2.64317467	2.57907432	2.49540988	206	261	224
8711	NM_001251902,NM_003985	TNK1	tyrosine kinase non receptor 1	1.468756664	-1.131129625	4.3144	6.361778	3.58725	3.72809498	4.24761625	3.56449618	481	944	523
253725	NM_001169106,NM_001169107	WASHC2C	WASH complex subunit 2C	-1.483757846	-1.131283205	7.265739	4.855779	6.022626	5.08791068	4.53897585	4.91549289	1296	1167	1409
51142	NM_001320327,NM_016139	CHCHD2	coiled-coil-helix-coiled-coil-helix c	-1.302867823	-1.131355063	254.634063	195.670507	211.51227	7.90410426	7.52423154	7.72684115	9365	9604	10181
50618	NM_001348181,NM_001348182	ITSN2	intersectin 2	-1.234607268	-1.131467174	8.369736	6.819098	6.969591	5.75435052	5.45653796	5.57965517	2080	2251	2261
7525	NM_005433	YES1	YES proto-oncogene 1, Src famil	1.132538814	-1.131501346	21.756348	24.668833	18.068434	6.64761539	6.82549553	6.47126268	3897	5897	4236
80139	NM_025069	ZNF703	zinc finger protein 703	1.241729989	-1.131572717	6.91495	8.603528	5.742573	4.5587208	4.85913858	4.38840055	886	1470	963
25988	NM_001243259,NM_001351957	HINFP	histone H4 transcription factor	-1.589773079	-1.131620634	10.328391	6.424413	8.762678	4.61228705	3.97774828	4.44161737	921	774	1001
64426	NM_022491	SUDS3	SDS3 homolog, SIN3A corepress	-1.284250896	-1.131652556	28.223923	21.998604	23.437643	7.03263119	6.67482436	6.85564592	5101	5307	5544
64127	NM_001293557,NM_022162	NOD2	nucleotide binding oligomerizatio	-3.014536448	-1.131814996	0.606043	0.19692	0.501713	1.86749926	0.90836632	1.73991364	104	46	113
7799	NM_001007257,NM_001135610	PRDM2	PR/SET domain 2	-1.008920529	-1.131857294	7.420888	6.900502	6.341586	5.4373936	5.42487721	5.26307232	1662	2201	1806
51608	NM_015949	GET4	golgi to ER traffic protein 4	-1.231384632	-1.131869263	63.190857	51.370434	52.464489	7.01654388	6.71883131	6.83930098	5044	5473	5481
100289361	NR_034032	LOC100289361	uncharacterized LOC100289361	-1.011441822	-1.131892864	3.394733	3.36252	2.80877	1.61502061	1.60397149	1.4969322	81	107	88
55107	NM_018043,NR_030691	ANO1	anoctamin 1	-1.566493757	-1.131919704	67.124982	43.002913	56.066336	8.29046811	7.64552993	8.11230249	12253	10451	13314
29102	NM_001100412,NM_013235	DROSHA	drosha ribonuclease III	1.307745688	-1.13203956	8.635261	11.269681	7.149535	5.53493448	5.91469537	5.3601012	1781	3112	1935
390	NM_001254738,NM_005168	RND3	Rho family GTPase 3	-1.169532804	-1.132231446	32.251928	27.055561	26.681991	6.44616075	6.22302312	6.26917183	3384	3866	3676
100506668	NR_038854	NRAV	negative regulator of antiviral res	1.464410969	-1.132424279	2.561688	3.750965	2.126446	2.52045395	2.98897501	2.37386535	186	364	202
22913	NM_007367,NM_016732	RALY	RALY heterogeneous nuclear rib	1.118554547	-1.132462443	37.100512	41.584952	30.828819	7.43659189	7.59734697	7.25822826	6762	10106	7344
283927	NM_001105663,NM_001243657	NUDT7	nudix hydrolase 7	-1.105446026	-1.132549014	3.964697	3.634404	3.299479	2.36507395	2.24959721	2.22204636	163	197	177
55605	NM_001173463,NM_001173464	KIF21A	kinesin family member 21A	-1.362809028	-1.132662518	5.919915	4.349718	4.910904	5.27320884	4.8400608	5.09841735	1479	1450	1606
10636	NM_006480	RGS14	regulator of G protein signaling 1	-1.52125938	-1.132755087	6.33595	4.163584	5.253962	3.98637962	3.42767171	3.81854297	583	512	633
253152	NM_173567	EPHX4	epoxide hydrolase 4	1.334816423	-1.132766314	4.432463	5.934566	3.67212	2.85607368	3.22198991	2.70236404	245	437	266
8877	NM_001142601,NM_001142602	SPHK1	sphingosine kinase 1	-1.21890002	-1.132791332	5.210034	4.409019	4.268223	3.43381096	3.17708507	3.27149895	385	422	418
157697	NM_001303100,NM_207332	ERICH1	glutamate rich 1	1.211041043	-1.132908334	8.181168	9.221284	6.936595	3.98869623	4.24906335	3.82065902	584	945	634
8928	NM_003923	FOXH1	forkhead box H1	1.0860304	-1.132992761	0.97366	1.068348	0.814097	1.62696745	1.70865125	1.50747923	82	119	89
92797	NM_033647,NR_135080,NR_13	HELB	DNA helicase B	-1.172347898	-1.133166361	0.963692	0.791156	0.795441	2.09955541	1.92688293	1.96321628	129	147	140
221710	NM_001135575	SMIM13	small integral membrane protein	-1.073106264	-1.133189643	2.547819	2.375904	2.113194	3.65995838	3.56646274	3.49464812	457	569	496
8347	NM_003526	HIST1H2BC	histone cluster 1 H2B family mem	1.100145054	-1.133496086	11.93751	13.145288	9.868974	2.60744196	2.72348335	2.45783582	200	294	217
138050	NM_152419	HGSNAT	heparan-alpha-glucosaminide N-	-1.455561702	-1.133525384	18.523092	12.739957	15.357306	6.57045277	6.03575691	6.39165578	3692	3389	4006
100272147	NM_001018024	CMC4	C-X9-C motif containing 4	-1.031745954	-1.133538487	10.302048	10.004662	8.553807	3.4839374	3.44292618	3.32017262	400	518	434
266977	NM_025048,NM_153840	ADGRF1	adhesion G protein-coupled rece	-1.083424261	-1.133576792	46.554095	43.128859	39.6066	7.87669215	7.76160445	7.69662739	9188	11331	9969
284565	NM_001170755,NM_173638	NBPF15	NBPF member 15	1.095775077	-1.133636112	14.19828	15.272946	11.582524	5.97895271	6.10890925	5.80103986	2437	3568	2644
100170841	NM_001130677	EPOP	elongin BC and polycomb repres	-1.440187931	-1.133652777	5.146358	3.576001	4.26832	4.10430518	3.61440811	3.93446197	636	590	690
55911	NM_018690	APOBR	apolipoprotein B receptor	-1.176397135	-1.133702565	0.811426	0.688681	0.673927	2.00201503	1.82964782	1.86820921	118	134	128
124739	NM_001267576,NM_153210	USP43	ubiquitin specific peptidase 43	-1.379947464	-1.133713485	4.147942	3.007848	3.431351	4.15469105	3.72044785	3.98439467	660	639	716
25803	NM_001252294,NM_012391	SPDEF	SAM pointed domain containing I	-7.548560965	-1.133904578	0.163885	0.020482	0.125318	0.38477185	0.05398282	0.34394329	12	2	13
280	NM_020978	AMY2B	amylase, alpha 2B (pancreatic)	1.608413567	-1.133980534	4.690701	7.552139	3.880577	3.49049124	4.12687582	3.32614297	402	864	436
329	NM_001166,NM_001256163,NM	BIRC2	baculoviral IAP repeat containing	-1.408174272	-1.133989296	16.284464	11.572827	13.488632	5.93578265	5.4515187	5.75752106	2364	2243	2564
8454	NM_003592	CUL1	cullin 1	-1.183697241	-1.134022361	21.394449	18.095947	17.73118	6.08452478	5.84511405	5.90591399	2625	2963	2847
89894	NM_001193453,NM_001193531	TMEM116	transmembrane protein 116	-1.342932348	-1.134316431	3.269749	2.37553	2.681312	2.54584744	2.20257223	2.39673966	190	189	206
11214	NM_001270546,NM_006738,NM	AKAP13	A-kinase anchoring protein 13	-1.127360424	-1.134340413	5.429461	5.390766	5.778724	6.15841002	5.98802432	5.97925949	2765	3277	2998
468	NM_001675,NM_182810	ATF4	activating transcription factor 4	1.207418562	-1.134364285	808.812835	994.158967	698.057968	10.25906251	10.53078669	10.07733622	48071	77551	52121
9406	NM_005455,NM_203350	ZRANB2	zinc finger RANBP2-type contain	1.217710213	-1.134576543	43.995949	53.754014	36.68574	7.07957236	7.36184017	6.89884903	5271	8576	5714
100132057	NR_111930,NR_111930_dup1	LOC100132057	phosphodiesterase 4D interacting	-1.45463322	-1.134610985	0.415364	0.283545	0.33918	0.68823103	0.50527715	0.62147005	24	22	26
64848	NM_001345975,NM_001345976	YTHDC2	YTH domain containing 2	-1.007230477	-1.134692736	14.484602	14.502296	12.067664	6.48565198	6.47537422	6.30551091	3479	4615	3771

163087	NM_001345947,NM_001345948	ZNF383	zinc finger protein 383	-1.470695788	-1.134822925	4.653489	3.122555	3.859615	3.42357323	2.92884759	3.25906955	382	347	414
197322	NM_001127214,NM_001243279	ACSF3	acyl-CoA synthetase family mem	1.379901933	-1.134935648	6.065612	8.092565	4.172415	4.26774435	4.71159881	4.09517603	717	1322	777
8701	NM_001277115	DNAH11	dynein axonemal heavy chain 11	-1.345729723	-1.134944959	0.517485	0.3839	0.427996	3.00082115	2.63327382	2.84224948	275	273	298
102723166	NR_110370	STAM-AS1	STAM antisense RNA 1 (head to	-1.027735586	-1.135038418	0.595506	0.579428	0.492168	1.33814853	1.31437719	1.23026757	60	78	65
4665	NM_001330305,NM_005967	NAB2	NGFI-A binding protein 2	1.167453036	-1.135184201	7.545672	8.689733	5.995713	4.31651022	4.52948015	4.14331116	743	1159	805
5356	NM_001201564,NM_002669	PLRG1	pleiotropic regulator 1	1.2168532	-1.135250111	20.004694	24.364816	16.550912	6.05221726	6.33150339	5.87213616	2566	4172	2780
79892	NM_001256378,NM_001256379	MCMBP	minichromosome maintenance c	1.093632649	-1.135318644	16.80997	18.39972	13.910352	6.15583539	6.28323493	5.97546577	2760	4033	2990
79668	NM_001178055,NM_001178056	PARP8	poly(ADP-ribose) polymerase fan	1.250300996	-1.135461562	6.523412	8.171598	5.406891	5.54283855	5.85892233	5.36373375	1791	2992	1940
64750	NM_022739	SMURF2	SMAD specific E3 ubiquitin prote	-2.057957038	-1.135737204	38.426151	18.690588	31.793724	7.18636607	6.15556624	7.00407706	5679	3687	6150
55012	NM_001305155,NM_001305156	PPP2R3C	protein phosphatase 2 regulatory	-1.039448342	-1.135858281	5.88621	5.75793	4.988487	3.66576097	3.61440811	3.4972963	459	590	497
100288142	NM_001278267	NBPF20	NBPF member 20	-2.772186328	-1.135920591	0.608864	0.219873	0.504159	3.51962058	2.255369	3.35270793	411	198	445
800	NM_004342,NM_033138,NM_03	CALD1	caldesmon 1	1.238240379	-1.135951902	8.333689	10.260614	6.96677	5.16162707	5.46216384	4.98317903	1366	2260	1479
29964	NM_013397	PRICKLE4	prickle planar cell polarity protein	-2.002482486	-1.136156278	11.353086	5.675794	9.389841	4.26392396	3.33532144	4.08992214	715	477	774
55626	NM_001267782,NM_001267783	AMBRA1	autophagy and beclin 1 regulator	-1.357940715	-1.136441776	11.266291	8.212471	9.408029	5.81826596	5.3859437	5.63721662	2176	2141	2355
8416	NM_003668	ANXA9	annexin A9	-1.576150543	-1.136452459	15.344387	9.737502	12.680588	4.82038759	4.19302682	4.64278115	1070	907	1158
7436	NM_001018056,NM_001322225	VLDLR	very low density lipoprotein recep	2.341105923	-1.136473252	0.301568	0.71036	0.24619	1.35261029	2.21447295	1.24294651	61	191	66
7342	NM_001128160,NM_001128161	UBP1	upstream binding protein 1 (LBP-	1.144231599	-1.136606024	15.156826	17.445559	12.478318	5.94237097	6.13379784	5.7608309	2375	3631	2570
10478	NM_001282726,NM_001282727	SLC25A17	solute carrier family 25 member	1.123851059	-1.136805838	25.036712	28.266995	21.072018	5.81631087	5.98194516	5.63481342	2173	3263	2351
51103	NM_016013,NR_045620	NDUFAF1	NADH:ubiquinone oxidoreductas	-1.120549716	-1.136852079	12.699346	11.459825	10.553277	4.29794868	4.14253265	4.12287815	733	874	793
755	NM_001271440,NM_001271441	C21orf2	chromosome 21 open reading fra	-1.669880837	-1.136875325	4.86216	3.000654	4.085701	3.60967076	2.94679374	3.44063736	440	352	476
134145	NM_001258388,NM_001258389	FAM173B	family with sequence similarity 17	1.005641206	-1.137000359	3.467697	3.500549	2.881281	3.32800968	3.33532144	3.16227031	355	477	384
134430	NM_139281	WDR36	WD repeat domain 36	-1.019050201	-1.137087778	10.789455	10.598281	8.915464	6.13454836	6.1077133	5.95200904	2719	3565	2941
157574	NM_001258211,NM_172366	FBXO16	F-box protein 16	-1.262296904	-1.137156159	1.671331	1.314646	1.366807	1.67378945	1.45142181	1.5489128	86	91	93
100507266	NR_037888	STX18-AS1	STX18 antisense RNA 1 (head to	1.49543595	-1.137217126	0.389075	0.584459	0.322272	0.95786335	1.26944952	0.87055986	37	74	40
26147	NM_001009936,NM_001286840	PHF19	PHD finger protein 19	-1.408800818	-1.137487529	54.674691	57.236038	58.779673	6.63989799	6.15131615	6.4560292	3876	3676	4191
1070	NM_001297765,NM_001297768	CETN3	centrin 3	-1.379454365	-1.137757915	43.267166	31.387913	35.66675	5.87133194	5.41653033	5.68851969	2259	2188	2442
56901	NM_020142	NDUFA4L2	NDUFA4, mitochondrial complex	-1.077162126	-1.138123576	0.542715	0.498254	0.440447	0.71085839	0.669904	0.64076093	25	31	27
10061	NM_005692,NM_007189	ABCF2	ATP binding cassette subfamily F	-1.053745697	-1.138264719	12.655227	12.097373	10.64361	5.83252285	5.75835243	5.64917295	2198	2787	2375
79058	NM_001251888,NM_001330528	ASPSCR1	ASPSCR1, UBX domain containi	1.017155454	-1.138327849	25.508225	25.901687	20.942789	5.5514833	5.57550598	5.36880401	1802	2449	1947
138428	NM_001002913,NM_001345977	PTRH1	peptidyl-tRNA hydrolase 1 homol	-1.111011177	-1.138365466	7.43716	6.618301	6.129249	3.15728865	3.0232078	2.99246523	311	374	336
389641	NR_033928	LOC389641	uncharacterized LOC389641	1.066132671	-1.138546628	2.813353	3.001077	2.31939	2.6780437	2.75641772	2.52166171	212	302	229
127002	NM_001350174,NM_001350175	ATXN7L2	ataxin 7 like 2	1.129679645	-1.138588327	4.167315	4.958816	3.584892	3.56068436	3.7225328	3.39023607	424	640	458
7039	NM_001099691,NM_001308158	TGFA	transforming growth factor alpha	1.560509404	-1.138792012	37.301348	58.504699	30.859465	7.30869218	7.9474459	7.12244674	6185	12896	6680
483	NM_001679	ATP1B3	ATPase Na+/K+ transporting sub	1.230842971	-1.139042661	102.302551	126.066101	84.406578	7.56962894	7.86785453	7.38285969	7419	12201	8011
101927181	NR_108066	LOC101927181	uncharacterized LOC101927181	-1.202097309	-1.139216573	0.792307	0.654617	0.650658	1.38110603	1.22307764	1.26797492	63	70	68
25929	NM_001252156,NM_015465	GEMIN5	gem nuclear organelle associate	1.167532333	-1.139222661	9.118409	10.658118	7.521194	5.61434375	5.83358571	5.43037665	1884	2939	2034
126074	NM_175871	SWSAP1	SWIM-type zinc finger 7 associat	1.169618398	-1.139270094	2.362373	2.776961	1.949624	2.27683528	2.45916281	2.1294865	151	236	163
375248	NM_001164315	ANKRD36	ankyrin repeat domain 36	-1.272289529	-1.139334272	6.820925	5.366833	5.62729	5.41431354	5.07604389	5.23081505	1635	1717	1765
8570	NM_003685	KHSRP	KH-type splicing regulatory prote	1.193832353	-1.139461722	43.793369	52.341599	36.11742	7.1250342	7.37895999	6.93811829	5441	8679	5873
5578	NM_002737	PRKCA	protein kinase C alpha	-1.071258459	-1.139508815	9.734729	9.097347	8.029485	6.39468041	6.29659183	6.20865166	3264	4071	3523
140461	NM_001319296,NM_001319297	ASB8	ankyrin repeat and SOCS box co	-1.090245904	-1.139523277	6.38583	5.875223	5.237934	4.11918371	4.00198255	3.94225731	643	788	694
23132	NM_001322253,NM_001322256	RAD54L2	RAD54-like 2 (S. cerevisiae)	1.115819853	-1.139533652	2.430465	2.715397	2.003314	4.63020414	4.7822652	4.44984345	933	1391	1007
10456	NM_001018837,NM_006118	HAX1	HCLS1 associated protein X-1	-1.099081149	-1.139601516	73.025458	66.237217	59.814185	6.39074431	6.25614433	6.20460629	3255	3957	3513
283254	NM_173811	HARBI1	harbinger transposase derived 1	1.115977587	-1.139783323	1.942499	2.186473	1.612355	1.96484452	2.08433212	1.8266989	114	170	123
646851	NM_001013647,NM_001291030	FAM227A	family with sequence similarity 22	2.323599423	-1.139834463	1.756898	4.095562	1.448175	4.22711655	5.39903863	4.08999377	896	2161	751
6130	NM_000972	RPL7A	ribosomal protein L7a	-1.02178363	-1.139880888	1888.250366	1850.019531	1556.65979	10.67026634	10.59595576	10.48826617	64238	84000	69313
79882	NM_001160103,NM_001160104	ZC3H14	zinc finger CCCH-type containing	1.252271136	-1.139972988	23.75839	29.666364	19.388134	6.56386469	6.88534475	6.37699189	3675	6149	3965
7782	NM_001321036,NM_013309	SLC30A4	solute carrier family 30 member 4	-1.098946554	-1.139981167	0.968321	0.961436	0.725827	2.83562844	2.71931318	2.67455554	241	293	260
56942	NM_001351967,NM_001351968	CMC2	C-X9-C motif containing 2	-1.367744299	-1.140051493	73.744987	54.709575	63.276331	5.91766008	5.47458779	5.73189018	2334	2280	2518
10256	NM_001297647,NM_001297648	CNKSR1	connector enhancer of kinase su	-1.05370431	-1.140213267	20.261028	19.259046	16.700325	5.6774542	5.60349311	5.49208641	1970	2498	2125
9946	NM_145858	CRYZL1	crystallin zeta like 1	-1.61568415	-1.140323525	11.478411	7.111389	9.460429	4.33118941	3.68239411	4.15174023	751	621	810
4084	NM_001202513,NM_001202514	MXD1	MAX dimerization protein 1	-1.006889454	-1.140457084	6.351614	6.316351	5.234233	5.15957233	5.14994432	4.97560227	1364	1810	1471
3227	NM_014212	HOXC11	homeobox C11	-1.707605179	-1.140616724	2.296234	1.340521	1.889945	2.47491059	1.87534115	2.32103228	179	140	193
153743	NM_206858	PPP1R2P3	protein phosphatase 1 regulatory	1.207302992	-1.140697015	0.154868	0.200583	0.133825	0.41264541	0.48576948	0.36729312	13	21	14
389860	NM_001015038	PAGE2B	PAGE family member 2B	-2.150633409	-1.140697015	0.649001	0.308687	0.512136	0.41264541	0.20477631	0.36729312	13	8	14
56124	NM_018932	PCDHB12	protocadherin beta 12	-1.021559294	-1.140697015	0.096723	0.097403	0.08086	0.41264541	0.40498891	0.36729312	13	17	14
29907	NM_013306,NM_147777	SNX15	sorting nexin 15	-1.297909401	-1.140792996	14.999727	11.443486	12.191213	4.84361034	4.48227194	4.66061022	1088	1120	1173
8554	NM_001320687,NM_016166	PIAS1	protein inhibitor of activated STA	-1.050332867	-1.140799844	8.454503	8.059448	6.966554	5.59318572	5.52383844	5.40732977	1856	2361	2001
56834	NM_001170726,NM_001170880	GPR137	G protein-coupled receptor 137	1.032852688	-1.140845813	12.085523	12.495432	9.918814	4.53514067	4.5798	4.35374951	871	1202	939
92979	NM_138396	MARCH9	membrane associated ring-CH-ty	-1.539631255	-1.140996476	10.008075	6.504226	8.242072	4.91111656	4.31410799	4.72754788	1142	991	1231
80728	NM_001308207,NM_001308208	ARHGAP39	Rho GTPase activating protein 3	1.356553686	-1.141015272	2.651746	3.59458	2.187767	3.71136013	4.12414544	3.53644652	475	861	512
7343	NM_001076683,NM_001076684	UBTF	upstream binding transcription fa	1.50956928	-1.141031746	16.966129	26.390138	14.239173	6.32991983	6.91800682	6.14210075	3119	6291	3362
84287	NM_001287803,NM_001287804	ZDHHC16	zinc finger DHHC-type containing	-1.185555565	-1.141083406	19.527436	15.552422	15.842329	5.11679207	4.8789024	4.93222525	1323	1491	1426
81688	NM_030939	C6orf62	chromosome 6 open reading fran	-1.013760998	-1.141104852	31.942919	31.548054	26.307329	6.28350096	6.2640388	6.09567311	3019	3979	3254
28956	NM_001145264,NM_014017	LAMTOR2	late endosomal/lysosomal adapto	-1.334404064	-1.14114333	60.85974	45.870176	50.099082	5.3670153	4.96243097	5.18144687	1581	1583	1704
10237	NM_001278784,NM_005827	SLC35B1	solute carrier family 35 member B	1.108381706	-1.141165591	42.368891	46.964333	34.941123	6.06928257	6.21564068	5.88179555	2597	3846	2799
9466	NM_004843	IL27RA	interleukin 27 receptor subunit al	-1.275983237	-1.141272967	4.180014	3.277544	3.441927	3.56379523	3.24537964	3.39023607	425	445	458
64940	NR_040585,NR_040586	STAG3L4	stromal antigen 3-like 4 (pseudog	-1.633947999	-1.141361171	5.807691	3.557766	4.786966	3.71696001	3.07634485	3.54158719	477	390	514
493911	NM_001008489,NM_001199285	PHOSPHO2	phosphatase, orphan 2	1.775629614	-1.141381154	3.012986	5.428055	2.530672	2.20692365	2.89227137	2.05953665	142	337	153
100129196	NR_034182	MATN1-AS1	MATN1 antisense RNA 1	1.043558869	-1.141381154	1.808609	1.891904	1.491325	2.20692365	2.255369	2.05953665	142	198	153
23163	NM_001172703,NM_001172704	GGA3	golgi associated, gamma adaptin	-1.253166433	-1.141528959	35.427695	28.398863	29.057954	7.09631899	6.77340039	6.90683866	5333	5686	5746
55757	NM_020121	UGGT2	UDP-glucose glycoprotein glucos	1.126475396	-1.141609898	5.690552	6.420632	4.687072	4.8242841	4.99038671	4.64038721	1073	1615	1156
100506215	NR_038879,NR_038880	PAXBP1-AS1	PAXBP1 antisense RNA 1	2.299309955	-1.141617829	0.294826	0.670143	0.235825	0.99521185	1.71704117	0.90287695	39	120	42
144097	NM_138471	C11orf84	chromosome 11 open reading fra	1.408397316	-1.141641928	14.763014	20.831398	12.154661	4.92206677	5.40229387	4.73766195	1151	2166	1240
9726	NM_014699	ZNF646	zinc finger protein 646	1.135199689	-1.141649537	4.139546	4.704759	3.407543	4.70255223	4.8789024	4.51923721	983	1491	1059
148327	NM_001255978,NM_001255979	CREB3L4	cAMP responsive element bindin	1.128783894	-1.141650573	9.017315	10.303368	7.522312	4.04320744	4.20798559	3.86439381	608	917	655
285761	NM_173674	DCBLD1	discoidin, CUB and LCCL domain	-1.145175408	-1.141677532	3.161325	2.765552	2.601297	2.86114003	2.69403583	2.69776636	246	287	265
441072	NR_102755	FLJ31104	uncharacterized LOC441072	1.194216829	-1.141733779	0.587065	0.707031	0.484072	1.21691895	1.36863803	1.11084509	52	83	56
730394	NM_001042490	GTF2H2C_2	GTF2H2 family member C, copy	1.024833846	-1.14174182	14.653138	15.034617	12.052809	4.74016226	4.77424718	4.55653526	1010	1383	1088
6944	NM_001271087,NM_001271088	VPS72	vacuolar protein sorting 72 homo	-1.163258892	-1.141818168	32.666349	28.117747	26.905189	5.63962535	5.42615707	5.45237894	1918	2203	2066
80184	NM_025114	CEP290	centrosomal protein 290	-1.383409074	-1.141916859	6.824387	4.939884	5.617279	5.75162493	5.29359953	5.56395161	2076	2005	2236
10401	NM_006099	PIAS3	protein inhibitor of activated STA	1.148554199	-1.14198544	24.341604	27.997253	20.032522	6.12510269	6.32225302	5.93648189	2701	4145	2909
54475	NM_001014445,NM_018096	NLE1	notchless homolog 1	1.457709943	-1.142147711	9.556565	14.230078	8.016131	4.69263929	5.21876673	4.5087761	976	1901	1051
11234	NM_007216,NM_181507,NM_18	HPS5	HPS5, biogenesis of lysosomal o	-1.550144259	-1.142166864	15.054614	9.49945	11.99879	6.1214126	5.50033494	5.93257384	2694	2322	2901
94239	NM_012412,NM_138635,NM_20	H2AFV	H2A histone family member V	-1.326062386	-1.142388151	48.223203	37.631942	39.444043	6.93059262	6.52728454	6.74021788	4750	4786	5114
7844	NM_001198951,NM_001198952	RNF103	ring finger protein 103	1.102125838	-1.142765405	15.355568	16.815926	12.822824	5.70307419	5.84080171	5.51448193	2006	2954	2159
8193	NM_001135155,NM_001135156	DPF1	double PHD fingers 1	1.805068404	-1.142771316	1.019001	1.84784	0.841319	1.74129091	2.38738651	1.60891398	92	222	99
54986	NM_001322500,NM_001322501	ULK4	unc-51 like kinase 4	-1.302597523	-1.142884539	0.439256	0.33755	0.360843	1.59082596	1.34717796	1.46482043	79	81	85
56674	NM_001286094,NM_001286095	TMEM9B	TMEM9 domain family member B	-5.42210608	-1.143165755	33.763056	6.167249	26.322822	6.08289937	3.73497962	5.89289991	2622	646	2821
93664	NM_001009571,NM_001167940	CADPS2	calcium dependent secretion acti	-4.350965335	-1.143177447	2.551243	0.584284	2.096823	3.97940737	2.13530335	3.79935756	580	178	624
51335	NM_001033088,NR_028052	NGRN	neugrin, neurite outgrowth assoc	-1.019413251	-1.143237884	60.854423	60.095593	49.32117	6.66437729	6.63691362	6.47328171	3943	5168	4242
284390	NM_001012753	ZNF763	zinc finger protein 763	1.298566381	-1.14327744	0.524928	0.684175	0.430218	1.23264156	1.4614436	1.12461302	53	92	57
692072	NR_003033	SNORD5	small nucleolar RNA, C/D box 5	-1.753475647	-1.143400524	61.469948	34.941555	50.454578	2.4278825	1.80624674	2.27238811	172	131	185
51004	NM_182476,NM_182480	COQ6	coenzyme Q6, monooxygenase	1.035370142	-1.143454909	15.336021	15.910355	12.606044	4.63907992	4.68725264	4.45393896	939	1299	1010
23197	NM_014613	FAF2	Fas associated factor family mem	1.105457889	-1.143479102	48.051201	53.174438	39.488361	7.7294977	7.8734949	7.53703992	8293	12249	8920
26273	NM_012175,NM_033406	FBXO3	F-box protein 3	-1.114233122	-1.143581952	11.51058	10.159315	9.870216	4.60173173	4.45243375	4.41665393	914	1096	983
84993	NM_001286739,NM_001286740	UBL7	ubiquitin like 7	1.072725932	-1.143644017	19.616411	20.870378	16.104543	4.84232994	4.94020727	4.6558773	1087	1558	1169
64858	NM_001319946,NM_001319947	DCLRE1B	DNA cross-link repair 1B	1.060269338	-1.143667116	3.562053	3.723789	2.877871	3.79050499	3.86901329	3.61169701	504	714	542
57664	NM_001161354,NM_020904	PLEKHA4	pleckstrin homology domain cont	-1.260904517	-1.143817864	2.711947	2.22456	2.249409	3.18986937	2.89597101	3.0185082	319	338	343

118924	NM_001347712,NM_001347713	FRA10AC1	FRA10A associated CGG repeat	-1.623340703	-1.143870027	7.557508	4.688604	6.247652	4.58651747	3.92440495	4.40118309	904	744	972
159195	NM_001320437,NM_001320441	USP54	ubiquitin specific peptidase 54	-2.612925242	-1.143881365	8.999235	3.318444	7.375816	5.72269098	4.38031337	5.53266778	2034	1040	2187
54878	NM_001320875,NM_001320876	DPP8	dipeptidyl peptidase 8	-1.39768588	-1.143998787	5.69316	4.142026	4.729046	5.3934833	4.92399154	5.20431761	1611	1540	1732
3189	NM_001322434,NM_001322436	HNRNPH3	heterogeneous nuclear ribonucle	-1.317649572	-1.144022102	152.091249	114.792762	124.051916	8.45824946	8.06158156	8.2647235	13769	13962	14803
24145	NM_015368	PANX1	pannexin 1	-1.010848295	-1.144150412	13.361279	13.235342	10.971281	5.21008282	5.19493791	5.02139743	1414	1869	1520
148113	NM_153221	CILP2	cartilage intermediate layer prote	-1.06683236	-1.144201673	0.665707	0.62253	0.547051	1.89739865	1.82964782	1.75769337	107	134	115
8517	NM_001099856,NM_001099857	IKBKG	inhibitor of nuclear factor kappa E	1.010722604	-1.144348927	12.982074	13.163469	10.69258	4.87149524	4.88636082	4.68404466	1110	1499	1193
552891	NM_004125	DNAJC25-GNG10	DNAJC25-GNG10 readthrough	-1.798059653	-1.144425455	0.461938	0.255348	0.376861	0.7550755	0.46599441	0.6785857	27	20	29
2967	NM_001271866,NM_001271867	GTF2H3	general transcription factor IIH su	-1.026892572	-1.144481572	12.231842	11.931252	10.050995	5.37854443	5.34118895	5.18883779	1594	2074	1713
51808	NM_032177	PHAX	phosphorylated adaptor for RNA	1.020087209	-1.14449444	12.603784	12.873582	10.349989	5.51417891	5.54225135	5.32400962	1755	2392	1886
25937	NM_001168278,NM_001168280	WWTR1	WW domain containing transcript	1.204768168	-1.144514503	30.450405	36.439007	24.836721	7.22691512	7.49403735	7.03356651	5842	9404	6278
2356	NM_001018078,NM_001288803	FPGS	folylpolyglutamate synthase	1.034804656	-1.145247224	31.620032	32.737213	25.903011	6.16917354	6.21785938	5.97641514	2786	3852	2992
57730	NM_025190	ANKRD36B	ankyrin repeat domain 36B	-1.339206365	-1.145373861	5.621076	4.203502	4.613911	5.07815362	4.67115044	4.88851253	1287	1284	1382
374395	NM_199337	TMEM179B	transmembrane protein 179B	1.031125802	-1.145384452	34.658607	35.779659	28.431807	5.17796048	5.22098063	4.98789438	1382	1904	1484
580	NM_000465,NM_001282543,NM	BARD1	BRCA1 associated RING domain	1.035883445	-1.145554532	8.966627	9.367813	7.621667	5.57557074	5.62538694	5.38390874	1833	2537	1968
402055	NM_001013694	SRRD	SRR1 domain containing	1.494207565	-1.145569989	28.838425	43.151817	23.666529	5.22194666	5.78852012	5.0314812	1426	2847	1531
3305	NM_005527	HSPA1L	heat shock protein family A (Hsp7	-1.439950273	-1.145619718	0.422379	0.292273	0.343387	1.03161781	0.7861039	0.93448595	41	38	44
23177	NM_001319100,NM_001319101	CEP68	centrosomal protein 68	1.641201615	-1.145658757	2.42712	4.011169	2.017533	3.89300127	4.56941219	3.71085992	544	1193	584
6158	NM_000991,NM_001136134,NM	RPL28	ribosomal protein L28	-1.375257377	-1.146099637	152.633424	120.526722	157.401713	8.84313812	8.38461163	8.64686323	17991	17479	19307
54520	NM_019044	CCDC93	coiled-coil domain containing 93	1.25514041	-1.146191751	10.439329	13.114908	8.558081	6.15841002	6.48215837	5.96450295	2765	4637	2967
9470	NM_001276336,NM_001276337	EIF4E2	eukaryotic translation initiation fa	1.254719719	-1.146193703	66.711288	81.201033	57.120648	6.34942974	6.67320833	6.15515581	3162	5301	3393
11091	NM_017588,NM_052821	WDR5	WD repeat domain 5	1.045660206	-1.146240991	32.257766	33.354226	26.135356	6.62471065	6.68848798	6.42993057	3835	5358	4115
8552	NR_024616	INE1	inactivation escape 1 (non-protei	-1.207068412	-1.1463642	5.346194	4.414639	4.369978	2.64317467	2.41858604	2.47942639	206	228	221
23248	NM_001297673,NM_001297674	RPRD2	regulation of nuclear pre-mRNA d	-2.751543591	-1.146398895	5.716508	2.123892	4.720275	5.54834575	4.14097459	5.35573003	1798	873	1929
8641	NM_003736,NM_032098	PCDHGB4	protocadherin gamma subfamily	-1.858298909	-1.146592043	0.148179	0.079081	0.118275	0.43999062	0.25173066	0.39027104	14	10	15
162514	NM_001258205,NM_145068	TRPV3	transient receptor potential cation	3.933586542	-1.146592043	0.055663	0.23538	0.047796	0.43999062	1.26944952	0.39027104	14	74	15
440804	NM_001128635,NM_001128635	RIMBP3B	RIMS binding protein 3B	2.129748427	-1.146592043	0.066916	0.14364	0.051693	0.43999062	0.81765451	0.39027104	14	40	15
728558	NR_038444,NR_134320,NR_134	ENTPD1-AS1	ENTPD1 antisense RNA 1	-1.038897293	-1.146592043	0.195341	0.289147	0.132501	0.43999062	0.42561204	0.39027104	14	18	15
677776	NR_003009	SCARNA8	small Cajal body-specific RNA 8	1.01561312	-1.146592043	2.65943	2.703723	2.202622	0.43999062	0.44594451	0.39027104	14	19	15
109623469	NR_145805	SNORD175	small nucleolar RNA, C/D box 17	-1.552229372	-1.146592043	4.83149	3.256155	3.969067	0.43999062	0.29720487	0.39027104	14	12	15
643155	NM_001048249	SMIM15	small integral membrane protein	-1.025221236	-1.146682274	35.90361	35.061039	29.428131	6.67304593	6.63746622	6.47764661	3967	5170	4255
23016	NM_015004,NR_023353	EXOSC7	exosome component 7	-1.09851279	-1.146959785	34.764967	31.737624	28.76855	5.21997612	5.08822232	5.02782252	1424	1732	1527
11187	NM_001303029,NM_007183	PKP3	plakophilin 3	1.100375064	-1.147092957	32.7814	35.92889	26.720295	6.51246517	6.64902225	6.31679881	3545	5212	3801
5279	NM_002642,NM_153747	PIGC	phosphatidylinositol glycan ancho	1.052064819	-1.147242295	19.713477	20.843025	16.228833	4.88896361	4.95978213	4.69792476	1124	1580	1205
102465978	NR_106909	MIR6850	microRNA 6850	1.015672566	-1.147262742	11.715461	11.988136	9.784874	0.77668602	0.7861039	0.69713258	28	38	30
729732	NR_047662	LOC729732	uncharacterized LOC729732	2.080793782	-1.147262742	0.181272	0.379833	0.145755	0.77668602	1.31437719	0.69713258	28	78	30
114789	NM_001006641,NM_001006642	SLC25A25	solute carrier family 25 member 2	-1.12549806	-1.147416947	18.379239	16.382159	14.894301	5.94416257	5.77652864	5.7492131	2378	2823	2549
100616487	NR_039742	MIR4517	microRNA 4517	1.460056948	-1.147487674	13.797048	20.210869	11.313072	1.04948198	1.3579479	0.95003448	42	82	45
28512	NM_020345	NKIRAS1	NFKB inhibitor interacting Ras lik	1.191769113	-1.147579235	3.471941	4.145529	2.837313	2.9541672	3.17708507	2.78271118	265	422	284
56270	NM_019613	WDR45B	WD repeat domain 45B	-1.161015761	-1.147772629	75.297012	64.925781	61.647209	7.57484227	7.36066928	7.37711996	7446	8569	7979
57620	NM_001169117,NM_001169118	STIM2	stromal interaction molecule 2	1.105727246	-1.147777595	5.36306	5.930515	4.397621	4.80994515	4.9500279	4.61866105	1062	1569	1138
65062	NM_001044385,NM_152388	TMEM237	transmembrane protein 237	1.465958323	-1.147913458	3.42659	5.058318	2.790134	4.28857758	4.81682937	4.10041086	728	1426	780
4771	NM_000268,NM_016418,NM_18	NF2	neurofibromin 2	-1.335432125	-1.14803192	18.139773	13.350833	15.149119	6.66292744	6.25037564	6.46586474	3939	3941	4220
9338	NM_001006639,NM_001006640	TCEAL1	transcription elongation factor A l	1.271411523	-1.148071748	9.4568	12.048649	7.735126	3.59454042	3.91531944	3.4128543	435	739	466
54850	NM_001316936,NM_001316937	FBXL12	F-box and leucine rich repeat pro	-1.005372635	-1.148226952	20.705241	20.703938	17.112359	5.32271189	5.3151747	5.12862225	1532	2036	1641
5094	NM_001098620,NM_001128911	PCBP2	poly(rC) binding protein 2	-1.058836687	-1.148410029	138.530659	130.932681	113.617462	8.70959998	8.62732208	8.51047202	16397	20691	17561
10180	NM_001167582,NM_001349190	RBM6	RNA binding motif protein 6	-1.195424938	-1.148541961	29.280401	24.222447	24.275886	6.69768198	6.44286462	6.49993558	4036	4511	4322
226	NM_000034,NM_001127617,NM	ALDOA	aldolase, fructose-bisphosphate A	1.748147287	-1.148558315	877.858257	1356.967306	701.331767	10.40815913	11.21353266	10.20849229	53309	124516	57086
80724	NM_001136538,NM_025247	ACAD10	acyl-CoA dehydrogenase family r	-1.279664498	-1.148868282	7.344079	5.737597	5.999934	4.90131278	4.55894904	4.7082479	1134	1184	1214
27301	NM_001271748,NM_014481	APEX2	apurinic/apyrimidinic endodeoxyr	1.024171025	-1.148929425	13.334826	13.732311	10.857871	4.81256286	4.84581067	4.61987668	1064	1456	1139
3816	NM_002257	KLK1	kallikrein 1	-2.618192999	-1.148947106	1.693034	0.636284	1.379626	1.29387258	0.63490936	1.17840727	57	29	61
55731	NM_001077498,NM_001288631	FAM222B	family with sequence similarity 22	-1.224410136	-1.149031466	12.372691	10.253729	10.280068	5.71081263	5.42487721	5.51448193	2017	2201	2159
3615	NM_000884	IMPDH2	inosine monophosphate dehydro	-1.091003229	-1.149048797	90.542076	83.08329	74.054039	7.22961095	7.10482771	7.03059884	5853	7168	6265
91039	NM_139159	DPP9	dipeptidyl peptidase 9	-1.455799421	-1.149073658	53.296833	36.6493	43.5858	7.79780563	7.2589381	7.59829777	8697	7982	9309
2768	NM_001282440,NM_001282441	GNA12	G protein subunit alpha 12	1.188368693	-1.149087954	12.632928	15.047807	10.337399	5.77998999	6.02481605	5.58339873	2118	3363	2267
2186	NM_004459,NM_182641	BPTF	bromodomain PHD finger transcr	-1.305624101	-1.149402003	16.469577	12.621364	13.469228	7.45534827	7.073112	7.25568891	6851	7011	7331
10574	NM_001009570,NM_001166284	CCT7	chaperonin containing TCP1 sub	1.353581983	-1.149564575	203.882522	276.405426	166.937949	8.58461368	9.02041665	8.38408651	15033	27188	16084
4055	NM_001270987,NM_002342	LTBR	lymphotoxin beta receptor	-1.117749731	-1.149825553	141.488361	123.506645	109.965284	8.2185185	8.05848995	8.01782692	11655	13932	12467
10818	NM_001042555,NM_001278351	FRS2	fibroblast growth factor receptor s	1.02846693	-1.14985271	4.548938	4.733772	3.737915	4.97092545	5.01015048	4.7763339	1192	1638	1275
101928725	NR_135474	LOC101928725	uncharacterized LOC101928725	-1.334473231	-1.149917788	0.53236	0.402829	0.434651	0.79797761	0.63490936	0.71544405	29	29	31
26984	NM_012430	SEC22A	SEC22 homolog A, vesicle traffic	1.395504813	-1.14997293	6.273941	8.767938	5.129011	4.45195674	4.91399145	4.26018095	820	1529	877
41	NM_001095,NM_001256830,NM	ASIC1	acid sensing ion channel subunit	-1.133037533	-1.150099767	2.274834	2.000881	1.888402	3.29469475	3.13387411	3.11477407	346	408	370
4277	NM_001289160,NM_001289161	MICB	MHC class I polypeptide-related s	-2.588004804	-1.150229391	1.648574	0.638378	1.400545	2.33625658	1.3579479	2.1765086	159	82	170
106707243	NM_001316893	PRH1-TAS2R14	PRH1-TAS2R14 readthrough	-1.335295767	-1.150250468	0.879953	0.65235	0.722213	1.30878272	1.07428646	1.19154816	58	58	62
54958	NM_017854	TMEM160	transmembrane protein 160	-1.400600187	-1.150310604	19.016998	13.604095	15.561419	3.71696001	3.27409343	3.53128747	477	455	510
112479	NM_001142725,NM_080663	ERI2	ERI1 exoribonuclease family mer	1.088932817	-1.150364385	8.386028	9.24876	7.09571	4.85762016	4.97647655	4.66297087	1099	1599	1175
9696	NM_014675	CROCC	ciliary rootlet coiled-coil, rootletin	1.162918741	-1.150507684	4.782584	5.566782	3.906124	4.99992509	5.21136241	4.80440514	1217	1891	1301
283459	NM_176818,NR_033684	GATC	glutamyl-tRNA amidotransferase	-1.156315734	-1.150640677	10.061838	8.701149	8.189313	5.41861558	5.2143287	5.22123584	1640	1895	1753
51119	NM_016038	SBDS	SBDS, ribosome maturation facto	-2.049464201	-1.150645	51.01918	24.926998	41.676708	6.43897844	5.4210308	6.23903131	3367	2195	3599
283267	NR_015451	LINC00294	long intergenic non-protein codin	-1.537798165	-1.15077612	3.797717	2.472656	3.098855	3.72531928	3.16180073	3.53901915	480	417	513
2037	NM_001135554,NM_001135555	EPB41L2	erythrocyte membrane protein ba	-1.336510546	-1.150869589	19.83336	15.200651	16.545098	6.41850381	6.00568164	6.21831452	3319	3318	3547
10904	NM_001167820,NM_001167821	BLCAP	bladder cancer associated protei	1.102391431	-1.15087227	39.565991	44.161119	32.557426	6.34807711	6.48707234	6.14801122	3159	4653	3376
26953	NM_001243202,NM_001243203	RANBP6	RAN binding protein 6	-1.216756794	-1.151315787	6.352384	4.840591	4.803422	4.7808325	4.50909186	4.58544575	1040	1142	1111
222194	NM_198467	RSBN1L	round spermatid basic protein 1 l	-1.718469432	-1.151336771	8.212865	4.782332	6.697992	4.74153657	3.99854533	4.54634208	1011	786	1080
80152	NM_025082	CENPT	centromere protein T	1.199654884	-1.151346051	32.357876	38.865082	26.407681	6.22673363	6.48615224	6.02631635	2901	4650	3099
285074	NR_026846	LOC285074	anaphase promoting complex sul	-1.021652024	-1.151505299	8.373224	8.204312	6.837602	4.24466875	4.21540721	4.05259921	705	922	753
283693	NR_036446	ACTG1P17	actin gamma 1 pseudogene 17	-1.010637156	-1.151512544	0.921161	0.914575	0.760228	1.32354034	1.31437719	1.20457043	59	78	63
64061	NM_022117	TSPYL2	TSPY like 2	1.246172573	-1.151535076	15.355557	19.15167	12.52769	5.43569657	5.74661881	5.23716605	1660	2764	1773
54532	NM_019050	USP53	ubiquitin specific peptidase 53	-1.223127757	-1.151580583	7.169148	5.868377	5.850161	5.55617688	5.27240856	5.35718856	1808	1975	1931
1059	NM_001810	CENPB	centromere protein B	1.409533692	-1.151731397	41.922035	59.155361	34.200043	6.86936574	7.36100392	6.66742714	4551	8571	4860
23523	NM_001199281,NM_001201429	CABIN1	calcineurin binding protein 1	1.395686201	-1.151753026	18.670797	26.026191	14.890981	7.06839023	7.54632246	6.86618449	5230	9753	5585
5207	NM_001271804,NM_001271805	PFKFB1	6-phosphofructo-2-kinase/fructos	1.988770978	-1.151756488	0.220523	0.445454	0.181967	0.46682716	0.81765451	0.41288872	15	40	16
9398	NM_001256106,NM_001256109	CD101	CD101 molecule	-1.054423872	-1.151756488	0.110065	0.102563	0.086968	0.46682716	0.44594451	0.41288872	15	19	16
11158	NM_001003789,NM_001130919	RABL2B	RAB, member of RAS oncogene	1.381650333	-1.151841736	6.314454	8.499122	4.827436	3.89793981	4.33742297	3.70857641	546	1008	583
2889	NM_001304275,NM_005312,NM	RAPGEF1	Rap guanine nucleotide exchang	-1.15394169	-1.151901961	8.005478	6.945697	6.529858	5.60757673	5.40554179	5.4080336	1875	2171	2002
23013	NM_015001	SPEN	spen family transcriptional repres	-1.072341874	-1.151984548	9.454693	8.826368	7.712592	6.82727062	6.72742198	6.62507336	4419	5506	4718
54891	NM_017759	INO80D	INO80 complex subunit D	1.242530762	-1.152309471	3.049748	3.793589	2.485965	5.42547226	5.73220439	5.2260334	1648	2736	1759
222	NM_000695,NM_001031615	ALDH3B2	aldehyde dehydrogenase 3 family	1.1002303	-1.152379843	1.320526	1.456811	1.074722	2.14180175	2.24959721	1.98602166	134	197	143
150356	NM_138481	CHADL	chondroadherin like	-2.217201616	-1.152407607	0.306051	0.134104	0.252067	0.81895953	0.42561204	0.73352601	30	18	32
11174	NM_197941,NR_135689	ADAMTS6	ADAM metallopeptidase with thro	-1.012989257	-1.152583441	2.768744	2.792436	2.29844	4.40068652	4.38295215	4.20617012	790	1042	843
109617002	NR_145761	SNORA21B	small nucleolar RNA, H/ACA box	-1.365301669	-1.152625889	8.636003	6.311046	6.969139	1.10178443	0.8787583	0.99569924	45	44	48
64795	NM_022780	RMND5A	required for meiotic nuclear divisi	1.026055774	-1.152854457	9.111599	9.358718	7.426746	5.80386677	5.84032177	5.60258718	2154	2953	2298
122769	NM_152329,NM_203467,NR_03	LRR1	leucine rich repeat protein 1	-1.034569184	-1.152956014	27.666667	25.678894	23.569164	5.30516019	5.25738748	5.10537729	1513	1954	1614
29085	NM_001135861,NM_001287342	PHPT1	phosphohistidine phosphatase 1	1.051156346	-1.152970029	50.450193	53.595706	40.659519	6.0163339	6.08722901	5.8143746	2502	3514	2669
100616387	NR_039891	MIR3064	microRNA 3064	-1.12098694	-1.153145502	607.211609	542.235046	494.800995	5.32271189	5.1622853	5.12263165	1532	1826	1634
5501	NM_001244974,NM_002710	PPP1CC	protein phosphatase 1 catalytic s	-1.102428878	-1.153174888	101.585347	92.501714	82.271779	7.93971223	7.79962676	7.73499812	9600	11635	10239
124923	NM_001174103	SGK494	uncharacterized serine/threonine	-1.020006378	-1.153220353	5.517234	5.41435	4.493549	4.41281357	4.38558611	4.21745651	797	1044	850
10113	NM_001330484,NM_001330485	PREB	prolactin regulatory element bind	1.061078864	-1.153220986	21.08342	22.555312	16.987791	5.48082991	5.56450605	5.28008828	1714	2430	1828
23649	NM_002689	POLA2	DNA polymerase alpha 2, access	1.109140453	-1.153277692	16.264771	18.061682	13.254001	5.87946948	6.02650467	5.67747023	2272	3367	2423

3267	NM_001135187,NM_001135188	AGFG1	ArfGAP with FG repeats 1	1.163229627	-1.153384629	9.325768	10.861294	7.600134	6.31615031	6.53175021	6.11304322	3089	4801	3294
10607	NM_006453	TBL3	transducin beta like 3	1.078364501	-1.153584449	35.955997	38.818382	29.296021	6.52089319	6.62859908	6.31717356	3566	5138	3802
54625	NM_017554	PARP14	poly(ADP-ribose) polymerase fan	-1.036428796	-1.15359969	18.15616	17.537605	14.791061	7.10087705	7.04963781	6.89634317	5350	6897	5704
30851	NM_001204698,NM_014604	TAX1BP3	Tax1 binding protein 3	-1.080887651	-1.153631569	42.674085	39.706128	34.722897	5.86756061	5.7573359	5.66515841	2253	2785	2402
220002	NM_001161452,NM_001161454	CYB561A3	cytochrome b561 family member	-1.011537413	-1.153666897	11.070743	11.240614	9.510827	4.78616959	4.7702214	4.58793254	1044	1379	1113
8723	NM_003794,NR_073435	SNX4	sorting nexin 4	1.426725023	-1.153754194	11.58189	16.554518	9.4366	4.88523815	5.38331039	4.6863673	1121	2137	1195
126626	NM_001323906,NM_001323907	GABPB2	GA binding protein transcription f	1.359985531	-1.154160308	6.996791	9.036055	5.849794	4.11282598	4.53423581	3.91874377	640	1163	682
29995	NM_001278233,NM_001278234	LMCD1	LIM and cysteine rich domains 1	-1.030508302	-1.154239375	4.242723	4.115676	3.471988	3.06808971	3.02995795	2.88736461	290	376	309
7879	NM_004637	RAB7A	RAB7A, member RAS oncogene	1.436361205	-1.154342377	132.80661	190.970673	108.110909	8.17798317	8.69889175	7.97167843	11331	21746	12073
58473	NM_001130033,NM_001130034	PLEKHB1	pleckstrin homology domain cont	1.079491099	-1.154350718	4.071037	4.465881	3.333203	3.19790087	3.29665996	3.01481644	321	463	342
3954	NM_012318	LETM1	leucine zipper and EF-hand conta	1.062527338	-1.154415247	21.669689	23.051983	17.63949	6.86117084	6.94794234	6.65591807	4525	6424	4821
146909	NM_001264573,NM_001265577	KIF18B	kinesin family member 18B	-1.056362985	-1.154497304	53.032138	50.240018	43.234975	7.78952498	7.7107858	7.58326438	8647	10937	9212
10838	NM_001080485	ZNF275	zinc finger protein 275	1.085398182	-1.154562054	2.537296	2.756062	2.062259	4.05430925	4.16570385	3.86028525	613	889	653
8420	NM_002909,NR_036473	SNHG3	small nucleolar RNA host gene 3	1.029976192	-1.15464163	37.260489	38.334846	29.997767	6.36199349	6.40409529	6.15725044	3190	4390	3398
8857	NM_003890	FCGBP	Fc fragment of IgG binding protei	1.711699463	-1.154747155	0.049126	0.084367	0.039949	0.83964067	1.23481109	0.75138414	31	71	33
169714	NM_181701	QSOX2	quiescin sulfhydryl oxidase 2	1.266547102	-1.154988211	24.22121	30.713547	19.709597	6.75187721	7.08996573	6.54606638	4192	7094	4464
64895	NM_022894	PAPOLG	poly(A) polymerase gamma	1.075208129	-1.155079103	3.77031	4.060042	3.068149	4.81386993	4.91490342	4.61378826	1065	1530	1134
9644	NM_014631	SH3PXD2A	SH3 and PX domains 2A	-1.465081413	-1.155094937	3.697776	2.525444	3.007679	5.37500681	4.8400608	5.17236179	1590	1450	1693
6392	NM_001276503,NM_001276504	SDHD	succinate dehydrogenase compl	-1.70228761	-1.155132257	69.07814	40.597544	56.389904	6.57006607	5.81318676	6.36435492	3691	2897	3930
6139	NM_000985,NM_001035006,NM	RPL17	ribosomal protein L17	-1.091227624	-1.155213872	612.163899	556.011134	486.990374	8.8909851	8.76530948	8.68329539	18599	22773	19802
118424	NM_058167,NM_194315,NM_19	UBE2J2	ubiquitin conjugating enzyme E2	1.015731653	-1.155215105	24.028928	24.399997	19.604396	5.74889418	5.77099905	5.5448789	2072	2812	2206
80013	NM_001318330,NM_024948	MINDY3	MINDY lysine 48 deubiquitinase	1.027481192	-1.155221202	10.132972	10.439321	8.301902	4.62276571	4.66031492	4.42363166	928	1274	988
10300	NM_005886	KATNB1	katanin regulatory subunit B1	-1.179048669	-1.155302806	9.789407	8.31884	7.966705	4.71379852	4.4859587	4.51401614	991	1123	1055
86	NM_004301,NM_177989,NM_17	ACTL6A	actin like 6A	1.115046386	-1.155366413	81.500887	90.61719	66.381651	7.23059	7.38670496	7.02372698	5857	8726	6235
2063	NM_005234	NR2F6	nuclear receptor subfamily 2 grou	-1.284724708	-1.155441623	68.144753	53.107334	55.426773	6.91545167	6.557382	6.70885854	4700	4888	5003
220359	NM_145719	TIGD3	tigger transposable element deriv	-1.318632711	-1.15558433	1.033799	0.781596	0.838825	1.57857476	1.32539385	1.4430085	78	79	83
130916	NM_001330179,NM_001330180	MTERF4	mitochondrial transcription termin	1.294032978	-1.155727204	17.608892	24.471232	15.716928	5.40132993	5.76544819	5.19782003	1620	2801	1724
8829	NM_001024628,NM_001024629	NRP1	neuropilin 1	-1.485377598	-1.155861945	26.39094	17.312354	22.189096	7.13865882	6.57277645	6.93128004	5493	4941	5845
114984	NM_001142499,NM_001142500	FLYWCH2	FLYWCH family member 2	1.245621695	-1.156061973	21.894799	27.379898	17.838003	4.51920371	4.82364393	4.3197426	861	1433	916
348180	NM_001012759,NM_001012762	CTU2	cytosolic thiouridylase subunit 2	1.03368883	-1.156096587	15.254522	15.823896	12.297191	4.75112025	4.79717993	4.55017297	1018	1406	1083
144481	NR_038263	SOCS2-AS1	SOCS2 antisense RNA 1	-2.642881282	-1.15631824	0.697195	0.267795	0.586684	0.49317359	0.20477631	0.43515728	16	8	17
6079	NR_000005	SNORD15A	small nucleolar RNA, C/D box 15	-1.333145184	-1.15631824	2.674233	2.112537	2.250485	0.49317359	0.38406669	0.43515728	16	16	17
101929467	NR_125775	LURAP1L-AS1	LURAP1L antisense RNA 1	1.354168604	-1.15631824	0.421872	0.58919	0.341929	0.49317359	0.63490936	0.43515728	16	29	17
57456	NM_001320334,NM_020696	KIAA1143	KIAA1143	-1.507375052	-1.156359201	4.850705	3.225845	3.960853	4.66827758	4.1046668	4.46750731	959	850	1020
11269	NM_001014449,NM_001014451	DDX19B	DEAD-box helicase 19B	-1.105593787	-1.156460557	28.198745	25.513987	22.958604	5.66447154	5.5226424	5.45918641	1952	2359	2076
143666	NR_026967	LOC143666	uncharacterized LOC143666	1.931404472	-1.15646801	0.986853	1.918464	0.807329	1.59082596	2.2895231	1.45395569	79	204	84
147841	NM_001317031,NM_001317032	SPC24	SPC24, NDC80 kinetochore com	-1.281281388	-1.156607706	31.886233	27.400503	26.246928	6.02876973	5.67736765	5.82231668	2524	2632	2684
10206	NM_001007278,NM_005798,NM	TRIM13	tripartite motif containing 13	-1.402716508	-1.156630709	3.539898	2.505164	2.87731	4.65082999	4.18548887	4.44984345	947	902	1007
91368	NM_080656	CDKN2AIPNL	CDKN2A interacting protein N-te	-1.124239803	-1.156715845	15.161699	13.496522	12.315316	4.28669603	4.12687582	4.08816658	727	864	773
4904	NM_004559,NR_132737	YBX1	Y-box binding protein 1	1.344957224	-1.156792811	232.480335	313.76586	188.975324	9.48391736	9.9109622	9.27410183	28073	50448	29848
7769	NM_001032372,NM_001032373	ZNF226	zinc finger protein 226	-1.469862171	-1.156824839	21.434121	14.654054	20.703389	5.48985314	4.94913788	5.28469437	1725	1568	1834
7003	NM_021961	TEAD1	TEA domain transcription factor	-1.155188228	-1.157039121	22.225912	19.26145	18.051853	7.67785255	7.47081459	7.46851774	8000	9253	8504
55695	NM_001168347,NM_001168348	NSUN5	NOP2/Sun RNA methyltransfera	-1.406213048	-1.157068619	13.378708	9.534957	10.766273	5.00679911	4.53304836	4.80333552	1223	1162	1300
1212	NM_001834,NM_007097,NR_04	CLTB	clathrin light chain B	-1.287099805	-1.15718914	62.978737	49.623297	59.483021	6.41420145	6.05491286	6.2062258	3309	3435	3517
100131205	NR_026911	RPL21P28	ribosomal protein L21 pseudogen	-1.04474155	-1.157190846	515.387878	493.862183	418.540466	8.14474035	8.0818217	7.93491232	11072	14160	11768
11232	NM_007215	POLG2	DNA polymerase gamma 2, acce	-1.027369516	-1.157208401	15.67346	15.263483	12.727144	4.66248513	4.62508404	4.46073909	955	1242	1015
653519	NM_001097612,NM_001097613	GPR89A	G protein-coupled receptor 89A	-1.028542459	-1.157271611	15.195383	14.823085	12.364077	4.91721027	4.87796738	4.71395121	1147	1490	1219
79000	NM_001287490,NM_024037	AUNIP	aurora kinase A and ninein intera	1.167083619	-1.157327784	7.738837	8.861306	6.022702	4.03874269	4.24906335	3.84165053	606	945	644
9814	NM_001007467,NM_001258325	SFI1	SFI1 centrin binding protein	1.021151483	-1.157400935	7.406861	7.546964	5.991854	4.99532414	5.02458641	4.79151702	1213	1655	1289
10890	NM_016131	RAB10	RAB10, member RAS oncogene	1.030800232	-1.157830453	37.955456	39.167446	30.80512	7.13839801	7.18185761	6.92858469	5492	7564	5834
10643	NM_006547	IGF2BP3	insulin like growth factor 2 mRNA	-1.318270467	-1.158015952	31.600908	23.996758	25.642061	7.01085643	6.61575632	6.80096283	5024	5092	5336
84960	NM_001039374	CCDC183	coiled-coil domain containing 183	-1.270247327	-1.158076954	1.477559	1.16196	1.189545	1.79522562	1.55800914	1.64757178	97	102	103
677792	NR_003026	SNORA1	small nucleolar RNA, H/ACA box	1.099523058	-1.158557039	9.783081	10.796565	7.905488	1.16869613	1.24644988	1.05442063	49	72	52
728642	NM_001313896,NM_001313982	CDK11A	cyclin dependent kinase 11A	-1.146735547	-1.15856134	34.609324	30.279846	28.050943	6.74504182	6.54947593	6.53483235	4172	4861	4429
29915	NM_013320	HCFC2	host cell factor C2	-1.108864192	-1.158661283	2.222219	2.008909	1.803252	3.74737673	3.60990992	3.5518139	488	588	518
7520	NM_021141	XRCC5	X-ray repair cross complementing	1.230642874	-1.158771089	148.16217	182.537766	120.1539	8.95361953	9.25248773	8.74148454	19426	31942	20619
7024	NM_001173452,NM_001173453	TFCP2	transcription factor CP2	-1.023861261	-1.158816023	11.598507	11.332996	9.414763	5.42376114	5.39054046	5.21642227	1646	2148	1747
3015	NM_002106	H2AFZ	H2A histone family member Z	1.023634139	-1.158940453	530.774353	543.937866	430.390289	8.93782067	8.97145309	8.72548039	19214	26279	20391
2086	NM_001007253,NR_145414,NR	ERV3-1	endogenous retrovirus group 3 m	1.055910169	-1.158980338	5.830367	5.830992	5.907902	3.96064828	4.03423402	3.76240724	572	807	607
170960	NM_133474	ZNF721	zinc finger protein 721	-1.124641816	-1.159008694	16.219276	14.436376	13.14778	6.23065365	6.06357411	6.02080512	2909	3456	3087
4353	NM_000530,NM_001315491	MPZ	myelin protein zero	2.083032382	-1.159026759	0.432947	0.908233	0.352899	0.88013425	1.4414436	0.7664063	33	92	35
84679	NM_001257291,NM_032591	SLC9A7	solute carrier family 9 member A	-1.011463316	-1.159125748	11.406166	11.287767	9.246146	6.81116538	6.79535639	6.60065285	4371	5774	4638
2968	NM_001517	GTF2H4	general transcription factor IIH su	1.090977627	-1.159165227	10.983299	11.999879	8.900127	4.27535493	4.39476729	4.07404468	721	1051	765
100506365	NR_110438,NR_110439	OTUD6B-AS1	OTUD6B antisense RNA 1 (head	-1.120391554	-1.159307556	11.189994	10.214994	9.056163	4.75112025	4.59353508	4.54634208	1018	1214	1080
100128398	NR_036508	LOC100128398	uncharacterized LOC100128398	1.439456765	-1.159339401	0.903139	1.30983	0.729228	1.42282133	1.77444288	1.29257653	66	127	70
80196	NM_001256858,NM_025126,NM	RNF34	ring finger protein 34	-1.306271865	-1.159355759	15.245583	11.828661	12.650493	4.96034122	4.58897123	4.75436273	1183	1210	1255
22994	NM_001009811,NM_001319228	CEP131	centrosomal protein 131	1.076765941	-1.159496441	19.12313	20.657548	15.527332	6.10709035	6.21230621	5.89691676	2667	3837	2829
6161	NM_000994,NM_001007073,NM	RPL32	ribosomal protein L32	-1.001717649	-1.159526272	180.053131	179.405727	145.780551	8.18418709	8.18171967	7.97144037	11380	15179	12071
57697	NM_001308133,NM_001308134	FANCM	Fanconi anemia complementatio	1.05390109	-1.159530864	4.612643	5.04829	3.737806	5.03956952	5.11306995	4.83298924	1252	1763	1328
81858	NM_030974,NR_038270	SHARPIN	SHANK associated RH domain in	-1.160976327	-1.15993183	23.443073	20.226282	18.809429	5.37589203	5.16612031	5.16738207	1591	1831	1687
11099	NM_007039	PTPN21	protein tyrosine phosphatase, no	-1.123975721	-1.159935205	2.16066	1.925609	1.751254	3.81681978	3.66081122	3.61901061	514	611	545
79003	NM_001258217,NM_001258218	MIS12	MIS12, kinetochore complex com	-1.594395561	-1.160317996	6.420941	4.202004	4.972436	4.06312959	3.44039495	3.86234099	617	517	654
6468	NM_001323541,NM_022039,NR	FBXW4	F-box and WD repeat domain co	-1.6060619	-1.160357546	19.352483	12.359195	15.54132	5.39958992	4.73657294	5.19047509	1618	1346	1715
3299	NM_001040667,NM_001538	HSF4	heat shock transcription factor 4	-1.441691993	-1.160452944	9.898089	6.861398	7.999192	4.68265777	4.17943002	4.4769298	969	898	1027
2256	NM_001303460,NM_004112,NR	FGF11	fibroblast growth factor 11	1.803420514	-1.160487322	1.20795	2.302986	0.927264	2.14180175	2.83945493	1.97845985	134	323	142
56260	NM_019607	C8orf44	chromosome 8 open reading fran	1.469832287	-1.160494841	3.482429	5.124015	2.818877	2.88620833	3.37827344	2.70236404	251	493	266
2071	NM_000122,NM_001303416,NM	ERCC3	ERCC excision repair 3, TFIIH co	1.10082004	-1.160500014	31.377038	34.939757	25.259109	6.42877745	6.56582572	6.21670854	3343	4917	3543
378708	NM_199294,NR_036462	CENPS	centromere protein S	-1.068880455	-1.160560777	9.032879	8.172841	7.342015	3.64534899	3.55714683	3.44886901	452	565	479
51204	NM_016360	TACO1	translational activator of cytochro	1.043521245	-1.160764637	30.478788	31.842514	24.671534	5.47918324	5.53929737	5.26928318	1712	2387	1814
30827	NM_001101654,NM_014593	CXXC1	CXXC finger protein 1	1.14817775	-1.160792459	14.263457	16.399052	11.550853	5.39435726	5.58928181	5.1847364	1612	2473	1708
25875	NM_001243689,NM_001300765	LETMD1	LETM1 domain containing 1	-1.339021107	-1.16081925	21.526203	16.197014	17.442842	5.57402879	5.16305312	5.36373375	1831	1827	1940
10635	NM_001130862,NM_006479	RAD51AP1	RAD51 associated protein 1	-1.345189242	-1.160898878	26.142955	19.44526	21.111712	5.84664023	5.4274358	5.63541459	2220	2205	2352
54463	NM_001034850,NM_019000	RETREG1	reticulophagy regulator 1	-1.887552228	-1.160988925	0.270301	0.142006	0.219523	0.89996265	0.54351856	0.80366934	34	24	36
79697	NM_024644	RIOX1	ribosomal oxygenase 1	1.154586831	-1.161132384	7.697179	8.894745	6.228469	4.28481203	4.48227194	4.08112291	726	1120	769
114041	NR_026542,NR_026543	B3GALT5-AS1	B3GALT5 antisense RNA 1	-1.513049366	-1.16129665	1.269103	0.859166	1.013879	1.44997615	1.10017522	1.31676564	68	60	72
64410	NM_022480	KLHL25	kelch like family member 25	1.01991841	-1.161536806	2.171063	2.220137	1.756294	3.13654562	3.16180073	2.94669635	306	417	324
11129	NM_001278439,NM_007056,NR	CLASRP	CLK4 associating serine/arginine	-1.045709005	-1.161740137	43.085883	41.233887	34.870299	6.56580548	6.50201808	6.3519721	3680	4702	3896
8607	NM_001319084,NM_001319086	RUVBL1	RuvB like AAA ATPase 1	1.814420634	-1.161852546	60.364941	109.775505	48.756953	6.71876791	7.57213254	6.50454979	4096	9930	4336
54801	NM_001270890,NM_017645	HAUS6	HAUS augmin like complex subu	1.236384551	-1.161853576	8.204625	10.157858	6.636596	5.69671172	5.99752584	5.48476573	1997	3299	2114
55661	NM_001348187,NM_017895	DDX27	DEAD-box helicase 27	1.163046818	-1.161931654	51.14878	59.439455	41.304775	7.08201541	7.29843513	6.86720853	5280	8205	5589
8540	NM_003659	AGPS	alkylglycerone phosphate syntha	1.362202522	-1.161954047	9.274375	12.64983	7.50127	6.13402522	6.57450891	5.9207858	2718	4947	2877
84218	NM_032258,NM_032258_dup1,N	TBC1D3F	TBC1 domain family member 3F	-1.285953883	-1.161990496	7.743622	6.029226	6.266932	4.06092955	3.7225328	3.85822657	616	640	652
8771	NM_003823	TNFRSF6B	TNF receptor superfamily membe	1.037107759	-1.162142631	67.170868	69.74044	54.310226	6.2582797	6.31017284	6.04453654	2966	4110	3139
29789	NM_001011708,NM_001328688	OLA1	Obg like ATPase 1	1.41857448	-1.162463735	18.814736	26.861218	15.280673	6.33766462	6.83684787	6.12336578	3136	5944	3318
4796	NM_013432	TONSL	tonsoku like, DNA repair protein	1.109102413	-1.16270441	23.045532	25.590681	18.627134	6.67700171	6.82501047	6.46180299	3978	5895	4208
162239	NM_001318469,NM_001318471	ZFP1	ZFP1 zinc finger protein	-1.453057544	-1.162822399	6.431745	4.477702	5.229202	4.47196531	3.96195135	4.26485094	832	765	880
100302240	NR_031639	MIR1304	microRNA 1304	-1.271795514	-1.162847284	39.806923	31.278139	32.262638	2.18284609	1.9196316	2.01587867	139	146	147
56731	NM_020062	SLC2A4RG	SLC2A4 regulator	-1.044354299	-1.16303127	79.416367	76.131363	64.166664	7.46951643	7.40726522	7.25294923	6919	8852	7317
79607	NM_001330446,NM_024556	FAM118B	family with sequence similarity 1	-1.340989683	-1.163238609	6.758381	5.048422	5.460104	3.88556162	3.49508138	3.68321628	541	539	572

159091	NM_001170779,NM_001170780	FAM122C	family with sequence similarity 12	-1.947101133	-1.163300159	1.832817	0.958727	1.585073	2.19091668	1.50084877	2.02324736	140	96	148
79736	NM_024683	TEFM	transcription elongation factor, m	1.264465552	-1.163366109	11.956144	15.125273	9.655007	4.05209571	4.37236795	3.84788889	612	1034	647
10658	NM_001025596,NM_001172639	CELF1	CUGBP Elav-like family member	-1.06746943	-1.163388409	28.162702	28.49395	24.214589	7.43000109	7.33636914	7.21303062	6731	8425	7116
57215	NM_020457	THAP11	THAP domain containing 11	1.242768368	-1.163592582	16.538162	20.580742	13.354611	4.9720967	5.27667173	4.76098929	1193	1981	1261
55186	NM_001104647,NM_018155	SLC25A36	solute carrier family 25 member 3	1.152383353	-1.163596145	34.753741	40.091469	28.064775	7.31031377	7.51373531	7.09320538	6192	9534	6545
11017	NM_006857,NR_037862	SNRNP27	small nuclear ribonucleoprotein U	1.1020885	-1.16368795	27.815867	30.648271	22.314724	5.30330016	5.44016111	5.09054707	1511	2225	1597
3672	NM_181501	ITGA1	integrin subunit alpha 1	-1.82848565	-1.163822695	1.536575	0.838922	1.239516	3.03260384	2.30073045	2.84224948	282	206	298
9129	NM_001350529,NM_004698,NR	PRPF3	pre-mRNA processing factor 3	1.047505996	-1.163826382	41.306718	43.321282	33.577606	6.67736079	6.74368163	6.46078576	3979	5569	4205
100616403	NR_039840	MIR4691	microRNA 4691	1.121926784	-1.164011571	5.274918	6.109951	4.386475	0.54446555	0.59904473	0.47868902	18	27	19
115811	NM_001330452,NM_138451	IQCD	IQ motif containing D	-1.157872384	-1.16414926	3.079562	2.695823	2.448275	2.57697339	2.40307061	2.39673966	195	225	206
84334	NM_001302652,NM_001302653	APOPT1	apoptogenic 1, mitochondrial	-1.07911091	-1.16431128	15.040746	13.778219	12.692521	4.38494329	4.28053774	4.17673594	781	967	825
1948	NM_004093	EFNB2	ephrin B2	1.551734733	-1.164465689	13.574503	21.089987	10.956877	5.88258712	6.50777196	5.66692369	2277	4721	2405
6508	NM_001326559,NM_005070,NM	SLC4A3	solute carrier family 4 member 3	-1.05172471	-1.164559525	3.747582	3.532216	2.995434	4.03874269	3.97250183	3.83329054	606	771	640
51222	NM_001101672,NM_001102454	ZNF219	zinc finger protein 219	1.297855989	-1.164577651	7.097568	9.271033	5.871351	4.45195674	4.61292083	4.24292715	820	1422	866
729966	NR_036575	LOC729966	uncharacterized LOC729966	-2.539019101	-1.164580791	8.811667	3.466661	7.118625	2.78853894	1.73367602	2.60259472	232	122	245
124565	NM_001037984,NM_138570	SLC38A10	solute carrier family 38 member 1	1.10173157	-1.164590495	60.370648	68.534176	49.616227	7.94866452	8.08789943	7.72979986	9660	14220	10202
79092	NM_001257970,NM_024110,NM	CARD14	caspase recruitment domain fam	-1.264803734	-1.164604561	0.223404	0.175532	0.177841	0.93882015	0.7861039	0.83750224	36	38	38
8799	NM_001184795,NM_003846,NR	PEX11B	peroxisomal biogenesis factor 11	-1.138761396	-1.16483313	14.851021	13.270786	12.148848	4.80206342	4.62173661	4.59041505	1056	1239	1115
79706	NM_024653	PRKRIP1	PRKR interacting protein 1 (IL11	-1.558959223	-1.164961924	13.331774	8.55762	10.759235	4.87400371	4.26058819	4.66179103	1112	953	1174
221078	NM_001351115,NM_001351116	NSUN6	NOP2/Sun RNA methyltransferas	-1.122729875	-1.165388327	6.38504	5.721516	5.198818	3.88804577	3.7329126	3.68321628	542	645	572
254863	NM_152766	TMEM256	transmembrane protein 256	1.010315556	-1.165500947	29.06082	29.425993	23.431301	3.89052565	3.90434076	3.68554025	543	733	573
388753	NM_001012985,NM_001206641	COA6	cytochrome c oxidase assembly f	-1.356969732	-1.165504112	61.924101	45.908489	50.475565	5.51417891	5.08498478	5.29842508	1755	1728	1852
1030	NM_004936,NM_078487	CDKN2B	cyclin dependent kinase inhibitor	1.795326336	-1.165810693	7.25191	13.057945	5.805155	4.8242841	5.64585531	4.61134568	1073	2574	1132
55347	NM_001272069,NM_018394,NR	ABHD10	abhydrolase domain containing 1	1.929889634	-1.16587779	15.44805	30.898909	12.304683	5.38559376	6.31743308	5.16987408	1602	4131	1690
4713	NM_004146	NDUFB7	NADH:ubiquinone oxidoreductas	-1.133577443	-1.165901363	120.382149	106.319565	97.019539	6.02256521	5.84463554	5.80478602	2513	2962	2651
128240	NM_144772	NAXE	NAD(P)HX epimerase	1.066766654	-1.16624265	62.808578	67.091858	50.61248	6.12035656	6.21230621	5.90192215	2692	3837	2839
79968	NM_001167941,NM_024908	WDR76	WD repeat domain 76	1.000821879	-1.166433609	6.67791	6.701665	5.425612	4.76605286	4.76719467	4.55272125	1029	1376	1085
1513	NM_000396	CTSK	cathepsin K	-1.253045622	-1.166655214	11.995462	9.58218	9.652885	4.46864976	4.15956116	4.2570592	830	885	875
100505633	NR_038849	LINC01133	long intergenic non-protein codin	-1.473554383	-1.166940534	11.076286	7.511641	8.907577	3.73086534	3.22198991	3.5261099	482	437	508
8425	NM_001042544,NM_001042545	LTBP4	latent transforming growth factor	-5.396138377	-1.167184666	7.189689	1.340172	6.003722	5.21008282	2.93964205	4.99353253	1414	350	1490
6732	NM_003137,NR_034069	SRPK1	SRSF protein kinase 1	-1.206942455	-1.167456742	31.071575	25.83939	25.064504	7.05877545	6.78965007	6.83721211	5195	5751	5473
55633	NM_017772,NR_130108	TBC1D22B	TBC1 domain family member 22E	-1.227540241	-1.167604111	4.797022	3.959689	3.907784	4.14641466	3.86901329	3.93641476	656	714	691
56122	NM_018934	PCDHB14	protocadherin beta 14	1.359289388	-1.16776822	1.36453	1.857119	1.09806	2.64904502	3.02995795	2.46326383	207	376	218
400073	NM_207435	C12orf76	chromosome 12 open reading fra	-1.058327605	-1.167783556	4.032613	3.817851	3.248966	3.1155	3.04336424	2.91931156	301	380	317
133308	NM_001300754,NM_001300756	SLC9B2	solute carrier family 9 member B2	-1.19342291	-1.167824516	1.886581	1.5891	1.641308	2.75626978	2.541776	2.56774382	226	253	238
3434	NM_001270927,NM_001270928	IFIT1	interferon induced protein with te	-2.732626555	-1.168039408	21.211383	7.771639	17.108791	6.52129329	5.09789159	6.29983366	3567	1744	3756
9852	NM_014805	EPM2AIP1	EPM2A interacting protein 1	1.201378977	-1.168263274	5.129788	6.170864	4.125355	5.25407798	5.51243584	5.03604153	1459	2342	1536
146754	NM_001303270,NM_020877	DNAH2	dynein axonemal heavy chain 2	-1.164135753	-1.168275725	1.491764	1.282371	1.199508	4.50632616	4.29742051	4.29255782	853	979	898
9167	NM_001319036,NM_001319037	COX7A2L	cytochrome c oxidase subunit 7A	1.008160958	-1.168647681	42.009748	42.31942	33.723192	5.5886112	5.60009515	5.36880401	1850	2492	1947
8440	NM_001004720,NM_001004722	NCK2	NCK adaptor protein 2	1.61447834	-1.168860371	11.338813	17.516671	8.774465	4.66103338	5.3302927	4.44573627	954	2058	1004
26037	NM_001284245,NM_001284246	SIPA1L1	signal induced proliferation assoc	-1.055139375	-1.168734799	9.671075	9.185613	7.77879	6.21836805	6.14199953	5.9966768	2884	3652	3035
80772	NM_001029885	CPTP	ceramide-1-phosphate transfer p	1.308706631	-1.168745272	17.319193	22.687138	13.921568	5.24732179	5.6265008	5.02873806	1452	2539	1528
84231	NM_032271	TRAF7	TNF receptor associated factor 7	-1.099692325	-1.168812437	45.294754	41.23431	36.414265	7.34621288	7.20999417	7.12266115	6349	7714	6681
5937	NM_002897,NM_016836	RBMS1	RNA binding motif single strande	-1.0559299	-1.16884242	12.036389	11.416054	9.677447	5.67817204	5.60122869	5.45782748	1971	2494	2074
150786	NM_001077637	WTH3DI	RAB6C-like	-1.534403133	-1.168910205	0.549394	0.357807	0.437066	1.56621863	1.18729361	1.42086173	77	67	81
116988	NM_001042535,NM_001281300	AGAP3	ArfGAP with GTPase domain, an	-1.479337141	-1.169012659	18.679096	12.355119	14.59059	5.89869115	5.54525392	5.67747023	2303	2080	2423
102723927	NR_110592	LINC01238	long intergenic non-protein codin	1.032263848	-1.169064505	0.690017	0.714599	0.557393	1.30878272	1.33632702	1.17840727	58	80	61
114049	NM_001202560,NM_017528,NR	BUD23	BUD23, rRNA methyltransferase	-1.544451548	-1.169395758	80.319741	52.096921	64.591425	6.62098204	6.00182411	6.39769249	3825	3309	4023
64222	NM_022371	TOR3A	torsin family 3 member A	1.009335896	-1.169466785	33.374969	33.725883	26.818506	6.12878335	6.14199953	5.9064122	2708	3652	2848
5037	NM_002567	PEBP1	phosphatidylethanolamine bindin	-1.146244689	-1.169565719	122.841606	107.290276	98.703682	7.65360276	7.4577323	7.42884077	7866	9169	8272
9191	NM_001039711,NM_001039712	DEDD	death effector domain containing	1.090739093	-1.169622066	16.988704	18.463553	13.453192	5.30516019	5.4274358	5.08527627	1513	2205	1591
286076	NR_015445	BREA2	breast cancer estrogen-induced a	-1.426801612	-1.169653164	2.022951	1.408693	1.626611	1.57857476	1.25799553	1.43197761	78	73	82
221504	NM_152735	ZBTB9	zinc finger and BTB domain cont	1.023394642	-1.17011889	4.906236	5.026704	3.94318	3.80372238	3.83472784	3.59448638	509	696	535
388115	NM_207380	C15orf52	chromosome 15 open reading fra	1.21090829	-1.17016012	99.406471	120.507698	79.829834	9.0128652	9.28846963	8.78663303	20242	32750	21276
55704	NM_001135597,NM_001254943	CCDC88A	coiled-coil domain containing 88A	1.366610748	-1.170222029	3.840061	5.249512	3.083489	5.22686128	5.66712026	5.00660315	1431	2613	1504
23332	NM_001142273,NM_001142274	CLASP1	cytoplasmic linker associated prc	-1.101312787	-1.170345982	14.842323	13.489382	11.805743	6.8526112	6.71464766	6.62779498	4498	5457	4727
84777	NR_119377	DLGAP1-AS2	DLGAP1 antisense RNA 2	1.01216436	-1.170411236	8.920983	9.03807	7.14988	3.17367098	3.18919702	2.973571	315	426	331
7711	NM_001260486,NM_001260487	ZNF155	zinc finger protein 155	-1.198442102	-1.170697146	9.358224	7.796688	7.412461	4.65375261	4.40389042	4.43610715	949	1058	997
10058	NM_001349828,NM_005689	ABCB6	ATP binding cassette subfamily B	-1.589077724	-1.17073499	5.608114	5.536656	4.565097	4.14017606	3.51926972	3.92662428	653	549	686
6522	NM_001199692,NM_001199693	SLC4A2	solute carrier family 4 member 2	-1.49823257	-1.170895794	31.646393	21.037818	25.355762	7.00914581	6.43143843	6.7834404	5018	4475	5271
27330	NM_001330512,NM_014496	RPS6KA6	ribosomal protein S6 kinase A6	1.115646919	-1.17090897	1.705804	1.858194	1.334219	3.8730763	4.0204222	3.66213029	536	799	563
683	NM_004334	BST1	bone marrow stromal cell antigen	-19.38465271	-1.17099269	1.043355	0.050486	0.848044	1.33814853	0.10601836	1.20457043	60	4	63
272	NM_000480,NM_001025389,NM	AMPD3	adenosine monophosphate deam	-1.363277169	-1.171121361	8.768792	6.342488	7.013425	5.24925536	4.81585323	5.02782252	1454	1425	1527
8241	NM_001204466,NM_001204467	RBM10	RNA binding motif protein 10	1.140064333	-1.171155974	21.594574	24.605157	17.097562	6.15067232	6.33729741	5.92620061	2750	4189	2888
643699	NM_001282494	GOLGA8N	golgin A8 family member N	-1.107241363	-1.171291963	1.472328	1.329237	1.177992	3.11125378	2.98202989	2.9113909	300	362	315
672	NM_007294,NM_007297,NM_00	BRCA1	BRCA1, DNA repair associated	1.100748353	-1.17129708	15.037626	14.545766	11.253357	6.13350189	6.27010962	5.90890064	2717	3996	2853
25851	NM_015395	TECPR1	tectonin beta-propeller repeat co	-1.6900607	-1.171617515	5.671805	3.359774	4.549326	5.03285024	4.30578837	4.81187039	1246	985	1308
27175	NM_001320509,NM_016437	TUBG2	tubulin gamma 2	-1.047787102	-1.171668177	33.543598	32.047278	26.869215	5.91705205	5.85084386	5.6925693	2333	2975	2449
57465	NM_001199107,NM_020705	TBC1D24	TBC1 domain family member 24	1.310911849	-1.17169699	3.760257	4.936058	3.014666	4.64936645	5.0262753	4.4305758	946	1657	993
102466747	NR_106899	MIR6840	microRNA 6840	-1.76942278	-1.171911688	22.210268	12.685973	17.805752	1.35261029	0.90836632	1.21747621	61	46	64
347344	NM_007137	ZNF81	zinc finger protein 81	1.164122947	-1.17191654	0.537392	0.626144	0.432157	2.3579234	2.53704518	2.1765086	162	252	170
79048	NM_001282688,NM_001282689	SECISBP2	SECIS binding protein 2	-1.224263553	-1.171931241	13.746936	11.225397	10.997774	5.58018673	5.29500126	5.35645948	1839	2007	1930
27345	NM_014505	KCNMB4	potassium calcium-activated chai	1.759955935	-1.171986234	1.790901	3.160781	1.43722	3.2098649	3.95664704	3.00740444	324	762	340
100132774	NR_033827	KDM4A-AS1	KDM4A antisense RNA 1	1.22247074	-1.172176876	0.674918	0.840316	0.548603	1.03161781	1.18729361	0.91876801	41	67	43
102157401	NR_109828	PCBP2-OT1	PCBP2 overlapping transcript 1	-1.519631033	-1.172176876	1.793033	1.167436	1.435161	1.03161781	0.75384785	0.91876801	41	36	43
11157	NM_007080	LSM6	LSM6 homolog, U6 small nuclear	-1.068411097	-1.172215783	29.688032	27.84021	23.812681	4.57114104	4.47980886	4.3522875	894	1118	938
58477	NM_021203	SFPRB	SRP receptor beta subunit	1.961016617	-1.172378701	29.402847	57.734425	23.567402	6.35692242	7.31594433	6.13020668	3178	8327	3334
1861	NM_000113	TOR1A	torsin family 1 member A	1.35732488	-1.172456774	29.640862	40.286869	23.759521	5.94952407	6.38414818	5.72399823	2387	4329	2504
26528	NM_001352033,NM_001352034	DAZAP1	DAZ associated protein 1	1.169308528	-1.17252802	80.151564	94.014447	65.144794	7.43637976	7.66083217	7.20818955	6761	10563	7092
28958	NM_001040431	COA3	cytochrome c oxidase assembly f	1.059298347	-1.172777807	39.198635	41.572498	31.400051	4.99301815	5.07359581	4.7708724	1211	1714	1270
29066	NM_014153	ZC3H7A	zinc finger CCCH-type containing	1.068812466	-1.172855633	19.440746	20.801105	15.575136	6.19448232	6.28922568	5.96784829	2836	4050	2974
9675	NM_001303457,NM_014657	TTI1	TELO2 interacting protein 1	-1.04377516	-1.172879581	16.185523	15.626314	12.975631	5.94833435	5.88754299	5.72230146	2385	3053	2501
340591	NR_026551	CA5BP1	carbonic anhydrase 5B pseudoge	-1.189725305	-1.172920251	8.106687	6.837348	6.514891	3.1490272	2.92884759	2.94669635	309	347	324
399744	NR_024497	LINC00999	long intergenic non-protein codin	1.009280253	-1.173253131	1.856924	1.874838	1.484451	3.3924168	3.40448323	3.18544464	373	503	391
84900	NM_001109903,NM_032814	RNFT2	ring finger protein, transmembrar	-1.115349945	-1.173336726	1.684468	1.51238	1.345707	2.52684435	2.3978615	2.33885915	187	224	196
653464	NM_001271872,NM_001329984	SRGAP2C	SLIT-ROBO Rho GTPase activat	1.198816562	-1.173488647	1.908246	2.292681	1.530189	3.60061161	3.84241755	3.39023607	437	700	458
728819	NM_001101330	C1GALT1C1L	C1GALT1-specific chaperone 1 li	2.421088092	-1.173666314	1.399607	3.411083	1.1223	1.38110603	2.2895231	1.24294651	63	204	66
116349	NR_126522	EXOC3-AS1	EXOC3 antisense RNA 1	1.448587257	-1.173666314	1.243113	1.791792	0.9937	1.38110603	1.73367602	1.24294651	63	122	66
92703	NM_001322955,NM_001322956	TMEM183A	transmembrane protein 183A	-1.309231267	-1.173760029	7.44321	5.615057	5.943433	4.54619271	4.17639102	4.32571472	878	896	920
3097	NM_006734	HIVEP2	human immunodeficiency virus ty	1.316362089	-1.174227747	4.027502	5.306973	3.222122	5.29021237	5.67790497	5.06489121	1497	2633	1568
90459	NM_153332	ERI1	exoribonuclease 1	-1.164685742	-1.174228601	6.932207	5.956328	5.546447	5.00679911	4.79420929	4.78286053	1223	1403	1281
1105	NM_001270	CHD1	chromodomain helicase DNA bin	-1.005842965	-1.174296642	24.712322	24.595976	19.77705	7.28885462	7.28050329	7.05866029	6100	8103	6389
283638	NM_001112726,NM_015005	CEP170B	centrosomal protein 170B	1.168845433	-1.174432835	36.454565	42.661511	29.196173	7.89903287	8.12324606	7.66811955	9332	14574	9773
22863	NM_014924	ATG14	autophagy related 14	1.013487864	-1.174465235	10.50931	10.665352	8.409568	5.63075293	5.64969525	5.40380548	1906	2581	1996
388969	NM_001013649	C2orf68	chromosome 2 open reading fran	-1.04090566	-1.174505038	12.089642	11.62728	9.669762	5.67817204	5.62148167	5.45101358	1971	2530	2064
161742	NM_152594	SPRED1	sprouty related EVH1 domain co	1.1927006	-1.174516125	4.967021	5.931125	3.975271	5.17389443	5.42167258	4.94876578	1378	2196	1443
5160	NM_000284,NM_001173454,NM	PDHA1	pyruvate dehydrogenase (lipoam	1.087771264	-1.174605901	23.399267	25.306668	18.729032	6.28161277	6.40149494	6.05266115	3015	4382	3157
9819	NM_001303264,NM_014779,NR	TSC22D2	TSC22 domain family member 2	1.570331882	-1.174606108	10.876132	17.102621	8.751636	5.69600304	6.33695723	5.46866322	1996	4188	2090
4733	NM_004147	DRG1	developmentally regulated GTP b	1.071891576	-1.174613318	25.671276	27.545061	20.527315	5.21898983	5.31655563	4.99353253	1423	2038	1490

8539	NM_001142930,NM_001142931	API5	apoptosis inhibitor 5	-1.169811243	-1.174800708	19.982805	17.104547	16.050678	6.21490924	5.99191887	5.98587457	2877	3286	3012
10527	NM_006391	IPO7	importin 7	-1.658560747	-1.174955834	68.804283	41.528584	55.028873	8.69973552	7.97208065	8.46773417	16285	13119	17047
26259	NM_012174,NM_153348	FBXW8	F-box and WD repeat domain co	1.06976849	-1.175096571	3.948161	4.349368	3.199094	4.29045667	4.38295215	4.0704925	729	1042	763
54998	NM_001127229,NM_001127230	AURKAIP1	aurora kinase A interacting protei	1.05265991	-1.175139365	102.497491	108.988365	82.03253	6.58583649	6.65912642	6.35562515	3732	5249	3906
1207	NM_001293,NM_001311199,NM	CLNS1A	chloride nucleotide-sensitive cha	1.125569267	-1.175202019	71.52051	80.294408	57.131865	6.57931844	6.74829378	6.34904298	3715	5587	3888
54810	NM_001304725,NM_017655	GIPC2	GIPC PDZ domain containing far	-1.755216363	-1.175222691	3.214669	1.8302	2.569194	3.70573844	2.97505117	3.49199507	473	360	495
199223	NM_001105513,NM_145755	TTC21A	tetratricopeptide repeat domain 2	1.350992186	-1.175299466	0.665965	0.908617	0.529376	1.90722898	2.23798388	1.73991364	108	195	113
55611	NM_017670,NR_003089	OTUB1	OTU deubiquitinase, ubiquitin ald	1.323768513	-1.175320012	41.892717	55.533737	33.963315	6.62322036	7.02429717	6.39272292	3831	6776	4009
59277	NM_001329700,NM_001329701	NTN4	netrin 4	-2.216730701	-1.175386575	15.094734	6.847028	11.971028	5.74684273	4.6306459	5.51839824	2069	1247	2165
112970	NM_138417	KTI12	KTI12 chromatin associated hom	1.021872179	-1.175455872	8.982991	9.188379	7.185894	3.98637962	4.01565009	3.76899703	583	796	610
7673	NM_001129996,NM_013360	ZNF222	zinc finger protein 222	1.074458802	-1.175540027	4.804005	5.158114	3.831029	3.12395512	3.21608274	2.91931156	303	435	317
23277	NM_015229	CLUH	clustered mitochondria homolog	1.223147032	-1.175565847	23.604919	28.906191	18.86742	6.91970718	7.20813537	6.68843641	4714	7704	4932
54974	NM_001317824,NM_001317825	THG1L	tRNA-histidine guanylyltransfera	-1.231545617	-1.175595976	16.712979	13.581647	13.358763	5.59698677	5.30338313	5.36880401	1861	2019	1947
92579	NM_001319945,NM_138387,NR	G6PC3	glucose-6-phosphatase catalytic	-1.250198803	-1.17575394	64.744288	52.219537	51.29169	6.6108664	6.29238721	6.37986487	3798	4059	3973
291	NM_001151	SLC25A4	solute carrier family 25 member 4	1.059933547	-1.175818511	5.401499	5.732822	4.314567	4.60021751	4.68083331	4.37694243	913	1293	955
161779	NM_152595	PGBD4	piggyBac transposable element d	-1.128900168	-1.175884391	2.459373	2.175018	1.963924	2.71208982	2.56520021	2.51644942	218	258	228
100302285	NR_036052_chr12,NR_036052_	MIR1244-1	microRNA 1244-1	-1.199202058	-1.175932471	13.925621	11.637492	11.074837	1.08456011	0.95166931	0.96541723	44	49	46
7462	NM_014146,NM_032463,NM_03	LAT2	linker for activation of T-cells fam	-5.10427366	-1.175983833	4.694352	0.916788	3.603669	3.38540081	1.51053416	3.17555833	371	97	388
79154	NM_024308	DHRS11	dehydrogenase/reductase 11	1.009580402	-1.176007654	17.500071	17.682484	13.97753	4.81908641	4.83235848	4.59413082	1069	1442	1118
51626	NM_001193464,NM_001348912	DYNC2LI1	dynein cytoplasmic 2 light interm	1.178692164	-1.176255398	11.582735	13.67002	9.627778	4.05651939	4.28053774	3.83747659	614	967	642
55268	NM_001198961,NM_001198962	ECHDC2	enoyl-CoA hydratase domain cor	-1.169676447	-1.176270829	28.558239	25.409971	22.834669	5.71081263	5.48935666	5.48142583	2017	2304	2109
23729	NM_013276	SHPK	sedoheptulokinase	-1.033859167	-1.176490712	6.151641	5.956638	4.911619	4.58498718	4.53897585	4.36103743	903	1167	944
377677	NM_198584	CA13	carbonic anhydrase 13	-1.786306467	-1.176630145	3.146099	1.763192	2.512555	3.68016614	2.92884759	3.46519272	464	347	485
471	NM_004044	ATIC	5-aminoimidazole-4-carboxamide	1.444713481	-1.176633409	83.41478	120.645126	66.619019	7.4115577	7.93973748	7.17838449	6645	12827	6946
54915	NM_017798	YTHDF1	YTH N6-methyladenosine RNA b	-1.050338544	-1.176665833	33.047554	31.503328	26.393658	6.72329619	6.65312707	6.49099484	4109	5227	4295
148413	NR_015434	LOC148413	uncharacterized LOC148413	1.128035707	-1.176997359	9.319624	10.529037	7.438482	4.07625981	4.2403589	3.85616495	623	939	651
57147	NM_020423,NM_181093	SCYL3	SCY1 like pseudokinase 3	1.048640685	-1.177073083	6.303361	6.584589	5.030597	4.26009342	4.32512669	4.03812306	713	999	745
5515	NM_002715	PPP2CA	protein phosphatase 2 catalytic s	1.165960705	-1.177092859	121.268913	141.550522	96.812225	8.29035074	8.51121563	8.05593612	12252	19087	12802
153733	NM_001040440,NM_152549	CCDC112	coiled-coil domain containing 112	-1.266708717	-1.177311232	7.269753	5.739499	5.786912	4.22318689	3.90250283	4.00128413	694	732	725
84166	NM_001330552,NM_032206	NLRC5	NLR family CARD domain contai	-1.57576684	-1.177338554	5.571004	5.534036	4.44566	5.22882245	4.59467379	5.00008264	1433	1215	1497
4343	NM_001130079,NM_001286072	MOV10	Mov10 RISC complex RNA helica	1.173187958	-1.177450971	45.527954	52.941062	36.117883	7.25749696	7.48654238	7.02349736	5968	9355	6234
81932	NM_001304509,NM_001304510	HDHD3	haloacid dehalogenase like hydr	-1.101276885	-1.177455134	25.446	22.85471	21.197211	5.35808361	5.22245468	5.12862225	1571	1906	1641
10336	NM_001317836,NM_006315	PCGF3	polycomb group ring finger 3	-1.11558728	-1.17764059	15.194465	13.657073	12.110966	6.50883804	6.35285968	6.27574222	3536	4235	3693
79667	NR_026804	KLF3-AS1	KLF3 antisense RNA 1	-1.097033567	-1.177667222	0.250984	0.225643	0.198792	0.66524311	0.61708849	0.58209675	23	28	24
55008	NM_001165136,NM_017912	HERC6	HECT and RLD domain containir	-1.871222934	-1.177770087	5.998079	3.166364	4.761119	4.5509035	3.69943092	4.32571472	881	629	920
103344931	NR_120684	LOC103344931	uncharacterized LOC103344931	1.089585511	-1.17785106	1.256782	1.370117	1.004231	2.63136183	2.73592201	2.43591723	204	297	213
2597	NM_001256799,NM_001289745	GAPDH	glyceraldehyde-3-phosphate deh	1.000192813	-1.178017834	3956.606074	3960.246739	3155.247219	12.39848064	12.39875874	12.1621667	211927	283215	221267
65005	NM_001300733,NM_031420,NR	MRPL9	mitochondrial ribosomal protein L	1.038084757	-1.178044306	35.909837	37.679763	28.596538	5.86441029	5.91742821	5.63240621	2248	3118	2347
150209	NM_001018060,NM_001146288	AIFM3	apoptosis inducing factor, mitoch	2.055154302	-1.178066781	6.651487	13.772555	5.241134	4.00480921	4.99729182	3.78425716	591	1623	617
55314	NM_018342	TMEM144	transmembrane protein 144	-1.486643427	-1.178079858	4.12287	2.776571	3.287687	3.84009957	3.3161202	3.62144026	523	470	546
125150	NM_001042697,NM_001042698	ZSWIM7	zinc finger SWIM-type containing	-1.430255936	-1.178083922	4.842112	3.396382	3.885649	3.36057263	2.90334193	3.14885876	364	340	380
1140	NM_000747	CHRNB1	cholinergic receptor nicotinic beta	1.268459951	-1.178176143	0.492961	0.62093	0.393567	1.11880553	1.31437719	0.99569924	46	78	48
55080	NM_001351355,NM_018009,NR	TAPBPL	TAP binding protein like	1.160058102	-1.17836008	15.711054	18.081609	12.388852	4.88399419	5.09145262	4.6558773	1120	1736	1169
79714	NM_001256964,NM_001256965	CCDC51	coiled-coil domain containing 51	-1.034735151	-1.178411488	10.300438	10.12661	8.25729	4.06532627	4.01904684	3.84373298	618	798	645
286527	NM_001350211,NM_001350212	TMSB15B	thymosin beta 15B	1.675057121	-1.178431699	2.820503	4.632543	1.662044	1.74129091	2.30073045	1.57922529	92	206	96
1564	NM_001348386,NR_002570,NR	CYP2D7	cytochrome P450 family 2 subfar	-1.035630275	-1.178845305	1.797843	1.74549	1.440621	2.3579234	2.31737991	2.16988427	162	209	169
23408	NM_001193267,NM_001242827	SIRT5	sirtuin 5	1.210049172	-1.178901638	5.299858	6.286476	4.897822	4.43336854	4.69682839	4.20778788	809	1308	844
7251	NM_006292	TSG101	tumor susceptibility 101	-1.549764472	-1.179234464	79.787788	51.541073	63.581585	6.92213328	6.29659183	6.68640722	4722	4071	4925
7263	NM_001270483,NM_003312	TST	thiosulfate sulfurtransferase	1.229415656	-1.179424794	59.103611	72.74279	47.082439	6.05387759	6.34780345	5.81967417	2569	4220	2679
6502	NM_001243120,NM_005983,NM	SKP2	S-phase kinase associated prote	1.097835406	-1.179521623	6.398002	7.273179	5.807314	4.19336823	4.32100453	3.96921401	679	996	708
64841	NM_198066	GNPNAT1	glucosamine-phosphate N-acetyl	1.032927328	-1.179526801	22.443855	23.208763	17.876976	6.44024851	6.48645901	6.20501134	3370	4651	3514
58492	NM_021217	ZNF77	zinc finger protein 77	-1.094462681	-1.179555807	6.910949	6.314111	5.498519	3.88058045	3.75955568	3.65976826	539	658	562
29123	NM_001256182,NM_001256183	ANKRD11	ankyrin repeat domain 11	-1.016288622	-1.179616816	38.611386	36.734785	28.991898	8.22676055	8.2035286	7.98930454	11722	15411	12222
9701	NM_001242898,NM_001242899	PPP6R2	protein phosphatase 6 regulatory	1.018009888	-1.179646426	12.249014	12.564356	9.782371	5.64404118	5.66928366	5.41084548	1924	2617	2006
65260	NM_023077	COA7	cytochrome c oxidase assembly f	1.120868962	-1.179885507	7.872251	8.840347	6.269538	4.1064401	4.26202234	3.88273891	637	954	664
64434	NM_138400	NOM1	nucleolar protein with MIF4G dor	-1.490339335	-1.179960581	8.233822	5.531357	6.5571	5.63593514	5.0744123	5.40239335	1913	1715	1994
3843	NM_002271	IPO5	importin 5	-1.049000755	-1.179978769	21.001051	20.0439	16.725603	6.95122956	6.88278346	6.71455945	4819	6138	5023
7389	NM_000374,NR_036510	UROD	uroporphyrinogen decarboxylase	1.11564154	-1.180226991	31.54502	35.313408	25.027366	5.47753469	5.6320572	5.24427765	1710	2549	1782
25840	NM_014033	METTL7A	methyltransferase like 7A	-1.002496221	-1.180317956	4.775183	4.764867	3.800275	4.06751962	4.06413701	3.84373298	619	825	645
223082	NM_147128	ZNRF2	zinc and ring finger 2	-1.94032052	-1.180850545	4.726562	2.439236	3.765173	4.08278037	3.20419534	3.85822657	626	431	652
84292	NM_001099737,NM_032332,NR	WDR83	WD repeat domain 83	1.000091425	-1.180891867	9.242317	9.04292	6.750021	3.66286259	3.6529841	3.44338646	458	612	477
3902	NM_002286	LAG3	lymphocyte activating 3	-2.220212969	-1.181002994	3.491138	1.571228	2.776402	2.95890107	2.01797632	2.75199454	266	160	277
7915	NM_001080,NM_170740	ALDH5A1	aldehyde dehydrogenase 5 famil	-1.283043331	-1.181086282	5.143511	4.035097	4.110046	4.74838854	4.40389042	4.51793371	1016	1058	1058
7849	NM_003466,NM_013952,NM_01	PAX8	paired box 8	2.379757536	-1.181212589	0.312552	0.808615	0.248356	1.16869613	1.99055518	1.03996283	49	156	51
8448	NM_001282062,NM_001282063	DOC2A	double C2 domain alpha	-1.130915425	-1.181310695	12.106825	10.813034	9.628794	4.65229204	4.48227194	4.42223881	948	1120	987
51596	NM_001014433,NM_001014837	CUTA	cutA divalent cation tolerance ho	-1.138966294	-1.181334966	61.884587	54.875	49.95497	5.91766008	5.73323878	5.68155094	2334	2738	2430
9050	NM_024430	PSTPIP2	proline-serine-threonine phospha	-1.002090244	-1.181538926	1.266441	1.26701	1.009544	2.24618091	2.24380223	2.05953665	147	196	153
9646	NM_001346279,NM_014633	CTR9	CTR9 homolog, Paf1/RNA polym	-1.100094165	-1.181653444	21.61416	19.661548	17.168058	6.60936173	6.47320892	6.37122872	3794	4608	3949
109	NM_001320613,NM_004036	ADCY3	adenylate cyclase 3	-1.027982672	-1.181711806	13.279875	12.937276	10.56328	5.95841587	5.91924724	5.72173543	2402	3122	2500
6621	NM_003086	SNAPC4	small nuclear RNA activating con	1.389343073	-1.181849436	13.250576	18.433765	10.537092	5.93337942	6.40116956	5.69660757	2360	4381	2456
2302	NM_001454	FOXJ1	forkhead box J1	1.539797094	-1.181965081	1.709549	2.64097	1.357214	2.43469539	2.96099164	2.24113096	173	356	180
56984	NM_020232,NM_147163	PSMG2	proteasome assembly chaperone	-1.201673203	-1.181995554	80.966666	67.478143	64.381723	6.48483163	6.22302312	6.24652731	3477	3866	3618
388228	NM_001024401	SBK1	SH3 domain binding kinase 1	1.206973713	-1.182068767	0.648306	0.784473	0.516325	2.05603457	2.26684378	1.87636985	124	200	129
55689	NM_001351369,NM_001351370	YEATS2	YEATS domain containing 2	1.368670715	-1.182111747	16.02843	21.979957	12.482373	6.65091025	7.09982388	6.41214851	3906	7143	4064
3038	NM_001199280,NM_005329,NM	HAS3	hyaluronan synthase 3	-1.336059709	-1.182124381	4.675517	3.505077	4.474048	4.36010717	3.96547676	4.1314271	767	767	798
101928504	NR_135252	LOC101928504	uncharacterized LOC101928504	1.46593428	-1.182147087	0.631526	0.928409	0.505768	1.18495016	1.52015496	1.05442063	50	98	52
56910	NM_020151	STARD7	StAR related lipid transfer domain	1.098721319	-1.18215962	32.567963	35.826298	25.890993	6.75698258	6.59161234	6.51797857	4207	6176	4377
5305	NM_001330062,NM_005028	PIP4K2A	phosphatidylinositol-5-phosphate	1.187761167	-1.182248641	6.936912	8.251524	5.514142	4.74975504	4.98952124	4.51793371	1017	1614	1058
57410	NM_001048218,NM_020680	SCYL1	SCY1 like pseudokinase 1	1.124133059	-1.182275594	32.563535	36.620842	25.827708	6.39947667	6.56640623	6.16101314	3275	4919	3407
29062	NM_014149	WDR91	WD repeat domain 91	-1.610349094	-1.182455477	2.259031	1.401721	1.795057	3.48064928	2.86987209	3.26218696	399	331	415
26272	NM_001297437,NM_012176,NM	FBXO4	F-box protein 4	1.061392236	-1.182542079	4.826856	5.049425	3.826431	3.00082115	3.07634485	2.79136857	275	390	286
51441	NM_001172828,NM_001173128	YTHDF2	YTH N6-methyladenosine RNA b	1.070352976	-1.182706225	47.350383	46.34531	36.792139	7.02079481	7.11815303	6.78072565	5059	7235	5261
8893	NM_003907	EIF2B5	eukaryotic translation initiation fa	-1.034751739	-1.182717078	30.530216	29.535965	24.251188	6.44531763	6.3966066	6.2062258	3382	4367	3517
55262	NM_001303470,NM_018275	C7orf43	chromosome 7 open reading fran	-1.497925468	-1.182769798	11.566689	7.759883	9.177862	4.89515141	4.33606188	4.66179103	1129	1007	1174
101929580	NR_135738	GTF2IP23	general transcription factor III pse	-1.253198711	-1.182909632	1.918126	1.525158	1.52053	1.55375576	1.34717796	1.39836968	76	81	79
100500804	NR_037427_chr11,NR_037427_	MIR3654	microRNA 3654	1.100428163	-1.183046411	23.513235	26.194986	18.753134	1.2010231	1.28081328	1.06873498	51	75	53
10714	NM_006591,NR_046409,NR_04	POLD3	DNA polymerase delta 3, access	1.088126014	-1.183054121	12.069973	13.100271	9.273785	5.52379552	5.64310623	5.28699192	1767	2569	1837
200014	NM_001330585,NM_032449	CC2D1B	coiled-coil and C2 domain contai	1.009683492	-1.183102593	9.472474	9.503995	7.537961	5.67817204	5.69180565	5.44073202	1971	2659	2049
85359	NM_033257	DGCR6L	DiGeorge syndrome critical regio	1.215790561	-1.183121687	10.861599	13.223682	8.630598	3.79580649	4.05919602	3.57205238	506	822	526
100527963	NM_001199661,NM_001199662	PMF1-BGLAP	PMF1-BGLAP readthrough	1.154933635	-1.183155507	3.364853	4.016321	2.730392	2.0823043	2.24380223	1.90057841	127	196	132
8479	NM_001197323,NM_003609	HIRIP3	HIRA interacting protein 3	1.312362725	-1.183282686	13.383023	17.745148	10.308669	5.29021237	5.67360076	5.05414007	1497	2625	1556
285830	NR_026972,NR_026973	HLA-F-AS1	HLA-F antisense RNA 1	1.589929989	-1.18350687	1.748336	2.793743	1.387228	2.09095564	2.62883416	1.90855849	128	272	133
83743	NM_031485	GRWD1	glutamate rich WD repeat contain	1.352103988	-1.183709208	17.732075	24.000875	14.074002	5.4399354	5.86648449	5.20269596	1665	3008	1730
10425	NM_001317333,NM_001317334	ARIH2	ariadne RBR E3 ubiquitin protein	-1.034331335	-1.183743073	25.626355	24.690581	19.058101	6.50924151	6.46108525	6.2687844	3537	4569	3675
10965	NM_006821,NR_046028	ACOT2	acyl-CoA thioesterase 2	-1.107710748	-1.183801726	12.928032	11.883399	10.332394	4.53830704	4.39737979	4.30621424	873	1053	907
100506737	NR_131244	LINC01589	long intergenic non-protein codin	-1.133795024	-1.184505519	7.139816	6.306775	5.66094	2.32162912	2.17847216	2.1294865	157	185	163
55332	NM_018370	DRAM1	DNA damage regulated autophag	-2.081981583	-1.184770834	6.198373	2.979411	4.916729	4.48515183	3.49508138	4.25236388	840	539	872
145553	NM_001199821,NM_001199822	MDP1	magnesium dependent phosphat	-1.168733009	-1.184818084	15.962843	13.897172	12.516362	3.63059014	3.42511354	3.4072329	447	511	464
23256	NM_001257376,NM_001283031	SCFD1	sec1 family domain containing 1	1.010356584	-1.184896854	44.88475	45.007801	35.33895	6.60747869	6.62219199	6.36544244	3789	5115	3933

79078	NM_024097,NR_040733	C1orf50	chromosome 1 open reading fran	1.07894667	-1.184996895	8.298256	8.866535	6.47096	3.18179291	3.27976824	2.96594348	317	457	329
728441	NM_001351304	GGT2	gamma-glutamyltransferase 2	1.053141559	-1.185097498	0.269849	0.2848	0.209614	0.7550755	0.7861039	0.65979727	27	38	28
6218	NM_001021,NM_001021_dup1,N	RPS17	ribosomal protein S17	-1.079411923	-1.185163365	460.740143	459.23476	398.408071	8.31248151	8.20259533	8.06823321	12442	15401	12912
202051	NM_194296	SPATA24	spermatogenesis associated 24	-1.174339129	-1.18517217	3.066246	2.603416	2.443146	1.602974	1.45142181	1.4430085	80	91	83
54989	NM_014106	ZNF770	zinc finger protein 770	-1.014625474	-1.185227727	11.076495	10.929176	8.781211	5.90115281	5.88055759	5.66044042	2307	3038	2394
9666	NM_014648	DZIP3	DAZ interacting zinc finger protei	1.220859375	-1.185320434	10.033641	12.263366	7.955138	5.7853302	6.06850015	5.5448789	2126	3468	2206
5440	NM_005034	POLR2K	RNA polymerase II subunit K	-1.448553818	-1.185385	75.993637	52.506802	60.248295	6.18693619	5.66115412	5.94523646	2821	2602	2927
761	NM_005181	CA3	carbonic anhydrase 3	-1.50164333	-1.185552145	0.792263	0.535658	0.637989	1.24819466	0.93737891	1.11084509	54	48	56
151176	NM_001291832	ERFE	erythroferrone	1.055026927	-1.185574878	5.779451	6.111972	4.581244	4.11706758	4.19001636	3.88678411	642	905	666
112936	NM_052875	VPS26B	VPS26, retromer complex compc	-1.977263546	-1.18562133	15.760734	7.977328	12.489781	5.86441029	4.90483992	5.62334321	2248	1519	2332
5993	NM_000449,NM_001025603	RFX5	regulatory factor X5	-1.155537285	-1.185637788	21.111044	18.300641	16.743776	6.23505098	6.02945501	5.99292867	2918	3374	3027
9577	NM_001261840,NM_001329112	BABAM2	BRISC and BRCA1 A complex m	1.078042222	-1.185809152	16.626327	18.127872	13.490869	4.96034122	5.06540544	4.72302988	1183	1704	1227
169792	NM_001042413,NM_152629	GLIS3	GLIS family zinc finger 3	-1.024846396	-1.18526007	0.459306	0.450199	0.364401	2.15010456	2.12272838	1.96321628	135	176	140
1072	NM_005507	CFL1	cofilin 1	1.150203811	-1.185900717	655.784424	755.136475	519.658691	9.65032408	9.85197978	9.40467361	31510	48425	32680
27436	NM_001145076,NM_019063	EML4	echinoderm microtubule associat	1.093731005	-1.186207906	22.463135	24.594893	17.792303	6.93810392	7.06635603	6.69392988	4775	6978	4951
25864	NM_015407	ABHD14A	abhydrolase domain containing 1	-1.636564627	-1.186277622	8.994252	5.484768	7.119893	3.42014445	2.79259185	3.19852188	381	311	395
339541	NM_001145636	C1orf228	chromosome 1 open reading fran	-1.165427729	-1.18637464	2.542078	2.181822	2.011256	2.37218925	2.19658485	2.1765086	164	188	170
10195	NM_001006941,NM_005787,NR	ALG3	ALG3, alpha-1,3- mannosyltransf	1.246338814	-1.186531755	48.890387	61.43454	38.85539	6.21193794	6.52579291	5.96880267	2871	4781	2976
10325	NM_006064,NM_016656	RRAGB	Ras related GTP binding B	1.16954475	-1.186594874	3.030052	3.555714	2.403011	2.86618866	3.06324294	2.65571422	247	386	256
85465	NM_033505,NR_137633	SELENOI	selenoprotein I	-1.000025599	-1.186701965	10.513785	10.531675	8.324195	6.39599007	6.39595357	6.1522182	3267	4365	3386
1465	NM_001193570,NM_001193571	CSRP1	cysteine and glycine rich protein	1.07621397	-1.18696123	18.182936	19.50592	14.351923	5.1492545	5.2523455	4.90954071	1354	1947	1403
26240	NM_012135	FAM50B	family with sequence similarity 5(	-1.079286994	-1.186993095	10.497228	9.736529	8.311473	4.16292023	4.05919602	3.93054845	664	822	688
113115	NM_001099286,NM_001318738	MTFR2	mitochondrial fission regulator 2	-1.202473934	-1.187034343	10.934017	9.719651	9.068913	4.27345604	4.02243562	4.03994054	720	800	746
100533105	NM_001204173	C8orf44-SGK3	C8orf44-SGK3 readthrough	-1.21136004	-1.187471296	2.724397	2.25247	2.158976	3.71416279	3.46052158	3.48667429	476	525	493
11093	NM_139025,NM_139026,NM_13	ADAMTS13	ADAM metallopeptidase with thro	1.216062466	-1.187543387	4.955355	6.171457	3.632061	4.44015563	4.71054878	4.20455055	813	1321	842
55748	NM_001168499,NM_018235	CNDP2	carnosine dipeptidase 2	-1.382482248	-1.187699305	28.249079	20.428735	22.280914	7.1289776	6.66564285	6.8827358	5456	5273	5650
23307	NM_015258	FKBP15	FK506 binding protein 15	1.051067457	-1.187748494	20.213488	21.272608	15.993267	6.4321858	6.50323133	6.18708076	3351	4706	3470
101926917	NR_136286	ANKRD18CP	ankyrin repeat domain 18C, pseu	1.430408679	-1.187803654	0.379066	0.540797	0.298953	1.29387258	1.62195412	1.15176086	57	109	59
619568	NR_002588	SNORA4	small nucleolar RNA, H/ACA box	-1.045764119	-1.188478715	158.707077	152.088562	125.61245	4.47196531	4.41037179	4.23501577	832	1063	861
283345	NR_002803	RPL13P5	ribosomal protein L13 pseudogen	-2.492955691	-1.188504238	2.398034	0.95918	1.910848	1.30878272	0.669904	1.16514558	58	31	60
129025	NM_080740	ZNF280A	zinc finger protein 280A	1.276989111	-1.188504238	0.701689	0.892796	0.553818	1.30878272	1.52971203	1.16514558	58	99	60
11194	NM_001282291,NM_001282292	ABCB8	ATP binding cassette subfamily E	-1.57053795	-1.188607065	9.78528	6.331648	7.79903	5.51417891	4.88077062	5.27083173	1755	1493	1816
8667	NM_003756	EIF3H	eukaryotic translation initiation fa	-1.108401877	-1.18866265	392.379852	354.411072	310.203094	8.93106093	8.78289936	8.68227753	19124	23053	19788
22948	NM_001306153,NM_001306154	CCT5	chaperonin containing TCP1 sub	1.024902942	-1.188721436	100.81077	103.228581	78.729452	8.46917842	8.50456706	8.22053363	13874	18999	14355
84632	NM_001001936,NM_001287824	AFAP1L2	actin filament associated protein	2.008767205	-1.188854583	5.167752	10.324849	4.065499	4.38670105	5.35805128	4.15005835	782	2099	809
64429	NM_001303134,NM_001351082	ZDHHC6	zinc finger DHHC-type containing	-1.202844914	-1.188943377	28.497684	23.765362	22.698013	5.97895271	5.71712177	5.73357571	2437	2707	2521
79915	NM_024857	ATAD5	ATPase family, AAA domain con	-1.200229058	-1.18915495	10.666974	8.897248	8.4315	6.17630487	5.9169731	5.93012593	2800	3117	2896
79582	NM_001025436,NM_024532,NR	SPAG16	sperm associated antigen 16	1.289810495	-1.189214923	21.200315	27.385894	16.883614	4.79678491	5.15226631	4.55653526	1052	1813	1088
51400	NM_001271593,NM_016147	PPME1	protein phosphatase methylester	1.37060641	-1.189295275	27.093918	37.171299	21.401636	6.18137717	6.63082098	5.93501761	2810	5146	2906
2017	NM_001184740,NM_005231,NM	CTTN	cortactin	-1.001605135	-1.189400736	119.319217	119.157179	93.77006	8.52351383	8.52120624	8.27401919	14408	19220	14899
65980	NM_001009877,NM_001317951	BRD9	bromodomain containing 9	-1.1763244	-1.189528543	21.039387	17.919015	16.713051	5.85808894	5.62816997	5.61239193	2238	2542	2314
112755	NM_052874	STX1B	syntaxin 1B	1.117509715	-1.18957048	0.82814	0.926218	0.650198	2.25390578	2.38212036	2.05953665	148	221	153
2580	NM_001318134,NM_005255	GAK	cyclin G associated kinase	-1.10369295	-1.189865657	42.552298	38.575747	33.607232	7.5591454	7.41759738	7.30979425	7365	8916	7613
2135	NM_001033025,NM_001261440	EXTL2	exostosin like glycosyltransferas	1.307167978	-1.189870073	7.79589	10.200575	6.116795	4.65666933	5.02964715	4.41665393	951	1661	983
8824	NM_003869,NM_198061,NR_03	CES2	carboxylesterase 2	1.137950423	-1.189951412	6.195533	6.819215	4.736357	4.65958016	4.83910025	4.41944907	953	1449	985
5534	NM_000945	PPP3R1	protein phosphatase 3 regulatory	1.137410583	-1.189963832	26.647491	30.33997	21.041172	6.30598848	6.48952306	6.05850059	3067	4961	3170
10726	NM_006600	NUDC	nuclear distribution C, dynein cor	1.209652717	-1.190013884	93.768845	113.561913	74.053558	7.3796966	7.6527914	7.13035863	6499	10504	6717
3633	NM_001297434,NM_001350227	INPP5B	inositol polyphosphate-5-phospha	1.017050847	-1.190034486	7.497151	7.109178	5.908295	4.90131278	4.92489722	4.65942844	1134	1541	1172
9187	NM_001254740,NM_001301031	SLC24A1	solute carrier family 24 member 1	-1.153706766	-1.190066185	1.72696	2.006522	1.248392	3.22958708	3.04669644	3.00740444	329	381	340
3931	NM_000229	LCAT	lecithin-cholesterol acyltransferas	-1.252380671	-1.190126845	9.252154	7.393457	7.302317	3.72253824	3.42511354	3.49199507	479	511	495
100996939	NM_032906	PYURF	PIGY upstream reading frame	-1.06002375	-1.190193876	41.031384	38.747841	32.39901	5.78599633	5.70346404	5.53974996	2127	2681	2198
10440	NM_006335	TIMM17A	translocase of inner mitochondria	1.01254845	-1.190275114	53.483776	54.211391	42.221226	6.44952833	6.46731524	6.20136181	3392	4589	3505
54148	NM_017446,NM_080794	MRPL39	mitochondrial ribosomal protein L	-1.10380866	-1.190522713	36.50725	33.102475	28.809751	5.30330016	5.16458753	5.05862945	1511	1829	1561
284359	NM_001321864,NM_001321865	IZUMO1	izumo sperm-egg fusion 1	-1.4261675	-1.190678175	0.694932	0.379668	0.530783	0.83964067	0.63490936	0.73352601	31	29	32
5437	NM_001278698,NM_001278699	POLR2H	RNA polymerase II subunit H	1.087434176	-1.19099011	123.933003	142.654065	104.800556	7.54229052	7.66259786	7.2916023	7279	10576	7517
252983	NM_178509	STXBP4	syntaxin binding protein 4	1.285244214	-1.191002819	1.193786	1.533714	0.93924	3.00540462	3.32712361	2.78704637	276	474	285
1936	NM_001130053,NM_001130055	EEF1D	eukaryotic translation elongation	-1.006912455	-1.191315232	326.145172	323.635335	268.020342	8.8983199	8.88840249	8.64634137	18694	24806	19300
5902	NM_001278639,NM_001278640	RANBP1	RAN binding protein 1	1.075993947	-1.191330883	76.305841	79.491648	58.789161	6.47660236	6.58113081	6.22711565	3457	4970	3569
7771	NM_001083335,NM_001348281	ZNF112	zinc finger protein 112	1.281512413	-1.191431074	2.599123	3.374867	2.068137	3.38891307	3.71626888	3.16227031	372	637	384
23218	NM_015175	NBEAL2	neurobeachin like 2	-1.351249565	-1.191529065	23.811829	17.641199	18.779875	7.68429855	7.25245928	7.43282335	8036	7946	8295
84727	NM_001146316,NM_001319670	SPLA/ryanodine receptor domain a	-1.365264143	-1.191531049	6.917041	5.046849	5.400815	3.3924168	2.99243508	3.16560381	373	365	385
554251	NM_001024680,NR_133923	FBXO48	F-box protein 48	1.202042342	-1.191623656	1.336652	2.518115	1.645824	1.76310734	1.95552917	1.58918956	94	151	97
9063	NM_001324046,NM_001324047	PIAS2	protein inhibitor of activated STA	1.360897833	-1.191636421	2.683944	4.015448	2.660385	4.58498718	5.01356019	4.34348418	903	1642	932
84950	NM_032864	PRPF38A	pre-mRNA processing factor 38A	1.103843759	-1.191642643	22.914383	25.321548	18.06608	5.97369967	6.11408027	5.7251283	2428	3581	2506
377	NM_001659	ARF3	ADP ribosylation factor 3	-1.087572375	-1.191823922	58.055721	53.445126	45.775387	7.65067983	7.53019529	7.39888132	7850	9644	8101
60561	NM_001346599,NM_001346600	RINT1	RAD50 interactor 1	-1.998836021	-1.191837574	17.117978	8.681224	13.304395	5.63297616	4.66248855	5.38533907	1909	1276	1970
140738	NM_183240	TMEM37	transmembrane protein 37	-1.220695978	-1.191862835	0.491636	0.405522	0.386892	0.86002952	0.73744528	0.75138414	32	35	33
144193	NM_152435	AMDHD1	amidohydrolase domain containir	1.23879597	-1.191862835	0.381027	0.47855	0.308159	0.86002952	1.00745609	0.75138414	32	53	33
29802	NM_013378	VPREB3	V-set pre-B cell surrogate light ch	-1.377481973	-1.191862835	1.421137	1.023458	1.104031	0.86002952	0.669904	0.75138414	32	31	33
168850	NM_176814	ZNF800	zinc finger protein 800	-1.7968928	-1.191865751	4.926795	2.74304	3.883471	4.49496323	3.69943092	4.25393069	846	629	873
9783	NM_014747	RIMS3	regulating synaptic membrane ex	-1.847960208	-1.191891209	0.793084	0.428877	0.626417	2.72326229	2.01116974	2.51121823	220	159	227
5001	NM_002553,NM_181747	ORC5	origin recognition complex subun	-1.16146957	-1.192081017	10.115844	8.448441	7.92924	4.28292556	4.07885924	4.04356865	725	834	748
390916	NM_001105570	NUDT19	nudix hydrolase 19	-1.253275233	-1.192454838	16.275555	12.995468	12.824581	5.58555344	5.26741889	5.3373729	1846	1968	1904
94056	NM_032796,NR_033181	SYAP1	synapse associated protein 1	-1.439771696	-1.192607353	26.79936	18.633198	21.114655	6.53878911	6.0197383	6.28764702	3611	3351	3724
572	NM_004322,NM_032989	BAD	BCL2 associated agonist of cell d	1.334395971	-1.192720302	21.428395	28.334544	17.114032	4.47527325	4.87515868	4.23342827	834	1487	860
126661	NR_033296,NR_033297,NR_03	CCDC163	coiled-coil domain containing 163	-1.480794235	-1.192904236	2.406176	1.608478	1.880215	2.57080169	2.11639955	2.36229074	194	175	200
7425	NM_003378	VGF	VGF nerve growth factor inducibl	1.016381639	-1.192951565	1.650926	1.687384	1.302691	2.3579234	2.37683491	2.16654364	162	220	167
444035	NM_001004334	GPR179	G protein-coupled receptor 179	2.19606499	-1.19297809	0.104907	0.238119	0.084687	0.88013425	1.51053416	0.76902392	33	97	34
224	NM_000382,NM_001031806	ALDH3A2	aldehyde dehydrogenase 3 famil	-1.075992895	-1.193112852	9.744484	9.073067	7.687037	5.19009033	5.08741362	4.94294958	1394	1731	1437
10775	NM_006627,NR_027368	POP4	POP4 homolog, ribonuclease P/M	-1.287130724	-1.193115967	19.763702	15.406199	15.517146	5.65939101	5.30338313	5.41014302	1945	2019	2005
2167	NM_001442	FABP4	fatty acid binding protein 4	11.77988958	-1.19313888	3.039033	36.092472	2.407434	1.80577475	4.92761082	1.62837236	98	1544	101
399473	NM_001042522,NR_073032	SPRED3	sprouty related EVH1 domain co	1.102571541	-1.193295333	0.677067	0.747419	0.528381	2.11660268	2.22627631	1.92438744	131	193	135
84866	NM_001144034,NM_001144035	TMEM25	transmembrane protein 25	1.476329951	-1.193314587	3.648711	5.35472	2.711386	3.08551061	3.59177559	2.86293141	294	580	303
54662	NM_001286772,NM_018201	TBC1D13	TBC1 domain family member 13	1.153232644	-1.193331935	9.182325	10.620775	7.229617	5.16572779	5.36607572	4.9184598	1370	2111	1412
9202	NM_001350138,NM_001350139	ZMYM4	zinc finger MYM-type containing	1.053414219	-1.193506667	9.579969	10.261069	7.621086	6.06489791	6.13888057	5.81384357	2589	3644	2668
5987	NM_006510	TRIM27	tripartite motif containing 27	-1.213720373	-1.193523515	17.910332	14.771305	14.10196	5.72199495	5.44837277	5.47203276	2033	2238	2095
8774	NM_003826	NAPG	NSF attachment protein gamma	-1.198961556	-1.193567162	22.650562	18.913424	17.835083	6.37400578	6.11566763	6.12207949	3217	3585	3315
9166	NM_001278938,NM_004215,NM	EBAG9	estrogen receptor binding site as	-1.03031801	-1.193587281	21.428371	20.713855	16.977807	5.67817204	5.63593399	5.42829662	1971	2556	2031
53373	NM_001143819,NM_001301214	TPCN1	two pore segment channel 1	-1.314060321	-1.193865772	23.47535	17.882804	18.3698	6.93570456	6.54535937	6.68234025	4767	4847	4911
100506161	NR_110613,NR_110614	TAF1A-AS1	TAF1A antisense RNA 1	1.206102454	-1.19389751	1.906372	2.299773	1.486975	1.43646263	1.61299082	1.28032816	67	108	69
1196	NM_001294338,NM_001294339	CLK2	CDC like kinase 2	-1.071316636	-1.194170093	43.081311	40.487938	33.790102	6.51045123	6.41219133	6.25750353	3540	4415	3646
54976	NM_001039140,NM_001258429	C20orf27	chromosome 20 open reading fra	1.600420932	-1.194279467	31.169461	50.04984	24.50839	5.36166293	6.02692652	5.11230382	1575	3368	1622
25895	NM_015433,NM_206914	EEF1AKMT3	EEF1A lysine methyltransferase	1.168793238	-1.194303295	4.538625	5.172102	3.405603	3.6972646	3.90617635	3.4624849	470	734	484
122509	NM_145249,NM_206949	IFI27L1	interferon alpha inducible protein	-1.396719487	-1.194344277	16.978553	12.075667	13.320907	3.60061161	3.16487058	3.36725759	437	418	450
125228	NM_001098801,NM_152352	FAM210A	family with sequence similarity 21	1.139858577	-1.194361078	9.102214	10.371623	7.112774	5.2722583	5.45653796	5.02323609	1478	2251	1522
78999	NM_024036	LRFN4	leucine rich repeat and fibronectii	1.168001607	-1.194373945	19.123611	22.361437	15.040438	5.58708313	5.80681389	5.33663373	1848	2884	1903
100289274	NR_132117	DNAJC3-AS1	DNAJC3 antisense RNA 1 (head	-1.075077093	-1.194872305	0.924401	0.859277	0.722876	1.8573935	1.78245981	1.67590018	103	128	106
200315	NM_001270406,NM_145699	APOBEC3A	apolipoprotein B mRNA editing e	-1.239516717	-1.194872305	1.849134	1.5019	1.462691	1.8573935	1.63971536	1.67590018	103	111	106
100288798	NR_125377,NR_125378,NR_12	LOC100288798	uncharacterized LOC100288798	-1.917941475	-1.194910691	3.237218	1.65377	2.452118	1.46336426	0.93737891	1.30472178	69	48	71

27030	NM_001040108,NM_014381	MLH3	mutL homolog 3	1.004268487	-1.19503414	6.263536	6.296624	4.938841	5.61434375	5.62036393	5.36300797	1884	2528	1939
7419	NM_001135694,NM_005662	VDAC3	voltage dependent anion channel	-1.186128726	-1.195034458	128.791625	108.688035	101.26689	7.59816676	7.35328757	7.34256181	7568	8525	7789
23129	NM_015103	PLXND1	plexin D1	1.409753648	-1.195147003	3.348767	4.728868	2.634002	4.57114104	5.04888386	4.32571472	894	1684	920
375260	NR_024077	WASH2P	WAS protein family homolog 2 ps	1.019396961	-1.195173308	24.351786	24.85006	19.148897	5.56784445	5.59498314	5.31653173	1823	2483	1876
8473	NM_181672,NM_181673	OGT	O-linked N-acetylglucosamine (G	1.143571424	-1.195202077	105.843601	121.154858	83.18158	9.14108329	9.3343098	8.88432601	22127	33809	22770
79134	NM_024121	TMEM185B	transmembrane protein 185B	1.350866913	-1.19529124	16.418444	22.202974	12.908062	6.58392248	7.01390728	6.32948591	3727	6727	3835
902	NM_001199189,NM_001239	CCNH	cyclin H	1.139706568	-1.195369732	28.163205	32.426725	22.359376	5.34548562	5.5298038	5.09492475	1557	2371	1602
105371807	NR_131239,NR_131240	THRA1/BTR	uncharacterized LOC105371807	-5.464132985	-1.195396214	2.586875	0.449503	2.028942	1.47662927	0.40498891	1.31676564	70	17	72
388886	NM_207644	LRRC75B	leucine rich repeat containing 75I	-1.05902064	-1.195417825	9.510094	8.987572	7.47541	3.64240927	3.56646274	3.4072329	451	569	464
26512	NM_001039937,NM_001039938	INTS6	integrator complex subunit 6	1.210161969	-1.195428188	6.886851	7.684053	5.061652	5.40913411	5.6784421	5.15820771	1629	2634	1676
23162	NM_001040439,NM_001318852	MAPK8IP3	mitogen-activated protein kinase	-1.132900721	-1.195551002	45.746646	40.401591	35.952758	7.97021914	7.79096	7.71366484	9806	11565	10088
23219	NM_001136115,NM_015176,NR	FBXO28	F-box protein 28	-1.100777212	-1.195653502	16.149753	14.668653	12.686694	6.43133447	6.29449105	6.17679276	3349	4065	3445
5724	NM_000952,NM_001164721,NM	PTAFR	platelet activating factor receptor	-2.141252703	-1.195707955	2.544414	1.185982	2.071775	3.54817338	2.58366954	3.31417746	420	262	432
6535	NM_001142805,NM_001142806	SLC6A8	solute carrier family 6 member 8	1.237682361	-1.195955965	15.068781	18.364592	11.570984	5.7037794	6.00610962	5.45101358	2007	3319	2064
85446	NM_033400	ZFHX2	zinc finger homeobox 2	2.275965735	-1.196053273	0.402046	0.921953	0.317806	2.20692365	3.20717639	2.00847214	142	432	146
7874	NM_001286457,NM_001286458	USP7	ubiquitin specific peptidase 7	1.16426575	-1.196057185	32.713005	37.988555	25.712116	7.43276864	7.65101367	7.17611376	6744	10491	6935
3437	NM_001031683,NM_001289758	IFIT3	interferon induced protein with te	-2.66237129	-1.196095406	25.389238	9.677555	19.985385	6.00092376	4.62508404	5.74698953	2475	1242	2545
84705	NM_001128855,NM_001195422	GTPBP3	GTP binding protein 3 (mitochond	-1.045972729	-1.196119323	17.215842	16.584752	13.569092	5.49719403	5.43381248	5.24506567	1734	2215	1783
200895	NM_001195643,NM_176815	DHFR2	dihydrofolate reductase 2	1.251204835	-1.196207412	2.127784	2.637919	1.669754	3.19389071	3.48529134	2.96594348	320	535	329
203069	NM_001136108,NM_001301650	R3HCC1	R3H domain and coiled-coil conta	1.113501635	-1.196219807	8.771393	9.844469	6.892499	3.86553291	4.01053992	3.62628732	533	793	548
9303	NR_002565	SNORD25	small nucleolar RNA, C/D box 25	1.599926444	-1.196327967	27.781132	44.874874	21.878689	1.50279892	1.97664665	1.34055586	72	154	74
80765	NM_181900,NR_135013	STARD5	StAR related lipid transfer domain	1.132820827	-1.196748369	2.158193	2.500791	1.690151	1.91699278	2.05153568	1.73094093	109	165	112
143570	NM_001270380,NM_001270381	XRRA1	X-ray radiation resistance associ	-1.545181998	-1.196796614	3.803005	2.470734	2.984247	4.20934818	3.62336263	3.96539376	687	594	706
7156	NM_001320759,NM_004618	TOP3A	topoisomerase (DNA) III alpha	1.155322498	-1.196843239	4.382072	5.072195	3.440929	4.88648104	5.08822232	4.63678882	1122	1732	1153
348801	NM_001085451	LNP1	leukemia NUP98 fusion partner 1	1.515605571	-1.196854256	0.434859	0.658386	0.339659	0.95786335	1.28081328	0.83750224	37	75	38
6626	NM_004596	SNRPA	small nuclear ribonucleoprotein p	-1.1146951	-1.196972495	89.819473	80.667427	70.50972	7.16450379	7.00900446	6.90708762	5593	6704	5747
55049	NM_001100418,NM_001100419	C19orf60	chromosome 19 open reading fra	-1.453195898	-1.197042909	33.938416	23.433993	27.011427	4.89515141	4.37766975	4.64517113	1129	1038	1160
122786	NM_001042481,NM_001267046	FRMD6	FERM domain containing 6	1.024355639	-1.197253248	6.767587	7.114248	5.445712	5.07379588	5.10749649	4.82246845	1283	1756	1318
203522	NM_001351601,NM_001351603	INTS6L	integrator complex subunit 6 like	1.107234013	-1.197746622	3.800267	4.420873	3.023242	3.92963473	4.06742162	3.68786049	559	827	574
10399	NM_006098	RACK1	receptor for activated C kinase 1	1.065761549	-1.19794621	1166.112061	1244.174561	914.748718	10.29933772	10.39115195	10.03900055	49433	70392	50753
140823	NM_080748	ROMO1	reactive oxygen species modulat	-1.110635454	-1.198033987	142.824814	128.711365	112.001411	6.02482449	5.87588179	5.76852445	2517	3028	2584
114926	NM_001135674,NM_001135675	SMIM19	small integral membrane protein	-1.410550147	-1.198262082	21.479184	15.107595	16.13903	4.53514067	4.06413701	4.28644656	871	825	894
57654	NM_001317934,NM_001317935	UVSSA	UV stimulated scaffold protein A	-1.340958171	-1.198273314	11.058985	8.24982	8.691425	5.64917596	5.2356538	5.39389141	1931	1924	1982
23503	NM_015346	ZFYVE26	zinc finger FYVE-type containing	1.121784909	-1.19827737	4.708213	5.289433	3.692237	5.50368806	5.66603734	5.24899932	1742	2611	1788
401321	NR_036501	LINC00997	long intergenic non-protein codin	-2.118348156	-1.198578063	3.018151	1.426804	2.368231	3.8730763	2.89597101	3.63111814	536	338	550
54853	NM_017706	WDR55	WD repeat domain 55	1.106111051	-1.198592256	16.287899	18.04014	12.768388	5.38998216	5.53218306	5.13543833	1607	2375	1649
153364	NM_203406	MBLAC2	metallo-beta-lactamase domain c	-1.302187088	-1.198728316	2.347846	1.80472	1.840319	3.43381096	3.09255667	3.19852188	385	395	395
58490	NM_021215	RPRD1B	regulation of nuclear pre-mRNA c	-1.012236077	-1.198865346	27.638849	27.33539	21.665611	6.71702247	6.69964401	6.45806964	4091	5400	4197
6294	NM_001201338,NM_001201339	SAFB	scaffold attachment factor B	1.109688676	-1.198988982	49.641812	55.146591	38.848283	7.23864191	7.38785491	6.97871772	5890	8733	6042
54494	NM_001271562,NM_019021	C11orf71	chromosome 11 open reading fra	-1.57630698	-1.199015213	6.544011	4.153522	5.130678	3.79315817	3.19521507	3.5518139	505	428	518
51691	NM_016200	LSM8	LSM8 homolog, U6 small nuclear	-1.624089363	-1.199073815	3.816051	2.351793	2.990684	5.57093993	4.89007563	5.3150315	1827	1503	1874
5366	NM_021127	PMAIP1	phorbol-12-myristate-13-acetate-	-1.470192183	-1.199177101	36.883751	25.109612	28.900845	6.14029041	5.59384468	5.88230216	2730	2481	2800
100128071	NM_001167676	FAM229A	family with sequence similarity 22	-1.024758507	-1.199227368	2.939294	2.865875	2.299815	1.59082596	1.5673195	1.42086173	79	103	81
152503	NM_001009555,NM_001128923	SH3D19	SH3 domain containing 19	1.082720176	-1.199356551	7.316955	6.8567	5.906275	5.04403172	5.1553565	4.7904378	1256	1817	1288
132320	NM_001300897,NM_001300898	SCLT1	sodium channel and clathrin linke	1.014031947	-1.199412623	9.258364	9.357046	7.308683	4.64643492	4.66574286	4.39551594	944	1279	968
56943	NM_001193557,NM_020189,NR	ENY2	ENY2, transcription and export co	1.115244077	-1.199460362	33.542135	37.359433	26.179845	6.58889365	6.74470783	6.32948591	3740	5573	3835
57139	NM_001035223,NM_001161616	RGL3	ral guanine nucleotide dissociatic	1.062055112	-1.199526521	56.333506	59.840703	44.13081	7.1363099	7.22257085	6.87588368	5484	7782	5623
57862	NM_001242924,NM_001242926	ZNF410	zinc finger protein 410	-1.048663141	-1.199560775	21.077493	20.233837	16.49009	5.76384974	5.69658638	5.50661727	2094	2668	2147
100131017	NM_001278559	ZNF316	zinc finger protein 316	-1.195515905	-1.199628972	9.587663	8.028501	7.508143	6.09960764	5.8460706	5.84120116	2653	2965	2720
4548	NM_000254,NM_001291939,NM	MTR	5-methyltetrahydrofolate-homocy	-1.074418354	-1.199806395	8.290303	7.815126	6.506707	6.43005653	6.32774187	6.17058457	3346	4161	3430
51522	NM_001165258,NM_016462	TMEM14C	transmembrane protein 14C	-1.131970564	-1.199883701	48.079753	42.499108	37.640848	5.80583878	5.63039253	5.54807524	2157	2546	2211
50636	NM_001001666,NM_001001891	ANO7	anoctamin 7	1.531989338	-1.199994522	0.25566	0.398446	0.20075	1.03161781	1.37924953	0.90287695	41	84	42
80023	NM_001323679,NM_001323680	NRSN2	neurensin 2	1.531989338	-1.199994522	0.430142	0.657765	0.37239	1.03161781	1.37924953	0.90287695	41	84	42
23080	NM_015060	AVL9	AVL9 cell migration associated	-1.447264095	-1.200076909	10.121162	7.002512	7.926439	6.14237278	5.61812585	5.88331483	2734	2524	2802
81929	NM_001013437,NM_031216	SEH1L	SEH1 like nucleoporin	-1.032051382	-1.20015776	20.970648	20.190686	17.908244	6.10388823	6.05904375	5.84484461	2661	3445	2727
54758	NM_001184854,NM_001184856	KLHDC4	kelch domain containing 4	1.051623952	-1.200520679	26.572339	27.989638	20.87999	5.67025604	5.74148732	5.41224936	1960	2754	2008
29984	NM_001300886,NM_014578	RHOD	ras homolog family member D	1.158370704	-1.200611054	114.636991	133.212583	90.028813	6.99106079	7.20161067	6.72955881	4955	7669	5076
135293	NM_001010853	PM20D2	peptidase M20 domain containing	-1.295237766	-1.200653379	3.873244	2.992148	3.032688	4.23103553	3.88026307	3.9825058	698	720	715
100132352	NR_034006,NR_034006_dup1	FRG1HP	FSHD region gene 1 family mem	-1.031305457	-1.200657505	4.993958	4.863311	3.919641	2.86618866	2.8278811	2.64141996	247	320	253
9583	NM_001128930,NM_004901	ENTPD4	ectonucleoside triphosphate diph	-1.387839064	-1.200735031	13.699732	9.879677	10.730402	6.31430441	5.8484592	6.05401081	3085	2970	3160
146439	NM_001103175	BICDL2	BICD family like cargo adaptor 2	-1.082123383	-1.20078526	30.946043	28.630411	24.222591	5.79661292	5.68487205	5.5378219	2143	2646	2195
9521	NM_001135650,NM_004280	EEF1E1	eukaryotic translation elongation	1.0511044	-1.200893023	23.330865	24.162268	18.127192	4.65812548	4.72725823	4.40541889	952	1337	975
79836	NM_001031855,NM_001289109	LONRF3	LON peptidase N-terminal domai	1.373133685	-1.200999228	2.765655	3.828773	2.195045	3.24517298	3.66081122	3.0111152	333	611	341
80775	NM_001105198,NM_001105199	TMEM177	transmembrane protein 177	1.607606412	-1.201090576	8.114375	12.85951	6.174097	3.66576097	4.30717831	3.42403181	459	986	470
23413	NM_001128826,NM_014286	NCS1	neuronal calcium sensor 1	1.357453466	-1.20116563	7.003221	9.522063	5.48214	5.13154304	5.56159734	4.8753398	1337	2425	1369
151050	NM_001307976,NM_152519	KANSL1L	KAT8 regulatory NSL complex su	1.19027021	-1.201203105	1.151278	1.413686	0.905189	2.66651408	2.8811152	2.44691815	210	334	215
23648	NM_001009955,NM_018070,NM	SSBP3	single stranded DNA binding prot	1.535441452	-1.201222729	4.108649	6.303937	3.22111	3.78784692	4.36970972	3.54415067	503	1032	515
140467	NM_018083	ZNF358	zinc finger protein 358	1.01771078	-1.201308237	15.181534	15.469094	11.880196	4.90131278	4.92580232	4.64636463	1134	1542	1161
51385	NM_016089	ZNF589	zinc finger protein 589	-1.263143569	-1.201333541	4.574473	3.624838	3.57809	4.00022383	3.68667221	3.75357377	589	623	603
91695	NR_002184	RRP7BP	ribosomal RNA processing 7 hom	1.30123938	-1.201334098	4.753737	6.188631	3.716639	3.55131131	3.90250283	3.31117052	421	732	431
84456	NM_001007102,NM_001346550	L3MBTL3	l(3)mbt-like 3 (Drosophila)	1.222224953	-1.201417212	1.993556	2.442112	1.560641	3.26442151	3.52644784	3.02952715	338	552	346
835	NM_001224,NM_032982,NM_03	CASP2	caspase 2	-1.373218567	-1.201462937	18.568984	13.998214	14.757842	6.27308523	5.8224506	6.01203572	2997	2916	3068
57665	NM_020905	RDH14	retinol dehydrogenase 14 (all-tra	1.619394945	-1.201530794	20.762558	33.654625	16.23262	5.05954162	5.73839964	4.80333552	1270	2748	1300
729288	NM_001145045	ZNF286B	zinc finger protein 286B	-1.074765019	-1.201554434	1.250324	1.165279	0.978401	2.90595399	2.81621366	2.67922768	255	317	261
28971	NM_001316957,NM_001316958	AAMDC	adipogenesis associated Mth938	-1.519088227	-1.201581044	15.49151	10.163949	12.293378	3.27204958	2.74415527	3.03682664	340	299	348
9718	NM_001037324,NM_001100120	ECE2	endothelin converting enzyme 2	1.132216753	-1.201632388	12.363224	13.97799	9.636692	3.6915876	3.8576751	3.44886901	468	708	479
55230	NM_018218	USP40	ubiquitin specific peptidase 40	1.083649183	-1.201803874	17.113817	18.567703	13.38161	6.56386469	6.67858806	6.30172856	3675	5321	3761
100129460	NR_036680	DPY19L1P1	DPY19L1 pseudogene 1	-1.740206115	-1.201824096	2.358181	1.353066	1.846042	2.4278825	1.81408935	2.21562831	172	132	176
7541	NM_001143823,NM_001243702	ZBTB14	zinc finger and BTB domain conta	-1.11630934	-1.201876214	5.489489	4.915166	4.551457	4.36902637	4.2183652	4.11772436	772	924	790
23309	NM_001297595,NM_001297597	SIN3B	SIN3 transcription regulator famil	-1.064623756	-1.201886645	25.389807	23.305849	19.110666	6.78357673	6.69407677	6.5209097	4286	5379	4386
11311	NM_001279353,NM_001279354	VPS45	vacuolar protein sorting 45 homo	1.071393132	-1.20195338	19.852746	18.965802	13.917743	5.61958513	5.71712177	5.3601012	1891	2707	1935
102465694	NR_106981	MIR7161	microRNA 7161	2.124920087	-1.20207179	0.23127	0.644608	0.148428	0.03628685	0.08023518	0.02957205	1	3	1
109623480	NR_145795	SNORD173	small nucleolar RNA, C/D box 17	-1.294074149	-1.20207179	0.12453	0.063448	0.173166	0.03628685	0.02724389	0.02957205	1	1	1
693122	NR_030398	MIR421	microRNA 421	5.505337187	-1.20207179	0.074581	1.659916	0.204888	0.03628685	0.20477631	0.02957205	1	8	1
10638	NM_006542	SPHAR	S-phase response (cyclin related)	3.477086927	-1.20207179	0.019518	0.078891	0.010151	0.03628685	0.13134883	0.02957205	1	5	1
100302275	NR_031630	MIR548L	microRNA 548l	2.124920087	-1.20207179	0.280106	0.60705	0.214012	0.03628685	0.08023518	0.02957205	1	3	1
100302258	NR_031715	MIR1469	microRNA 1469	2.124920087	-1.20207179	0.518045	1.024058	0.265275	0.03628685	0.08023518	0.02957205	1	3	1
100874273	NR_046798	TGFA-IT1	TGFA intronic transcript 1	11.59008797	-1.20207179	0.020006	0.647932	0.034191	0.03628685	0.40498891	0.02957205	1	17	1
102465512	NR_106910	MIR6851	microRNA 6851	2.801003507	-1.20207179	0.09665	1.092036	0.168366	0.03628685	0.10601836	0.02957205	1	4	1
102466731	NR_106827	MIR6769A	microRNA 6769a	2.124920087	-1.20207179	0.262571	0.776302	0.249413	0.03628685	0.08023518	0.02957205	1	3	1
105379511	NR_135512	LOC105379511	nuclear receptor corepressor 1 ps	4.153170347	-1.20207179	0.088984	0.364387	0.04712	0.03628685	0.15624221	0.02957205	1	6	1
677824	NR_002975	SNORA17B	small nucleolar RNA, H/ACA box	-1.294074149	-1.20207179	0.100085	0.073797	0.112661	0.03628685	0.02724389	0.02957205	1	1	1
728640	NR_027508	FAM133CP	family with sequence similarity 13	1.448836667	-1.20207179	0.009769	0.015101	0.000746	0.03628685	0.05398282	0.02957205	1	2	1
100302159	NR_031644_chr1,NR_031644_c	MIR548F3	microRNA 548f-3	1.448836667	-1.20207179	0.06325	0.337037	0.077184	0.03628685	0.05398282	0.02957205	1	2	1
100302280	NR_031602	MIR1237	microRNA 1237	-1.294074149	-1.20207179	0.017776	0.156973	0.105743	0.03628685	0.02724389	0.02957205	1	1	1
100500840	NR_037429	MIR3656	microRNA 3656	-1.294074149	-1.20207179	0.086974	0.166578	0.164866	0.03628685	0.02724389	0.02957205	1	1	1
106635539	NR_132787_chr2,NR_132787_c	SNORA105A	small nucleolar RNA, H/ACA box	2.124920087	-1.20207179	0.142212	0.35097	0.15227	0.03628685	0.08023518	0.02957205	1	3	1
8944	NR_000007	SNORD73A	small nucleolar RNA, C/D box 73	-1.294074149	-1.20207179	0.073077	0.047125	0.037724	0.03628685	0.02724389	0.02957205	1	1	1
26787	NR_002735	SNORD61	small nucleolar RNA, C/D box 61	1.448836667	-1.20207179	0.031934	0.327004	0.21417	0.03628685	0.05398282	0.02957205	1	2	1

26790	NR_002572	SNORD58B	small nucleolar RNA, C/D box 58	-1.294074149	-1.20207179	0.188922	0.150636	0.16174	0.03628685	0.02724389	0.02957205	1	1	1
391627	NR_046416	USP17L9P	ubiquitin specific peptidase 17-lik	2.124920087	-1.20207179	0.004927	0.026282	0.005019	0.03628685	0.08023518	0.02957205	1	3	1
406883	NR_029478	MIRLET7A3	microRNA let-7a-3	-1.294074149	-1.20207179	0.122511	0.145557	0.045221	0.03628685	0.02724389	0.02957205	1	1	1
406884	NR_029479	MIRLET7B	microRNA let-7b	-1.294074149	-1.20207179	0.168716	0.116182	0.123392	0.03628685	0.02724389	0.02957205	1	1	1
406975	NR_029584	MIR198	microRNA 198	-1.294074149	-1.20207179	0.182677	0.147122	0.160986	0.03628685	0.02724389	0.02957205	1	1	1
406991	NR_029493	MIR21	microRNA 21	-1.294074149	-1.20207179	0.161856	0.122402	0.147487	0.03628685	0.02724389	0.02957205	1	1	1
407004	NR_029494	MIR22	microRNA 22	-1.294074149	-1.20207179	0.129278	0.126181	0.125795	0.03628685	0.02724389	0.02957205	1	1	1
407025	NR_029518	MIR29B2	microRNA 29b-2	-1.294074149	-1.20207179	0.186776	0.147154	0.115222	0.03628685	0.02724389	0.02957205	1	1	1
407026	NR_029832	MIR29C	microRNA 29c	-1.294074149	-1.20207179	0.139451	0.158832	0.167564	0.03628685	0.02724389	0.02957205	1	1	1
407040	NR_029610	MIR34A	microRNA 34a	-1.294074149	-1.20207179	0.009419	0.028425	0.026352	0.03628685	0.02724389	0.02957205	1	1	1
677804	NR_002958	SNORA17A	small nucleolar RNA, H/ACA box	-1.294074149	-1.20207179	0.120841	0.09193	0.106312	0.03628685	0.02724389	0.02957205	1	1	1
677835	NR_002984	SNORA56	small nucleolar RNA, H/ACA box	-1.294074149	-1.20207179	0.068525	0.055135	0.085278	0.03628685	0.02724389	0.02957205	1	1	1
677838	NR_002987	SNORA61	small nucleolar RNA, H/ACA box	-1.294074149	-1.20207179	0.154259	0.119826	0.130685	0.03628685	0.02724389	0.02957205	1	1	1
693140	NR_030282	MIR555	microRNA 555	-1.294074149	-1.20207179	0.103429	0.132158	0.093269	0.03628685	0.02724389	0.02957205	1	1	1
693149	NR_030290	MIR564	microRNA 564	-1.294074149	-1.20207179	0.06163	0.028943	0.040757	0.03628685	0.02724389	0.02957205	1	1	1
693153	NR_030293	MIR568	microRNA 568	-1.294074149	-1.20207179	0.067482	0.034146	0.111735	0.03628685	0.02724389	0.02957205	1	1	1
693185	NR_030331	MIR600	microRNA 600	-1.294074149	-1.20207179	0.071741	0.128865	0.124699	0.03628685	0.02724389	0.02957205	1	1	1
693197	NR_030343	MIR612	microRNA 612	-1.294074149	-1.20207179	0.196371	0.145071	0.156935	0.03628685	0.02724389	0.02957205	1	1	1
693206	NR_030352	MIR621	microRNA 621	-1.294074149	-1.20207179	0.117562	0.130966	0.105995	0.03628685	0.02724389	0.02957205	1	1	1
693217	NR_030362	MIR632	microRNA 632	-1.294074149	-1.20207179	0.015906	0.017935	0.015718	0.03628685	0.02724389	0.02957205	1	1	1
693224	NR_030369	MIR639	microRNA 639	-1.294074149	-1.20207179	0.007292	0.000159	0.028272	0.03628685	0.02724389	0.02957205	1	1	1
693230	NR_030375	MIR645	microRNA 645	1.448836667	-1.20207179	0.256267	0.394345	0.202114	0.03628685	0.05398282	0.02957205	1	2	1
723790	NM_001040874,NM_001040874	HIST2H2AA4	histone cluster 2 H2A family men	1.448836667	-1.20207179	0.030784	0.038001	0.022367	0.03628685	0.05398282	0.02957205	1	2	1
724028	NR_030395	MIR658	microRNA 658	-1.294074149	-1.20207179	0.02288	0.023403	0.058762	0.03628685	0.02724389	0.02957205	1	1	1
768213	NR_030407	MIR671	microRNA 671	-1.294074149	-1.20207179	0.126456	0.112368	0.109127	0.03628685	0.02724389	0.02957205	1	1	1
100126311	NR_030599	MIR147B	microRNA 147b	-1.294074149	-1.20207179	0.229663	0.15986	0.175818	0.03628685	0.02724389	0.02957205	1	1	1
100126321	NR_030627	MIR922	microRNA 922	-1.294074149	-1.20207179	0.199624	0.164572	0.186411	0.03628685	0.02724389	0.02957205	1	1	1
100126325	NR_030632	MIR935	microRNA 935	-1.294074149	-1.20207179	0.072583	0.03359	0.061328	0.03628685	0.02724389	0.02957205	1	1	1
100302132	NR_031593	MIR1182	microRNA 1182	-1.294074149	-1.20207179	0.149272	0.135653	0.137206	0.03628685	0.02724389	0.02957205	1	1	1
100302160	NR_036050,NR_036050_dup1	MIR1233-1	microRNA 1233-1	-1.294074149	-1.20207179	0.0792	0.230385	0.192164	0.03628685	0.02724389	0.02957205	1	1	1
100302183	NR_031726	MIR1825	microRNA 1825	-1.294074149	-1.20207179	0.222401	0.154746	0.167637	0.03628685	0.02724389	0.02957205	1	1	1
100302197	NR_031706	MIR1306	microRNA 1306	-1.294074149	-1.20207179	0.145956	0.116531	0.140861	0.03628685	0.02724389	0.02957205	1	1	1
100302213	NR_031592	MIR1181	microRNA 1181	-1.294074149	-1.20207179	0.1413	0.10392	0.109901	0.03628685	0.02724389	0.02957205	1	1	1
100302224	NR_031747	MIR2110	microRNA 2110	-1.294074149	-1.20207179	0.002345	0.194815	0.089189	0.03628685	0.02724389	0.02957205	1	1	1
100313843	NR_031756	MIR711	microRNA 711	-1.294074149	-1.20207179	0.091534	0.083726	0.073284	0.03628685	0.02724389	0.02957205	1	1	1
100313887	NR_031754	MIR2277	microRNA 2277	-1.294074149	-1.20207179	0.077479	0.065261	0.058423	0.03628685	0.02724389	0.02957205	1	1	1
100313892	NR_031580	MIR761	microRNA 761	-1.294074149	-1.20207179	0.118328	0.092669	0.058847	0.03628685	0.02724389	0.02957205	1	1	1
100422845	NR_036261,NR_036261_dup1	MIR1233-2	microRNA 1233-2	-1.294074149	-1.20207179	0.0819	0.23587	0.202839	0.03628685	0.02724389	0.02957205	1	1	1
100422961	NR_036271,NR_036271_dup1	MIR4315-2	microRNA 4315-2	-1.294074149	-1.20207179	0.121316	0.086785	0.090814	0.03628685	0.02724389	0.02957205	1	1	1
100423004	NR_036199,NR_036199_dup1	MIR4315-1	microRNA 4315-1	-1.294074149	-1.20207179	0.119993	0.084248	0.090183	0.03628685	0.02724389	0.02957205	1	1	1
100463482	NM_001190487	MTRNR2L6	MT-RNR2-like 6	-1.294074149	-1.20207179	0.010445	0.001356	0.006526	0.03628685	0.02724389	0.02957205	1	1	1
100500808	NR_037481	MIR3917	microRNA 3917	-1.294074149	-1.20207179	0.043814	0.034368	0.033692	0.03628685	0.02724389	0.02957205	1	1	1
100500820	NR_037428	MIR3655	microRNA 3655	-1.294074149	-1.20207179	0.159134	0.120772	0.11931	0.03628685	0.02724389	0.02957205	1	1	1
100500827	NR_037408	MIR3614	microRNA 3614	-1.294074149	-1.20207179	0.167434	0.126858	0.087292	0.03628685	0.02724389	0.02957205	1	1	1
100500832	NR_037431	MIR3658	microRNA 3658	-1.294074149	-1.20207179	0.197118	0.147129	0.12167	0.03628685	0.02724389	0.02957205	1	1	1
100500847	NR_037409	MIR3615	microRNA 3615	-1.294074149	-1.20207179	0.074432	0.052943	0.088026	0.03628685	0.02724389	0.02957205	1	1	1
100500860	NR_037412	MIR3618	microRNA 3618	-1.294074149	-1.20207179	0.1405	0.10153	0.124901	0.03628685	0.02724389	0.02957205	1	1	1
100500914	NR_037404	MIR3610	microRNA 3610	-1.294074149	-1.20207179	0.075696	0.095443	0.093191	0.03628685	0.02724389	0.02957205	1	1	1
100616113	NR_039828	MIR4680	microRNA 4680	-1.294074149	-1.20207179	0.141114	0.09279	0.140286	0.03628685	0.02724389	0.02957205	1	1	1
100616119	NR_039846	MIR4697	microRNA 4697	-1.294074149	-1.20207179	0.116228	0.083768	0.119793	0.03628685	0.02724389	0.02957205	1	1	1
100616124	NR_039790	MIR4647	microRNA 4647	-1.294074149	-1.20207179	0.196107	0.145038	0.142713	0.03628685	0.02724389	0.02957205	1	1	1
100616139	NR_039895	MIR4741	microRNA 4741	-1.294074149	-1.20207179	0.070032	0.040718	0.096508	0.03628685	0.02724389	0.02957205	1	1	1
100616143	NR_039920	MIR4763	microRNA 4763	-1.294074149	-1.20207179	0.232651	0.109528	0.157391	0.03628685	0.02724389	0.02957205	1	1	1
100616149	NR_039737	MIR4512	microRNA 4512	2.801003507	-1.20207179	0.201836	0.937611	0.125939	0.03628685	0.10601836	0.02957205	1	4	1
100616193	NR_039658	MIR4453	microRNA 4453	-1.294074149	-1.20207179	0.112777	0.082621	0.134808	0.03628685	0.02724389	0.02957205	1	1	1
100616211	NR_039858	MIR4709	microRNA 4709	-1.294074149	-1.20207179	0.217861	0.162967	0.16865	0.03628685	0.02724389	0.02957205	1	1	1
100616248	NR_039877	MIR4724	microRNA 4724	-1.294074149	-1.20207179	0.056752	0.046883	0.102065	0.03628685	0.02724389	0.02957205	1	1	1
100616313	NR_039904	MIR4749	microRNA 4749	-1.294074149	-1.20207179	0.303608	0.014317	0.326054	0.03628685	0.02724389	0.02957205	1	1	1
100616329	NR_039849	MIR4700	microRNA 4700	-1.294074149	-1.20207179	0.131317	0.115752	0.120305	0.03628685	0.02724389	0.02957205	1	1	1
100616340	NR_039915	MIR4758	microRNA 4758	-1.294074149	-1.20207179	0.003231	0.002424	0.002412	0.03628685	0.02724389	0.02957205	1	1	1
100616358	NR_039964	MIR4800	microRNA 4800	-1.294074149	-1.20207179	0.150017	0.116597	0.15152	0.03628685	0.02724389	0.02957205	1	1	1
100616361	NR_039934	MIR4775	microRNA 4775	-1.294074149	-1.20207179	0.097133	0.098185	0.137716	0.03628685	0.02724389	0.02957205	1	1	1
100616367	NR_039677	MIR4467	microRNA 4467	-1.294074149	-1.20207179	0.172682	0.286492	0.021989	0.03628685	0.02724389	0.02957205	1	1	1
100616393	NR_039801	MIR4657	microRNA 4657	-1.294074149	-1.20207179	0.205625	0.167271	0.178167	0.03628685	0.02724389	0.02957205	1	1	1
100616400	NR_039851	MIR3198-2	microRNA 3198-2	-1.294074149	-1.20207179	0.169009	0.132946	0.143256	0.03628685	0.02724389	0.02957205	1	1	1
100616453	NR_039835	MIR4687	microRNA 4687	-1.294074149	-1.20207179	0.178078	0.114944	0.131649	0.03628685	0.02724389	0.02957205	1	1	1
100616483	NR_039906	MIR4751	microRNA 4751	-1.294074149	-1.20207179	0.14944	0.142159	0.124328	0.03628685	0.02724389	0.02957205	1	1	1
100616499	NR_039634,NR_039634_dup1	MIR4435-1	microRNA 4435-1	-1.294074149	-1.20207179	0.024781	0.025006	0.047417	0.03628685	0.02724389	0.02957205	1	1	1
100847012	NR_049800	MIR5004	microRNA 5004	-1.294074149	-1.20207179	0.026386	0.028819	0.020217	0.03628685	0.02724389	0.02957205	1	1	1
100847037	NR_049797	MIR5001	microRNA 5001	-1.294074149	-1.20207179	0.152936	0.102028	0.0784	0.03628685	0.02724389	0.02957205	1	1	1
100847070	NR_049828	MIR5196	microRNA 5196	-1.294074149	-1.20207179	0.039321	0.020437	0.021341	0.03628685	0.02724389	0.02957205	1	1	1
101060376	NM_001291459,NM_001291459	TBC1D3L	TBC1 domain family member 3L	-1.294074149	-1.20207179	0.004368	0.001574	0.001363	0.03628685	0.02724389	0.02957205	1	1	1
102464833	NR_106732	MIR6084	microRNA 6084	-1.294074149	-1.20207179	0.103945	0.091745	0.088247	0.03628685	0.02724389	0.02957205	1	1	1
102465133	NR_106740	MIR6125	microRNA 6125	-1.294074149	-1.20207179	0.027696	0.01688	0.032027	0.03628685	0.02724389	0.02957205	1	1	1
102465248	NR_106756	MIR6501	microRNA 6501	-1.294074149	-1.20207179	0.174664	0.119011	0.164624	0.03628685	0.02724389	0.02957205	1	1	1
102465429	NR_106775,NR_106775_dup1	MIR6511B1	microRNA 6511b-1	-1.294074149	-1.20207179	0.048177	0.018084	0.102384	0.03628685	0.02724389	0.02957205	1	1	1
102465457	NR_106850	MIR6762	microRNA 6762	-1.294074149	-1.20207179	0.109934	0.055289	0.205958	0.03628685	0.02724389	0.02957205	1	1	1
102465461	NR_106828,NR_106828_dup1,N	MIR6770-1	microRNA 6770-1	-1.294074149	-1.20207179	0.051329	0.283451	0.00566	0.03628685	0.02724389	0.02957205	1	1	1
102465483	NR_106863	MIR6805	microRNA 6805	-1.294074149	-1.20207179	0.023117	0.028591	0.037504	0.03628685	0.02724389	0.02957205	1	1	1
102465495	NR_106882	MIR6824	microRNA 6824	-1.294074149	-1.20207179	0.173915	0.088016	0.109463	0.03628685	0.02724389	0.02957205	1	1	1
102465500	NR_106891	MIR6833	microRNA 6833	-1.294074149	-1.20207179	0.259023	0.198848	0.20277	0.03628685	0.02724389	0.02957205	1	1	1
102465504	NR_106897	MIR6838	microRNA 6838	-1.294074149	-1.20207179	0.351192	0.223911	0.180131	0.03628685	0.02724389	0.02957205	1	1	1
102465519	NR_106921	MIR6861	microRNA 6861	-1.294074149	-1.20207179	0.257305	0.012311	0.014265	0.03628685	0.02724389	0.02957205	1	1	1
102465526	NR_106932	MIR6872	microRNA 6872	-1.294074149	-1.20207179	0.154299	0.126867	0.163082	0.03628685	0.02724389	0.02957205	1	1	1
102465803	NR_106993	MIR7706	microRNA 7706	-1.294074149	-1.20207179	0.025405	0.01738	0.056927	0.03628685	0.02724389	0.02957205	1	1	1
102465834	NR_106998	MIR7844	microRNA 7844	-1.294074149	-1.20207179	0.166666	0.097875	0.113302	0.03628685	0.02724389	0.02957205	1	1	1
102465907	NR_107058,NR_107058_dup1	MIR6862-2	microRNA 6862-2	-1.294074149	-1.20207179	0.072949	0.107296	0.194228	0.03628685	0.02724389	0.02957205	1	1	1
102465908	NR_107060,NR_107060_dup1,N	MIR6770-2	microRNA 6770-2	-1.294074149	-1.20207179	0.052939	0.295124	0.005496	0.03628685	0.02724389	0.02957205	1	1	1
102466259	NR_107061,NR_107061_dup1,N	MIR6770-3	microRNA 6770-3	-1.294074149	-1.20207179	0.054599	0.289229	0.005672	0.03628685	0.02724389	0.02957205	1	1	1
102466738	NR_106856	MIR6798	microRNA 6798	1.448836667	-1.20207179	0.0683	0.392979	0.199873	0.03628685	0.05398282	0.02957205	1	2	1
102466741	NR_106871	MIR6813	microRNA 6813	3.477086927	-1.20207179	0.425537	1.445169	0.236778	0.03628685	0.13134883	0.02957205	1	5	1
102466854	NR_106992	MIR7705	microRNA 7705	-1.294074149	-1.20207179	0.211206	0.173924	0.172425	0.03628685	0.02724389	0.02957205	1	1	1
102466877	NR_107039	MIR8072	microRNA 8072	-1.294074149	-1.20207179	0.062905	0.034267	0.048769	0.03628685	0.02724389	0.02957205	1	1	1
103504729	NR_128709,NR_128709_dup1,N	MIR3179-4	microRNA 3179-4	-1.294074149	-1.20207179	0.027054	0.201902	0.033919	0.03628685	0.02724389	0.02957205	1	1	1
103504732	NR_128719,NR_128719_dup1,N	MIR941-5	microRNA 941-5	-1.294074149	-1.20207179	0.050365	0.074128	0.148301	0.03628685	0.02724389	0.02957205	1	1	1
106633814	NR_132768	SNORA86	small nucleolar RNA, H/ACA box	-1.294074149	-1.20207179	0.172327	0.130953	0.125836	0.03628685	0.02724389	0.02957205	1	1	1
106635532	NR_132782	SNORA100	small nucleolar RNA, H/ACA box	-1.294074149	-1.20207179	0.113246	0.097422	0.091166	0.03628685	0.02724389	0.02957205	1	1	1
109136578	NR_144569	MASCRNA	MALAT1-associated small cytopl	-1.294074149	-1.20207179	0.154396	0.099911	0.109796	0.03628685	0.02724389	0.02957205	1	1	1
109616966	NR_145985	SNORA31B	small nucleolar RNA, H/ACA box	-1.294074149	-1.20207179	0.063574	0.009897	0.084816	0.03628685	0.02724389	0.02957205	1	1	1

109616967	NR_145723	SNORA40B	small nucleolar RNA, H/ACA box	1.448836667	-1.20207179	0.149747	0.288081	0.077306	0.03628685	0.05398282	0.02957205	1	2	1
1975	NM_001300821,NM_001330654	EIF4B	eukaryotic translation initiation fa	-1.391214605	-1.20210828	83.837421	60.346794	65.567497	8.37602242	7.90137067	8.11133046	13004	12489	13305
100507178	NR_037868	SLFNL1-AS1	SLFNL1 antisense RNA 1	1.496463332	-1.202191368	0.709459	1.06906	0.557919	2.11660268	2.58366954	1.91649468	131	262	134
898	NM_001238,NM_001322259,NM	CCNE1	cyclin E1	-1.068021112	-1.202472259	16.755827	15.607985	13.150944	5.01136367	4.91945464	4.75436273	1227	1535	1255
126789	NM_001346116,NM_153339,NR	PUSL1	pseudouridylate synthase-like 1	1.289151907	-1.202495159	15.170374	19.524969	11.949372	4.32203244	4.67222953	4.0704925	746	1285	763
7137	NM_000363	TNNI3	troponin I3, cardiac type	-2.139053085	-1.202598953	4.130193	1.93322	3.213051	2.13345087	1.36863803	1.93223726	133	83	136
92595	NM_001172679,NM_033410	ZNF764	zinc finger protein 764	1.189642299	-1.202602056	4.126436	4.90802	3.222395	3.61267788	3.8443336	3.37014999	441	701	451
6339	NM_001130413,NR_037668	SCNN1D	sodium channel epithelial 1 delta	-1.15866564	-1.202602279	4.595507	3.932038	3.626435	3.85541331	3.65863507	3.60925088	529	610	541
7301	NM_001330264,NM_006293	TYRO3	TYRO3 protein tyrosine kinase	1.208909333	-1.202770102	5.251386	6.360276	4.105441	4.41453771	4.67653783	4.16179054	798	1289	816
1368	NM_001005502,NM_001874,NM	CPM	carboxypeptidase M	-1.017260954	-1.202798288	0.521569	0.515198	0.409762	2.14180175	2.12272838	1.9400446	134	176	137
79156	NM_024310	PLEKHF1	pleckstrin homology and FYVE d	-2.025586936	-1.202898578	2.690915	1.329512	2.101602	2.47491059	1.70021226	2.25996639	179	118	183
26580	NM_001122955,NM_001130702	BSCL2	BSCL2, seipin lipid droplet bioge	-1.429523746	-1.202929403	34.74313	23.986316	30.963786	6.03774712	5.53158861	5.77563191	2540	2374	2597
50485	NM_001127207,NM_014140	SMARCAL1	SWI/SNF related, matrix associa	1.228566606	-1.202956645	8.324836	9.836595	6.507198	4.70114026	4.98778875	4.44573827	982	1612	1004
26146	NM_001139490,NM_015650	TRAF3IP1	TRAF3 interacting protein 1	1.475568677	-1.202961547	4.399356	6.503556	3.449412	4.17517665	4.7104878	3.92465818	670	1321	685
10270	NM_005858	AKAP8	A-kinase anchoring protein 8	-1.124282548	-1.203024554	20.141029	17.936176	15.731631	6.1392481	5.97277811	5.87671972	2728	3242	2789
57622	NM_020862	LRFN1	leucine rich repeat and fibronectii	1.956638319	-1.203096102	2.251313	4.414039	1.75927	2.97768275	3.85387581	2.74755257	270	706	276
55813	NM_018428	UTP6	UTP6, small subunit processome	1.084350456	-1.203221371	41.085922	44.605762	32.090233	6.38591889	6.50141107	6.12250838	3244	4700	3316
92181	NM_152277	UBTD2	ubiquitin domain containing 2	1.220862632	-1.20327287	5.87891	7.186841	4.590904	4.19135823	4.46494141	3.94031242	678	1106	693
54840	NM_001195248,NM_001195249	APTX	aprataxin	-1.071734121	-1.20328298	11.870678	11.340304	9.338494	4.58651747	4.49085976	4.33166223	904	1127	924
10921	NM_001286625,NM_001286626	RNPS1	RNA binding protein with serine r	1.154156043	-1.203296859	90.714009	104.428154	70.905441	7.55895054	7.76476938	7.29350803	7364	11356	7527
112703	NM_001308429,NM_138411	FAM71E1	family with sequence similarity 7	1.370929573	-1.203379223	2.851393	3.868749	2.191452	2.16656821	2.53229878	1.96321628	137	251	140
55256	NM_001306077,NM_018269	ADI1	acireductone dioxygenase 1	-1.113384241	-1.203385109	40.804209	39.729777	36.858043	6.64834823	6.49502201	6.38416363	3899	4679	3985
8503	NM_001114172,NM_001303428	PIK3R3	phosphoinositide-3-kinase regula	1.646118998	-1.203456107	2.368752	3.821749	1.80303	3.78251604	4.45995136	3.53644652	501	1102	512
152485	NM_001306215,NM_178835	ZNF827	zinc finger protein 827	1.470032919	-1.203473262	4.123204	6.070788	3.219385	5.01364054	5.55517746	4.75546927	1229	2414	1256
94162	NR_001456	SNORD38A	small nucleolar RNA, C/D box 38	1.034989251	-1.203726397	17.223173	17.936945	13.485319	1.13562816	1.16293478	0.99569924	47	65	48
113510	NM_001297755,NM_001297756	HELQ	helicase, POLQ-like	1.137843767	-1.203798599	6.03394	6.482262	4.524006	4.3072593	4.48473082	4.05439856	738	1122	754
651302	NR_103448	ZNF192P1	zinc finger protein 192 pseudoge	-1.064290754	-1.204018599	1.489419	1.401142	1.156098	1.76310734	1.70021226	1.57922529	94	118	96
115098	NM_001136203,NM_138442	CCDC124	coiled-coil domain containing 124	-1.178477159	-1.204086462	73.457558	62.543173	57.541855	6.17427094	5.94089851	5.91039165	2796	3170	2856
26229	NM_001288721,NM_001288722	B3GAT3	beta-1,3-glucuronyltransferase 3	1.073970084	-1.204116047	41.773447	44.422241	33.102429	6.12773269	6.22926863	5.86395147	2706	3883	2764
55072	NM_001310332,NM_017999	RNF31	ring finger protein 31	1.195835034	-1.20437445	17.366171	20.972612	13.541991	5.93157437	6.18572723	5.66809934	2357	3766	2407
80789	NM_030628	INTS5	integrator complex subunit 5	1.40066389	-1.204517656	3.778417	5.304256	2.950963	3.71136013	4.16570385	3.46519272	475	889	485
9112	NM_001203258,NM_004689	MTA1	metastasis associated 1	1.120626939	-1.204608946	61.843307	69.337767	48.051209	7.41479159	7.57818978	7.14795066	6660	9972	6800
55739	NM_001242881,NM_001242882	NAXD	NAD(P)HX dehydratase	-1.134796378	-1.204669609	19.420866	16.889547	14.924317	5.66736669	5.4887443	5.40451103	1956	2303	1997
10153	NM_005760	CEBPZ	CCAAT/enhancer binding protein	1.151309484	-1.204675177	29.253973	33.718872	22.819859	6.5816223	6.78292241	6.31604903	3721	5724	3799
26017	NM_014077	FAM32A	family with sequence similarity 32	-1.136408897	-1.204683981	52.589138	46.322258	41.010822	6.25491539	6.07300096	5.99011117	2959	3479	3021
51021	NM_016065	MRPS16	mitochondrial ribosomal protein S	-1.684116	-1.204720945	34.645935	20.593807	27.02519	6.48974676	5.74866631	6.22432111	3489	2768	3562
284349	NM_001297752,NM_181845	ZNF283	zinc finger protein 283	-1.461922399	-1.204908716	3.008147	2.058381	2.342449	3.06808971	2.597368	2.83389297	290	265	296
9853	NM_001135999,NM_001330740	RUSC2	RUN and SH3 domain containing	-1.172848556	-1.20492862	7.357317	4.411418	3.754053	4.74428126	4.52351345	4.48629114	1013	1154	1034
23587	NM_015362,NM_203413,NM_20	ELP5	elongator acetyltransferase comp	1.123183388	-1.205047315	10.741156	11.5189	8.330165	4.19336823	4.35231081	3.94031242	679	1019	693
317762	NM_001144995	CCDC85C	coiled-coil domain containing 85(	-1.095856633	-1.205078662	19.461473	17.777702	15.176983	6.76105391	6.63026582	6.49464405	4219	5144	4306
4255	NM_002412	MGMT	O-6-methylguanine-DNA methylt	-1.123363312	-1.205265955	13.980987	12.460859	10.907345	4.29981562	4.14097459	4.04537929	734	873	749
2639	NM_000159,NM_013976,NR_10	GCDH	glutaryl-CoA dehydrogenase	-1.135289887	-1.205289408	8.08262	7.14338	6.284897	3.99792567	3.82699692	3.74691298	588	692	600
150962	NM_001322123,NM_001322124	PUS10	pseudouridylate synthase 10	-1.6731628	-1.205299854	0.67999	0.401165	0.52468	1.81624731	1.32539385	1.62837236	99	79	101
1161	NM_000082,NM_001007233,NM	ERCC8	ERCC excision repair 8, CSA ubi	1.033062255	-1.205330406	9.067271	8.499676	7.099009	4.00022383	4.04427071	3.74913666	589	813	601
55818	NM_001146688,NM_018433	KDM3A	lysine demethylase 3A	1.470964959	-1.205400749	15.771912	23.231983	12.345602	6.25009557	6.8097358	5.98445961	2949	5796	3009
7174	NM_001330588,NM_003291	TPP2	tripeptidyl peptidase 2	-1.108334985	-1.205569343	12.209856	11.035845	9.5209	6.05664057	5.91058637	5.79136195	2574	3103	2626
51296	NM_016582,NR_027391	SLC15A3	solute carrier family 15 member 3	1.172233161	-1.2055745	9.150327	10.671774	6.971643	4.22318689	4.44108339	3.96921401	694	1087	708
463	NM_001164766,NM_006885	ZFHX3	zinc finger homeobox 3	-1.079959637	-1.205672173	1.620608	1.501565	1.262928	4.71938895	4.61277196	4.46073909	995	1231	1015
1615	NM_001293312,NM_001349	DARS	aspartyl-tRNA synthetase	1.421375948	-1.205992581	36.023854	51.087418	28.041503	6.79916906	7.30262219	6.53160649	4333	8229	4419
5600	NM_002751,NR_110887	MAPK11	mitogen-activated protein kinase	1.00086144	-1.206151051	13.939646	13.86571	10.635993	5.05843928	5.05964438	4.79690107	1269	1697	1294
219736	NM_001130159,NM_001130160	STOX1	storkhead box 1	-2.769016786	-1.206192518	0.395237	0.209769	0.332303	1.21691895	0.56226574	1.06873498	52	25	53
84678	NM_001005366,NM_032590	KDM2B	lysine demethylase 2B	1.13600476	-1.206410683	6.07409	6.918381	4.734474	5.01704913	5.19568855	4.75546927	1232	1870	1256
22856	NM_014918	CHSY1	chondroitin sulfate synthase 1	1.742341319	-1.206479594	7.991158	13.936919	6.224373	5.18605837	5.97014822	4.92339112	1390	3236	1417
55795	NM_001127202,NM_001127203	PCID2	PCI domain containing 2	1.202325519	-1.207331545	17.425835	21.082282	12.501917	5.18605837	5.44521997	4.92240621	1390	2233	1416
23760	NM_001284277,NM_001284278	PITPNB	phosphatidylinositol transfer prot	1.055896924	-1.207332975	21.264451	22.612356	16.514593	5.96018767	6.03743278	5.69314689	2405	3393	2450
200845	NM_001128214,NM_153331	KCTD6	potassium channel tetramerizatic	1.329612492	-1.207340173	3.193263	4.391421	2.565667	2.69516719	3.05002095	2.46867149	215	382	219
2621	NM_000820	GAS6	growth arrest specific 6	-2.140162732	-1.207429369	19.389292	9.066846	15.088608	5.61058821	4.54605682	5.3447438	1879	1173	1914
116842	NM_052971	LEAP2	liver enriched antimicrobial peptic	1.509485477	-1.207461329	2.011363	3.063482	1.564194	1.26358189	1.63971536	1.11084509	55	111	56
51537	NM_001003704,NM_016498	MTFP1	mitochondrial fission process 1	1.851224415	-1.207510421	48.356992	85.516776	35.57973	5.83959881	6.7164795	5.57276666	2209	5464	2250
51079	NM_015965	NDUFA13	NADH:ubiquinone oxidoreductas	-1.17073581	-1.207775148	255.234039	218.251816	198.587143	7.08418355	6.85857721	6.81403278	5288	6035	5385
80153	NM_001142443,NM_001142444	EDC3	enhancer of mRNA decapping 3	1.098876672	-1.207880271	9.807717	11.28195	7.970535	5.27415876	5.40683891	5.09033866	1480	2173	1507
64601	NM_022575,NM_080413	VPS16	VPS16, CORVET/HOPS core su	1.135431535	-1.20797102	21.110267	23.939276	16.202835	5.8305587	6.01080901	5.5633199	2195	3330	2235
81926	NM_001130111,NM_031213	ABHD17A	abhydrolase domain containing 1	1.052862199	-1.207939848	25.731442	27.11408	19.995951	5.32912486	5.40164341	5.06399834	1539	2165	1567
55571	NM_017546	CNOT11	CCR4-NOT transcription complex	-1.131579609	-1.208192058	36.378361	32.182381	28.292002	6.49505265	6.31881185	6.22551943	3502	4135	3565
9984	NM_005131	THOC1	THO complex 1	1.002889275	-1.208234666	43.292416	43.468487	33.67094	6.49790161	6.50201808	6.22831165	3509	4702	3572
85462	NM_033393	FHDC1	FH2 domain containing 1	-1.23325209	-1.208273507	1.355712	1.099461	1.0546	3.25675288	2.98897501	3.01481644	336	364	342
7745	NM_001278119,NM_001278121	ZKSCAN8	zinc finger with KRAB and SCAN	1.170065031	-1.208341222	6.085511	7.164914	4.761121	5.49882028	5.72077686	5.23240543	1736	2714	1767
8886	NM_006773	DDX18	DEAD-box helicase 18	1.393823881	-1.208423859	28.108213	39.225147	21.859823	6.70121777	7.176354	6.43096978	4046	7535	4118
22943	NM_012242	DKK1	dickkopf WNT signaling pathway	-1.30344808	-1.208769154	157.281631	120.796318	122.268188	8.1158888	7.73512861	7.84343225	10852	11124	11042
6838	NM_001278942,NM_006753,NR	SURF6	surfeit 6	1.228708502	-1.208797945	29.616288	36.433138	23.027781	6.08831031	6.38151159	5.81914509	2632	4321	2678
23406	NM_021149	COTL1	coactosin like F-actin binding pro	1.316533963	-1.2092452	346.461456	456.641815	269.239777	9.29408666	9.69028026	9.02045926	24607	43285	25028
116285	NM_001318890,NM_052956,NR	ACSM1	acyl-CoA synthetase medium-cha	-1.381255649	-1.209299302	0.784784	0.539168	0.548081	1.33814853	1.07428646	1.17840727	60	58	61
284004	NM_001330542,NM_173620	HEXDC	hexosaminidase D	-1.28664366	-1.209374975	13.242489	10.291061	10.303657	4.88274916	4.53304836	4.61866105	1119	1162	1138
9784	NM_001267059,NM_001267060	SNX17	sorting nexin 17	1.387752181	-1.20955776	23.758563	33.072296	18.415406	5.87007592	6.3359362	5.60074135	2257	4185	2295
1964	NM_001412	EIF1AX	eukaryotic translation initiation fa	1.156874537	-1.209614191	29.17359	33.7892	22.665123	6.98730058	7.19599448	6.71512831	4942	7639	5025
2717	NM_000169	GLA	galactosidase alpha	-1.359230317	-1.20976254	53.119705	39.130154	41.270439	6.2163926	5.78053688	5.94572127	2880	2831	2928
116844	NM_052972	LRG1	leucine rich alpha-2-glycoprotein	-1.060108249	-1.209818736	3.545844	3.354888	2.755307	2.84076697	2.76857883	2.6075054	242	305	246
84455	NM_032437	EFCAB7	EF-hand calcium binding domain	1.028577785	-1.210019778	3.978616	4.097232	3.090411	3.4048323	3.4677101	3.12165574	366	503	372
56339	NM_019852	METTL3	methyltransferase like 3	1.02755837	-1.210032182	51.922596	53.421814	40.324306	6.68987259	6.72871914	6.41775083	4014	5511	4080
126432	NM_001195833,NM_198445	RINL	Ras and Rab interactor like	-1.552548496	-1.2101520 56	4.716538	3.036837	3.664302	3.91265481	3.3298614	3.65740237	552	475	561
3183	NM_001077442,NM_001077443	HNRNPC	heterogeneous nuclear ribonucle	-1.375158806	-1.210213137	282.151279	205.457326	219.34417	9.79065475	9.33166582	9.515735	34733	33747	35299
643707	NM_001267536	GOLGA6L4	golgin A6 family-like 4	-1.352343617	-1.210219244	1.413398	1.045983	1.099081	2.86618866	2.49862948	2.63181117	247	244	251
55676	NM_001193513,NM_001193514	SLC30A6	solute carrier family 30 member 6	1.199141086	-1.210536899	8.455781	9.973934	6.436777	5.40480367	5.66115412	5.13628808	1624	2602	1650
51096	NM_016001	UTP18	UTP18, small subunit processom	1.001981486	-1.210592149	40.853378	40.991947	31.721243	6.24719593	6.25001433	5.97546577	2943	3940	2990
5425	NM_001127218,NM_001256879	POLD2	DNA polymerase delta 2, access	-1.069497621	-1.210740787	44.370974	41.479723	34.70437	6.19648797	6.10091747	5.92472586	2840	3548	2885
102724532	NR_135480	LOC102724532	uncharacterized LOC102724532	1.093711447	-1.210859375	3.235562	3.537349	2.476622	1.40904982	1.49109792	1.24294651	65	95	66
3187	NM_001257293,NM_005520	HNRNPH1	heterogeneous nuclear ribonucle	-1.01561932	-1.211093666	334.169403	329.128994	259.235356	9.53345247	9.51112305	9.25755174	29055	38224	29507
100533975	NR_037929,NR_037930	SLMO2-ATP5E	SLMO2-ATP5E readthrough	-1.896840023	-1.211125907	22.982153	12.216537	17.936732	4.58498718	3.71417485	4.32123795	903	636	917
79039	NM_001111322,NM_024072	DDX54	DEAD-box helicase 54	-1.080325034	-1.211421595	21.111835	19.562063	16.378173	6.50843446	6.39823789	6.23507035	3535	4372	3589
5130	NM_001312673,NM_005017	PCYT1A	phosphate cytidylyltransferase 1,	-1.086127702	-1.211439418	27.296971	25.16925	21.170219	5.893137	5.77602682	5.62152376	2294	2822	2329
10625	NM_006469	IVNS1ABP	influenza virus NS1A binding pro	-1.173386953	-1.211478945	34.783714	29.675758	26.982513	7.16142673	6.93248943	6.88678101	5581	6355	5666
401115	NM_001141936,NM_001168243	C4orf48	chromosome 4 open reading fran	-1.203828431	-1.211523633	31.667171	26.358742	24.50716	3.85287228	3.60539766	3.59695765	528	586	536
6832	NM_001301683,NM_001323584	SUPV3L1	Suv3 like RNA helicase	-1.420367487	-1.211592889	17.903662	12.644899	13.970463	4.49211609	5.21481417	4.87635737	1719	1617	1745
113189	NM_130468	CHST14	carbohydrate sulfotransferase 14	1.115989727	-1.211958699	16.066351	17.944914	12.455951	5.14510661	5.29919828	4.87635737	1350	2013	1370
79902	NM_001303276,NM_001330472	NUP85	nucleoporin 85	-1.205337229	-1.212111151	69.82783	57.601032	54.50482	7.32551408	7.05791793	7.04989321	6258	6937	6350
254225	NM_001098638	RNF169	ring finger protein 169	-1.073546965	-1.212118911	9.103866	8.490534	7.057871	6.13663902	6.03575691	5.86343838	2723	3389	2763
7543	NM_001178084,NM_001178085	ZFX	zinc finger protein, X-linked	1.318329312	-1.212463713	4.915115	6.69244	3.978675	5.25407798	5.64365646	4.98412333	1459	2570	1480
374650	NR_003246	GOLGA6L5P	golgin A6 family-like 5, pseudoge	-1.428335468	-1.212726368	2.362589	1.658432	1.831258	3.76640418	3.29665996	3.51046477	495	463	502
22869	NM_001314059,NM_001314060	ZNF510	zinc finger protein 510	1.135693701	-1.212786856	4.593054	5.367204	3.677285	4.98491804	5.16305312	4.71622624	1204	1827	1221

28978	NM_014051	TMEM14A	transmembrane protein 14A	1.034178501	-1.213029229	20.388573	21.123121	15.792473	4.4024252	4.44866021	4.13822997	791	1093	802
79758	NM_001031719,NM_001270424	DHRS12	dehydrogenase/reductase 12	-1.595265485	-1.213044106	5.675509	3.519921	4.381123	3.06370142	2.48886356	2.82126674	289	242	293
65985	NM_001319839,NM_001319840	AACS	acetoacetyl-CoA synthetase	1.291040854	-1.21319287	11.536076	14.866704	8.855649	5.24635403	5.60631865	4.97560227	1451	2503	1471
51542	NM_001005739,NM_016516	VPS54	VPS54, GARP complex subunit	-1.069519049	-1.213585429	11.221183	10.560975	8.700294	5.47607971	5.38199194	5.20431761	1709	2135	1732
126917	NM_001136265	IFFO2	intermediate filament family orpha	1.299395071	-1.213613421	3.007569	3.91329	2.328106	4.1772093	4.53660777	3.91478732	671	1165	680
57336	NM_001346167,NM_001346168	ZNF287	zinc finger protein 287	1.392503816	-1.213665144	0.511291	0.719614	0.39338	2.27683528	2.66830768	2.05953665	151	281	153
2040	NM_001270526,NM_001270527	STOM	stomatin	-7.955401494	-1.213764502	1.855275	0.2237	1.4318	2.76169834	0.7861039	2.52685524	227	38	230
106635533	NR_132783	SNORA103	small nucleolar RNA, H/ACA box	1.132065794	-1.213992981	23.450642	26.822374	18.26552	1.57857476	1.70021226	1.39836968	78	118	79
3508	NM_002180	IGHMBP2	immunoglobulin mu binding prote	-1.077762578	-1.214134606	9.162873	8.508421	7.089844	5.18100252	5.07604389	4.90954071	1385	1717	1403
100505761	NR_038937,NR_038938	RPARP-AS1	RPARP antisense RNA 1	-1.160932141	-1.214171157	8.335151	7.868771	6.476283	3.68016614	3.48283341	3.42403181	464	534	470
23041	NM_001278469,NM_001278470	MON2	MON2 homolog, regulator of end	-1.174489625	-1.214243072	6.250238	5.320736	4.832174	6.00264414	5.77452033	5.72738578	2478	2819	2510
84698	NM_001286547,NM_001286548	CAPS2	calcyphosine 2	-1.398701904	-1.214272991	3.150521	2.119356	2.425631	3.16140171	2.74004451	2.91535666	312	298	316
6194	NM_001010	RPS6	ribosomal protein S6	-1.126009664	-1.214449896	1192.957886	1060.636719	923.095886	9.91271616	9.74168503	9.63273322	37803	44857	38285
57580	NM_020820	PREX1	phosphatidylinositol-3,4,5-trispho	-1.282941088	-1.214753994	0.954259	0.742846	0.736194	2.84076697	2.53704518	2.60259472	242	252	245
100303755	NM_001164811	PET117	PET117 homolog	1.194304234	-1.214789137	18.143677	21.715206	14.034154	4.42483953	4.67007054	4.15844821	804	1283	814
55839	NM_001100624,NM_001100625	CENPN	centromere protein N	-1.005726678	-1.214799389	24.573251	22.384387	18.453523	6.00950526	6.00139486	5.73357571	2490	3308	2521
84142	NM_001345962,NM_139076	ABRAXAS1	abraxas 1, BRCA1 A complex su	-1.107715216	-1.214891607	2.999379	2.719242	2.320222	3.21383096	3.08285145	2.96594348	325	392	329
23135	NM_001080424,NM_001348716	KDM6B	lysine demethylase 6B	1.589711286	-1.215043468	7.07852	11.262382	5.452243	5.54756029	6.20486858	5.27315144	1797	3817	1819
2139	NM_005244,NM_172110	EYA2	EYA transcriptional coactivator a	5.023740936	-1.215104974	0.019364	0.096032	0.014795	0.07168335	0.3412894	0.0585501	2	14	2
26786	NR_002914,NR_002914_dup1	SNORD62A	small nucleolar RNA, C/D box 62	1.471633007	-1.215104974	0.452913	0.83868	0.444113	0.07168335	0.10601836	0.0585501	2	4	2
30813	NM_001256271,NM_001256272	VSX1	visual system homeobox 1	21.00822662	-1.215104974	0.023718	0.495848	0.018122	0.07168335	1.08728891	0.0585501	2	59	2
57576	NM_001122819,NM_001287212	KIF17	kinesin family member 17	4.313319351	-1.215104974	0.011757	0.055411	0.010075	0.07168335	0.29720487	0.0585501	2	12	2
102465524	NR_106929	MIR6869	microRNA 6869	2.892476179	-1.215104974	0.655912	2.25691	0.395807	0.07168335	0.20477631	0.0585501	2	8	2
109617012	NR_145755	SNORD53B	small nucleolar RNA, C/D box 53	-1.313695475	-1.215104974	0.564536	0.455331	0.398344	0.07168335	0.05398282	0.0585501	2	2	2
80094	NR_027715	BIN3-IT1	BIN3 intronic transcript 1	2.182054593	-1.215104974	0.02817	0.063848	0.021738	0.07168335	0.15624221	0.0585501	2	6	2
100462953	NR_051980	MINOS1P1	mitochondrial inner membrane or	2.182054593	-1.215104974	0.022958	0.050925	0.017541	0.07168335	0.15624221	0.0585501	2	6	2
100302221	NR_031623	MIR1291	microRNA 1291	1.471633007	-1.215104974	0.588482	0.765557	0.38463	0.07168335	0.10601836	0.0585501	2	4	2
100507589	NR_038913	NAGPA-AS1	NAGPA antisense RNA 1	2.182054593	-1.215104974	0.042298	0.079231	0.032317	0.07168335	0.15624221	0.0585501	2	6	2
100847028	NR_049852	MIR5587	microRNA 5587	1.8268438	-1.215104974	0.615789	1.640487	0.522764	0.07168335	0.13134883	0.0585501	2	5	2
3020	NM_002107	H3F3A	H3 histone family member 3A	1.471633007	-1.215104974	0.036017	0.060655	0.03192	0.07168335	0.10601836	0.0585501	2	4	2
692200	NR_003066	SNORD103C	small nucleolar RNA, C/D box 10	-2.463050374	-1.215104974	0.452426	0.1889	0.456498	0.07168335	0.02724389	0.0585501	2	1	2
693226	NR_030371	MIR641	microRNA 641	-1.313695475	-1.215104974	0.306117	0.245045	0.325841	0.07168335	0.05398282	0.0585501	2	2	2
102466912	NR_106931	MIR6871	microRNA 6871	2.182054593	-1.215104974	0.823322	1.867976	0.537167	0.07168335	0.15624221	0.0585501	2	6	2
162515	NM_153357	SLC16A11	solute carrier family 16 member 1	1.8268438	-1.215104974	0.020185	0.043487	0.01172	0.07168335	0.13134883	0.0585501	2	5	2
653505	NM_001143883,NM_001143883	PPIAL4A	peptidylprolyl isomerase A like 4A	2.182054593	-1.215104974	0.050716	0.134328	0.02632	0.07168335	0.15624221	0.0585501	2	6	2
101954268	NR_125392	RNVU1-20	RNA, variant U1 small nuclear 20	-1.313695475	-1.215104974	0.286037	0.22533	0.182727	0.07168335	0.05398282	0.0585501	2	2	2
406891	NR_029661	MIRLET7I	microRNA let-7i	3.247686972	-1.215104974	0.437871	2.058586	0.336907	0.07168335	0.2284445	0.0585501	2	9	2
100287327	NM_001256857	USP17L17	ubiquitin specific peptidase 17-lik	1.116422214	-1.215104974	0.018195	0.036786	0.023542	0.07168335	0.08023518	0.0585501	2	3	2
100287513	NM_001256863,NM_001256863	USP17L22	ubiquitin specific peptidase 17-lik	-1.313695475	-1.215104974	0.018723	0.018136	0.017567	0.07168335	0.05398282	0.0585501	2	2	2
100616237	NR_039783	MIR4640	microRNA 4640	1.116422214	-1.215104974	0.411558	0.463625	0.36942	0.07168335	0.08023518	0.0585501	2	3	2
101060389	NM_001291465,NM_001291465	TBC1D3D	TBC1 domain family member 3D	-2.463050374	-1.215104974	0.021647	0.008739	0.009691	0.07168335	0.02724389	0.0585501	2	1	2
102466719	NR_106773	MIR6716	microRNA 6716	-2.463050374	-1.215104974	0.480265	0.077474	0.357975	0.07168335	0.02724389	0.0585501	2	1	2
102466733	NR_106836	MIR6778	microRNA 6778	-2.463050374	-1.215104974	0.544657	0.170591	0.292789	0.07168335	0.02724389	0.0585501	2	1	2
102724862	NM_001291463,NM_001291463	TBC1D3I	TBC1 domain family member 3I	-2.463050374	-1.215104974	0.021165	0.008667	0.009682	0.07168335	0.02724389	0.0585501	2	1	2
106635524	NR_132773	SNORA91	small nucleolar RNA, H/ACA box	-2.463050374	-1.215104974	0.225553	0.011993	0.180114	0.07168335	0.02724389	0.0585501	2	1	2
106635541	NR_132789	SNORA105C	small nucleolar RNA, H/ACA box	-1.313695475	-1.215104974	0.285818	0.242594	0.237143	0.07168335	0.05398282	0.0585501	2	2	2
4975	NM_006189	OMP	olfactory marker protein	-1.313695475	-1.215104974	0.106347	0.056803	0.065163	0.07168335	0.05398282	0.0585501	2	2	2
723972	NR_003144	ANP32AP1	acidic nuclear phosphoprotein 32	-1.313695475	-1.215104974	0.043171	0.052069	0.04961	0.07168335	0.05398282	0.0585501	2	2	2
100126326	NR_030760	MIR936	microRNA 936	2.892476179	-1.215104974	0.392349	1.53062	0.37754	0.07168335	0.20477631	0.0585501	2	8	2
102466754	NR_106933	MIR6873	microRNA 6873	1.471633007	-1.215104974	0.670169	1.118244	0.527743	0.07168335	0.10601836	0.0585501	2	4	2
55327	NM_018362	LIN7C	lin-7 homolog C, crumbs cell pola	-1.229100942	-1.215108284	9.288671	7.565803	7.181795	5.48821674	5.19793813	5.21400945	1723	1873	1744
109951030	NR_146231	PKD1P3-NPIPA1	PKD1P3-NPIPA1 readthrough	1.177383565	-1.215416041	15.468839	18.231524	11.959979	6.8064101	7.04005655	6.52772592	4355	6851	4407
80063	NM_001256160,NM_001352120	ATF7IP2	activating transcription factor 7 in	-1.026844505	-1.215464335	4.850222	4.682232	3.613536	4.18329013	4.14719676	3.91874377	674	877	682
84264	NM_001290137,NM_001290139	HAGHL	hydroxyacylglutathione hydrolase	-1.315637415	-1.215741116	9.729631	7.453863	7.509651	3.82202563	3.45802105	3.56196863	516	524	522
118460	NM_058219	EXOSC6	exosome component 6	1.242088414	-1.215877316	15.992089	19.89963	12.363387	4.7808325	5.08336328	4.5100879	1040	1726	1052
1104	NM_001048194,NM_001048195	RCC1	regulator of chromosome conden	-1.064870936	-1.21592112	54.970522	52.057142	42.583991	7.15473716	7.06471344	6.87486578	5555	6970	5619
84282	NM_001184992,NM_032322,NM	RNF135	ring finger protein 135	-1.551795658	-1.216069627	15.286941	9.770684	11.723263	5.01477763	4.40518902	4.74213443	1230	1059	1244
7690	NM_001297548,NM_001330704	ZNF131	zinc finger protein 131	-1.026360627	-1.216205709	6.949432	6.618096	5.453366	4.5618359	4.52590309	4.29255782	888	1156	898
6232	NM_001030,NM_001349946,NM	RPS27	ribosomal protein S27	-1.258808436	-1.216467471	1075.319409	855.488592	820.541899	8.58106774	8.24998098	8.29918291	14996	15917	15162
6120	NM_001278282,NM_001278283	RPE	ribulose-5-phosphate-3-epimeras	1.274217958	-1.216523363	27.609637	35.258466	21.329843	6.47329746	6.81942046	6.19403493	3449	5872	3487
27257	NM_014462,NR_045492,NR_04	LSM1	LSM1 homolog, mRNA degradati	-1.030969951	-1.216562666	18.968123	18.502282	14.735804	4.45363476	4.41166458	4.18497252	821	1064	830
2161	NM_000505	F12	coagulation factor XII	-1.305247825	-1.216632809	7.016386	5.389709	5.418573	3.91021271	3.55480842	3.64789978	551	564	557
317749	NM_001193635,NM_001193636	DHRS4L2	dehydrogenase/reductase 4 like 2	1.046533666	-1.216642729	15.640326	16.443876	12.047682	4.46199571	4.52470876	4.19316234	826	1155	835
79161	NM_001329472,NM_001329473	TMEM243	transmembrane protein 243	-1.301849406	-1.216725153	13.138865	10.101875	10.248433	4.12761734	3.77168848	3.86234099	647	664	654
8764	NM_001297605,NM_003820	TNFRSF14	TNF receptor superfamily membe	-1.17256974	-1.216748939	6.923664	5.912085	5.333477	4.61828417	4.39868427	4.34789256	925	1054	935
100507634	NR_038320	LOC100507634	uncharacterized LOC100507634	-1.1132932	-1.216812049	1.206706	1.089874	0.930959	1.77389308	1.66595383	1.57922529	95	114	96
55119	NM_001349757,NM_001349758	PRPF38B	pre-mRNA processing factor 38B	1.093507678	-1.217042221	32.822652	35.860697	25.44875	7.29775691	7.42593811	7.01636074	6138	8968	6203
58500	NM_001109689,NM_021061	ZNF250	zinc finger protein 250	-1.1238626	-1.217064231	1.172826	1.042863	0.905057	3.05045588	2.90334193	2.80425801	286	340	289
64745	NM_001029991,NM_022734	METTL17	methyltransferase like 17	1.026143905	-1.217122252	52.017816	53.658134	40.540455	6.50115068	6.53797902	6.22112071	3517	4822	3554
60678	NM_021937	EEFSEC	eukaryotic elongation factor, sele	1.79533576	-1.217482182	6.902386	12.422047	5.331411	4.00022383	4.80408772	3.73574288	589	1413	595
8888	NM_003906	MCM3AP	minichromosome maintenance c	1.0127761	-1.217601707	21.692595	21.992876	16.739595	7.0424212	7.06059877	6.7607517	5136	6950	5188
23092	NM_001135608,NM_001349547	ARHGAP26	Rho GTPase activating protein 2	1.053791416	-1.217629894	20.233577	21.120973	15.150691	7.4715883	7.54676379	7.18927546	6929	9756	6999
29063	NM_001318148,NM_024936	ZCCHC4	zinc finger CCHC-type containing	-1.06035716	-1.217660065	12.382241	11.774171	9.520728	5.08358236	5.00159078	4.80867573	1292	1628	1305
50861	NM_001276310,NM_015894,NR	STMN3	stathmin 3	-1.040516404	-1.218046795	13.176693	12.682637	10.015534	5.01704913	4.96154856	4.74213443	1232	1582	1244
23230	NM_001018037,NM_001018038	VPS13A	vacuolar protein sorting 13 homo	-1.095640853	-1.21823719	11.625989	10.594937	9.048483	6.94348794	6.81283053	6.66124136	4793	5845	4839
200186	NM_181715	CRTC2	CREB regulated transcription coa	-1.137265309	-1.218420702	25.865273	22.766071	19.948618	6.09692582	5.91423939	5.81649676	2648	3111	2673
127253	NM_001162916,NM_138467,NR	TYW3	tRNA-yW synthesizing protein 3 h	-1.171378959	-1.219028636	10.240296	8.749076	7.906247	5.13886234	4.91763587	4.86204569	1344	1533	1356
6159	NM_000992	RPL29	ribosomal protein L29	-1.153183747	-1.219096823	736.736389	639.596191	567.907593	8.96447371	8.75929243	8.67929251	19573	22678	19747
5394	NM_001001998,NM_002685	EXOSC10	exosome component 10	1.03405446	-1.219125496	50.937367	52.734914	39.275761	7.14801643	7.19599448	6.86439066	5529	7639	5578
9284	NM_006985	NPIPA1	nuclear pore complex interacting	1.035174247	-1.21916892	13.665239	14.172649	10.538432	3.95355025	4.00026496	3.68786049	569	787	574
79568	NM_024520	MAIP1	matrix AAA peptidase interacting	1.141815286	-1.219265328	15.866886	18.139748	12.22739	4.6062649	4.79023891	4.33314528	917	1399	925
56851	NM_020154	EMC7	ER membrane protein complex s	-1.039773425	-1.219362305	106.075516	102.124504	81.747345	6.77823001	6.72248209	6.49497534	4270	5487	4307
92745	NM_033518	SLC38A5	solute carrier family 38 member 5	1.164866517	-1.21938093	28.801594	33.591637	22.194283	5.83252285	6.04910966	5.55190154	2198	3421	2217
8761	NM_001135653,NM_001135654	PABPC4	poly(A) binding protein cytoplasm	-1.072361446	-1.219446273	63.288986	59.030473	48.556765	7.61850462	7.51824305	7.33388396	7676	9564	7742
54741	NM_001198681,NM_001198683	LEPROT	leptin receptor overlapping transc	-1.212074138	-1.219455672	17.202745	14.672905	13.800876	6.23212092	5.9586963	5.95007726	2912	3210	2937
114915	NR_015370	EPB41L4A-AS1	EPB41L4A antisense RNA 1	-1.127250844	-1.219591641	25.887175	22.984936	19.94376	4.95916039	4.79222547	4.68288194	1182	1401	1192
654364	NM_001018136,NR_037149	NME1-NME2	NME1-NME2 readthrough	-1.272691453	-1.219605648	2.515673	2.106188	2.066028	2.02927762	1.77444288	1.81825156	121	127	122
4072	NM_002354	EPCAM	epithelial cell adhesion molecule	-1.10898671	-1.219682813	715.604614	645.9953	551.34613	10.22639924	10.07728805	9.94015701	46994	56619	47389
83939	NM_001319043,NM_001319044	EIF2A	eukaryotic translation initiation fa	1.022674896	-1.219747189	42.533197	43.514087	32.75989	7.37284005	7.40499516	7.08816389	6468	8838	6522
474384	NM_001007524,NM_001007524	F8A3	coagulation factor VIII-associatec	-1.320831011	-1.219831182	0.061959	0.040781	0.045139	0.10623215	0.08023518	0.08695753	3	3	3
137835	NM_001145153,NM_144649	TMEM71	transmembrane protein 71	-1.002019576	-1.219831182	0.025143	0.037677	0.01921	0.10623215	0.10601836	0.08695753	3	4	3
53358	NM_016848	SHC3	SHC adaptor protein 3	3.64772358	-1.219831182	0.005357	0.028829	0.005876	0.10623215	0.36283659	0.08695753	3	15	3
474383	NM_001007523,NM_001007523	F8A2	coagulation factor VIII-associatec	-1.320831011	-1.219831182	0.060654	0.040372	0.044072	0.10623215	0.08023518	0.08695753	3	3	3
100287846	NM_037168	LOC100287846	patched 1 pseudogene	2.684182094	-1.219831182	0.014907	0.059715	0.01325	0.10623215	0.27464693	0.08695753	3	11	3
3117	NM_002122	HLA-DQA1	major histocompatibility complex,	3.165952837	-1.219831182	0.050309	0.155625	0.032406	0.10623215	0.31941552	0.08695753	3	13	3
641451	NR_002917	SNORA19	small nucleolar RNA, H/ACA box	1.479755237	-1.219831182	0.417314	0.833292	0.408373	0.10623215	0.15624221	0.08695753	3	6	3
100616439	NR_039802	MIR4658	microRNA 4658	1.479755237	-1.219831182	1.167015	1.666096	0.780953	0.10623215	0.15624221	0.08695753	3	6	3
102465522	NR_106925	MIR6865	microRNA 6865	-3.632026599	-1.219831182	0.864737	0.194075	0.910357	0.10623215	0.02724389	0.08695753	3	1	3
51078	NM_001164356,NM_015963	THAP4	THAP domain containing 4	1.20640471	-1.219873198	26.814926	30.58343	20.076738	5.74341713	6.00952888	5.46257813	2064	3327	2081

90019	NM_001290332,NM_001290333	SYT8	synaptotagmin 8	1.620336579	-1.219989056	12.274432	19.982327	9.466441	4.30911424	4.97734988	4.03812306	739	1600	745
5411	NM_002687	PNN	pinin, desmosome associated pro	1.345165751	-1.220088558	205.879715	277.245148	158.56601	9.49948537	9.92675919	9.21293686	28378	51004	28607
54103	NM_001350896,NM_001350897	GSAP	gamma-secretase activating prot	-2.59071147	-1.220147351	11.955767	4.573325	9.42947	5.29208934	3.97600158	5.01309432	1499	773	1511
55073	NR_002940	LRRC37A4P	leucine rich repeat containing 37	-1.589777097	-1.220287337	3.667218	2.309245	2.82394	4.74702075	4.10945474	4.47155306	1015	853	1023
9939	NM_005105	RBM8A	RNA binding motif protein 8A	1.075826083	-1.220310174	31.451727	33.871136	24.219286	7.25605529	7.36083661	6.97087928	5962	8570	6009
80380	NM_025239	PDCD1LG2	programmed cell death 1 ligand 2	-1.564101338	-1.220314572	1.40568	0.897017	1.081513	2.10810423	1.63971536	1.89255394	130	111	131
79070	NM_001318732,NM_024089	KDELC1	KDEL motif containing 1	1.136988259	-1.220430462	3.213181	3.663531	2.478398	2.93026199	3.09255667	2.68388473	260	395	262
84450	NM_001271286,NM_001271287	ZNF512	zinc finger protein 512	1.226663445	-1.22047806	14.173718	17.479946	10.91615	5.65502199	5.94447568	5.37385651	1939	3178	1954
54952	NM_017846,NR_003109	TRNAU1AP	tRNA selenocysteine 1 associate	-1.208046926	-1.220881561	16.474974	13.672898	12.874274	4.99992509	4.73657294	4.72189817	1217	1346	1226
339803	NR_036496	LOC339803	uncharacterized LOC339803	1.412227589	-1.221121128	1.443314	2.04838	1.116836	2.20692365	2.61093762	1.98602166	142	268	143
55765	NM_001142569,NM_018265	C1orf106	chromosome 1 open reading fran	-2.694317819	-1.221142947	11.313008	4.177814	8.661829	5.55695766	4.17791132	5.27546743	1809	897	1822
100128191	NR_027157	TMPO-AS1	TMPO antisense RNA 1	-1.670578972	-1.221156639	5.779988	3.46358	4.449977	4.23299104	3.54305919	3.96156336	699	559	704
29101	NM_014188	SSU72	SSU72 homolog, RNA polymeras	-1.117613789	-1.22151452	67.055428	60.056599	51.579487	6.42749724	6.26904015	6.14252373	3340	3993	3363
64318	NM_022451	NOC3L	NOC3 like DNA replication regul	-1.161689285	-1.221517666	13.069734	11.261211	10.054576	5.50611581	5.29500126	5.22443598	1745	2067	1757
5930	NM_006910,NM_018703,NM_03	RBBP6	RB binding protein 6, ubiquitin lig	-1.00696406	-1.22167351	29.3972	29.626645	21.444505	7.38212176	7.37216962	7.09517335	6510	8638	6554
11072	NM_007026	DUSP14	dual specificity phosphatase 14	-1.215523799	-1.221740057	41.436825	34.129158	31.876062	5.95071282	5.67413949	5.66692369	2389	2626	2405
6873	NM_003184	TAF2	TATA-box binding protein associ	-1.165606827	-1.221868237	17.382738	14.931346	13.369451	6.42578852	6.20747612	6.14040759	3336	3824	3358
675	NM_000059	BRCA2	BRCA2, DNA repair associated	1.003879495	-1.222037519	2.49636	2.508837	1.920125	4.84232994	4.84772221	4.56413316	1087	1458	1094
3181	NM_002137,NM_031243	HNRNPA2B1	heterogeneous nuclear ribonucle	-1.14248062	-1.222054904	440.289306	385.733994	338.594429	10.62308284	10.43104312	10.33397627	61879	72367	62278
83871	NM_001142624,NM_001142625	RAB34	RAB34, member RAS oncogene	-3.504337166	-1.222078848	4.649442	1.332332	4.028442	3.17367098	1.71704117	2.91931156	315	120	317
10962	NM_006818	MLLT11	myeloid/lymphoid or mixed-lineag	1.06013667	-1.222119255	5.725622	6.08262	4.403126	3.70573844	3.78372009	3.44063736	473	670	476
79191	NM_024336	IRX3	iroquois homeobox 3	28.4544348	-1.222273034	0.04534	1.324136	0.032642	0.13997292	1.99055518	0.1148164	4	156	4
11272	NM_001098538,NM_007244	PRR4	proline rich 4 (lacrimal)	-2.560668573	-1.222273034	0.173507	0.055073	0.223933	0.13997292	0.05398282	0.1148164	4	2	4
9720	NM_014695,NR_130142	CCDC144A	coiled-coil domain containing 144	1.483922171	-1.222273034	0.013484	0.025226	0.01213	0.13997292	0.20477631	0.1148164	4	8	4
401612	NM_001012755	SLC25A53	solute carrier family 25 member 5	-1.06698239	-1.222273034	0.01673	0.013357	0.012846	0.13997292	0.13134883	0.1148164	4	5	4
23026	NM_001198950,NM_015011	MYO16	myosin XVI	1.119455784	-1.222273034	0.014001	0.015814	0.010511	0.13997292	0.15624221	0.1148164	4	6	4
407032	NR_029598	MIR30C2	microRNA 30c-2	1.119455784	-1.222273034	1.399441	1.495998	1.052737	0.13997292	0.15624221	0.1148164	4	6	4
4438	NM_002440	MSH4	mutS homolog 4	1.666155364	-1.222273034	0.031775	0.047853	0.020776	0.13997292	0.2284445	0.1148164	4	9	4
102724467	NR_120309	LOC102724467	uncharacterized LOC102724467	1.848388558	-1.222273034	0.111823	0.251261	0.094436	0.13997292	0.25173066	0.1148164	4	10	4
340198	NR_001590	IFITM4P	interferon induced transmembran	-1.06698239	-1.222273034	0.304465	0.233798	0.223365	0.13997292	0.13134883	0.1148164	4	5	4
105369332	NR_135084	LOC105369332	uncharacterized LOC105369332	1.483922171	-1.222273034	0.18541	0.270145	0.109283	0.13997292	0.20477631	0.1148164	4	8	4
650	NM_001200	BMP2	bone morphogenetic protein 2	25.7209369	-1.222273034	0.032981	0.871163	0.025199	0.13997292	1.88281796	0.1148164	4	141	4
102466729	NR_106817	MIR6759	microRNA 6759	1.483922171	-1.222273034	1.307068	2.197531	1.065635	0.13997292	0.20477631	0.1148164	4	8	4
11279	NM_001159296,NM_001324099	KLF8	Kruppel like factor 8	-1.06698239	-1.222273034	0.008932	0.006741	0.006266	0.13997292	0.13134883	0.1148164	4	5	4
642987	NM_001039763	TMEM232	transmembrane protein 232	1.848388558	-1.222273034	0.026274	0.059554	0.02294	0.13997292	0.25173066	0.1148164	4	10	4
103021295	NR_110982	LOC103021295	uncharacterized LOC103021295	-1.324521912	-1.222273034	0.182585	0.139372	0.13069	0.13997292	0.10601836	0.1148164	4	4	4
9204	NM_007167	ZMYM6	zinc finger MYM-type containing	-1.383436729	-1.222310056	8.170976	5.911039	6.282352	5.38998216	4.93482226	5.10797864	1607	1552	1617
285672	NM_173829	SREK1IP1	SREK1 interacting protein 1	-1.072666189	-1.222470535	5.639249	5.263585	4.336913	5.2722583	5.17375987	4.99071621	1478	1841	1487
10322	NM_006062	SMYD5	SMYD family member 5	1.058512972	-1.222631627	20.514797	21.735203	15.765525	5.70800345	5.78852012	5.42412756	2013	2847	2025
50515	NM_001173982,NM_018413	CHST11	carbohydrate sulfotransferase 11	1.492486656	-1.22279259	14.794992	22.104309	11.363498	6.39161993	6.96367223	6.10525254	3257	6495	3276
9360	NM_004792	PPIG	peptidylprolyl isomerase G	1.136091757	-1.222800154	51.402573	58.462898	39.502102	7.09201585	7.27483138	6.8041746	5317	8071	5348
3265	NM_001130442,NM_001318054	HRAS	HRas proto-oncogene, GTPase	-1.181877384	-1.223022061	20.591957	17.349784	15.578922	4.56339093	4.33333585	4.28644656	889	1005	894
6137	NM_000977,NM_001243130,NM	RPL13	ribosomal protein L13	1.429420057	-1.223128964	195.19904	281.100937	150.792502	9.75094689	10.26587511	9.46074284	33789	64533	33977
1849	NM_001947	DUSP7	dual specificity phosphatase 7	1.165514681	-1.223328753	3.03352	3.53724	2.328443	3.39939883	3.60087125	3.13871764	375	584	377
10154	NM_005761,NR_037687	PLXNC1	plexin C1	1.018800757	-1.223368962	1.091497	1.305471	0.982853	2.05212659	2.57446443	2.3150407	191	260	192
54940	NM_001079839,NM_001079840	OCIAD1	OCIA domain containing 1	1.016933465	-1.223376744	139.109589	141.716174	107.113776	8.08712427	8.11126146	7.79743672	10637	14453	10694
83985	NM_001142448,NM_001142449	SPNS1	sphingolipid transporter 1 (putativ	1.339431234	-1.223404488	22.747127	30.591304	17.375934	5.60983593	6.023971	5.32550055	1878	3361	1888
90861	NM_144570	JPT2	Jupiter microtubule associated ho	1.05242497	-1.223455366	46.967335	49.490421	36.074692	7.40463441	7.47792875	7.11556886	6613	9299	6648
55345	NM_001350397,NM_018392	ZGRF1	zinc finger GRF-type containing 1	-1.17354497	-1.223613964	6.949571	5.816896	5.304009	5.50773204	5.28233643	5.22363661	1747	1989	1756
9743	NM_001142685,NM_014715	ARHGAP32	Rho GTPase activating protein 32	-2.231575602	-1.223710741	14.205373	6.377107	10.932689	7.09093806	5.94581483	6.80203422	5313	3181	5340
6875	NM_001293725,NM_005640,NR	TAF4B	TATA-box binding protein associ	-1.064608768	-1.22374705	4.692882	4.53622	3.698461	4.41108736	4.32512669	4.13483255	796	999	800
5073	NM_001134477,NM_001242992	PARN	poly(A)-specific ribonuclease	1.030178655	-1.223760927	16.974177	17.483069	12.989322	5.68960924	5.73168691	5.40451103	1987	2735	1997
284276	NR_015417	LINC00908	long intergenic non-protein codin	3.684711395	-1.223764358	0.046654	0.213637	0.035646	0.17294258	0.56226574	0.14214747	5	25	5
407019	NR_029665	MIR27B	microRNA 27b	1.04680643	-1.223764358	1.268409	1.220474	0.979317	0.17294258	0.18071335	0.14214747	5	7	5
100129995	NR_135200	LINC01460	long intergenic non-protein codin	3.098510292	-1.223764358	0.036589	0.14119	0.027956	0.17294258	0.48576948	0.14214747	5	21	5
100847052	NR_049842	MIR664B	microRNA 664b	-5.96997905	-1.223764358	1.964865	0.035049	1.444062	0.17294258	0.02724389	0.14214747	5	1	5
283507	NR_003365	SUGT1P3	SGT1 homolog, MIS12 kinetochc	1.193356706	-1.223764358	0.124006	0.13155	0.076218	0.17294258	0.20477631	0.14214747	5	8	5
102465445	NR_106801	MIR6743	microRNA 6743	1.193356706	-1.223764358	1.499412	1.970822	1.382538	0.17294258	0.20477631	0.14214747	5	8	5
102465487	NR_106870	MIR6812	microRNA 6812	1.633007534	-1.223764358	2.011472	3.302315	1.252359	0.17294258	0.27464693	0.14214747	5	11	5
100113389	NR_003691	SNORD127	small nucleolar RNA, C/D box 12	1.193356706	-1.223764358	1.287263	1.546722	1.009508	0.17294258	0.20477631	0.14214747	5	8	5
4437	NM_002439	MSH3	mutS homolog 3	1.094673243	-1.22409038	4.954774	5.431057	3.603844	4.49065587	4.61501835	4.21263029	843	1233	847
79677	NM_001142286,NM_024624	SMC6	structural maintenance of chrom	-1.118313019	-1.224128358	18.151157	16.156766	13.928736	6.53006772	6.37058443	6.24179753	3589	4288	3606
9962	NM_005116,NM_203327	SLC23A2	solute carrier family 23 member 2	1.343888095	-1.224144758	11.169022	15.010887	8.573381	6.25779957	6.67939329	5.97023307	2965	5324	2979
10186	NM_005780	LHFP	lipoma HMGIC fusion partner	1.200038468	-1.224405124	2.741142	3.297904	2.10495	2.76169834	2.98897501	2.51644942	227	364	228
7324	NM_001202476,NM_003341,NM	UBE2E1	ubiquitin conjugating enzyme E2	-1.030407671	-1.224504831	54.66187	53.088106	41.994039	6.6261994	6.58342698	6.33726668	3839	4978	3856
23220	NM_001300727,NM_015177	DTX4	deltex E3 ubiquitin ligase 4	-1.040438222	-1.224598709	11.417977	10.988906	8.762007	6.0321428	5.97584027	5.74476254	2530	3249	2541
4792	NM_020529	NFKBIA	NFKB inhibitor alpha	1.168905174	-1.224626933	61.716953	72.222145	47.358448	6.57238473	6.79535639	6.28343397	3697	5774	3713
3836	NM_002264,NR_026698	KPNA1	karyopherin subunit alpha 1	1.467730528	-1.224723765	16.74034	24.622318	12.965078	6.84400047	7.39359099	6.55435539	4471	8768	4490
90288	NM_207307	EFCAB12	EF-hand calcium binding domain	5.900078648	-1.224769742	0.072873	0.43125	0.046398	0.20517559	0.93737891	0.16897038	6	48	6
131450	NM_138806,NM_138939,NM_13	CD200R1	CD200 receptor 1	2.713694491	-1.224769742	0.069088	0.183405	0.052786	0.20517559	0.50527715	0.16897038	6	22	6
167359	NM_153361,NR_072980	NIM1K	NIM1 serine/threonine protein kir	2.468588018	-1.224769742	0.053554	0.133158	0.040918	0.20517559	0.46599441	0.16897038	6	20	6
4992	NM_012360	OR1F1	olfactory receptor family 1 subfar	2.836247728	-1.224769742	0.166337	0.478471	0.121187	0.20517559	0.52452456	0.16897038	6	23	6
101929523	NR_134621	LOC101929523	uncharacterized LOC101929523	1.855821834	-1.224769742	0.148779	0.279405	0.109381	0.20517559	0.36283659	0.16897038	6	15	6
406992	NR_029623	MIR210	microRNA 210	5.409865701	-1.224769742	1.342208	7.724204	1.056086	0.20517559	0.8787583	0.16897038	6	44	6
7124	NM_000594	TNF	tumor necrosis factor	-1.969526583	-1.224769742	0.093712	0.035107	0.0716	0.20517559	0.10601836	0.16897038	6	4	6
100862704	NR_046414	LINC00441	long intergenic non-protein codin	-3.807641671	-1.224769742	0.128447	0.032148	0.09142	0.20517559	0.05398282	0.16897038	6	2	6
51555	NM_001256750,NM_001256751	PEX5L	peroxisomal biogenesis factor 5 l	-1.002055238	-1.224769742	0.016624	0.012879	0.011299	0.20517559	0.20477631	0.16897038	6	8	6
284695	NM_001320185,NM_181781,NM	ZNF326	zinc finger protein 326	1.076347133	-1.224772913	9.9209	10.247417	7.292357	6.20298715	6.30774462	5.91485546	2853	4103	2865
8992	NM_003945	ATP6V0E1	ATPase H+ transporting V0 subu	-1.091760258	-1.224919911	181.287277	166.230682	139.064194	7.29167181	7.1658581	7.00104804	6112	7480	6137
56941	NM_001006109,NM_020187	HMCES	5-hydroxymethylcytosine (hmC) b	1.610915438	-1.225022146	31.801586	51.829146	24.53168	5.69954294	6.37688593	5.41295079	2001	4307	2009
51506	NM_016406	UFC1	ubiquitin-fold modifier conjugating	-1.319116269	-1.225246199	48.884384	37.102058	37.499908	5.76587717	5.37471879	5.47874833	2097	2124	2105
57463	NM_020703	AMIGO1	adhesion molecule with Ig like do	4.859283377	-1.225493422	0.072539	0.359663	0.055143	0.23670415	0.90836632	0.19530369	7	46	7
645700	NR_034163	ZNF890P	zinc finger protein 890, pseudoge	1.173459454	-1.225493422	0.098778	0.130638	0.077902	0.23670415	0.27464693	0.19530369	7	11	7
199990	NM_001146310,NM_001256945	FAAP20	Fanconi anemia core complex as	1.107156936	-1.225681976	28.471882	31.000742	23.881565	4.93293448	5.07522832	4.64993924	1160	1716	1164
402778	NM_001170820	IFITM10	interferon induced transmembran	1.215802258	-1.225833539	37.996895	46.243587	29.126333	7.11074803	7.39080774	6.8193336	5387	8751	5405
79023	NM_024057	NUP37	nucleoporin 37	-1.170123186	-1.2258587	54.904869	46.966038	42.083981	6.13193076	5.90875638	5.84276377	2714	3099	2723
124359	NM_152342	CDYL2	chromodomain Y like 2	18.47707272	-1.226039248	0.025758	0.481131	0.019461	0.26755841	2.26684378	0.22116494	8	200	8
91608	NM_033315	RASL10B	RAS like family 10 member B	4.629168397	-1.226039248	0.061309	0.306668	0.049462	0.26755841	0.96581954	0.22116494	8	50	8
644903	NR_135290	GCC2-AS1	GCC2 antisense RNA 1	-3.446393706	-1.226039248	0.368928	0.100018	0.283483	0.26755841	0.08023518	0.22116494	8	3	8
8350	NM_003529	HIST1H3A	histone cluster 1 H3 family memb	-1.763306246	-1.226039248	0.446248	0.219731	0.32365	0.26755841	0.15624221	0.22116494	8	6	8
11251	NM_004778	PTGDR2	prostaglandin D2 receptor 2	1.213351997	-1.226039248	0.068546	0.080831	0.054951	0.26755841	0.31941552	0.22116494	8	13	8
102465879	NR_107052	MIR8085	microRNA 8085	-2.614531255	-1.226039248	2.857218	1.119666	2.201297	0.26755841	0.10601836	0.22116494	8	4	8
64768	NM_022755	IPPK	inositol-pentakisphosphate 2-kina	1.046268597	-1.226214119	9.838854	10.308354	7.542394	5.43229651	5.49607553	5.14560245	1656	2315	1661
7589	NM_145914	ZSCAN21	zinc finger and SCAN domain co	-1.506641374	-1.226372722	4.637188	3.078764	3.556395	3.32067256	2.80050884	3.05850609	353	313	354
29920	NM_001271681,NM_013328	PYCR2	pyrroline-5-carboxylate reductase	1.104645545	-1.226456453	57.603449	63.869434	44.145296	6.64394559	6.78616557	6.35270345	3887	5737	3898
101928545	NR_120511,NR_120512	SEPT7-AS1	SEPT7 antisense RNA 1 (head to	-1.980810008	-1.226465609	0.271173	0.145063	0.208989	0.29776659	0.15624221	0.24657076	9	6	9
339742	NR_135203	FAM201B	family with sequence similarity 20	1.819759044	-1.226465609	0.129431	0.265849	0.098891	0.29776659	0.50527715	0.24657076	9	22	9
692089	NR_003047	SNORD19	small nucleolar RNA, C/D box 19	1.408848085	-1.226465609	2.767452	4.351376	2.158712	0.29776659	0.40498891	0.24657076	9	17	9
1589	NM_000500,NM_000500_dup1,N	CYP21A2	cytochrome P450 family 21 subfa	2.395034387	-1.226465609	0.098212	0.258058	0.084402	0.29776659	0.63490936	0.24657076	9	29	9

109616991	NR_145744	SNORD19C	small nucleolar RNA, C/D box 19	1.408848085	-1.226465609	3.344097	4.866369	2.481179	0.29776659	0.40498891	0.24657076	9	17	9
22921	NM_012228	MSRB2	methionine sulfoxide reductase E	1.125725845	-1.226513445	10.484977	11.810632	8.029247	4.28481203	4.44740017	4.0068703	726	1092	728
7768	NM_001321685,NM_013362	ZNF225	zinc finger protein 225	-1.443578256	-1.226701459	2.191113	1.518095	1.733475	3.44734922	2.97505117	3.18215673	389	360	390
101060553	NR_120398	LOC101060553	uncharacterized LOC101060553	1.34350598	-1.226807858	0.057836	0.085429	0.049051	0.3273552	0.42561204	0.27153692	10	18	10
9752	NM_014005,NM_031857	PCDHA9	protocadherin alpha 9	2.750474764	-1.226807858	0.038879	0.118956	0.029121	0.3273552	0.27006602	0.27153692	10	37	10
375449	NM_001164664,NM_001290226	MAST4	microtubule associated serine/thr	-1.43645498	-1.226847254	2.931759	2.170252	2.407161	4.98259535	4.47980886	4.69792476	1202	1118	1205
9961	NM_001293204,NM_001293205	MVP	major vault protein	-1.190605459	-1.226880599	73.457623	61.25729	56.051474	7.6855486	7.4351847	7.39213832	8043	9026	8063
9519	NM_001253676,NM_004865	TBPL1	TATA-box binding protein like 1	1.174253934	-1.226888865	8.133757	9.552807	6.126594	3.52601466	3.73910482	3.25906955	413	648	414
79153	NM_024307	GDPD3	glycerophosphodiester phosphoc	-2.484298299	-1.226958989	19.886272	7.99969	15.230826	4.47692439	3.25693382	4.1964253	835	449	837
5138	NM_001143839,NM_001146209	PDE2A	phosphodiesterase 2A	2.031153151	-1.227088651	0.060615	0.132263	0.046312	0.35634914	0.65251278	0.29607837	11	30	11
101059948	NR_073552	LOC101059948	uncharacterized LOC101059948	-1.222132031	-1.227088651	0.563857	0.461915	0.409484	0.35634914	0.29720487	0.29607837	11	12	11
100616132	NR_039881	MIR4728	microRNA 4728	-1.222132031	-1.227088651	4.229413	3.284799	3.018769	0.35634914	0.29720487	0.29607837	11	12	11
253714	NM_001350599,NM_001350600	MMS22L	MMS22 like, DNA repair protein	1.025261029	-1.227182589	2.699042	2.801068	2.098375	4.58498718	4.61950066	4.30319063	903	1237	905
150221	NM_001128633,NM_001128633	RIMBP3C	RIMS binding protein 3C	1.801568269	-1.227323176	0.052702	0.096971	0.03796	0.38477185	0.63490936	0.32020933	12	29	12
4174	NM_006739	MCM5	minichromosome maintenance c	1.78398945	-1.227368869	118.064323	210.855362	90.387291	8.19801785	9.03097025	7.90356234	11490	27388	11514
23541	NM_001204204,NM_001291932	SEC14L2	SEC14 like lipid binding 2	1.6412459	-1.227580978	17.500932	27.017585	13.30041	5.76722721	6.47166029	5.47740771	2099	4603	2103
51750	NM_001283009,NM_001283010	RTEL1	regulator of telomere elongation l	1.069051874	-1.2275816	8.176755	8.752202	6.261557	5.3643416	5.45841569	5.07644857	1578	2254	1581
4820	NM_001349124,NM_001349125	NKTR	natural killer cell triggering recept	-1.067379184	-1.227625681	26.507382	24.936827	20.374957	7.57657587	7.48301086	7.28241957	7455	9332	7469
51207	NM_001007271,NM_001007272	DUSP13	dual specificity phosphatase 13	1.917532178	-1.227692696	0.203764	0.395931	0.157705	0.43999062	0.75384785	0.36729312	14	36	14
677802	NR_002956	SNORA14B	small nucleolar RNA, H/ACA box	-1.038897293	-1.227692696	2.653542	2.525856	1.948251	0.43999062	0.42561204	0.36729312	14	18	14
80114	NM_001080512	BICC1	BicC family RNA binding protein	7.069531599	-1.227970625	0.076414	0.544379	0.054983	0.49317359	1.96260273	0.41288872	16	152	16
693174	NR_030318	MIR589	microRNA 589	-1.52166906	-1.227970625	4.160059	2.722937	3.116482	0.49317359	0.3412894	0.41288872	16	14	16
8348	NM_003527	HIST1H2BO	histone cluster 1 H2B family mem	1.625011121	-1.228085264	0.919836	1.517276	0.72381	0.5190475	0.77006602	0.43515728	17	37	17
406988	NR_029622	MIR205	microRNA 205	3.506267518	-1.228085264	3.976265	14.168557	3.023959	0.5190475	1.33632702	0.43515728	17	80	17
101929769	NR_132101	LINC01063	long intergenic non-protein codin	1.056259188	-1.228085264	1.292083	1.373282	0.937727	0.5190475	0.54351856	0.43515728	17	24	17
100507540	NR_110952,NR_110953	LINC01504	long intergenic non-protein codin	-1.616141504	-1.228085264	0.246396	0.375826	0.354128	0.5190475	0.3412894	0.43515728	17	14	17
26517	NM_012458	TIMM13	translocase of inner mitochondria	1.144912539	-1.22813758	27.101225	31.06514	20.731319	5.74547346	5.93731246	5.45510578	2067	3162	2070
10363	NM_001304504,NM_001304505	HMG20A	high mobility group 20A	-1.133232929	-1.228273286	9.680959	8.512826	7.426002	5.29021237	5.11465843	5.00194865	1497	1765	1499
8614	NM_003714	STC2	stanniocalcin 2	12.5865455	-1.228360868	0.097879	1.239606	0.07345	0.59399636	0.49997203	0.49997203	20	338	20
23101	NM_015078	MCF2L2	MCF.2 cell line derived transform	4.509251297	-1.228360868	0.099951	0.471333	0.075995	0.59399636	1.72538257	0.49997203	20	121	20
100507171	NR_045634,NR_045636,NR_04	BOLA3-AS1	BOLA3 antisense RNA 1 (head t	-1.333736392	-1.228360868	0.120535	0.091943	0.095362	0.59399636	0.46599441	0.49997203	20	20	20
57699	NM_001314017,NM_001314018	CPNE5	copine 5	-1.112763486	-1.228360868	0.156313	0.140298	0.116229	0.59399636	0.54351856	0.49997203	20	24	20
109617023	NR_145714	SNORA58B	small nucleolar RNA, H/ACA box	1.233666549	-1.228360868	3.668216	4.700621	2.904527	0.59399636	0.70406985	0.49997203	20	33	20
7007	NM_005422	TECTA	tectorin alpha	1.281595487	-1.228435352	0.081301	0.106661	0.062502	0.61813834	0.75384785	0.52094563	21	36	21
338557	NM_001195755,NM_181745	FFAR4	free fatty acid receptor 4	-1.400068286	-1.228435352	0.145549	0.105352	0.114076	0.61813834	0.46599441	0.52094563	21	20	21
9389	NM_001320033,NM_004803	SLC22A14	solute carrier family 22 member	-1.013543289	-1.228503106	0.260199	0.251824	0.195821	0.64188297	0.63490936	0.54161868	22	29	22
105377763	NR_134259,NR_134260	LOC105377763	uncharacterized LOC105377763	1.054347812	-1.228503106	0.667834	0.691123	0.494862	0.64188297	0.669904	0.54161868	22	31	22
146512	NR_026674	FLJ30679	uncharacterized protein FLJ3067	1.359043406	-1.228503106	0.290419	0.395698	0.221892	0.64188297	0.81765451	0.54161868	22	40	22
56146	NM_018905,NM_031495,NM_03	PCDHA2	protocadherin alpha 2	2.950231505	-1.228503106	0.180058	0.468995	0.143479	0.64188297	1.41062362	0.54161868	22	87	22
100423020	NR_036212	MIR4258	microRNA 4258	-1.097033567	-1.228565004	6.418635	5.984348	4.877997	0.66524311	0.61708849	0.56199967	23	28	23
728039	NR_027292	SSR4P1	signal sequence receptor subunit	1.971707455	-1.228674026	0.28955	0.570704	0.219386	0.71085839	1.1751656	0.60191771	25	66	25
56681	NM_001142648,NM_020150	SAR1A	secretion associated Ras related	-1.728385212	-1.228676606	51.223312	29.626566	39.199942	7.23669406	6.45420104	6.94176835	5882	4547	5888
100101478	NR_130172,NR_130172_dup1	LOC100101478	H2B histone family member M ps	-1.085218635	-1.22872228	0.69303	0.625385	0.522287	0.73313634	0.68708806	0.62147005	26	32	26
140766	NM_080722,NM_139155	ADAMTS14	ADAM metallopeptidase with thro	-1.564979134	-1.228766978	0.126811	0.078656	0.095846	0.7550755	0.52452456	0.64076093	27	23	27
29933	NM_001278694,NM_001278695	GPR132	G protein-coupled receptor 132	-3.092683628	-1.228808499	0.183454	0.06073	0.143288	0.77668602	0.29720487	0.65979727	28	12	28
503945	NR_002221	DPRXP4	divergent-paired related homeob	-1.68044586	-1.22884717	1.113602	0.649934	0.864824	0.79797761	0.52452456	0.6758857	29	23	29
102465478	NR_106855	MIR6797	microRNA 6797	-1.06181933	-1.228917061	10.905929	10.462553	8.487865	0.83964067	0.80196545	0.71544405	31	39	31
5537	NM_001123355,NM_001123369	PPP6C	protein phosphatase 6 catalytic s	-1.79286647	-1.228921018	22.766016	12.760931	17.452244	6.56036466	5.73013338	6.26645766	3666	2732	3669
152816	NM_001206981,NM_001257072	C4orf26	chromosome 4 open reading fran	1.332038453	-1.228948744	0.428746	0.570122	0.326104	0.86002952	1.06116576	0.73352601	32	57	32
693232	NR_030377	MIR647	microRNA 647	1.653508472	-1.228978515	8.822955	14.834642	6.695739	0.88013425	1.25799553	0.75138414	33	73	33
100506033	NR_040037	PTOV1-AS1	PTOV1 antisense RNA 1	1.47583322	-1.229103951	0.456986	0.678431	0.348236	0.97665845	1.28081328	0.83750224	38	75	38
6855	NM_003179	SYP	synaptophysin	-1.183693331	-1.229125193	0.41914	0.350052	0.316814	0.99521185	0.8787583	0.85412573	39	44	39
28984	NM_014059	RGCC	regulator of cell cycle	-1.404920965	-1.229145376	0.924346	0.657369	0.719812	1.01352966	0.7861039	0.87055986	40	38	40
4005	NM_001142315,NM_001142316	LMO2	LIM domain only 2	-1.667171835	-1.229145376	0.448347	0.267372	0.344886	1.01352966	0.68708806	0.87055986	40	32	40
9077	NM_004675	DIRAS3	DIRAS family GTPase 3	-1.777789402	-1.229145376	0.530254	0.289178	0.404835	1.01352966	0.65251278	0.87055986	40	30	40
574040	NR_002325	SNORA6	small nucleolar RNA, H/ACA box	1.886646835	-1.229182868	7.224816	13.930449	5.524035	1.04948198	1.59489542	0.90287695	42	106	42
8843	NM_006018	HCAR3	hydroxycarboxylic acid receptor 3	1.203529749	-1.2292481	0.563013	0.675066	0.430072	1.11880553	1.26944952	0.96541723	46	74	46
2281	NM_001322963,NM_001322964	FKBP1B	FK506 binding protein 1B	-2.295952344	-1.229425047	1.524022	0.671725	1.161087	1.36692851	0.75384785	1.19154816	62	36	62
145788	NM_001198784	C15orf65	chromosome 15 open reading fra	-1.806928636	-1.229448546	2.255081	1.238005	1.703497	1.40904982	0.93737891	1.23026757	65	48	65
100303728	NR_028443,NR_134914,NR_13	SLC25A5-AS1	SLC25A5 antisense RNA 1	1.348884296	-1.229455906	0.557637	1.076408	0.510799	1.42282133	1.70865125	1.24294651	66	119	66
220988	NM_001330247,NM_001330248	HNRNPA3	heterogeneous nuclear ribonucle	1.124673677	-1.229496591	148.39212	174.898897	118.207324	9.48519976	9.65448611	9.18759261	28098	42223	28108
94120	NM_001009991,NM_001242384	SYTL3	synaptotagmin like 3	-1.407557693	-1.229529528	0.701579	0.528152	0.560631	1.57857476	1.26944952	1.38699077	78	74	78
401898	NR_028594	ZNF833P	zinc finger protein 833, pseudoge	1.273771667	-1.229558463	1.097219	1.395596	0.838318	1.65056839	1.89765633	1.45395569	84	143	84
101927752	NR_134302,NR_134303	LOC101927752	uncharacterized LOC101927752	1.488861398	-1.229618673	2.037319	3.038617	1.550972	1.82664439	2.2611178	1.61867597	100	199	100
80896	NM_001200050,NM_001200051	NPL	N-acetylneuraminate pyruvate lya	1.949117556	-1.229644783	0.955155	2.062108	0.843666	1.91699278	2.6812291	1.70368302	109	284	109
100506990	NR_040091,NR_040092	LOC100506990	uncharacterized LOC100506990	2.05378887	-1.229728253	1.432247	2.871193	1.136076	2.29192162	3.17099075	2.05953665	153	420	153
9149	NM_004714,NM_006483,NM_00	DYRK1B	dual specificity tyrosine phosphor	1.60285131	-1.229762168	1.88329	3.066562	1.432857	2.50111114	3.08285145	2.25996639	183	392	183
4482	NM_001135670,NM_001135671	MSRA	methionine sulfoxide reductase A	-1.122065833	-1.229787919	3.638738	3.256793	2.787347	2.69516719	2.55587612	2.44691815	215	256	215
3682	NM_002208	ITGAE	integrin subunit alpha E	-1.274606968	-1.229817924	1.828789	1.433348	1.396369	2.97768275	2.67693481	2.72060965	270	283	270
138241	NM_182505	C9orf85	chromosome 9 open reading fran	-1.241300718	-1.229851887	7.5477	6.093453	5.766896	3.41670749	3.1370039	3.14885876	380	409	380
145389	NM_001172702,NM_153811,NR	SLC38A6	solute carrier family 38 member 6	1.589602775	-1.229859647	6.133214	10.18648	4.835763	3.54502861	4.16723545	3.27458965	419	890	419
550112	NR_015439	UBA6-AS1	UBA6 antisense RNA 1 (head to	1.152906488	-1.229859827	4.791012	5.534625	3.65897	3.54817338	3.73704369	3.27767373	420	647	420
79840	NM_024782	NHEJ1	non-homologous end joining fact	-1.000149699	-1.229873744	6.403202	6.406427	4.886375	3.81942505	3.81922435	3.54415067	515	688	515
64421	NM_001033855,NM_001033857	DCLRE1C	DNA cross-link repair 1C	-2.230876209	-1.229898215	3.696615	1.820657	2.749657	4.50955634	3.42767171	4.22546449	855	512	855
8634	NM_001130841,NM_003729	RTCA	RNA 3'-terminal phosphate cycla	-1.338535497	-1.229916008	16.600475	12.385741	12.668224	5.42204799	5.01270852	5.13118205	1644	1641	1644
9640	NM_014630	ZNF592	zinc finger protein 592	1.029561499	-1.229922148	7.714906	7.949808	5.89272	5.96431343	6.00568164	5.67103429	2412	3318	2412
22848	NM_014911	AAK1	AP2 associated kinase 1	1.130879578	-1.230147852	6.936056	7.852168	5.298069	7.17594467	7.35227804	6.87944069	8519	5638	8537
11200	NM_001005735,NM_001257387	CHEK2	checkpoint kinase 2	-1.036498135	-1.230301148	44.817606	44.240178	34.784138	6.3999119	6.34881611	6.10481849	3276	4223	3275
258010	NM_001320340,NM_001320341	SVIP	small VCP interacting protein	-1.789607528	-1.230651877	13.644882	7.841238	10.424605	5.44669174	4.63286465	5.15485706	1673	1249	1672
4190	NM_001199111,NM_001199112	MDH1	malate dehydrogenase 1	-1.016961034	-1.231010344	163.387647	174.181002	134.379825	8.03749812	8.013326659	7.73891952	10276	13501	10267
91947	NM_183376	ARRDC4	arrestin domain containing 4	2.849110208	-1.231104139	6.594216	18.82546	5.036591	4.76199564	6.23767564	4.47424393	1026	3906	1025
27071	NM_001306151,NM_014395	DAPP1	dual adaptor of phosphotyrosine	-1.382186574	-1.231147906	8.786116	6.375222	6.720091	4.71099515	4.26488638	4.42363166	989	956	988
8443	NM_001316350,NM_014236	GNPAT	glyceronephosphate O-acyltransf	-1.08451392	-1.23123427	27.896701	25.527421	20.998276	6.18592705	6.07054771	5.89038369	2819	3473	2816
284058	NM_001193465,NM_001193466	KANSL1	KAT8 regulatory NSL complex su	1.009305274	-1.231281436	18.742257	18.8763	14.260063	6.5482436	6.56146445	6.2516338	3635	4902	3631
2739	NM_006708	GLO1	glyoxalase I	-1.191689543	-1.231463737	71.837479	60.353672	54.817459	7.17114833	6.92005225	6.87308272	5619	6300	5612
5435	NM_001301129,NM_001301130	POLR2F	RNA polymerase II subunit F	-1.045193928	-1.231496489	29.854345	28.029296	24.587814	5.92493645	5.86223565	5.62999497	2346	2999	2343
65082	NM_001351018,NM_001351019	VPS33A	VPS33A, CORVET/HOPS core s	-1.1095985	-1.232122556	6.51768	5.52145	4.670284	4.87400371	4.72933337	4.58420075	1112	1339	1110
51637	NM_016039	C14orf166	chromosome 14 open reading fra	-1.013672597	-1.232312808	180.276489	178.042694	137.465225	7.5351761	7.51569039	7.2356082	7243	9547	7229
375484	NM_001308195,NM_001308196	SIMC1	SUMO interacting motifs containi	1.108807835	-1.232365552	7.340771	12.56075	6.125184	4.7277342	4.87140522	4.43886489	1001	1483	999
10328	NM_001142288,NM_006067	EMC8	ER membrane protein complex s	1.065028703	-1.232500331	31.950646	34.0918	24.294427	5.95130682	6.04077869	5.65511417	2390	3401	2385
339290	NR_015389	LINC00667	long intergenic non-protein codin	-1.145588559	-1.232614978	5.969893	5.218248	4.550748	4.59262244	4.40518902	4.30470323	908	1059	906
9655	NM_014011,NM_144949	SOCS5	suppressor of cytokine signaling	1.351556851	-1.232697276	5.108201	6.911726	3.891417	4.5509035	4.96947085	4.26329596	881	1591	879
8165	NM_001242902,NM_001242903	AKAP1	A-kinase anchoring protein 1	-1.138365693	-1.232873554	27.582591	24.256404	20.955454	6.7494885	6.56437343	6.45057385	4185	4912	4175
3301	NM_001314039,NM_001539	DNAJA1	DnaJ heat shock protein family (H	1.277726276	-1.2329633	62.343459	79.709615	47.489749	7.18913866	7.54057288	6.88930352	5690	9714	5676
1025	NM_001261	CDK9	cyclin dependent kinase 9	-1.024550785	-1.232992448	34.03207	33.251671	25.938503	6.37356266	6.53899711	6.07543546	3216	4194	3208
58526	NM_001098790,NM_001098791	MID1IP1	MID1 interacting protein 1	-1.316118903	-1.233288472	5.018176	3.816595	3.824881	4.28481203	3.91166916	3.99941726	726	737	724
11190	NM_001318219,NM_007186	CEP250	centrosomal protein 250	1.119561315	-1.233564223	16.616853	17.954783	12.24731	7.02954056	7.19129757	6.72927724	5090	7614	5075
3093	NM_001111112,NM_001111113	UBE2K	ubiquitin conjugating enzyme E2	1.017956409	-1.233690765	27.843341	28.557613	21.353235	7.16014268	7.18564101	6.85951043	5576	7584	5559
93622	NR_015433	LOC93622	Morf4 family associated protein 1	-1.134917671	-1.233761205	15.034332	13.262694	11.451833	4.66827758	4.49330406	4.37837968	959	1129	956

283970	NR_003610	PDXDC2P-NPIPB14P	nuclear pore complex-interacting	-1.120346935	-1.233792694	21.955454	19.619389	16.722963	6.49830814	6.33627662	6.19892364	3510	4186	3499
654320	NR_002920	SNORA8	small nucleolar RNA, H/ACA box	-1.721433189	-1.233836568	57.857059	33.663013	44.061317	3.14487866	2.47408961	2.8792661	308	239	307
3611	NM_001014794,NM_001014795	ILK	integrin linked kinase	-1.480473241	-1.233857576	72.941824	49.052597	55.104541	7.01114134	6.45043212	6.71057118	5025	4535	5009
22984	NM_014976	PDCD11	programmed cell death 11	-1.243199765	-1.234005327	12.326716	9.929064	9.386649	6.28585772	5.97627719	5.98681712	3024	3250	3014
730094	NM_001164579	C16orf52	chromosome 16 open reading fra	-1.001757278	-1.234032684	8.820354	8.815272	6.714599	5.29115116	5.28868274	4.99634336	1498	1998	1493
23368	NM_015316	PPP1R13B	protein phosphatase 1 regulatory	1.337408551	-1.234080724	6.23968	8.35358	4.749407	4.96034122	5.36807488	4.66768061	1183	2114	1179
9221	NM_001284388,NM_001284389	NOLC1	nucleolar and coiled-body phospl	-1.204806312	-1.234183735	75.038952	62.370188	57.139586	8.17684077	7.90905744	7.87444728	11322	12556	11283
54859	NM_001031703	ELP6	elongator acetyltransferase comp	-1.063539641	-1.234331319	16.186796	15.24057	12.327312	4.47692439	4.39215006	4.18825403	835	1049	832
4221	NM_000244,NM_130799,NM_13	MEN1	menin 1	1.134856675	-1.234662458	23.506318	26.693849	17.762512	6.07365394	6.25362336	5.77454073	2605	3950	2595
10412	NM_001271665,NM_014886,NR	NSA2	NSA2, ribosome biogenesis hom	1.000544787	-1.234719718	120.791884	121.201492	91.85609	7.36773179	7.36851279	7.06559119	6445	8616	6420
391	NM_001665	RHOG	ras homolog family member G	-1.184598427	-1.234788873	45.261982	38.2542	34.454582	5.88631942	5.6464045	5.58775396	2283	2575	2274
84527	NM_001202406,NM_001202407	ZNF559	zinc finger protein 559	-3.343738283	-1.234883835	2.222553	0.608991	1.589358	2.84588727	1.51053416	2.58776159	243	97	242
57541	NM_020781,NM_170686	ZNF398	zinc finger protein 398	-1.770165478	-1.234884437	3.568887	2.019328	2.716548	4.31466478	3.5454167	4.02716981	742	560	739
8527	NM_003648,NM_152879	DGKD	diacylglycerol kinase delta	-1.182896627	-1.23521362	8.726962	7.385533	6.641366	5.76790176	5.53039898	5.46933775	2100	2372	2091
642826	NR_024495,NR_024495_dup1	BMS1P6	BMS1, ribosome biogenesis facto	-1.404531255	-1.235281241	1.248612	0.892587	0.949941	2.75082071	2.34470901	2.49540988	225	214	224
4144	NM_005911	MAT2A	methionine adenosyltransferase :	1.56814667	-1.235353146	128.929047	202.412247	98.076157	8.56359466	9.21127677	8.25956572	14815	31041	14750
260294	NR_033323	NSUN5P2	NOP2/Sun RNA methyltransfera	-1.356819217	-1.235461226	16.454615	12.143124	12.521534	4.87400371	4.451177	4.58045927	1112	1095	1107
6043	NR_002586	SNORA63	small nucleolar RNA, H/ACA box	-1.024042796	-1.235561945	126.358864	123.597305	96.189949	4.14017606	4.10786053	3.85410038	653	852	650
29095	NM_014182	ORMDL2	ORMDL sphingolipid biosynthesi	-1.129712928	-1.235924951	40.351688	35.761238	30.673349	5.73929565	5.56682881	5.44004397	2058	2434	2048
9467	NM_001018009,NM_004844	SH3BP5	SH3 domain binding protein 5	-1.355976481	-1.235946616	6.433338	4.817329	4.894283	4.44691093	4.03087288	4.15677414	817	805	813
328	NM_001244249,NM_001641,NM	APEX1	apurinic/apyrimidinic endodeoxyr	1.38408143	-1.236216186	89.67431	124.523958	68.317046	7.08985946	7.55585447	6.78642074	5309	9818	5282
8498	NM_001300865,NM_003624,NM	RANBP3	RAN binding protein 3	1.150696236	-1.23632989	23.671052	27.253546	17.878407	6.22378661	6.42377037	5.92226458	2895	4451	2880
51277	NM_001198559,NM_016544	DNAJC27	DnaJ heat shock protein family (I	1.001229776	-1.236425319	1.981109	2.035806	1.541616	3.40287721	3.40448323	3.12850473	376	503	374
55174	NM_018142	INTS10	integrator complex subunit 10	-1.221435067	-1.236439402	19.57402	16.042128	14.874909	5.62331734	5.34118895	5.32400962	1896	2074	1886
130026	NM_001288622,NM_001288623	ICA1L	islet cell autoantigen 1 like	1.084169863	-1.236442534	0.579164	0.932093	0.437891	2.51403512	2.61093762	2.26619062	185	268	184
84912	NM_032826	SLC35B4	solute carrier family 35 member E	-1.11563646	-1.236451475	2.893299	2.59567	2.197703	4.33665583	4.18699961	4.04718766	754	903	750
29087	NM_001037304,NM_001037305	THYN1	thymocyte nuclear protein 1	-1.411341631	-1.236500976	28.907755	21.586541	22.086272	4.89020329	4.41295621	4.59536729	1125	1065	1119
64151	NM_022346,NR_073124	NCAPG	non-SMC condensin I complex su	-1.025203328	-1.2365226	36.268088	35.375869	27.496189	7.39418677	7.35849225	7.08991945	6565	8556	6530
203286	NM_173551	ANKS6	ankyrin repeat and sterile alpha r	-1.246607701	-1.236697665	11.979366	9.620754	9.101921	4.60469083	6.09086509	6.10221143	3287	3523	3269
10464	NM_001349655,NM_006346,NR	PIBF1	progesterone immunomodulatory	1.062820067	-1.236771101	4.410069	4.652097	3.351031	3.8780834	3.96018541	3.59448638	538	764	535
100289561	NM_001242713,NM_001347879	LOC100289561	uncharacterized LOC100289561	-1.53779287	-1.236816217	3.966146	2.519587	2.957367	2.44822539	1.96260273	2.20270591	175	152	174
7539	NM_001282515,NM_001282518	ZFP37	ZFP37 zinc finger protein	-1.104002714	-1.236901273	4.700708	4.298702	3.592048	3.85287228	3.72044785	3.56953804	528	639	525
7172	NM_000367,NM_001346817,NM	TPMT	thiopurine S-methyltransferase	-2.660148581	-1.236967042	5.592454	2.105247	4.07391	4.23299104	2.94322232	3.94419958	699	351	695
51726	NM_016306	DNAJB11	DnaJ heat shock protein family (I	1.120895696	-1.236990759	197.933731	222.107788	150.360916	8.35260563	8.51678285	8.04681351	12794	19161	12721
140460	NM_024708,NM_198243	ASB7	ankyrin repeat and SOCS box co	1.230161765	-1.237013259	6.53113	8.858369	5.154678	4.78616959	5.07522832	4.49161333	1044	1716	1038
55270	NM_001304745,NM_018283,NR	NUDT15	nudix hydrolase 15	-1.248555161	-1.237131094	13.37474	10.781327	10.204537	4.76334931	4.45619745	4.46885716	1027	1099	1021
221908	NM_001346938,NM_145030	PPP1R35	protein phosphatase 1 regulatory	-1.793717862	-1.237216662	28.533004	17.077248	23.298028	4.74702075	3.94597954	4.45257508	1015	756	1009
4696	NM_004542	NDUFA3	NADH:ubiquinone oxidoreductas	-1.454487129	-1.237243734	149.777588	103.085037	113.760757	5.71781173	5.18967248	5.41715223	2027	1862	2015
64837	NM_001134774,NM_001134775	KLC2	kinesin light chain 2	1.117829645	-1.237388265	22.018754	24.599872	16.665524	6.00722184	6.16556242	5.70522315	2486	3713	2471
54807	NM_001077426,NM_001204814	ZNF586	zinc finger protein 586	-1.163629124	-1.237607157	7.543879	6.545667	5.84906	4.11494833	3.90984055	3.8269886	641	736	637
6154	NM_000987,NM_001315530,NM	RPL26	ribosomal protein L26	-1.226369697	-1.237623728	942.063379	774.639174	721.351903	9.10410051	8.81029827	8.79714879	21566	23496	21432
84057	NM_001253861,NM_032117,NR	MND1	meiotic nuclear divisions 1	-1.425485029	-1.237983793	21.173207	14.93285	16.139448	4.35652399	3.87464915	4.06514778	765	717	760
19	NM_005502	ABCA1	ATP binding cassette subfamily A	1.033086786	-1.237993062	8.407588	8.696988	6.382165	6.4427853	6.48921695	6.13871244	3376	4660	3354
10229	NM_001190983,NM_016138	COQ7	coenzyme Q7, hydroxylase	1.116476345	-1.238053288	8.950766	10.007566	6.79694	4.59718428	4.74992223	4.30319063	911	1359	905
1839	NM_001945	HBEGF	heparin binding EGF like growth	1.27783234	-1.238121677	97.267204	124.435776	73.827538	7.8094831	8.16178651	7.502662	8768	14970	8710
7580	NM_001005368,NM_001324164	ZNF32	zinc finger protein 32	-1.674852571	-1.238162398	13.441671	8.015895	10.176133	4.02074421	3.33532144	4.73349845	598	477	594
641	NM_000057,NM_001287246,NM	BLM	Bloom syndrome RecQ like helic	-1.210335605	-1.238240792	9.175125	7.876626	7.171213	5.41517498	5.14684251	5.11489271	1636	1806	1625
606500	NR_002450	SNORD68	small nucleolar RNA, C/D box 68	1.534148604	-1.238609449	50.369087	77.414528	38.123928	2.18284609	2.68551066	1.94780992	139	285	138
387509	NM_207370	GPR153	G protein-coupled receptor 153	-3.078678025	-1.238698562	4.500024	1.459841	3.41421	4.24078667	2.76857683	3.95001076	703	305	698
84294	NM_032334	UTP23	UTP23, small subunit processom	-1.03201628	-1.238836903	9.835418	9.539142	7.457229	5.18403815	5.13983896	4.88447218	1388	1797	1378
11325	NM_007372,NM_203499	DDX42	DEAD-box helicase 42	-1.068322059	-1.238854784	105.161373	98.740364	80.150743	8.67153443	8.57642885	8.3633698	15969	19972	15854
26121	NM_015629	PRPF31	pre-mRNA processing factor 31	-1.165868283	-1.239096644	61.540657	52.851181	46.678509	7.0424212	6.82282565	6.73573944	5136	5886	5098
65993	NM_001300900,NM_023936	MRPS34	mitochondrial ribosomal protein S	-1.028341957	-1.23961369	99.705196	97.219919	75.635723	6.6261994	6.58629205	6.31979406	3839	4988	3809
53615	NM_001281453,NM_001281454	MBD3	methyl-CpG binding domain prot	1.07177939	-1.2396708	50.7823	54.200169	38.392498	6.91788493	7.01709581	6.61077645	4708	6742	4671
10614	NM_006460	HEXIM1	hexamethylene bisacetamide ind	-1.427249149	-1.239790811	90.078232	63.182205	68.274635	8.7165176	8.20474095	8.40724069	16476	15424	16345
10432	NM_001198836,NM_001198837	RBM14	RNA binding motif protein 14	1.194308769	-1.23999678	15.598776	18.555333	11.830902	6.36689947	6.62023634	6.06074026	3201	5108	3175
23557	NM_012437,NR_052019,NR_05	SNAPIN	SNAP associated protein	1.128233532	-1.240012818	18.343022	20.742608	13.935989	4.30168014	4.46742999	4.00872756	735	1108	729
55644	NM_017807	OSGEP	O-sialoglycoprotein endopeptidas	-1.051723123	-1.24019641	25.2416	24.024014	19.117407	5.35539329	5.28445497	5.05324052	1568	1992	1555
4928	NM_005387,NM_016320,NM_13	NUP98	nucleoporin 98	-1.273501838	-1.240741553	38.53866	31.951434	30.04781	7.99635758	7.64909673	7.68651057	9986	10477	9899
117246	NM_017647	FTSJ3	FtsJ homolog 3	1.118788284	-1.240798192	37.753826	42.29137	28.597048	7.04269994	7.20347788	6.73405644	5137	7679	5092
8676	NM_001014433,NM_001134772	STX16	syntaxin 16	1.266819517	-1.241121793	57.833497	73.10952	43.55133	8.1035679	8.4436256	7.79331269	10759	18211	10662
83967	NM_001190481,NM_001330490	CLSPN	claspin	1.731783113	-1.241193873	3.12956	5.472968	2.050339	4.54776468	5.31379245	4.25079537	879	2034	871
54552	NM_001184819,NM_019067	GNL3L	G protein nucleolar 3 like	1.295824608	-1.241245808	2.64177	3.442523	2.001972	4.54146649	4.90116298	4.24450423	875	1515	867
286826	NM_001270409,NM_001270410	LIN9	lin-9 DREAM MuvB core complex	-1.056059762	-1.241499186	6.756384	6.372997	5.104153	4.51116872	4.43600998	4.21424082	856	1083	848
7727	NM_001032292,NM_001347868	ZNF174	zinc finger protein 174	-1.042048143	-1.24163005	5.400628	5.641262	4.103635	3.85287228	3.79763131	3.56449618	528	677	523
9453	NM_001037277,NR_036605	GGPS1	geranylgeranyl diphosphate syntl	-1.457424821	-1.2418398	11.8462	8.143673	8.922562	5.03621379	4.5127108	4.73429846	1249	1145	1237
8233	NM_005089	ZRSR2	zinc finger CCCH-type, RNA binc	-1.277049514	-1.241950199	23.212002	18.199295	17.560181	5.13573004	4.79420929	4.83298924	1341	1403	1328
170506	NM_001114397,NM_020865	DHX36	DEAH-box helicase 36	1.284144139	-1.242000436	28.336126	36.422979	21.465602	6.65200687	7.00964491	6.34279879	3909	6707	3871
79896	NM_024838	THNSL1	threonine synthase like 1	1.291070195	-1.242164102	2.094784	2.706915	1.584331	3.11973375	3.45049336	2.84640965	302	521	299
79980	NM_001145315,NM_001145316	DSN1	DSN1 homolog, MIS12 kinetocho	-1.286279863	-1.242274183	32.073452	25.354312	25.143299	6.23456305	5.87681816	5.92620061	2917	3030	2888
89910	NM_001270449,NM_001270450	UBE3B	ubiquitin protein ligase E3B	-1.180422287	-1.242526678	12.0404	10.107161	10.450134	5.87634508	5.64145426	5.56899537	2267	2566	2244
100216479	NR_046258,NR_046259,NR_04	FAR2P2	fatty acyl-CoA reductase 2 pseud	-1.864823048	-1.242663745	0.864442	0.460598	0.656132	1.77389308	1.19932051	1.5590879	95	68	94
79957	NM_001272104,NM_001272105	PAQR6	progestin and adipoQ receptor fa	-1.048543799	-1.242753605	9.869374	9.432829	7.642138	4.37080362	4.30578837	4.07404468	773	985	765
7696	NR_023311	ZNF137P	zinc finger protein 137, pseudoge	-4.314536979	-1.242800408	0.986413	0.224426	0.741044	1.76310734	0.63490936	1.5489128	94	29	93
4007	NM_001307979,NM_006150	PRICKLE3	prickle planar cell polarity protein	-1.10448089	-1.242800672	5.340619	4.918415	4.068356	3.97240126	3.83857782	3.68088855	577	698	571
7076	NM_003254	TIMP1	TIMP metallopeptidase inhibitor 1	1.173564102	-1.242852958	162.040771	190.378296	122.512367	7.18510404	7.41453773	6.87384716	5674	8897	5615
79726	NM_001324171,NM_001324172	WDR59	WD repeat domain 59	-1.125071694	-1.24301057	28.630469	25.151624	22.468389	6.5754705	6.40733916	6.26529287	3705	4400	3666
143458	NM_001304263,NM_001304264	LDLRAD3	low density lipoprotein receptor c	-1.344606538	-1.243029745	12.728087	9.47262	9.621605	5.62331734	5.20715869	5.31653173	1896	1884	1876
6402	NM_000655,NR_029467	SELL	selectin L	1.82836239	-1.243088709	7.275287	13.138478	5.381337	4.1526264	4.98605418	3.85822657	659	1610	652
9026	NM_001303097,NM_001303099	HIP1R	huntingtin interacting protein 1 re	-1.348763909	-1.243210795	24.121286	17.750366	18.666695	6.62545522	6.19889074	6.31492362	3837	3801	3796
10197	NM_001267045,NM_001330229	PSME3	proteasome activator subunit 3	1.204180718	-1.243289269	31.068957	37.518921	23.512242	6.71806999	6.98380281	6.40722858	4094	6587	4050
8775	NM_003827,NR_038456,NR_03	NAPA	NSF attachment protein alpha	1.116157512	-1.243291961	24.163075	26.598813	18.974468	5.44669174	5.60179513	5.14052934	1673	2495	1655
84769	NM_032683	MPV17L2	MPV17 mitochondrial inner mem	-1.093535498	-1.243312101	16.050625	14.702286	12.137262	4.47527325	4.35231081	4.17673594	834	1019	825
84437	NM_001318747,NM_001318748	MSANTD4	Myb/SANT DNA binding domain	1.109889229	-1.243356248	4.792707	5.323307	3.829201	4.12551355	4.26774474	3.83119295	646	958	639
2648	NM_021078	KAT2A	lysine acetyltransferase 2A	1.03389676	-1.243370638	52.09803	53.929024	39.377766	7.31170225	7.35949744	6.99964789	6198	8562	6131
100131434	NR_027455	LINC00893	long intergenic non-protein codin	1.665081198	-1.243414772	2.019073	3.382333	1.529148	2.49460548	3.1244438	2.24113096	182	405	180
554249	NR_126049,NR_126049_dup1	LOC554249	uncharacterized LOC554249	1.78184757	-1.243530237	1.619868	2.90523	1.23258	1.70793493	2.33383942	1.4969322	89	212	88
339044	NR_036447	PKD1P1	polycystin 1, transient receptor p	1.092110957	-1.24365908	15.42912	16.867979	11.658923	6.57854967	6.70439888	6.2676215	3713	5418	3672
54516	NM_001114184,NM_001301047	MTRF1L	mitochondrial translational releas	1.023278566	-1.243927629	3.818767	3.8994	2.981755	3.86048198	3.8914258	3.56953804	531	726	525
5872	NM_001272038,NM_002870,NR	RAB13	RAB13, member RAS oncogene	-1.105635101	-1.24392916	61.886324	56.105477	46.867855	6.24137912	6.09851128	5.9311056	2931	3542	2898
51281	NM_001282771,NM_001282780	ANKMY1	ankyrin repeat and MYND domai	1.43382685	-1.243995136	4.137004	6.305016	3.269262	3.60967076	4.09343276	3.32316088	440	843	435
9014	NM_001318976,NM_001318977	TAF1B	TATA-box binding protein associ	1.113925319	-1.244339057	5.877084	6.557232	4.447858	3.82202563	3.96723624	3.53128747	516	768	510
150737	NM_152517	TTC30B	tetratricopeptide repeat domain 3	1.433847876	-1.244639156	1.651988	2.371256	1.244744	2.39332696	2.8278811	2.1430785	167	320	165
54107	NM_001278255,NM_017443,NR	POLE3	DNA polymerase epsilon 3, acce	1.201323643	-1.244644048	33.181208	39.919765	25.507596	6.29524644	6.55679785	5.98398764	3044	4886	3008
51650	NM_016071,NM_053035	MRPS33	mitochondrial ribosomal protein S	-1.559681707	-1.244724552	61.655695	40.116432	46.560788	5.45341658	4.83042646	5.14560245	1681	1440	1661
22889	NM_014949	KIAA0907	KIAA0907	-1.050504524	-1.244755838	46.238586	44.06813	34.910576	7.08445434	7.01390728	6.7711836	5289	6727	5226
221527	NM_181842	ZBTB12	zinc finger and BTB domain cont	1.265362505	-1.244819419	2.311135	2.931112	1.737944	2.37926962	2.65962865	2.1294865	165	279	163
5932	NM_002894,NM_203291,NM_20	RBBP8	RB binding protein 8, endonucles	-1.023998185	-1.244881577	16.683341	16.269325	12.562416	5.75435052	5.72077686	5.44485344	2080	2714	2055
27097	NM_001025247,NM_014409	TAF5L	TATA-box binding protein associ	-1.129165849	-1.245024942	17.346285	15.49416	12.577117	5.90176757	5.72961516	5.59147659	2308	2731	2280

90639	NM_001031617	COX19	COX19, cytochrome c oxidase as	-1.594372278	-1.245087065	13.173714	8.271717	9.941147	5.99402161	5.33438844	5.68329628	2463	2064	2433
23059	NM_001330454,NM_015041,NM	CLUAP1	clusterin associated protein 1	1.036783504	-1.245171996	5.135874	5.334527	3.880678	4.44353723	4.49330406	4.14331116	815	1129	805
57704	NM_001330660,NM_020944	GBA2	glucosylceramidase beta 2	1.093634822	-1.245193401	14.530038	15.983443	11.056093	5.72547173	5.85227276	5.41575311	2038	2978	2013
10514	NM_001105538,NM_014520	MYBBP1A	MYB binding protein 1a	1.567586314	-1.245321858	13.101088	20.499015	9.805943	5.87446719	6.51410493	5.56395161	2264	4742	2236
4931	NM_001243146,NM_001243147	NVL	nuclear VCP-like	1.100791699	-1.245364018	12.361194	13.786109	9.56982	5.16572779	5.30059458	4.85896034	1370	2015	1353
26231	NM_001004055,NM_012163	LRRC29	leucine rich repeat containing 29	1.127459368	-1.246097469	1.332761	1.500188	0.995577	1.54118428	1.65726059	1.34055586	75	113	74
10602	NM_001270436,NM_001270437	CDC42EP3	CDC42 effector protein 3	-1.103877202	-1.246242691	33.384246	30.306712	25.199156	7.5381447	7.39636887	7.22246425	7258	8785	7163
1859	NM_001347721,NM_001347722	DYRK1A	dual specificity tyrosine phosphor	-3.25934612	-1.246294853	13.245569	4.174537	10.807553	6.25971916	4.59694851	5.94669041	2969	1217	2930
92335	NM_001003786,NM_001003787	STRADA	STE20-related kinase adaptor alp	-1.38516797	-1.246411943	24.051832	17.780852	18.55199	5.92312079	5.46216384	5.61116998	2343	2260	2312
6133	NM_000661,NM_001024921	RPL9	ribosomal protein L9	-1.08476842	-1.246497048	971.313722	895.018448	721.143638	9.47996037	9.36274406	9.1625774	27996	34483	27624
55127	NM_018072	HEATR1	HEAT repeat containing 1	1.000419906	-1.246541151	14.110788	14.134532	10.639091	6.87751435	6.87811488	6.56259705	4577	6118	4516
84240	NM_001131035,NM_001131036	ZCHC9	zinc finger CCHC-type containing	1.054487207	-1.246986864	29.763566	32.312606	22.923794	5.45257769	5.52742062	5.14222236	1680	2367	1657
10317	NM_001278650,NM_006057,NM	B3GALT5	beta-1,3-galactosyltransferase 5	1.169129855	-1.247018211	2.1354	2.405437	1.605037	2.70647097	2.89966118	2.44142817	217	339	214
54458	NM_001005354,NM_018457	PRR13	proline rich 13	-1.398903959	-1.247143416	124.109062	88.737068	94.37507	7.17928443	6.69885	6.86310799	5651	5397	5573
4694	NM_004541	NDUFA1	NADH:ubiquinone oxidoreductas	-1.285705053	-1.247203377	205.923981	160.331009	155.172684	6.62135534	6.26296482	6.30626619	3826	3976	3773
51074	NM_015957	APIP	APAF1 interacting protein	-1.343547241	-1.247222144	29.513456	21.982048	22.234322	5.23664058	4.82364393	4.92732408	1441	1433	1421
201255	NM_144999	LRRC45	leucine rich repeat containing 45	-1.209638266	-1.247273372	22.965353	19.011595	17.307755	5.94057713	5.67090409	5.6275797	2372	2620	2339
285973	NM_001317056,NR_073169,NR	ATG9B	autophagy related 9B	-2.375289712	-1.24749007	15.125335	6.414766	11.537013	5.8344561	4.62061907	5.52165373	2201	1238	2170
84957	NM_032871,NM_152222	RELT	RELT, TNF receptor	1.253061703	-1.24757671	9.660239	12.113412	7.267442	5.06064312	5.37736782	4.7521471	1271	2128	1253
84260	NM_001143852,NM_032300	TCHP	trichoplein keratin filament bindin	-1.499714986	-1.247626441	11.303205	7.537981	8.509478	5.13259093	4.56825335	4.82352399	1338	1192	1319
9094	NM_001330166,NM_005148,NM	UNC119	unc-119 lipid binding chaperone	1.184883041	-1.247796457	17.518162	21.335645	13.539235	4.78883075	5.0254311	4.48228657	1046	1656	1031
55578	NM_001014286,NM_001278480	SUPT20H	SPT20 homolog, SAGA complex	1.112427329	-1.247839469	12.223621	13.549424	9.188838	5.18807576	5.3377927	4.87839036	1392	2069	1372
203547	NM_001017980	VMA21	VMA21, vacuolar ATPase assem	1.098903729	-1.247906181	19.934999	21.929808	15.010252	6.53799843	6.67266925	6.22232169	3609	5299	3557
643180	NR_033416	CCT6P3	chaperonin containing TCP1 sub	-1.650266293	-1.247950749	5.625833	3.408018	4.231336	3.7336304	3.07960182	3.44063736	483	391	476
92249	NR_015353	LINC01278	long intergenic non-protein codin	1.089671373	-1.248055688	10.596414	11.553877	7.978341	4.94372095	5.06376177	4.63558737	1169	1702	1152
56848	NM_001204158,NM_001204159	SPHK2	sphingosine kinase 2	1.122017835	-1.248266163	5.794585	6.175873	4.349696	4.04987877	4.20649667	3.75135692	611	916	602
54879	NM_001308264,NM_017744,NM	ST7L	suppression of tumorigenicity 7 li	1.129991148	-1.248298727	2.813313	2.936433	2.21174	3.50351028	3.66515371	3.21470347	406	613	400
1992	NM_030666,NR_073111,NR_07	SERPINB1	serpin family B member 1	-1.591926943	-1.248521422	40.871468	25.702208	30.666854	6.7419553	6.07911589	6.42507101	4163	3494	4101
100873952	NR_046744	SZT2-AS1	SZT2 antisense RNA 1	-2.706373978	-1.24861738	2.437487	0.887679	1.831673	1.40904982	0.68708806	1.21747621	65	32	64
92105	NM_033547	INTS4	integrator complex subunit 4	-1.372369236	-1.248897837	12.565691	9.167481	9.454578	5.30516019	4.86197862	4.99353253	1513	1473	1490
517	NM_001002031,NM_001330269	ATP5G2	ATP synthase, H+ transporting, r	-1.491280508	-1.248993256	194.414431	128.726803	145.730614	7.44758027	6.87507219	7.12886511	6814	6105	6710
55251	NM_001104925,NM_018257	PCMTD2	protein-L-isoaspartate (D-asparta	1.149927732	-1.249196785	12.591242	14.502832	9.468542	5.61058821	5.80828705	5.29690588	1879	2887	1850
221264	NM_001145128,NM_001329602	AK9	adenylate kinase 9	1.366909663	-1.249339207	0.79006	1.368045	0.81629	2.0823043	2.43901707	1.84344662	127	232	125
55055	NM_001287821,NM_001287822	ZWILCH	zwilch kinetochore protein	-1.08175992	-1.249351378	17.905201	16.555975	13.305114	5.82476383	5.71345739	5.50989942	2186	2700	2152
55749	NM_001282959,NM_001282960	CCAR1	cell division cycle and apoptosis	-1.230041494	-1.249470593	37.121163	30.204484	28.023443	7.42637395	7.12958981	7.10714186	6714	7293	6609
55128	NM_001304496,NM_018073	TRIM68	tripartite motif containing 68	-1.26224296	-1.249493098	5.469069	4.61737	4.168439	4.23689412	3.92077761	3.93446197	701	742	690
79006	NM_024042	METRN	meteorin, glial cell differentiation	-1.277963619	-1.249535664	4.572576	3.587099	3.440324	3.96064828	3.63226192	3.66213029	572	598	563
11144	NM_001278208,NM_007068,NR	DMC1	DNA meiotic recombinase 1	2.061991912	-1.249661907	4.824141	10.205562	3.552615	3.17367098	4.13315895	2.89139688	315	868	310
83440	NM_031284,NR_023318,NR_02	ADPGK	ADP dependent glucokinase	-1.162634089	-1.249795448	51.250916	43.587871	36.320447	6.92092074	6.70545339	6.6021913	4718	5422	4643
64975	NM_032477	MRPL41	mitochondrial ribosomal protein L	-1.249154492	-1.249796205	122.551979	98.233818	92.133636	6.1914686	5.87541338	5.87468438	2830	3027	2785
6640	NM_003098	SNTA1	syntrophin alpha 1	1.900588164	-1.249801384	2.081589	3.972078	1.566568	2.52684435	3.3298614	2.26619062	187	475	184
83638	NM_001135635,NM_031450	C11orf68	chromosome 11 open reading fra	1.732824133	-1.250251818	32.022521	55.553396	24.079324	5.63075293	6.41154531	5.31578181	1906	4413	1875
8884	NM_021095,NR_028323	SLC5A6	solute carrier family 5 member 6	1.061623734	-1.25025894	19.753799	20.982635	14.82982	5.59171354	6.07667303	5.67513321	2459	3488	2419
285908	NR_026873	LINC00174	long intergenic non-protein codin	-1.195907646	-1.250289404	3.982471	3.336013	2.994068	4.18329013	3.94061606	3.88071204	674	753	663
8943	NM_001261826,NM_003938	AP3D1	adaptor related protein complex 3	1.021490109	-1.25029076	48.896504	50.034042	36.771038	7.90885211	7.93940139	7.58889592	9396	12824	9243
10257	NM_001105515,NM_001301829	ABCC4	ATP binding cassette subfamily C	-1.046582745	-1.250362292	2.268485	2.179739	1.877853	3.74737673	3.68667221	3.45160249	488	623	480
9673	NM_001286184,NM_014655,NR	SLC25A44	solute carrier family 25 member 4	1.196230227	-1.250752351	8.593101	10.345019	6.565798	4.98026891	5.2312675	4.66885564	1200	1918	1180
5510	NM_001282409,NM_001282410	PPP1R7	protein phosphatase 1 regulatory	1.121363444	-1.250821083	27.812923	32.613803	23.700542	5.91766008	6.08033577	5.60074135	2334	3497	2295
9302	NR_002564	SNORD26	small nucleolar RNA, C/D box 26	1.374985277	-1.251024484	40.704525	56.139549	30.44813	1.9928118	2.35011326	1.75769337	117	215	115
10174	NM_001018003,NM_005775	SORBS3	sorbin and SH3 domain containin	-1.241286752	-1.251070229	21.584056	17.375715	15.593568	5.48165254	5.17756454	5.16655045	1715	1846	1686
4799	NM_001318758,NM_002504,NM	NFX1	nuclear transcription factor, X-bo	-1.0933014	-1.251234444	10.664295	9.302028	7.913057	5.47092159	5.34525392	5.15569545	1702	2080	1673
201965	NM_001307922,NM_152682	RWDD4	RWD domain containing 4	-1.234698402	-1.251313928	11.599809	9.404752	8.70884	4.94372095	4.65049289	4.63197698	1169	1265	1149
5719	NM_002817,NM_175932	PSMD13	proteasome 26S subunit, non-AT	-1.092742239	-1.251407204	72.855802	66.74367	54.693031	6.97333119	6.84643957	6.65265525	4894	5984	4810
9217	NM_001195677,NM_004738,NR	VAPB	VAMP associated protein B and	1.10802233	-1.251461093	9.266923	10.210227	6.942512	6.17070465	6.3167432	5.85210402	2789	4129	2741
51117	NM_001305942,NM_016035	COQ4	coenzyme Q4	1.217173973	-1.251559114	30.35084	36.770946	20.338974	5.40046018	5.67790497	5.08527627	1619	2633	1591
83640	NM_031452	FAM103A1	family with sequence similarity 10	-1.228216237	-1.251661613	18.176392	14.822356	13.648445	4.84999531	4.56477126	4.53864966	1093	1189	1074
10781	NM_001271314,NM_006631	ZNF266	zinc finger protein 266	-1.454248251	-1.251915381	22.107778	15.260417	16.620134	6.3610997	5.82875491	6.04136457	3188	2929	3132
56950	NM_020197	SMYD2	SET and MYND domain containi	1.205047485	-1.251998784	32.56282	39.294292	24.442799	5.76655235	6.03113821	5.44896312	2098	3378	2061
203062	NM_001291931,NM_145003	TSNARE1	t-SNARE domain containing 1	-1.095866728	-1.252449686	5.990717	5.671658	4.659583	4.16701728	4.04260277	3.86234099	666	812	654
3148	NM_001130688,NM_001130689	HMGB2	high mobility group box 2	-1.125970129	-1.252539397	255.305412	221.836959	186.66991	8.52879669	8.35811877	8.20492402	14461	17160	14200
84105	NM_032151	PTPD2	pterin-4 alpha-carbinolamine deh	-1.382138448	-1.252676027	10.886119	7.887261	8.166175	4.71239751	4.26361627	4.40118309	990	957	972
55295	NM_001345981,NM_001345982	KLHL26	kelch like family member 26	-1.013963031	-1.25282856	4.412968	4.197563	3.308255	3.7555621	3.73704369	3.45705395	491	647	482
109729173	NR_145448	TFAP2A-AS2	TFAP2A antisense RNA 2	1.43949587	-1.25291723	0.399799	0.581093	0.299975	1.23264156	1.55800914	1.05442063	53	102	52
6000	NM_001282773,NM_001282775	RGS7	regulator of G protein signaling 7	1.383124074	-1.25291723	0.523174	0.739759	0.393999	1.23264156	1.52015496	1.05442063	53	98	52
10410	NM_021034,NR_049759	IFITM3	interferon induced transmembran	-1.999226585	-1.253170706	238.716909	119.51054	178.995558	7.28720872	6.29694166	6.96395561	6093	4072	5980
51501	NM_001322404,NM_001322407	HIKESHI	Hikeshi, heat shock protein nucle	-1.226798289	-1.25324374	33.794415	27.457389	26.163649	5.29677111	5.01015048	4.9803424	1504	1638	1476
9831	NM_001082480,NM_001261843	ZNF623	zinc finger protein 623	-1.170787155	-1.253509728	9.148279	7.797831	6.838101	5.17694504	4.95624277	4.86101798	1381	1576	1355
670	NM_001302777,NM_004332,NR	BPHL	biphenyl hydrolase like	1.152177597	-1.253753506	5.076587	5.684742	3.78423	3.37126564	3.55714683	3.07986458	367	565	360
441204	NR_015364	LOC441204	uncharacterized LOC441204	-1.701050014	-1.253833979	0.809231	0.470522	0.605617	1.2010231	0.81765451	1.02535867	51	40	50
79465	NM_024518	ULBP3	UL16 binding protein 3	-1.208807985	-1.253848656	3.47386	2.87573	2.603549	3.54187697	3.29385837	3.24653213	418	462	410
83666	NM_001146102,NM_001146103	PARP9	poly(ADP-ribose) polymerase fan	1.180753546	-1.253918503	16.160054	18.97996	11.605044	5.89622527	6.13223032	5.57590188	2299	3627	2255
79971	NM_001002292,NM_001193334	WLS	wntless Wnt ligand secretion me	1.259919114	-1.25393019	28.245803	35.172306	20.684278	6.23846189	6.56785648	5.91683495	2925	4924	2869
146956	NM_001166131,NM_152463	EME1	essential meiotic structure-specif	-1.221306856	-1.253998045	28.166455	23.086383	21.101883	6.01519803	5.73168691	5.69430137	2500	2735	2452
3006	NM_005319	HIST1H1C	histone cluster 1 H1 family memb	-1.081023604	-1.254089027	83.440285	77.27729	62.505371	5.91826784	5.80779617	5.5976597	2335	2886	2290
80167	NM_001319305,NM_001319306	ABHD18	abhydrolase domain containing 1	-1.02496613	-1.254313035	2.873335	2.794654	2.16082	4.06092955	4.02750389	3.75578721	616	803	604
93183	NM_145167	PIGM	phosphatidylinositol glycan anch	1.373689956	-1.254394005	3.711358	5.110444	2.781762	4.05651939	4.49085976	3.75135692	614	1127	602
90576	NM_001080821,NM_001322497	ZNF799	zinc finger protein 799	-1.280367076	-1.254401674	4.482708	3.630447	3.370113	3.66865353	3.34347295	3.37014999	460	480	451
92126	NM_032160	DSEL	dermatan sulfate epimerase-like	-1.039570564	-1.254498901	0.859036	0.825861	0.643537	3.13236099	3.08285145	2.84640965	305	392	299
4998	NM_001190818,NM_001190819	ORC1	origin recognition complex subun	1.227062512	-1.254518981	5.886097	7.225874	4.404089	4.26009342	4.54134004	3.95194263	713	1169	699
80317	NM_001242894,NM_001242895	ZKSCAN3	zinc finger with KRAB and SCAN	1.118807488	-1.255113456	1.203009	1.223328	0.817206	2.59533164	2.73178769	2.32699908	198	296	194
648691	NR_027426	LL22NC03-63E9.3	uncharacterized LOC648691	-1.132048147	-1.255135907	14.235572	12.592674	10.661767	5.46261236	5.28797897	5.14306812	1692	1997	1658
2237	NM_004111	FEN1	flap structure-specific endonuclea	1.264272189	-1.255354191	42.780384	54.155586	32.027519	6.59346727	6.92865665	6.26917183	3752	6338	3676
26791	NR_002571	SNORD58A	small nucleolar RNA, C/D box 58	-1.187168719	-1.255354965	19.083982	16.021675	14.331265	1.15225689	1.02107213	0.98063768	48	54	47
203427	NM_145305	SLC25A43	solute carrier family 25 member 4	1.041552176	-1.25540029	9.110689	9.498788	6.817405	4.5587208	4.61501835	4.24607959	886	1233	868
23122	NM_001207044,NM_015097	CLASP2	cytoplasmic linker associated pro	-2.506685411	-1.255444561	4.529066	1.794649	3.566965	5.01364054	3.7534508	4.69677317	1229	655	1204
55892	NM_001185118,NM_001185119	MYNN	myoneurin	1.02401409	-1.255989957	6.204985	6.331423	4.646185	5.03956952	5.07277886	4.72189817	1252	1713	1226
10969	NM_001159936,NM_006824	EBNA1BP2	EBNA1 binding protein 2	1.119854208	-1.256077824	83.252439	93.375245	62.135974	6.82727062	6.98922488	6.5015852	4419	6612	4327
29100	NM_001318217,NM_014187,NR	TMEM208	transmembrane protein 208	-1.148657321	-1.25608624	65.657838	57.498724	49.443003	5.71011084	5.51424225	5.38819549	2016	2345	1974
100288778	NR_130745	LOC100288778	WAS protein family homolog 1 ps	-1.021941599	-1.256302269	33.221161	32.542831	24.840738	5.94595195	5.9151512	5.62273699	2381	3113	2331
1017	NM_001290230,NM_001798,NM	CDK2	cyclin dependent kinase 2	-1.260814532	-1.256516797	48.756338	38.665877	36.403391	6.77252734	6.44159951	6.44646875	4253	4507	4163
57510	NM_020750,NR_144392	XPO5	exportin 5	1.067704205	-1.256853819	12.283438	13.136568	9.173336	6.02651663	6.11962841	5.702357	2520	3595	2466
132321	NM_001099783,NM_173487	C4orf33	chromosome 4 open reading fran	-1.403472901	-1.256903607	12.873021	8.451799	9.70731	4.4024252	3.94061606	4.08992214	791	753	774
11056	NM_001291476,NM_007010	DDX52	DExD-box helicase 52	1.09963088	-1.25694116	12.325	13.463383	9.245921	6.28585772	6.42120527	5.96067018	3024	4443	2959
51105	NM_001277196,NM_016018,NM	PHF20L1	PHD finger protein 20-like 1	-1.11956978	-1.257078752	14.321064	12.296653	10.738441	6.27877585	6.1180454	5.95345618	3009	3591	2944
23623	NM_001105203,NM_001105204	RUSC1	RUN and SH3 domain containing	-1.273006367	-1.257187389	29.813697	26.529527	25.444381	6.22869497	5.88568352	5.90342039	2905	3049	2842
84941	NM_001291274,NM_032855,NR	HSH2D	hematopoietic SH2 domain conta	-1.741646949	-1.257284436	27.271289	15.716379	22.165305	6.15428841	5.36874065	5.82916462	2757	2115	2697
1676	NM_004401,NM_213566	DFFA	DNA fragmentation factor subuni	1.150053669	-1.257286607	10.126858	12.904338	8.130251	4.74016226	4.93482226	4.42363166	1010	1552	988
5511	NM_002713,NM_014110,NM_13	PPP1R8	protein phosphatase 1 regulatory	1.088418718	-1.257517687	18.036193	19.652191	13.185773	5.41861558	5.53811409	5.09667211	1640	2385	1604
23761	NM_001326411,NM_001326412	PISD	phosphatidylserine decarboxylas	1.060194565	-1.257616072	13.28079	14.370365	10.608208	5.29115116	5.37339246	4.96989347	1498	2122	1465

57695	NM_020935	USP37	ubiquitin specific peptidase 37	1.324353057	-1.25770176	4.125672	5.470284	3.082093	5.05623208	5.45089007	4.73654166	1267	2242	1239
7982	NM_018412,NM_021908	ST7	suppression of tumorigenicity 7	-1.262331755	-1.257877548	8.304574	5.937072	6.31449	4.27155466	3.95487459	3.95964434	719	761	703
8536	NM_003656	CAMK1	calcium/calmodulin dependent pr	-1.869262968	-1.25804471	2.317329	1.246141	1.737493	2.13345087	1.49109792	1.88448459	133	95	130
284371	NM_001136499,NM_001321349	ZNF841	zinc finger protein 841	-1.628062973	-1.258279278	6.281021	3.862482	4.718201	4.62723337	3.96018541	4.3107378	931	764	910
8562	NM_003677	DENR	density regulated re-initiation and	-1.230021049	-1.258311312	36.206585	29.468418	27.04347	6.59954297	6.30426862	6.27188091	3768	4093	3683
100505616	NR_110096,NR_110097,NR_11	SNHG21	small nucleolar RNA host gene 2	1.174759298	-1.259006881	6.043756	7.166456	4.512353	2.4278825	2.61991364	2.16322937	172	270	168
203111	NM_001170806,NM_173549	ERICH5	glutamate rich 5	-4.17017741	-1.259006881	3.052394	0.934849	2.145023	2.4278825	1.03456085	2.16322937	172	55	168
1783	NM_001286157,NM_001323955	DYNC1LI2	dynein cytoplasmic 1 light interm	-1.152458431	-1.259308983	77.775479	67.675857	58.222013	8.37436234	8.17030848	8.04285373	12989	15059	12686
55720	NM_018128	TSR1	TSR1, ribosome maturation factc	1.064764063	-1.259320056	17.221426	18.35882	12.849604	6.37223248	6.46170946	6.04408383	3213	4571	3138
4801	NM_006166	NFYB	nuclear transcription factor Y sub	-1.435554654	-1.259590403	16.259687	11.341066	12.134384	5.81108433	5.30059458	5.48476573	2165	2015	2114
54539	NM_001135998,NM_019056	NDUFB11	NADH:ubiquinone oxidoreductas	-1.175779882	-1.259660972	67.328106	57.266083	50.17962	6.19548549	5.96531426	5.86753799	2838	3225	2771
6605	NM_003079	SMARCE1	SWI/SNF related, matrix associa	-1.070392036	-1.259765168	63.418842	59.313164	47.301048	7.23352317	7.13605671	6.90284938	5869	7326	5730
100288846	NR_038935	LOC100288846	uncharacterized LOC100288846	1.42274748	-1.259788125	0.776496	1.123752	0.579294	1.03161781	1.31437719	0.87055986	41	78	40
347716	NR_146076	USP32P3	ubiquitin specific peptidase 32 ps	1.138695273	-1.259905098	1.221218	1.395185	0.912221	2.66071453	2.8201133	2.38534784	209	318	204
2297	NM_004472	FOXD1	forkhead box D1	1.065907449	-1.259954789	13.53804	14.444328	10.092484	4.94967876	5.03887932	4.62835753	1174	1672	1146
6284	NM_001024210,NM_001024211	S100A13	S100 calcium binding protein A1	-1.13889218	-1.259964349	149.408444	129.761273	108.74044	6.6179922	6.43239407	6.28841171	3817	4478	3726
84060	NM_032120	RBM48	RNA binding motif protein 48	-1.475280063	-1.260120803	3.484126	2.36239	2.597036	4.08061013	3.55948145	3.76899703	625	566	610
25921	NM_015457	ZDHHC5	zinc finger DHHC-type containing	1.12036509	-1.260247184	31.952389	35.839184	23.825054	7.15860031	7.32148697	6.82751159	5570	8338	5436
7247	NM_001261401,NM_004622,NR	TSN	translin	1.200337137	-1.260249291	33.558899	40.349732	25.020223	6.8093619	7.07065894	6.47898701	4364	6999	4259
3692	NM_001267810,NM_002212,NM	EIF6	eukaryotic translation initiation fa	1.086847795	-1.260310206	159.3206	173.091089	115.292134	7.41887748	7.53835538	7.08728531	6679	9699	6518
51333	NM_001142305,NM_016643	ZNF771	zinc finger protein 771	-1.157187145	-1.260384473	2.212767	1.917841	1.653223	2.04717061	1.89025622	1.80120704	123	142	120
92715	NM_001346370,NM_001346371	DPH7	diphthamide biosynthesis 7	-1.190636597	-1.260652859	29.567145	25.258402	22.462121	6.38460006	6.13614594	6.05490989	3241	3637	3162
7064	NM_003249	THOP1	thimet oligopeptidase 1	1.22904596	-1.260814049	31.1922	38.387238	23.250973	6.32213325	6.61631708	5.99245947	3102	5094	3026
150709	NM_144708	ANKAR	ankyrin and armadillo repeat con	1.088553606	-1.260899958	0.712364	0.777201	0.530835	2.02927762	2.12272838	1.78395874	121	176	118
10519	NM_001277764,NM_006384,NR	CIB1	calcium and integrin binding 1	-1.338559263	-1.261034069	144.935444	108.660537	107.996738	7.13343379	6.71621795	6.80149862	5473	5463	5338
23592	NM_001167614,NM_014319	LEMD3	LEM domain containing 3	-1.25962957	-1.26113266	6.820731	5.419887	5.085528	5.03956952	4.71788299	4.71622624	1252	1328	1221
55040	NM_017957	EPN3	epsin 3	-1.325521061	-1.261240592	15.017501	11.343282	11.189867	5.86881881	5.47025157	5.54039208	2255	2273	2199
29945	NM_001286756,NM_013367	ANAPC4	anaphase promoting complex sul	-1.037643341	-1.261496738	23.857344	22.994086	17.761138	5.97895271	5.92650049	5.64976818	2437	3138	2376
64963	NM_001321970,NM_001321972	MRPS11	mitochondrial ribosomal protein S	1.01069846	-1.261568746	7.857968	8.085011	6.675406	4.66393542	4.67868717	4.34348418	956	1291	932
90353	NM_145232	CTU1	cytosolic thiouridylase subunit 1	-1.52116078	-1.261588498	2.943415	1.941123	2.196852	2.82010209	2.31737991	2.53718654	238	209	232
677809	NR_002963	SNORA24	small nucleolar RNA, H/ACA box	1.151230127	-1.26182697	15.430625	17.915682	11.559888	1.57857476	1.71704117	1.36396013	78	120	76
29070	NM_001142302,NM_014157	CCDC113	coiled-coil domain containing 113	1.105894648	-1.26185447	0.785318	0.863205	0.580088	2.32162912	2.43901707	2.05953665	157	232	153
93974	NM_016311,NM_178190,NM_17	ATPIF1	ATPase inhibitory factor 1	-1.139825083	-1.261915718	193.35345	169.774089	139.759282	7.0513143	6.86401782	6.71853673	5168	6058	5037
10308	NM_001265588,NM_003414,NR	ZNF267	zinc finger protein 267	-1.283004677	-1.262123169	9.055923	7.076561	6.752427	4.90376998	4.55778177	4.58045927	1136	1183	1107
10694	NM_001282907,NM_001282908	CCT8	chaperonin containing TCP1 sub	-1.184689301	-1.262201105	227.849588	192.575686	169.666503	8.80207145	8.55815789	8.46697445	17485	19720	17038
2140	NM_001282560,NM_001282561	EYA3	EYA transcriptional coactivator a	1.207856756	-1.262327108	6.204753	7.02679	4.601894	4.94252643	5.20690152	4.61866105	1168	1885	1138
29092	NR_023918,NR_023919,NR_10	LINC00339	long intergenic non-protein codin	-2.084374579	-1.262481676	8.278072	3.99144	6.146249	3.30216484	2.39263351	3.00368412	348	223	339
3735	NM_001130089,NM_005548	KARS	lysyl-tRNA synthetase	1.064738685	-1.262633702	161.268426	171.073898	119.565382	8.32032022	8.41054591	7.98506557	12510	17797	12186
60491	NM_001136039,NM_001142355	NIF3L1	NGG1 interacting factor 3 like 1	1.153079986	-1.262837071	33.448839	36.659339	25.701745	5.63962535	5.8412815	5.3105214	1918	2955	1868
220323	NM_178507	OAF	out at first homolog	-1.226265681	-1.262959089	35.434967	28.934645	26.374853	6.02820678	5.73891471	5.69718355	2523	2749	2457
7187	NM_001199427,NM_003300,NM	TRAF3	TNF receptor associated factor 3	1.026298893	-1.262962867	8.15192	8.322557	6.03172	5.96195729	5.99881667	5.63120109	2408	3302	2345
85417	NM_033031,NM_033670	CCNB3	cyclin B3	-1.826605003	-1.26309245	0.211581	0.115383	0.157235	0.95786335	0.59904473	0.80366934	37	27	36
8365	NM_003543	HIST1H4H	histone cluster 1 H4 family memb	2.645104378	-1.26309245	2.586763	6.83104	1.906542	0.95786335	1.80624674	0.80366934	37	131	36
284346	NM_174945	ZNF575	zinc finger protein 575	-1.971902389	-1.26309245	0.553394	0.286091	0.419605	0.95786335	0.56226574	0.80366934	37	25	36
81602	NM_001193478,NM_030911,NR	CDADC1	cytidine and dCMP deaminase d	-1.268787402	-1.263160235	1.446216	1.145767	1.08827	2.2611178	2.66519062	2.66519062	199	199	194
5151	NM_001243137,NM_002605,NM	PDE8A	phosphodiesterase 8A	-1.096488272	-1.263176162	33.492332	30.917525	24.91683	7.00828974	6.8764173	6.67417175	5015	6111	4883
79075	NM_024094	DSCC1	DNA replication and sister chrom	-1.008556087	-1.26337838	13.479788	13.382139	10.02684	4.94491448	4.93302278	4.61987668	1170	1550	1139
22852	NM_001256053,NM_014915	ANKRD26	ankyrin repeat domain 26	1.000126234	-1.263537589	4.34886	4.350853	3.233135	4.89267947	4.89285546	4.56791716	1127	1506	1097
401093	NR_027037,NR_027038	MBNL1-AS1	MBNL1 antisense RNA 1	1.647641996	-1.263595343	0.290389	0.478866	0.214405	1.5285023	2.03820547	1.31676564	74	163	72
653489	NM_001144013	RGPD3	RANBP2-like and GRIP domain c	-1.446413812	-1.263626945	2.33181	1.614388	1.735724	3.84266317	3.35427048	3.53128747	524	484	510
729262	NM_001278495	NUTM2B	NUT family member 2B	-1.002085556	-1.26403608	0.284212	0.284194	0.209917	0.93882015	0.93737891	0.78645063	36	48	35
6999	NM_005651	TDO2	tryptophan 2,3-dioxygenase	1.474668035	-1.26403608	0.539157	0.810398	0.400357	0.93882015	1.23481109	0.78645063	36	71	35
7277	NM_001278552,NM_006000	TUBA4A	tubulin alpha 4a	7.971058111	-1.264385857	18.19301	147.525299	13.73756	5.26176079	8.22335728	4.93320349	1467	15625	1427
119032	NM_001136200,NM_144591	BORCS7	BLOC-1 related complex subunit	-1.80597272	-1.264517142	6.679725	3.634714	4.95792	3.98869623	3.20717639	3.67388275	584	432	568
5382	NR_022007,NR_046297,NR_04	PMS2P4	PMS1 homolog 2, mismatch repa	-1.628997839	-1.264555168	3.116834	1.940128	2.172772	1.50279892	1.08728891	1.29257653	72	59	70
56935	NM_020179	SMCO4	single-pass membrane protein wi	-1.571332083	-1.264630034	8.765057	5.578922	6.51113	3.22173053	2.65526948	2.92325564	327	278	318
8315	NM_006768	BRAP	BRCA1 associated protein	-1.128288457	-1.264853327	8.442364	7.492125	6.271916	5.09545415	4.92670685	4.76758554	1303	1543	1267
10652	NM_006555	YKT6	YKT6 v-SNARE homolog	-1.251828521	-1.264902068	31.466274	25.158274	23.374949	6.42193649	6.10211907	6.08734847	3327	3551	3235
171023	NM_001164603,NM_015338	ASXL1	additional sex combs like 1, trans	-1.15063871	-1.265958438	41.701215	35.69924	29.684871	8.07899354	7.87735991	7.74017771	10577	12282	10276
5018	NM_006244	PPP2R5B	protein phosphatase 2 regulatory	-1.213785246	-1.26605307	6.318596	5.212584	4.689524	4.16497021	3.90250283	3.84581243	665	732	646
388165	NR_003661	UBE2Q2P1	ubiquitin conjugating enzyme E2	-1.218644407	-1.266104727	1.260729	1.038394	0.935903	1.8674926	1.66595383	1.62837236	104	114	101
5018	NM_005015	OXA1L	OXA1L, mitochondrial inner mem	1.090799487	-1.266240431	99.774986	108.95446	74.041328	7.39221938	7.5168922	7.05394618	6556	9555	6368
10620	NM_001307939,NM_006465	ARID3B	AT-rich interaction domain 3B	-1.097795595	-1.266265957	8.743193	7.968731	6.487127	5.22391452	5.09306506	4.89354711	1428	1738	1387
84289	NM_001330161,NM_001330162	ING5	inhibitor of growth family membe	1.060175649	-1.266358891	18.616989	19.542046	14.497749	6.26927897	6.35252315	5.93355185	2989	4234	2903
692158	NR_004390	SNORA57	small nucleolar RNA, H/ACA box	-1.146663601	-1.266465923	18.048134	15.727926	13.371112	1.8573935	1.71704117	1.61867597	103	120	100
58478	NM_001292017,NM_021204,NR	ENOPH1	enolase-phosphatase 1	-1.144398492	-1.266529845	51.373875	45.769998	37.805327	6.77353533	6.58084354	6.43615463	4256	4969	4133
54555	NM_019070,NR_033677	DDX49	DEAD-box helicase 49	1.263967809	-1.266540421	24.688466	31.19722	18.303742	5.49312037	5.82439332	5.1607156	1729	2920	1679
101060321	NM_001291462,NM_001291462	TBC1D3G	TBC1 domain family member 3G	1.629487557	-1.266704649	8.706431	14.2121	6.459833	4.21133328	4.88543063	3.890818	688	1498	668
23428	NM_001267036,NM_001267037	SLC7A8	solute carrier family 7 member 8	1.664935899	-1.266834406	0.628662	1.04973	0.466073	1.84721644	2.41343275	1.60891398	102	227	99
84124	NM_001345967,NM_001345968	ZNF394	zinc finger protein 394	-1.573487706	-1.266858946	12.34153	7.883133	9.419809	4.71799337	4.09504299	4.39125092	994	844	965
60625	NM_001190809,NM_021931,NR	DHX35	DEAH-box helicase 35	-1.069331016	-1.267153869	11.481555	10.771248	8.553175	5.2579245	5.16382053	4.92634185	1463	1828	1420
972	NM_001025158,NM_001025159	CD74	CD74 molecule	-1.164681785	-1.267561426	296.335862	254.635447	218.447546	8.76825399	8.54886146	8.42708083	17079	19593	16572
8642	NM_003737	DCHS1	dachsous cadherin-related 1	1.324381837	-1.267594133	0.241905	0.321739	0.179436	1.82664439	2.12902957	1.58918956	100	177	97
6141	NM_000979,NM_001270490,NR	RPL18	ribosomal protein L18	-1.374890382	-1.267781875	962.933567	701.258892	713.57481	9.70047504	9.24180657	9.35863141	32626	31706	31652
100499466	NR_027418	LINC00674	long intergenic non-protein codin	-1.240570152	-1.268005957	7.859493	6.342061	5.823932	6.43728328	6.13026851	6.0991639	3363	3622	3262
79664	NM_001018089,NM_001276385	ICE2	interactor of little elongation com	-1.208071908	-1.268154206	8.718667	7.295467	6.828197	5.8267075	5.55926614	5.49075814	2189	2421	2123
51334	NM_001300783,NM_001308087	PRR16	proline rich 16	2.124599558	-1.268416697	0.471733	0.996593	0.356696	0.86002952	1.45142181	0.71544405	32	91	31
54870	NM_001320580,NM_001320581	ORICH1	glutamine rich 1	1.049960073	-1.269184482	20.294946	21.691192	15.076593	6.16610643	6.23548722	5.82758721	2780	3900	2694
9401	NM_004260	RECQL4	RecQ like helicase 4	1.064455821	-1.269406243	26.00852	27.715342	19.252901	6.60936173	6.69858524	6.26917183	3794	5396	3676
1857	NM_004423	DVL3	dishevelled segment polarity prot	-1.008311713	-1.26941748	39.371502	39.092991	29.147406	7.60780648	7.59592608	7.26562542	7619	10096	7382
51550	NM_001320046,NM_032630	CINP	cyclin dependent kinase 2 interac	-1.091844167	-1.269419789	45.708445	41.837117	33.992587	5.47174989	5.34795755	5.13628808	1703	2084	1650
204	NM_001199199,NM_001319139	AK2	adenylate kinase 2	1.227840913	-1.269518712	65.534298	85.049434	52.751742	7.82819903	8.12314742	7.48562244	8883	14573	8606
3607	NM_004514	FOXK2	forkhead box K2	-1.201795582	-1.269532298	33.624348	28.009302	24.88854	7.43701607	7.17349905	7.09495482	6764	7520	6553
441024	NM_001004346,NM_001144978	MTHFD2L	methylenetetrahydrofolate dehyd	1.126286842	-1.269615671	6.124102	6.820382	4.365525	3.80897562	3.96899357	3.49199507	511	769	495
10469	NM_006351	TIMM44	translocase of inner mitochondria	1.100913649	-1.269667541	28.82416	31.76709	21.330593	5.83638676	5.97277811	5.49870949	2204	3242	2135
6601	NM_001130420,NM_001330288	SMARCC2	SWI/SNF related, matrix associa	-1.44284001	-1.269705094	31.403688	21.942505	23.226088	7.28814946	6.76330885	6.94613627	6097	5646	5906
84230	NM_032270	LRRC8C	leucine rich repeat containing 8 fa	1.979083723	-1.269852684	1.264707	2.508197	0.937293	3.30588543	4.21688696	2.99995417	349	923	338
83442	NM_031286	SH3BGRL3	SH3 domain binding glutamate ri	-1.246946887	-1.270191689	182.074371	146.177628	134.711655	7.63431206	7.31769921	7.29122085	7761	8316	7515
3955	NM_001040167,NM_001040168	LFNG	LFNG O-fucosylpeptide 3-beta-N	1.182232199	-1.270228018	20.065668	23.459661	14.721985	5.54677441	5.78353578	5.20997909	1796	2837	1739
285267	NM_001145082,NM_001145083	ZNF619	zinc finger protein 619	1.304753569	-1.270414691	0.970965	1.315031	0.720828	2.3142594	2.62883416	2.04513029	156	272	151
51611	NM_001077394,NM_001077395	DPH5	diphthamide biosynthesis 5	1.139442845	-1.270437078	12.34047	14.076444	9.133404	4.49496323	4.67546196	4.16678956	846	1288	819
79659	NM_001080463,NM_001377	DYNC2H1	dynein cytoplasmic 2 heavy chair	-1.163551154	-1.270451796	0.656173	0.563921	0.485585	3.28718579	3.09255667	2.98115841	344	395	333
638	NM_001197	BIK	BCL2 interacting killer	-1.405754978	-1.270532651	17.145769	12.213514	12.686183	4.08061013	3.62386263	3.75799726	625	594	605
9391	NM_004804	CIAO1	cytosolic iron-sulfur assembly co	-1.046522089	-1.270546941	38.317726	36.657566	28.341549	7.243985	7.17882373	6.90110059	5912	7548	5723
79693	NM_024640	YRDC	yrdC N6-threonylcarbamoyltransf	-1.030825021	-1.270709801	15.962333	15.507432	11.81105	4.88523815	4.8429386	4.55272125	1121	1453	1085
93953	NM_052957	GCNA	germ cell nuclear acidic peptidas	3.744267895	-1.270755353	1.779407	6.694198	1.317428	2.70647097	4.43981671	2.41925694	217	1086	210
91351	NM_001012967,NM_001291510	DDX60L	DEAD-box helicase 60 like	-1.60035869	-1.270897885	27.949938	17.440645	20.433941	7.50737248	6.83371679	7.16366465	7104	5931	6875
64794	NM_001322340,NM_001322341	DDX31	DEAD-box helicase 31	1.164691666	-1.271000274	13.984948	15.166225	9.394398	5.66229636	5.87822158	5.32400962	1949	3033	1886
8148	NM_003487,NM_139215	TAF15	TATA-box binding protein associa	1.00696342	-1.271096371	254.518347	256.552065	188.162171	9.08670124	9.09669422	8.74134492	21307	28667	20617

100526740	NM_001198879	ATP5J2-PTCD1	ATP5J2-PTCD1 readthrough	1.285795137	-1.271321415	1.591214	2.046404	1.175379	3.26059229	3.58949269	2.95442604	337	579	326
4695	NM_001185012,NM_002488,NR	NDUFA2	NADH:ubiquinone oxidoreductas	-1.414657736	-1.27177168	86.68441	60.840835	63.798978	5.97545281	5.48445048	5.63481342	2431	2296	2351
23779	NM_001017526,NM_001198726	ARHGAP8	Rho GTPase activating protein 8	-1.183226531	-1.272040032	29.312257	24.78213	21.658168	5.58248919	5.34525392	5.2434892	1842	2080	1781
28991	NM_001081003,NM_001081004	COMMD5	COMM domain containing 5	-1.084833435	-1.272232149	13.825304	12.395563	10.359004	4.27535493	4.16417063	3.9480763	721	888	697
3419	NM_005530	IDH3A	isocitrate dehydrogenase 3 (NAD	-1.205481688	-1.272255421	23.003145	19.10569	16.991007	5.92372626	5.65897848	5.58277547	2344	2598	2266
84132	NM_032172	USP42	ubiquitin specific peptidase 42	-1.515867562	-1.27226079	4.907263	3.239992	3.62465	4.67116511	4.09986292	4.33906229	961	847	929
79671	NM_001282143,NM_001282144	NLRX1	NLR family member X1	-2.235889402	-1.272352093	6.049734	2.707104	4.833434	4.66827758	3.57571888	4.33610682	959	573	927
91775	NM_001134456,NM_001348990	NXPE3	neurexophilin and PC-esterase d	1.605218217	-1.272374912	0.516967	0.872455	0.387081	2.47491059	3.05664709	2.19620105	179	384	173
442524	NR_036482	DPY19L2P3	DPY19L2 pseudogene 3	-9.387080305	-1.2725195	0.449119	0.035066	0.327243	0.79797761	0.10601836	0.65979727	29	4	28
55116	NM_001319677,NM_001319678	TMEM39B	transmembrane protein 39B	1.269715029	-1.272816764	15.508045	19.231181	11.586794	4.77815653	5.11147973	4.44436461	1038	1761	1003
60492	NM_001286116,NM_001286117	CCDC90B	coiled-coil domain containing 90E	1.284042541	-1.272956143	9.396993	11.929157	6.824213	5.24441656	5.59668916	4.90655538	1449	2486	1400
94097	NM_001330400,NM_001330401	SFXN5	sideroflexin 5	1.420743035	-1.272968819	2.857804	4.360607	2.249628	3.78518394	4.26058819	3.46519272	502	953	485
388789	NM_001348957,NM_001348958	SMIM26	small integral membrane protein	1.046806065	-1.273175687	78.199732	81.976125	57.71925	5.42547226	5.48996876	5.08615607	1648	2305	1592
1474	NM_001323	CST6	cystatin E/M	1.049217829	-1.273215786	232.45845	244.186096	171.558365	7.1173959	7.18620766	6.7717056	5412	7587	5228
64328	NM_022459	XPO4	exportin 4	1.111632039	-1.273261757	4.585145	5.103798	3.384112	5.49638022	5.64585531	5.15653336	1733	2574	1674
51157	NM_001163423,NM_016202,NM	ZNF580	zinc finger protein 580	1.187473319	-1.273289356	13.34019	18.517952	11.75742	4.24272901	4.47857574	3.91478732	704	1117	680
590	NM_000055,NR_137635,NR_13	BCHE	butyrylcholinesterase	-1.036364112	-1.273447179	2.631276	2.518256	2.003925	2.63136183	2.58825016	2.34475282	204	263	197
553103	NR_110997	MIR3936HG	MIR3936 host gene	-1.584217597	-1.273447179	2.953435	1.861265	2.185962	2.63136183	2.09724475	2.34475282	204	172	197
6144	NM_000982	RPL21	ribosomal protein L21	-1.068617564	-1.274088679	1.277522	1.203172	0.925046	0.77668602	0.73744528	0.64076093	28	35	27
6675	NM_001324113,NM_001324114	UAP1	UDP-N-acetylglucosamine pyrop	-2.143694509	-1.274189335	47.864011	22.372672	35.439766	6.84111877	5.75530068	6.49497534	4462	2781	4307
25842	NM_014034	ASF1A	anti-silencing function 1A histone	-1.315692107	-1.27428079	8.079065	6.145413	5.953995	4.37435155	4.00026496	4.04356865	775	787	748
23228	NM_001144382,NM_015184	PLCL2	phospholipase C like 2	1.73908803	-1.274316346	0.713856	1.248002	0.528728	1.96484452	2.597368	1.71282633	114	265	110
55422	NM_001079906,NM_001079907	ZNF331	zinc finger protein 331	-1.30783707	-1.27435645	11.019782	8.187925	8.302893	5.72408203	5.34525392	5.38176058	2036	2080	1965
83607	NM_001199140,NM_031445	AMMECR1L	AMMECR1 like	1.066093229	-1.274405686	14.107919	15.062134	10.403553	6.02708023	6.1180454	5.68329628	2521	3591	2433
64900	NM_001301860,NR_126051	LPIN3	lipin 3	1.27021023	-1.274517858	13.291469	16.75178	9.690335	5.85237594	6.19213594	5.50924359	2229	3783	2151
84300	NM_032340	UQCC2	ubiquinol-cytochrome c reductase	-1.116333754	-1.274519828	31.277136	28.048302	23.059025	5.38383466	5.22906934	5.04330822	1600	1915	1544
9342	NM_004782	SNAP29	synaptosome associated protein	1.298206864	-1.274552384	15.424243	20.049505	11.374079	6.02256521	6.3939927	5.67863733	2513	4359	2425
2053	NM_001256482,NM_001256483	EPHX2	epoxide hydrolase 2	1.562553104	-1.274701959	1.946381	3.051122	1.437802	2.41415945	2.95745524	2.1362985	170	355	164
8260	NM_001256119,NM_001256120	NAA10	N(alpha)-acetyltransferase 10, N	1.075540701	-1.274850517	46.766176	50.386937	34.483857	5.68889706	5.79199894	5.34621347	1996	2854	1916
79705	NM_024652	LRRK1	leucine rich repeat kinase 1	1.048533844	-1.275093962	2.047389	2.149539	1.508636	4.44859483	4.51391509	4.11600233	818	1146	789
85464	NM_001282129,NM_001282130	SSH2	slingshot protein phosphatase 2	1.048576955	-1.275128142	5.235167	5.857758	4.893629	5.34005262	5.40683891	4.99914873	1551	2173	1496
6883	NM_001135218,NM_005644	TAF12	TATA-box binding protein associ	-1.11173844	-1.27526056	28.344354	24.843696	20.252229	4.99070847	4.8429386	4.6523174	1209	1453	1166
3712	NM_001159508,NM_002225	IVD	isovaleryl-CoA dehydrogenase	1.063813143	-1.275274503	22.076113	23.515762	16.264183	6.66220197	6.75059434	6.31529885	3937	5596	3797
134147	NM_138809	CMBL	carboxymethylenebutenolidase h	-1.099948343	-1.275503225	3.4304	3.120673	2.52656	3.86048198	3.7329126	3.53644652	531	645	512
150383	NM_207327	CDPF1	cysteine rich DPF motif domain c	-1.521239218	-1.275516564	4.890005	3.20723	3.590724	3.01906833	2.50348775	2.71606984	279	245	269
27315	NM_001145438,NM_001256235	PGAP2	post-GPI attachment to proteins 2	-1.359230317	-1.275540384	40.672466	30.82753	30.145742	6.2163926	5.78053688	5.87060506	2880	2831	2777
374655	NM_198526	ZNF710	zinc finger protein 710	-1.232103041	-1.275606744	5.003412	4.067852	3.689032	4.52559963	4.23890304	4.19152809	865	938	834
9895	NM_001172631,NM_014844	TECPR2	tectonin beta-propeller repeat co	1.291301916	-1.275962321	2.957676	3.783127	2.196999	4.60173173	4.95712842	4.26640425	914	1577	881
55871	NM_001145355,NM_001145356	CBWD1	COBW domain containing 1	-1.034387355	-1.27618028	18.568037	18.045659	13.737392	5.02722683	4.97996669	4.68752723	1241	1603	1196
8833	NM_003875	GMPS	guanine monophosphate synthas	1.228421841	-1.276384552	72.578194	89.255295	53.430389	7.44758027	7.7428529	7.09779314	6814	11184	6566
51121	NM_001317980,NM_001317981	RPL26L1	ribosomal protein L26 like 1	-1.09276584	-1.276392376	84.214609	77.313688	62.44519	5.93458154	5.80877777	5.58899591	2362	2888	2276
79921	NM_001006935,NM_001006937	TCEAL4	transcription elongation factor A l	1.076373141	-1.276454313	55.752577	60.071518	40.962329	6.17528826	6.28005326	5.82863901	2798	4024	2696
23636	NM_001193357,NM_012346,NM	NUP62	nucleoporin 62	-1.055005668	-1.276465142	36.613237	34.982239	27.358297	6.94557632	6.86896747	6.59664518	4800	6079	4625
1843	NM_004417	DUSP1	dual specificity phosphatase 1	1.355790301	-1.276619749	23.31382	31.64077	17.154549	5.55304953	5.98411923	5.20917167	1804	3268	1738
55149	NM_018109	MTPAP	mitochondrial poly(A) polymerase	-1.0772452	-1.276939584	12.008114	11.158941	8.837559	6.05994918	5.9542739	5.71321819	2580	3200	2485
8661	NM_003754	EIF3F	eukaryotic translation initiation fa	-1.369280493	-1.277021827	190.748566	139.466919	140.366516	7.87324831	7.42226453	7.52216379	9166	8944	8828
55909	NM_018688	BIN3	bridging integrator 3	1.034425295	-1.277103672	9.183564	9.519468	6.759689	4.13181574	4.17791132	3.80150191	649	897	625
26031	NM_015550,NM_145320,NM_14	OSBPL3	oxysterol binding protein like 3	-2.231691037	-1.277181295	21.9251	9.8358	16.15684	7.17877726	6.03281945	6.82856345	5649	3382	5440
7388	NM_001297565,NM_001297566	UQCRH	ubiquinol-cytochrome c reductase	-1.11052337	-1.277569977	298.687469	269.557655	218.573938	7.52403901	7.37366293	7.17280449	7187	8647	6919
64943	NM_001134231,NM_022908	NT5DC2	5'-nucleotidase domain containin	1.345844782	-1.27759922	18.141922	24.4457	13.107383	5.04736934	5.4646572	4.70596024	1259	2264	1212
101929574	NR_120661	LOC101929574	uncharacterized LOC101929574	1.724175742	-1.277601574	1.126618	1.947245	0.809154	0.73313634	1.10017522	0.60191771	26	60	25
158801	NR_027131	NKAPP1	NFKB activating protein pseudog	1.117755232	-1.27798102	0.84375	0.953456	0.625359	1.59082596	1.70021226	1.36396013	79	118	76
11065	NM_001281741,NM_001281742	UBE2C	ubiquitin conjugating enzyme E2	-1.060433357	-1.277996046	379.402228	357.36425	276.706449	8.28163869	8.19726412	7.92903988	12178	15344	11720
3192	NM_004501,NM_031844	HNRNPU	heterogeneous nuclear ribonucle	1.274187208	-1.2781976	125.263113	159.76381	91.997925	9.69822081	10.04742533	9.3445916	32575	55458	31345
54503	NM_001001483,NM_019028	ZDHHC13	zinc finger DHHC-type containing	-1.660158418	-1.278247954	45.335365	27.415008	33.500738	6.75664278	6.03407909	6.40617212	4206	3385	4047
6202	NM_001012	RPS8	ribosomal protein S8	-1.18888387	-1.278290774	1389.994263	1170.440308	1021.819824	9.89950309	9.6501798	9.54570615	37458	42097	36041
101928794	NR_111908	MAST4-AS1	MAST4 antisense RNA 1	-1.613735062	-1.278365033	1.829891	1.128406	1.343241	1.21691895	0.86372326	1.02535867	52	43	50
94039	NM_001300949,NM_033204	ZNF101	zinc finger protein 101	-2.071229266	-1.278385717	4.125878	1.994079	3.044083	4.3072593	3.332594	3.97302418	738	476	710
65110	NM_023011,NM_080687	UPF3A	UPF3 regulator of nonsense tran	1.052946054	-1.278449284	12.280219	12.959569	8.980854	4.86646518	4.9384145	4.52573709	1106	1556	1064
54996	NM_001317338,NM_001331042	MARC2	mitochondrial amidoxime reducin	-1.093842259	-1.278511387	12.406305	11.364935	9.11984	4.79678491	4.67222953	4.45666286	1052	1285	1012
55000	NR_002323,NR_110492,NR_11	TUG1	taurine up-regulated 1 (non-prote	-1.210738565	-1.27888164	130.497755	107.836327	95.94896	9.90687138	9.63129981	9.55240649	37650	41549	36209
4783	NM_001289999,NM_001290000	NFIL3	nuclear factor, interleukin 3 regul	1.856022846	-1.278914436	8.176398	15.202872	6.004975	4.13890052	4.99211609	3.80578108	652	1617	627
163486	NM_001195215,NM_001195216	DENND1B	DENN domain containing 1B	-1.173920313	-1.279049283	4.262465	3.345912	3.247038	4.84999531	4.62731136	4.5087761	1093	1244	1051
9735	NM_014708	KNTC1	kinetochore associated 1	-1.61527254	-1.279101201	35.273247	21.858795	25.913664	7.90808739	7.21999048	7.55462757	9391	7768	9030
51248	NM_016484	PDZD11	PDZ domain containing 11	-1.103800478	-1.279466988	58.554127	53.096226	42.998352	6.17070465	6.03029685	5.82073175	2789	3376	2681
27346	NM_014573	TMEM97	transmembrane protein 97	1.011449117	-1.279494924	11.818709	11.97441	8.685641	4.93413697	4.9500279	4.59165471	1161	1569	1116
1041	NM_001264	CDSN	corneodesmosin	1.792848809	-1.279576324	0.243178	0.449537	0.185683	0.71085839	1.10017522	0.58209675	25	60	24
53938	NM_032472,NM_130906	PPIL3	peptidylprolyl isomerase like 3	1.860537047	-1.279705705	22.387492	41.751943	16.425109	4.7291204	5.59952804	4.38840055	1002	2491	963
102724238	NR_126048,NR_126048_dup1	LOC102724238	uncharacterized LOC102724238	-9.009284831	-1.279743125	1.865095	0.200223	1.368073	1.84721644	0.36283659	1.59908548	102	15	98
6919	NM_003195,NM_198723	TCEA2	transcription elongation factor A2	-1.262342474	-1.279768095	40.622054	32.310599	29.925648	5.66374685	5.33506994	5.31578181	1951	2065	1875
166793	NM_001330625,NM_145291,NR	ZBTB49	zinc finger and BTB domain cont	-1.09109134	-1.279963622	3.39644	3.118066	2.49565	3.42699388	3.31335619	3.10785943	383	469	368
150590	NM_001317992,NM_144706	C2orf15	chromosome 2 open reading fran	1.072498513	-1.28002598	2.054118	2.304025	1.584843	2.0823043	2.16012918	1.81825156	127	182	122
124222	NM_001284511,NM_001284512	PAQR4	progestin and adipoQ receptor fa	-1.001888628	-1.28025811	23.106516	23.20245	17.047296	5.996326	5.99364642	5.64619315	2467	3290	2370
64773	NM_001271168,NM_022760	PCED1A	PC-esterase domain containing 1	1.35627077	-1.280316168	40.529057	55.021292	29.648662	6.33265804	6.76760639	5.98115261	3125	5663	3002
439994	NR_029408,NR_135292	LINC00863	long intergenic non-protein codin	-1.244519446	-1.280352289	3.567229	2.95188	2.719999	2.46162969	2.20853486	2.1765086	177	190	170
28985	NM_001137554,NM_014060	MCTS1	MCTS1, re-initiation and release	1.016164348	-1.280361544	7.676348	7.779207	5.572558	6.19799038	6.22081235	5.84692246	2843	3860	2731
2304	NM_004473	FOXE1	forkhead box E1	1.359335864	-1.28046942	2.670529	3.638985	1.95868	3.32434579	3.72876963	3.0074044	354	643	340
9277	NM_001164267,NM_005452	WDR46	WD repeat domain 46	1.220751035	-1.280523383	16.806047	20.535776	12.357719	5.30979981	5.59099458	4.96320452	1518	2476	1458
2901	NM_001301030,NM_002088	GRIK5	glutamate ionotropic receptor kai	1.079788316	-1.280716507	1.484486	1.608046	1.092311	2.61345921	2.70672986	2.32103228	201	290	193
8544	NM_001018109,NM_003662	PIR	pirin	-1.587226193	-1.280947576	14.565319	9.12463	10.664631	4.50632616	3.87652288	4.16678956	853	718	819
4927	NM_001320653,NM_002532	NUP88	nucleoporin 88	-1.216348341	-1.281047484	13.321734	10.959706	9.765887	5.61058821	5.33438844	5.26151541	1879	2064	1804
6208	NM_001025070,NM_001025071	RPS14	ribosomal protein S14	-1.085056071	-1.281060406	1374.679573	1259.455971	1028.693151	9.64280508	9.52518855	9.28597226	31346	38599	30095
643836	NM_001172638,NM_152283	ZFP62	ZFP62 zinc finger protein	-1.038228531	-1.281167063	17.177327	16.594545	12.625083	6.07092339	6.01761729	5.71946908	2600	3346	2496
653784	NM_001085365	MZT2A	mitotic spindle organizing protein	1.033408295	-1.281276089	113.015884	116.918022	82.877579	6.27165906	6.31846728	5.9193055	2994	4134	2874
10573	NM_006428	MRPL28	mitochondrial ribosomal protein L	1.199719576	-1.281506975	87.795242	105.45105	64.374832	6.62135534	6.88161773	6.2676215	3826	6133	3672
5052	NM_001202431,NM_002574,NM	PRDX1	peroxiredoxin 1	-1.230421421	-1.281569624	549.504467	447.078983	402.021556	9.09425101	8.79570492	8.73708006	21419	23259	20556
5387	NR_028059	PMS2P3	PMS1 homolog 2, mismatch repa	-1.538458717	-1.281756172	6.876553	4.468568	5.040586	3.46742135	2.91432819	3.1454863	395	343	379
22909	NM_001146094,NM_001146095	FAN1	FANCD2 and FANCI associated	-1.093142484	-1.281822992	13.425315	11.93329	9.652199	5.87946948	5.75326258	5.52814276	2272	2777	2180
2960	NM_005513	GTF2E1	general transcription factor IIE su	1.227060841	-1.282075077	8.898616	10.932373	6.519988	4.77009871	5.055515 21	4.42641333	1032	1692	990
221545	NM_001109938,NM_001161376	C6orf136	chromosome 6 open reading fran	-1.516858337	-1.28225829	14.852777	9.579058	11.515258	4.58957318	4.01904684	4.24765323	906	798	869
64319	NM_001105079	FBRS	fibrosin	1.02896671	-1.282318084	36.629025	37.730545	26.842245	7.20466712	7.24558883	6.84866361	5752	7908	5517
283989	NM_207346	TSEN54	tRNA splicing endonuclease subu	-1.30271489	-1.282753997	29.440296	22.628036	21.566496	5.82411536	5.45026116	5.47203276	2185	2241	2095
9937	NM_001271816,NM_014881	DCLRE1A	DNA cross-link repair 1A	-1.387722242	-1.282808693	5.670418	4.291489	4.264367	4.71799337	4.26631627	4.37406362	994	957	953
267002	NM_001017434,NM_170725	PGBD2	piggyBac transposable element d	1.383482561	-1.283124315	3.251598	4.687544	2.496816	3.26059229	3.68667221	2.94281592	337	623	323
7767	NM_001321645,NM_013398	ZNF224	zinc finger protein 224	-1.692589375	-1.283395152	17.028075	10.04535	12.516131	6.07964304	5.33506994	5.725693	2616	2065	2507
84275	NM_032315	SLC25A33	solute carrier family 25 member 3	1.18220194	-1.283449951	6.850622	8.114195	5.011797	3.42699388	3.64770479	3.10438964	383	605	367
27043	NM_001278241,NM_014389	PELP1	proline, glutamate and leucine ric	-1.036624378	-1.283459647	18.436113	17.806557	13.497686	6.06489791	6.01379159	5.71093841	2589	3337	2481
7335	NM_001032288,NM_001257393	UBE2V1	ubiquitin conjugating enzyme E2	-1.127489714	-1.28364893	84.67083	75.315878	62.639508	7.4568132	7.28474264	7.09888332	6858	8127	6571
5581	NM_005400	PRKCE	protein kinase C epsilon	1.195943917	-1.283918586	3.263731	3.908757	2.388037	4.21331566	4.45870114	3.87461432	689	1101	660

7079	NM_003256	TIMP4	TIMP metallopeptidase inhibitor 4	2.045196461	-1.284061036	0.352448	0.749205	0.258415	0.66524311	1.1381576	0.54161868	23	63	22
100132169	NR_130735	WASIR2	WASH and IL9R antisense RNA	1.138278601	-1.284061036	0.562673	0.652096	0.417118	0.66524311	0.73744528	0.54161868	23	35	22
84869	NM_032783	CBR4	carbonyl reductase 4	-1.143215784	-1.284071265	10.270122	8.994332	7.516833	5.17083736	4.9834484	4.82141214	1375	1607	1317
9373	NM_001031689,NM_001321546	PLAA	phospholipase A2 activating prot	-1.182817957	-1.284092811	8.980817	7.584233	6.492377	5.4348473	5.19868721	5.08351504	1659	1874	1589
9922	NM_001134382,NM_001330619	IQSEC1	IQ motif and Sec7 domain 1	1.732304851	-1.284115687	2.676696	4.678076	2.534562	4.29981562	5.06129275	3.95964434	734	1699	703
128387	NM_001042552,NM_001042553	TATDN3	TatD DNase domain containing 3	-2.207881512	-1.284300231	5.228402	2.367027	3.824944	3.82979934	2.8044511	3.4972963	519	314	497
96610	NR_027293	BMS1P20	BMS1, ribosome biogenesis facto	-1.005644212	-1.284325037	7.353796	7.321556	5.379886	3.94641713	3.9388238	3.61169701	566	752	542
642852	NR_026943	LOC642852	uncharacterized LOC642852	1.855386558	-1.284471166	5.241161	9.7366	3.835021	5.23175921	6.10571785	4.88143447	1436	3560	1375
2098	NM_001984	ESD	esterase D	-1.073245343	-1.284714386	51.949738	48.47678	38.001339	5.93818188	5.83791964	5.58339873	2368	2948	2267
10785	NM_001260474,NM_001260475	WDR4	WD repeat domain 4	1.293501959	-1.284730702	11.277619	14.037942	7.894715	4.37080362	4.72621954	4.02900114	773	1336	740
55275	NM_001128159,NM_018289	VPS53	VPS53, GARP complex subunit	-1.139495302	-1.284846761	2.704699	2.490928	2.198106	5.12734384	4.94467948	4.77742372	1333	1563	1276
55153	NM_001288983,NM_001288984	SDAD1	SDA1 domain containing 1	1.122645619	-1.285041161	18.677881	20.883345	13.652546	5.8130465	5.97715064	5.4585071	2168	3252	2075
1340	NM_001863	COX6B1	cytochrome c oxidase subunit 6B	-1.451438075	-1.285169224	361.031128	249.032486	263.998413	7.70328922	7.16891933	7.34329795	8143	7496	7793
5610	NM_001135651,NM_001135652	EIF2AK2	eukaryotic translation initiation fa	1.164431666	-1.285526808	12.630177	14.836837	9.276903	5.69032106	5.90600704	5.33589419	1988	3093	1902
9612	NM_001077261,NM_001206654	NCOR2	nuclear receptor corepressor 2	-1.138383687	-1.285597174	29.530321	26.062255	21.68277	7.99506185	7.80885515	7.63423268	9977	11710	9545
56913	NM_020156	C1GALT1	core 1 synthase, glycoprotein-N-a	-1.343584992	-1.285662343	10.543301	7.856493	7.706311	6.02313036	5.60462399	5.66692369	2514	2500	2405
119391	NM_001191013,NM_001191014	GSTO2	glutathione S-transferase omega	-1.863605254	-1.285692338	39.626454	20.63306	35.853837	5.58402213	4.71159881	5.23001921	1844	1322	1764
50854	NM_001040437,NM_001040438	C6orf48	chromosome 6 open reading fran	-1.664851034	-1.285707573	99.475901	58.859534	71.217617	6.23943495	5.51664729	5.88230216	2927	2349	2800
10987	NM_006837	COPS5	COP9 signalosome subunit 5	-1.172179116	-1.285920716	68.58773	58.568291	50.116264	6.65017871	6.42344998	6.29146641	3904	4450	3734
51255	NM_016494	RNF181	ring finger protein 181	-1.028978611	-1.285925541	109.061333	106.110199	79.695549	6.26737207	6.22670023	5.90989482	2985	3876	2855
8089	NM_001300950,NM_006530	YEATS4	YEATS domain containing 4	-1.279934712	-1.286302602	14.098907	10.895503	10.307568	4.41453771	4.07723084	4.0704925	798	833	763
10385	NM_001197237,NM_001197238	BTN2A2	butyrophilin subfamily 2 member	-1.0697698	-1.286508562	5.454953	5.557284	4.090621	4.28669603	4.19452969	3.94419958	727	908	695
84324	NM_033082,NR_026722,NR_02	SARNP	SAP domain containing ribonucle	-1.264249787	-1.286533959	68.686442	54.693861	49.018921	6.13872666	5.80583095	5.78107545	2727	2882	2607
10617	NM_006463,NM_201647,NM_21	STAMBP	STAM binding protein	1.067770593	-1.286566408	12.738333	13.393578	9.244871	6.31615031	6.40960554	5.9577889	3089	4407	2953
26776	NR_002910	SNORA71B	small nucleolar RNA, H/ACA box	1.562173801	-1.286621639	4.064368	6.617116	2.961278	0.64188297	0.90836632	0.52094563	22	46	21
1793	NM_001290223,NM_001380	DOCK1	dedicator of cytokinesis 1	-1.118597179	-1.286659228	9.126397	8.176221	6.653279	5.94595195	5.78702662	5.58899591	2381	2844	2276
26287	NM_001129981,NM_001291218	ANKRD2	ankyrin repeat domain 2	-2.926233891	-1.28668193	1.532739	0.514369	1.118613	1.7191395	0.83317479	1.47560397	90	41	86
4638	NM_001321309,NM_053025,NM	MYLK	myosin light chain kinase	-1.414179443	-1.286768038	0.907412	1.501393	1.374483	2.98234021	2.55587612	2.66986823	271	256	259
5922	NM_001303245,NM_001303246	RASA2	RAS p21 protein activator 2	-1.697278781	-1.287044648	16.299266	9.610088	11.904774	6.5003391	5.74815471	6.14083107	3515	2767	3359
91355	NM_001135772,NM_182492	LRP5L	LDL receptor related protein 5 lik	-1.011664875	-1.287182626	3.581534	3.912321	3.072246	3.63651181	3.62112921	3.30513776	449	593	429
10946	NM_001320830,NM_006802	SF3A3	splicing factor 3a subunit 3	1.335503216	-1.28737188	34.102018	45.606813	24.926632	6.58123858	6.99484231	6.22112071	3720	6638	3554
10101	NM_001284501,NM_001284502	NUBP2	nucleotide binding protein 2	1.090340754	-1.287511652	30.129286	33.788946	22.291246	5.37234789	5.49426221	5.01771306	1587	2312	1516
23532	NM_001291715,NM_001291716	PRAME	preferentially expressed antigen i	-1.134408234	-1.287527734	17.317342	15.29935	12.521341	5.44921723	5.27169681	5.09405028	1676	1974	1601
121504	NM_175054	HIST4H4	histone cluster 4 H4	1.258102916	-1.28755956	2.787546	3.51216	2.028351	1.08456011	1.26944952	0.90287695	44	74	42
79830	NM_001289088,NM_001289089	ZMYM1	zinc finger MYM-type containing	1.020135855	-1.28759821	12.200576	12.609141	8.856314	5.65720815	5.68540659	5.30070087	1942	2647	1855
10127	NM_005741	ZNF263	zinc finger protein 263	-1.015849184	-1.287668346	17.92783	17.668781	13.086338	5.8669311	5.84463554	5.50924359	2252	2962	2151
54964	NM_017860	C1orf56	chromosome 1 open reading fran	-1.209025267	-1.287682671	3.544315	2.9346	2.586595	2.60744196	2.38212036	2.30902414	200	221	191
56948	NM_001290292,NM_001290293	SDR39U1	short chain dehydrogenase/reduc	-1.028047443	-1.287931394	45.22582	44.195586	33.072318	5.77395854	5.73478898	5.41645284	2109	2741	2014
8050	NM_001135024,NM_001166158	PDHX	pyruvate dehydrogenase comple	-1.27657095	-1.288129747	18.8719	14.939537	13.44325	5.75435052	5.40942966	5.39673096	2080	2177	1986
80758	NM_001174101,NM_001174102	PRR7	proline rich 7, synaptic	1.042374663	-1.288255405	12.462495	13.053304	8.525178	4.1588115	4.21540721	3.81642381	662	922	632
100130933	NM_001162997	SMIM6	small integral membrane protein	-11.95390826	-1.288293309	6.240316	0.511206	4.561822	2.59533164	0.50527715	2.29691521	198	22	189
256471	NM_152778	MFSD8	major facilitator superfamily dom	-1.024711574	-1.288324088	7.230729	7.065257	5.273271	5.04514512	5.01100366	4.69215761	1257	1639	1200
9987	NM_001207000,NM_031372,NR	HNRNPDL	heterogeneous nuclear ribonucle	1.069595336	-1.288357999	131.975359	141.279842	95.427491	9.06078745	9.15767722	8.69603049	20927	29907	19978
2778	NM_000516,NM_001077488,NM	GNAS	GNAS complex locus	-1.105764314	-1.288780739	627.180079	603.841443	467.907809	10.2204978	10.07558141	9.85483911	46802	56552	44665
9960	NM_001256702,NM_006537,NR	USP3	ubiquitin specific peptidase 3	-1.063256896	-1.288791638	8.227536	7.753535	5.996454	5.5285799	5.44208026	5.17153303	1773	2228	1692
100130733	NM_181506	LRRC70	leucine rich repeat containing 70	-1.700935881	-1.28880598	0.750878	0.439144	0.550857	1.40904982	0.99883233	1.19154816	65	51	62
51114	NM_001008222,NM_016032	ZDHHC9	zinc finger DHHC-type containing	1.041374107	-1.289093275	9.599188	10.004912	6.991288	5.46843384	5.52563064	5.11143982	1699	2364	1621
91057	NM_030771,NM_080654	CCDC34	coiled-coil domain containing 34	1.029227852	-1.289417927	11.955174	12.147614	8.584916	4.22121804	4.26058819	3.87664976	693	953	661
57335	NM_001130842,NM_001288642	ZNF286A	zinc finger protein 286A	-2.319488486	-1.289447881	2.856027	1.233926	2.08299	4.03874269	2.93605286	3.69710431	606	349	578
63892	NM_001083953,NM_001271643	THADA	THADA, armadillo repeat contain	1.202254574	-1.289750349	9.373725	11.02608	6.741241	5.79065071	6.05201418	5.43106932	2134	3428	2035
9810	NM_001207033,NM_001207034	RNF40	ring finger protein 40	1.260627057	-1.289794858	18.619502	23.185574	14.714257	6.7549426	7.08632739	6.39165578	4201	7076	4006
2626	NM_001308093,NM_001308094	GATA4	GATA binding protein 4	-1.235247676	-1.289848942	6.703139	5.384182	4.844517	4.55247036	4.26202234	4.20292915	882	954	841
54799	NM_017643	MBTD1	mbt domain containing 1	-1.115235443	-1.290040753	15.018804	13.479553	10.939231	6.31661142	6.16134171	5.95442013	3090	3702	2946
6727	NM_001309434,NM_003134	SRP14	signal recognition particle 14	-1.161221607	-1.290352468	189.191276	163.677735	138.315909	7.72828517	7.51373531	7.36248838	8286	9534	7898
54978	NM_017877	SLC35F6	solute carrier family 35 member F	1.39815123	-1.290367477	9.985941	13.982312	7.274223	5.28739233	5.76038336	4.93026678	1494	2791	1424
100996511	NR_110616	LINC01355	long intergenic non-protein codin	1.075700507	-1.29039946	6.353098	6.839262	4.623473	4.50632616	4.60714063	4.15677414	853	1226	813
10445	NM_001012300,NM_001278341	MCRS1	microspherule protein 1	-1.281338029	-1.290540423	33.299606	25.609955	23.868627	5.93518222	5.58413128	5.57402156	2363	2464	2252
353376	NM_021649	TICAM2	toll like receptor adaptor molecul	-1.335797938	-1.290711612	1.204101	0.90571	0.879262	2.25390578	1.93409799	1.97085819	148	148	141
9512	NM_004279	PMPCB	peptidase, mitochondrial process	-1.636629707	-1.291146356	22.098927	13.518774	16.085337	6.41506295	5.71502897	6.05131022	3311	2703	3154
6850	NM_001135052,NM_001174167	SYK	spleen associated tyrosine kinase	-1.342902045	-1.291470171	3.027059	2.243927	2.210769	3.99562384	3.60087125	3.6526589	587	584	559
51155	NM_001002032,NM_001002033	JPT1	Jupiter microtubule associated ho	-1.192510285	-1.29151688	219.556253	181.509745	164.435319	8.4787897	8.52664116	8.11089823	13967	15649	13301
9140	NM_001277783,NM_004707,NR	ATG12	autophagy related 12	-1.156949834	-1.291531976	16.531179	14.63631	12.30091	6.18087074	5.97365368	5.81755668	2809	3244	2675
220134	NM_001039535,NM_145060	SKA1	spindle and kinetochore associat	-1.385785521	-1.291690557	7.534044	5.48798	5.479402	4.47857364	4.03255443	4.1280136	836	806	796
692197	NR_003943	SNORD77	small nucleolar RNA, C/D box 77	1.134491058	-1.291792425	23.053005	26.247318	16.73699	1.36692851	1.48128072	1.15176086	62	94	59
84820	NR_003655	POLR2J4	RNA polymerase II subunit J4, pr	-1.36582448	-1.29184006	2.763057	2.023246	2.009742	4.21133328	3.78969848	3.86439381	688	673	655
116225	NM_138462	ZMYND19	zinc finger MYND-type containing	-1.023532493	-1.291867215	37.813225	36.997581	27.503691	5.68533091	5.65243182	5.32400962	1981	2586	1886
57109	NM_001279349,NM_001279350	REXO4	REX4 homolog, 3'-5' exonuclease	1.016717862	-1.29188649	21.332397	21.383215	15.135389	5.62406263	5.64750225	5.26307232	1897	2577	1806
78990	NM_023112	OTUB2	OTU deubiquitinase, ubiquitin ald	-1.205334954	-1.292083044	2.242187	1.861631	1.626228	3.24129226	3.00276575	2.91535666	332	368	316
51184	NM_001164372,NM_001164373	GPN3	GPN-loop GTPase 3	-1.513143565	-1.292650123	26.04503	17.499456	19.103275	5.29677111	4.71788299	4.93710983	1504	1328	1431
645513	NR_037630	LOC645513	septin 7 pseudogene	1.029911117	-1.292674509	5.63786	5.799393	4.09731	2.75626978	2.79259185	2.44691815	226	311	215
5636	NM_001243936,NM_001243940	PRPSAP2	phosphoribosyl pyrophosphate sy	1.069456353	-1.29278478	10.838045	11.075229	7.455703	4.38494329	4.47734157	4.03448121	781	1116	743
51133	NM_001319294,NM_001319295	KCTD3	potassium channel tetramerizatic	-1.08436673	-1.292864399	35.304543	32.528091	25.604767	7.09846575	6.98249847	6.73096582	5341	6581	5081
6895	NM_004178,NM_134323,NM_13	TARBP2	TARBP2, RISC loading complex	-1.174183002	-1.293070768	13.795105	12.150964	10.971223	4.61228705	4.39083965	4.25862092	921	1048	876
100216546	NR_039981	LINC01004	long intergenic non-protein codin	1.02568296	-1.293190864	2.893495	2.971174	2.102183	4.78350351	4.81877967	4.42780216	1042	1428	991
201176	NM_001282290,NM_174919,NM	ARHGAP27	Rho GTPase activating protein 2	-1.294371691	-1.293209016	91.765391	70.487567	67.024542	8.34335774	7.97240921	7.97370038	12712	13122	12090
28977	NM_014050,NM_172177,NR_03	MRPL42	mitochondrial ribosomal protein L	-1.197239047	-1.293412194	21.015404	17.586992	15.250685	6.02989496	5.77452033	5.66515841	2526	2819	2402
9677	NM_001130858,NM_001130859	PPIP5K1	diphosphoinositol pentakisphosp	1.062772119	-1.293865601	6.552494	6.92067	4.729147	5.19611722	5.28162956	4.83613057	1400	1988	1331
105372481	NR_144445	ERVK3-1	endogenous retrovirus group K3	1.013545918	-1.29374189	41.805794	42.418205	30.358145	5.86567124	5.88475289	5.50135024	2250	3047	2139
399761	NR_003611,NR_003611_dup1	BMS1P5	BMS1, ribosome biogenesis facto	-1.298711242	-1.294363544	0.859903	0.663809	0.626453	2.19091668	1.90501868	1.90855849	140	144	133
8786	NM_001286485,NM_001286486	RGS11	regulator of G protein signaling 1	-45.18483957	-1.294363544	1.516484	0.025849	1.092824	2.19091668	0.10601836	1.90855849	140	4	133
221188	NM_001304376,NM_001318481	ADGRG5	adhesion G protein-coupled rece	-2.737578583	-1.294401657	1.162674	0.400981	0.792317	2.34351507	1.31437719	2.05235145	160	78	152
8481	NM_001330209,NM_001330210	OFD1	OFD1, centriole and centriolar sa	-1.354771212	-1.294450857	32.963876	24.980461	23.882851	6.87657647	6.44286462	6.50783665	4574	4511	4346
28	NM_020469	ABO	ABO, alpha 1-3-N-acetylgalactos	-1.106718821	-1.294500987	10.946858	9.899999	7.938768	4.15675275	4.01904684	3.80791592	661	798	628
91582	NM_194326,NR_130151	RPS19BP1	ribosomal protein S19 binding pr	1.297044338	-1.294596175	148.29412	192.632777	107.674916	7.08337088	7.45616695	6.71399037	5285	9159	5021
55388	NM_018518,NR_182751	MCM10	minichromosome maintenance 1	1.357408409	-1.294600316	9.319274	12.669246	6.765291	5.40219915	5.8340679	5.03967945	1621	2940	1540
7536	NM_001178030,NM_001178031	SF1	splicing factor 1	1.226834276	-1.295083218	65.27445	83.257056	47.984191	7.75608871	8.04979803	7.38500621	8448	13848	8023
677781	NR_003013	SCARNA16	small Cajal body-specific RNA 16	-1.094689998	-1.295098061	8.249828	7.443236	5.908359	1.32354034	1.24644988	1.11084509	59	72	56
23274	NM_001243403,NM_015226	CLEC16A	C-type lectin domain containing 1	1.140003366	-1.295179792	5.097705	6.545881	4.290527	5.03733324	5.22098063	4.67705421	1250	1904	1187
5935	NM_006743	RBM3	RNA binding motif (RNP1, RRM)	1.109044464	-1.295479612	16.561779	18.38913	12.014071	6.17935039	6.3267143	5.81171749	2806	4158	2664
1195	NM_001162407,NM_004071,NR	CLK1	CDC like kinase 1	1.289136067	-1.2955074	46.046589	59.931751	33.159523	6.87938828	7.24304933	6.50947727	4583	7894	4351
56127	NM_019119	PCDHB9	protocadherin beta 9	1.515585855	-1.295698438	0.928823	1.410538	0.67412	2.32162912	2.8201133	2.03057861	157	318	149
100287171	NM_182905	WASHC1	WASH complex subunit 1	1.087606061	-1.295712757	14.284424	15.557586	10.364433	4.73188979	4.84867703	4.37406362	1004	1459	953
60436	NM_001199513,NM_001199514	TGIF2	TGFB induced factor homeobox 2	1.301557756	-1.295900273	7.291279	9.784644	5.391177	4.67260671	5.03971569	4.31524723	962	1673	913
23480	NM_001012456,NM_014302	SEC61G	Sec61 translocon gamma subuni	-1.238904901	-1.295921452	95.909277	77.507244	69.490998	5.47588426	5.17452161	5.11143982	1708	1842	1621
9891	NM_014840	NUAK1	NUAK family kinase 1	-1.199637703	-1.295974848	0.67272	0.5619	0.488787	2.45494311	2.24380223	2.15654364	176	196	167
645864	NM_001277307	MAGEB17	MAGE family member B17	-1.48919863	-1.295997539	0.347203	0.238358	0.253079	0.56944351	0.40498891	0.45708734	19	17	18
150082	NM_152505	LCA5L	LCA5L, lebercilin like	-1.333611753	-1.295997539	0.200215	0.157132	0.14853	0.56944351	0.44594451	0.45708734	19	19	18
728841	NM_001037501,NR_102404,NR	NBPF8	NBPF member 8	-1.026412058	-1.296060167	6.43076	6.186116	4.597808	5.53651876	5.49972722	5.17153303	1783	2321	1692
55745	NM_018229,NR_026895	AP5M1	adaptor related protein complex 5	1.130236251	-1.296118511	12.074718	13.665514	8.863992	5.22489744	5.39708195	4.86204569	1429	2158	1356

8086	NM_001173466,NM_015665	AAAS	aladin WD repeat nucleoporin	-1.333381229	-1.296141128	42.119996	31.781212	30.378007	6.24380564	5.8350318	5.87519349	2936	2942	2786
5877	NM_002871	RABIF	RAB interacting factor	-1.311096143	-1.296241903	6.805422	5.198479	4.934711	4.48515183	4.11422685	4.12972136	840	856	797
6902	NM_001297738,NM_001297740	TBCA	tubulin folding cofactor A	-1.179435984	-1.296254761	308.954274	260.274913	227.714598	7.78486696	7.54794001	7.41244888	8619	9764	8178
101927759	NR_132750	LOC101927759	uncharacterized LOC101927759	1.560355205	-1.296279876	0.567017	0.89596	0.414215	1.30878272	1.72538257	1.09694451	58	121	55
51389	NM_001007464,NM_015952,NM	RWDD1	RWD domain containing 1	1.030183978	-1.296368077	15.052158	15.570847	10.936133	4.51438809	4.55544439	4.15844821	858	1181	814
4154	NM_001314057,NM_021038,NM	MBNL1	muscleblind like splicing regulato	-1.022768495	-1.296400374	29.428228	29.509966	22.203395	7.33942186	7.3071445	6.96754097	6319	8255	5995
51654	NM_001278167,NM_001278168	CDK5RAP1	CDK5 regulatory subunit associa	1.006927534	-1.296598122	35.648809	36.005989	25.943044	6.21540387	6.22523051	5.84640328	2878	3872	2730
400506	NM_001012991,NM_001348527	KNOP1	lysine rich nucleolar protein 1	1.199742189	-1.296701574	15.77268	20.870723	12.370337	5.25118634	5.50760765	4.88750351	1456	2334	1381
91574	NM_001143905,NM_001194995	C12orf65	chromosome 12 open reading fra	-1.454668536	-1.296790611	18.648653	12.516104	12.78868	4.98259535	4.46244854	4.62109129	1202	1104	1140
653319	NM_001040715	KIAA0895L	KIAA0895 like	1.060726587	-1.296917324	11.761208	12.490752	8.524029	5.31995473	5.40294404	4.95552185	1529	2167	1450
5000	NM_001190879,NM_001190881	ORC4	origin recognition complex subun	1.18808256	-1.297048369	7.776386	9.447449	5.787852	5.69174366	5.93596539	5.32475528	1990	3159	1887
84791	NR_026761	LINC00467	long intergenic non-protein codin	-1.205122997	-1.297090697	13.955351	11.600274	10.099741	3.50026652	3.25693382	3.16227031	405	449	384
100144603	NR_021492,NR_110536	CHKB-AS1	CHKB antisense RNA 1 (head to	1.338350892	-1.297126959	1.482719	2.029126	1.080102	0.97665845	1.19932051	0.80366934	38	68	36
653567	NM_001098844,NM_001098844	TMEM236	transmembrane protein 236	1.240149229	-1.297126959	0.17956	0.224055	0.131482	0.97665845	1.1381576	0.80366934	38	63	36
100131564	NR_034089	CCDC18-AS1	CCDC18 antisense RNA 1	1.134226373	-1.29724108	7.116825	8.083767	5.155087	4.85635215	5.03217088	4.49559213	1098	1664	1041
4647	NM_000260,NM_001127179,NM	MYO7A	myosin VIIA	1.119933172	-1.297266617	2.447848	2.732276	1.759951	4.22121804	4.37634613	3.8684907	693	1037	657
25972	NM_001330353,NM_001330354	UNC50	unc-50 inner nuclear membrane	1.345537675	-1.297455978	32.669302	44.258261	23.764525	5.27320884	5.69180565	4.90854629	1479	2659	1402
28957	NM_014018	MRPS28	mitochondrial ribosomal protein S	-1.160875239	-1.297513702	41.167419	35.491611	29.81926	4.87525631	4.66790832	4.51401614	1113	1281	1055
9555	NM_001040158,NM_004893,NM	H2AFY	H2A histone family member Y	1.099483939	-1.297530568	165.156058	181.809412	119.657173	8.27607792	8.41248443	7.90168948	12131	17821	11499
100529144	NM_001201479	CORO7-PAM16	CORO7-PAM16 readthrough	3.895660035	-1.297694907	0.541447	2.117525	0.393032	1.55375576	3.09577728	1.31676564	76	396	72
390637	NM_001013657,NM_001322811	GDPGP1	GDP-D-glucose phosphorylase 1	1.252358644	-1.297808757	1.791305	2.235896	1.287882	1.77389308	2.01116974	1.51794971	95	159	90
10244	NM_001174152,NM_001174153	RABEPK	Rab9 effector protein with kelch r	1.175502375	-1.297887263	21.7689	26.503123	16.018244	5.04848016	5.27525207	4.68520645	1260	1979	1194
8321	NM_003505	FZD1	frizzled class receptor 1	-2.225845581	-1.298112784	1.713955	0.767289	1.238513	3.04601354	2.09080288	2.72060965	285	171	270
6199	NM_003952	RPS6KB2	ribosomal protein S6 kinase B2	1.143475514	-1.298442257	20.433218	23.39607	14.790445	5.17897521	5.3674088	4.81399624	1383	2113	1310
389524	NM_001003795	GTF2IRD2B	GTF2I repeat domain containing	-1.252908782	-1.298455073	1.097968	0.880161	0.79359	2.27683528	2.02475093	1.98602166	151	161	143
2289	NM_001145775,NM_001145776	FKBP5	FK506 binding protein 5	-1.142988696	-1.298560203	3.868113	3.473813	2.853634	3.99331833	3.81336732	3.64312491	586	685	555
100507567	NR_038237	RAB11B-AS1	RAB11B antisense RNA 1	-1.243175556	-1.298570201	2.398619	1.921765	1.726138	1.76310734	1.5486383	1.50747923	94	101	89
29937	NM_013349,NR_026598	NENF	neudesin neurotrophic factor	-1.163758388	-1.298977458	65.42673	56.583058	47.438915	5.93938001	5.72442272	5.56899537	2370	2721	2244
51187	NM_016304	RSL24D1	ribosomal L24 domain containing	-1.269453201	-1.299129327	94.010155	74.137901	68.001518	7.08580752	6.74445135	6.71142674	5294	5572	5012
81856	NM_001161499,NM_001161500	ZNF611	zinc finger protein 611	-1.644120925	-1.299424436	1.922253	1.173655	1.387513	3.25675288	2.63327382	2.92325564	336	273	318
285600	NM_001145678,NM_173665	KIAA0825	KIAA0825	3.973969327	-1.299852287	0.063317	0.257392	0.044827	0.54446555	1.50084877	0.43515728	18	96	17
81931	NM_031218	ZNF93	zinc finger protein 93	-3.386985596	-1.299852287	0.161124	0.046331	0.11709	0.54446555	0.18071335	0.43515728	18	7	17
22807	NM_001079526,NM_016260	IKZF2	IKAROS family zinc finger 2	2.2498541	-1.299882972	1.275448	2.879029	0.922988	3.68016614	4.78625756	3.33505242	464	1395	439
51649	NM_016070	MRPS23	mitochondrial ribosomal protein S	-1.096958053	-1.300292552	67.711334	61.793972	48.936245	6.63473002	6.50262483	6.26023459	3862	4704	3653
317648	NR_015453	NOP14-AS1	NOP14 antisense RNA 1	1.780737059	-1.300320789	1.991509	3.555858	1.438663	3.08983317	3.8462471	2.76083766	295	702	279
3248	NM_000860,NM_001145816,NM	HPGD	hydroxyprostaglandin dehydroge	2.315143087	-1.300635102	0.624837	1.457925	0.460325	1.51570785	2.40826098	1.28032816	73	226	69
693201	NR_030346	MIR616	microRNA 616	-1.948027567	-1.300635102	20.03471	10.239012	14.309472	1.51570785	0.96581954	1.28032816	73	50	69
7290	NM_003325	HIRA	histone cell cycle regulator	1.09039523	-1.300673223	5.744032	6.275822	4.152178	4.55247036	4.67222953	4.19152809	882	1285	834
388536	NM_001242800,NM_001242801	ZNF790	zinc finger protein 790	-1.76200728	-1.30074585	1.360378	0.87451	1.07477	2.09095564	1.51053416	1.80975447	128	97	121
644100	NM_001195581	ARL14EPL	ADP ribosylation factor like GTPa	-1.488580188	-1.300935195	5.924838	3.996382	4.281129	2.23841445	1.80624674	1.94780992	146	131	138
205428	NM_001134470,NM_173552	C3orf58	chromosome 3 open reading fran	2.045579602	-1.300964081	2.636617	5.394773	1.904556	3.60665736	4.57749805	3.26218696	439	1200	415
7109	NM_001351709,NM_003274	TRAPPC10	trafficking protein particle comple	-1.07346812	-1.301317392	16.22885	15.125877	11.715233	6.79487312	6.69354544	6.41879885	4320	5377	4083
54923	NM_001305654,NM_001305655	LIME1	Lck interacting transmembrane a	-1.185741274	-1.301673604	26.787942	22.447125	19.166878	5.24635403	5.0075879	4.87737422	1451	1635	1371
54822	NM_001301212,NM_017672	TRPM7	transient receptor potential cation	-1.254625344	-1.301720252	7.705418	6.14918	5.563946	6.30457447	5.98194516	5.92963585	3064	3263	2895
57661	NM_001286581,NM_001286582	PHRF1	PHD and ring finger domains 1	1.11360212	-1.301740583	10.309865	11.498979	7.44155	5.82929499	5.98194516	5.45646727	2193	3263	2072
728294	NM_001287249,NM_152783,NR	D2HGDH	D-2-hydroxyglutarate dehydroger	1.274851933	-1.301803201	31.788167	40.340802	22.918861	6.32809147	6.67455514	5.95297396	3115	5306	2943
100422885	NR_036262_chr12,NR_036262	MIR1244-2	microRNA 1244-2	-1.237628234	-1.301934566	39.928112	32.38406	28.774765	2.07360076	1.84504029	1.79260867	126	136	119
7567	NM_006961	ZNF19	zinc finger protein 19	-1.011815347	-1.302095939	2.223086	2.202611	1.606767	2.7991369	2.78463118	2.47942639	234	309	221
509	NM_001001973,NM_001320886	ATP5C1	ATP synthase, H+ transporting, m	-1.008412211	-1.302188168	187.948626	186.604996	135.816512	7.75063896	7.73860966	7.37171814	8416	11151	7949
8545	NM_001008390,NM_001195308	CGGBP1	CGG triplet repeat binding protein	1.11259089	-1.302230683	29.908568	33.360558	21.617381	7.03150809	7.18431795	6.65384259	5097	7577	4814
7220	NM_001251845,NM_003304	TRPC1	transient receptor potential cation	-1.08426675	-1.302683768	2.947853	2.734689	2.135428	3.68302999	3.57571888	3.33505242	465	573	439
6894	NM_005646	TARBP1	TAR (HIV-1) RNA binding protein	-1.487829742	-1.302791072	21.149931	14.232468	15.256055	6.73679637	6.17015278	6.35926898	4148	3725	3916
347732	NM_178019	CATSPER3	cation channel sperm associated	-1.360824854	-1.302896088	1.000894	0.744899	0.730872	1.23264156	0.99371033	1.02535867	53	52	50
4899	NM_001040110,NM_001293163	NRF1	nuclear respiratory factor 1	-1.239097022	-1.302949055	6.357564	5.109924	4.546326	4.51116872	4.21688696	4.14837451	856	923	808
55379	NM_018509	LRRC59	leucine rich repeat containing 59	-1.171868283	-1.303073228	139.906647	119.515991	100.889648	8.63687508	8.40868572	8.25605178	15589	17774	14714
8747	NM_003813	ADAM21	ADAM metallopeptidase domain	1.601947607	-1.303209875	0.334619	0.547363	0.247231	0.91952222	1.28081328	0.75138414	35	75	33
51019	NM_001301107,NM_016053	WASHC3	WASH complex subunit 3	-1.126749204	-1.303358606	24.680176	21.940814	17.796152	4.66683165	4.50182664	4.30167645	958	1136	904
51645	NM_016059	PPIL1	peptidylprolyl isomerase like 1	-1.02489844	-1.303378142	15.225856	14.879189	10.974474	4.74153657	4.7073941	4.37550374	1011	1318	954
7083	NM_001346663,NM_003258	TK1	thymidine kinase 1	-1.041388916	-1.303555539	135.159123	128.118946	96.518293	7.69728186	7.63905979	7.31693233	8109	10404	7651
79096	NM_001003676,NM_001003677	C11orf49	chromosome 11 open reading fra	-1.059028055	-1.3035955	13.530864	12.451564	9.637712	4.58345526	4.50425245	4.21906166	902	1138	851
746	NM_014206	TMEM258	transmembrane protein 258	-1.122652918	-1.303918264	153.600204	136.973831	110.722122	5.96549005	5.80139939	5.56961648	2414	2873	2277
729092	NM_001144000	AGAP5	ArfGAP with GTPase domain, an	-1.726162292	-1.304055316	7.201615	4.170234	5.18704	4.17110273	3.44039495	3.81217614	668	517	630
100134868	NR_004846	LOC100134868	uncharacterized LOC100134868	4.950022426	-1.304184762	0.144689	0.725469	0.103032	0.5190475	1.65726059	0.41288872	17	113	16
100132111	NR_024237	LOC100132111	uncharacterized LOC100132111	-1.333318851	-1.304184762	0.577522	0.415909	0.414358	0.5190475	0.40498891	0.41288872	17	17	16
102724450	NR_125997	LOC102724450	uncharacterized LOC102724450	-1.194017812	-1.304184762	1.128588	0.957542	0.816427	0.5190475	0.44594451	0.41288872	17	19	16
286101	NR_023392	ZNF252P	zinc finger protein 252, pseudoge	-1.039763552	-1.304211264	2.953954	2.844759	2.130179	4.05651939	4.00369809	3.69940604	614	789	579
8666	NM_003755	EIF3G	eukaryotic translation initiation fa	1.066522011	-1.304226505	91.992256	98.224373	66.273422	6.67304593	6.76507998	6.29413399	3967	5653	3741
6810	NM_001272095,NM_001272096	STX4	syntaxin 4	1.051301876	-1.304323597	43.095513	45.514974	31.260451	6.07746806	6.14860501	5.70063458	2612	3669	2463
101928079	NR_104131	SLC44A3-AS1	SLC44A3 antisense RNA 1	-1.361307863	-1.304380905	1.003639	0.738274	0.721461	1.21691895	0.97983233	1.01060517	52	51	49
101928433	NR_136240	LOC101928433	uncharacterized LOC101928433	1.186880119	-1.304445008	0.865607	1.030413	0.625931	2.32162912	2.52275889	2.02324736	157	249	148
8178	NM_006532	ELL	elongation factor for RNA polyme	-1.018151307	-1.304946557	8.128304	7.995794	5.85371	5.03956952	5.01441136	4.66885564	1252	1643	1180
10260	NM_001144823,NM_001320835	DENND4A	DENN domain containing 4A	-1.233622262	-1.304946557	3.750649	3.037565	2.667366	5.03956952	4.74685257	4.66885564	1252	1356	1180
5557	NM_000946	PRIM1	primase (DNA) subunit 1	-1.096599822	-1.305293302	19.815489	18.098864	14.264065	4.86898241	4.74069359	4.49955999	1108	1350	1044
705	NM_004053	BYSL	bystin like	1.018286354	-1.305299086	13.187762	13.450306	9.4946	4.73188879	4.75705948	4.36394232	1004	1366	946
100302210	NR_031730	MIR1909	microRNA 1909	-1.463287644	-1.305489881	11.072299	7.394855	7.782522	0.89996265	0.669904	0.73352601	34	31	32
101927420	NR_136252,NR_136253	LOC101927420	uncharacterized LOC101927420	-1.563708904	-1.305489881	1.377454	0.735921	0.930953	0.89996265	0.63490936	0.73352601	34	29	32
440275	NM_001013703	EIF2AK4	eukaryotic translation initiation fa	-1.049802598	-1.30571248	8.303113	7.918252	5.975605	5.51578614	5.44711248	5.14052934	1757	2236	1655
7772	NM_001278510,NM_014518,NR	ZNF229	zinc finger protein 229	1.451600594	-1.305830217	2.434818	3.537953	1.644894	3.68016614	4.18246262	3.3291189	464	900	437
84851	NM_001346048,NM_001346049	TRIM52	tripartite motif containing 52	-1.366706681	-1.306321068	12.930052	9.859913	9.417054	5.38998216	4.95180631	5.01494359	1607	1571	1513
7265	NM_001282500,NM_003314	TTC1	tetratricopeptide repeat domain 1	1.018747169	-1.306461468	56.641834	57.758572	40.749025	6.370457	6.39693301	5.99011117	3209	4368	3021
55216	NM_001082969,NM_001082970	C11orf57	chromosome 11 open reading fra	-2.234561022	-1.306620972	8.358491	3.792328	6.086134	4.88896361	3.78770843	4.51793371	1124	672	1058
25970	NM_001145795,NM_001145796	SH2B1	SH2B adaptor protein 1	1.197399131	-1.306621591	19.580334	24.25149	14.553328	6.42707025	6.68421526	6.04634597	3339	5342	3143
127687	NM_001142726,NM_198446	C1orf122	chromosome 1 open reading fram	1.32853713	-1.306663203	19.503135	25.901579	13.729152	4.55716073	4.95180631	4.18989199	885	1571	833
29083	NM_014170,NM_138485	GTPBP8	GTP binding protein 8 (putative)	1.637142965	-1.306904687	7.18964	11.866076	5.177205	3.3924168	4.04926299	3.04770709	373	816	351
51692	NM_001321833,NM_001321834	CPSF3	cleavage and polyadenylation sp	1.21667251	-1.306927021	47.814378	58.258087	34.374051	6.80870647	7.08935998	6.42646113	4362	7091	4105
195827	NM_153698	AAED1	AhpC/TSA antioxidant enzyme d	1.075474397	-1.306950791	5.41706	5.827571	3.896682	2.90104285	2.99243508	2.57277436	254	365	239
144404	NM_001080825	TMEM120B	transmembrane protein 120B	1.213580794	-1.307037829	3.006593	3.654536	2.162855	4.52400331	4.79222547	4.15677414	864	1401	813
58487	NM_001039618,NR_028024,NR	CREBZF	CREB/ATF bZIP transcription fac	-1.141527657	-1.307381073	25.659416	23.050046	18.503202	7.46286639	7.27305432	7.07869097	6887	8061	6479
7029	NM_001178138,NM_001178139	TFDP2	transcription factor Dp-2	1.289139957	-1.307389281	5.67674	7.042224	3.901871	5.71641462	6.07667303	5.33811168	2025	3488	1905
144577	NM_001300940,NM_001300941	C12orf66	chromosome 12 open reading fra	-1.364782216	-1.307502691	5.084011	3.7836	3.702429	3.8375314	3.42511354	3.48133381	522	511	491
55154	NM_001256532,NM_001256533	MSTO1	misato 1, mitochondrial distributio	-1.18263084	-1.307725586	8.580322	7.229268	6.090915	4.48515183	4.25483728	4.11772436	840	949	790
83734	NM_001131028,NM_031482	ATG10	autophagy related 10	-1.08759145	-1.307739522	3.299511	3.164362	2.376265	3.11973375	3.01302298	2.78271118	302	371	284
79731	NM_001243251,NM_024678	NARS2	asparaginyl-tRNA synthetase 2, r	-1.209210488	-1.307806615	9.83677	6.63726	5.756555	4.36902837	4.10945474	4.00314859	772	853	726
345275	NM_001136230,NM_178135	HSD17B13	hydroxysteroid 17-beta dehydrog	-1.334672263	-1.307916333	0.358655	0.262859	0.252101	0.88013425	0.70406985	0.71544405	33	33	31
122616	NM_174891	C14orf79	chromosome 14 open reading fra	1.396253812	-1.307942172	7.417089	10.362191	5.32455	3.8730763	4.32649813	3.51569869	536	1000	504
9807	NM_001006115,NM_001242829	IP6K1	inositol hexakisphosphate kinase	1.239662192	-1.308064147	5.870868	7.29228	4.272248	4.73188879	5.03133013	4.36103743	1004	1663	944
83932	NM_001010984,NM_001261462	SPRTN	SprT-like N-terminal domain	-1.014788704	-1.3081806	6.161654	6.276636	4.414595	4.60927912	4.58897123	4.2397678	919	1210	864
10286	NM_005872	BCAS2	BCAS2, pre-mRNA processing fa	1.13946923	-1.308346494	38.893097	44.375248	27.937492	5.65210193	5.83695767	5.27315144	1935	2946	1819
3856	NM_001256282,NM_001256293	KRT8	keratin 8	-1.733922069	-1.308620387	3633.037388	2094.903693	2599.30576	12.64205894	11.84818507	12.25408175	250913	193348	235826

101752399	NR_036569,NR_036570	STAG3L5P-PVRIG2P-PILRB	STAG3L5P-PVRIG2P-PILRB rea	-1.410711584	-1.308697321	21.30096	15.257745	15.652443	6.21342436	5.72494281	5.83126516	2874	2722	2701
9815	NM_001135213,NM_001135214	GIT2	GIT ArfGAP 2	-1.040121147	-1.30872511	10.270524	8.792697	8.619466	5.30330016	5.24800972	4.92634185	1511	1941	1420
6282	NM_005620	S100A11	S100 calcium binding protein A1	-1.486127715	-1.308890803	1727.419189	1163.644775	1240.192871	9.96582439	9.39496552	9.57792393	39222	35263	36856
84925	NM_032839	DIRC2	disrupted in renal carcinoma 2	1.455657658	-1.308978536	8.693206	12.667103	6.238708	4.87023937	5.39642914	4.49691596	1109	2157	1042
7405	NM_003369	UVRAG	UV radiation resistance associat	1.008866528	-1.309073439	6.107987	6.171606	4.387571	4.98839509	5.00073201	4.61378826	1207	1627	1134
100506749	NR_131900	AGAP1-IT1	AGAP1 intronic transcript 1	-1.124220842	-1.309089638	0.611901	0.536536	0.442328	0.49317359	0.44594451	0.39027104	16	19	15
102466757	NR_106944	MIR6884	microRNA 6884	1.07537041	-1.309089638	5.127318	5.667998	3.800764	0.49317359	0.52452456	0.39027104	16	23	15
126393	NM_144617	HSPB6	heat shock protein family B (sma	-1.772294266	-1.309089638	0.273606	0.160046	0.193225	0.49317359	0.29720487	0.39027104	16	12	15
100131211	NM_001142645,NR_136298	NEMP2	nuclear envelope integral membr	1.108892773	-1.309400788	5.088934	5.648678	3.651722	4.25047234	4.39215006	3.88476293	708	1049	665
23157	NM_015129,NM_145799,NM_14	SEPT6	septin 6	-1.038313663	-1.309500223	8.090236	8.127988	5.91858	4.94252643	4.89007563	4.56791716	1168	1503	1097
94027	NM_033142	CGB7	chorionic gonadotropin beta subu	-1.521369399	-1.309584024	3.870949	2.556808	2.781265	2.11660268	1.67459501	1.8266989	131	115	123
58516	NM_001135811,NM_001135812	FAM60A	family with sequence similarity 6(	-1.264167935	-1.309606416	32.333887	25.705019	23.029896	6.61649495	6.28217515	6.23189373	3813	4030	3581
54482	NM_019083,NR_135078	TRMT13	tRNA methyltransferase 13 homc	-1.007729621	-1.309623477	9.480062	9.309164	6.841465	4.88025587	4.86952482	4.50614893	1117	1481	1049
110006322	NR_146331	PKD1P5-LOC105376752	PKD1P5-LOC105376752 readthr	1.102261868	-1.309836932	9.890701	10.914928	7.095915	6.8346943	6.97399142	6.44920678	4442	6542	4171
255403	NM_001039127,NM_001289930	ZNF718	zinc finger protein 718	-1.034831728	-1.309992323	3.342066	3.356087	2.376836	3.70855202	3.6629841	3.35270793	474	612	445
83707	NM_001033678,NM_001160389	TRPT1	tRNA phosphotransferase 1	1.137551228	-1.310027079	28.304145	32.373732	19.89017	4.83204569	5.01185634	4.45802288	1079	1640	1013
3837	NM_001276453,NM_002265	KPNB1	karyopherin subunit beta 1	-1.08297067	-1.31009615	152.07058	140.591458	109.092929	9.30679141	9.19198572	8.91782292	24825	30628	23306
51586	NM_001003891,NM_001293234	MED15	mediator complex subunit 15	-1.009373606	-1.310130969	108.63654	107.808505	77.704304	8.48218482	8.46876226	8.09372087	14000	18532	13143
129607	NM_001256477,NM_001256478	CMPK2	cytidine/uridine monophosphate k	-2.424782367	-1.310446435	2.932932	1.188475	2.186007	3.21383096	2.14154997	2.87112187	325	179	305
54413	NM_001166660,NM_001321276	NLGN3	neuroligin 3	1.351260354	-1.310472403	1.39568	1.914315	1.010913	2.67229041	3.04669644	2.35062252	211	381	198
400684	NR_046201	LOC400684	uncharacterized LOC400684	-5.268203271	-1.310503808	0.853326	0.158855	0.629192	0.86002952	0.20477631	0.69713258	32	8	30
4298	NM_005934	MLLT1	MLLT1, super elongation comple	1.163187705	-1.310623454	19.990704	23.278625	14.332395	6.47081381	6.68662022	6.08558977	3443	5351	3231
5810	NM_002853,NR_026591	RAD1	RAD1 checkpoint DNA exonuclea	1.032431228	-1.310653582	5.241365	5.422558	3.803363	4.61828417	4.66248855	4.24607959	925	1276	868
23314	NM_001172509,NM_001172517	SATB2	SATB homeobox 2	-1.019927068	-1.310789435	3.543661	3.394313	2.425685	4.29045667	4.26345507	3.92268941	729	955	684
54465	NM_019002	ETAA1	ETAA1, ATR kinase activator	-1.122898941	-1.310854901	17.158369	15.30122	12.301551	5.80386677	5.6398004	5.42134148	2154	2563	2021
81493	NM_001161708,NM_030786	SYNC	syncoilin, intermediate filament p	-1.601197772	-1.310978078	0.355818	0.221612	0.25506	1.15225689	0.81765451	0.95003448	48	40	45
57120	NM_001017408,NM_020399	GOPC	golgi associated PDZ and coiled-	-1.055408741	-1.311103433	8.710716	8.264594	6.245486	5.32454708	5.24873326	4.94489092	1534	1942	1439
80307	NR_119376	FER1L4	fer-1 like family member 4, pseuc	-1.138042468	-1.311113273	70.619019	62.119682	50.613976	8.85350278	8.66737769	8.46367769	18121	21275	16999
11465	NM_007065	CDC37	cell division cycle 37	-1.040220332	-1.311160446	212.271545	204.296738	152.138794	8.43613998	8.3794179	8.04658753	13559	17416	12719
55760	NM_018180	DHX32	DEAH-box helicase 32 (putative)	-1.045682613	-1.311484498	15.891581	15.206254	11.384293	5.60002041	5.53692983	5.21802858	1865	2383	1749
57223	NM_001122964,NM_001282850	PPP4R3B	protein phosphatase 4 regulatory	-1.061181321	-1.311514518	19.362007	18.229317	13.878569	6.71981416	6.63497784	6.33282566	4099	5161	3844
2873	NM_001321089,NM_001321090	GPS1	G protein pathway suppressor 1	-1.03694907	-1.311548098	95.839029	89.138043	69.192457	7.52643278	7.47437605	7.13759096	7199	9276	6751
11130	NM_001005413,NM_007057,NM	ZWINT	ZW10 interacting kinetochore pro	-1.703030321	-1.311588277	119.437228	69.480099	85.555124	7.59151379	6.82864449	7.20252103	7533	5910	7064
440465	NR_026857	BAIAP2-AS1	BAIAP2 antisense RNA 1 (head	-1.078351127	-1.311676091	5.120631	4.755968	3.667685	4.52719419	4.42324784	4.15509812	866	1073	812
27089	NM_014402	UQCRQ	ubiquinol-cytochrome c reductase	-1.298932112	-1.311846344	111.275757	85.753052	79.713333	7.43234321	7.05750505	7.04333938	6742	6935	6321
3364	NM_004507,NR_037917	HUS1	HUS1 checkpoint clamp compon	-1.080460553	-1.31186272	6.376549	5.570097	4.38473	4.17923909	4.07396851	3.81217614	672	831	630
148789	NM_001277155,NM_152490	B3GALNT2	beta-1,3-N-acetylgalactosaminyl	1.012892931	-1.311884699	16.406992	16.431726	11.782919	6.21688672	6.23512217	5.83126516	2881	3899	2701
80323	NM_001143829,NM_025214	CCDC68	coiled-coil domain containing 68	-1.050866409	-1.312299663	2.213066	2.108446	1.580508	3.30959645	3.24537964	2.96211454	350	445	328
145781	NM_001018090,NM_001018091	GCOM1	GRINL1A complex locus 1	1.134381425	-1.312439001	1.355553	1.504924	0.95715	2.90104285	3.05994879	2.56774382	254	385	238
83786	NM_001300832,NM_001300833	FRMD8	FERM domain containing 8	1.508426494	-1.312539372	13.730922	20.558199	9.730679	5.65429253	6.23767564	5.27083173	1938	3906	1816
2330	NM_001144829,NM_001144830	FMO5	flavin containing monooxygenase	1.400412369	-1.312814206	0.546093	0.713706	0.347474	1.13562816	1.42093184	0.93448595	47	88	44
6059	NM_001040876,NM_002940	ABCE1	ATP binding cassette subfamily E	1.021602231	-1.312914898	42.443889	43.399823	30.3715	7.44526277	7.47592178	7.05506998	6803	9286	6373
84067	NM_001098794,NM_032127	FAM160A2	family with sequence similarity 16	-1.158549878	-1.312937839	22.002125	18.989973	15.733033	6.23114291	6.0218562	5.84432468	2910	3356	2726
4698	NM_001282419,NM_001282420	NDUFA5	NADH:ubiquinone oxidoreductas	-1.840036357	-1.313061651	12.426712	6.760235	8.905501	6.10815615	5.24583694	5.72173543	2669	1938	2500
57050	NM_020368	UTP3	UTP3, small subunit processome	-1.160762191	-1.313464967	34.907066	30.115114	24.974709	6.15943858	5.94759844	5.77235589	2767	3185	2591
55106	NM_001289009,NM_018042	SFN12	schlafen family member 12	1.035646053	-1.313530835	6.543407	6.749923	4.641657	4.08711111	4.13472547	4.71995801	628	869	588
100507599	NR_144529	LOC100507599	uncharacterized LOC100507599	1.52820825	-1.313629812	10.129201	15.513168	7.243344	4.11918371	4.70212092	3.75135692	643	1313	602
54700	NM_001301064,NM_018427	RRN3	RRN3 homolog, RNA polymerasi	1.150118204	-1.313942391	29.976263	34.564653	21.633477	6.79883906	6.99893356	6.40898763	4332	6657	4055
728262	NR_146164	FAM157A	family with sequence similarity 15	1.038987767	-1.314036582	11.940591	12.420665	8.539822	6.33948089	6.3939927	5.95104347	3140	4359	2939
1277	NM_000088	COL1A1	collagen type I alpha 1 chain	1.104171182	-1.314280718	13.406715	14.819816	9.587166	6.29243623	6.43366729	5.90391945	3038	4482	2843
3035	NM_001258040,NM_001258041	HARS	histidyl-tRNA synthetase	1.121260734	-1.314540595	52.412855	58.644726	37.464864	6.87938828	7.04318787	6.4886678	4583	6866	4288
102466911	NR_106843	MIR6785	microRNA 6785	-1.112541313	-1.314688377	4.636823	4.20976	3.248307	0.46682716	0.42561204	0.36729312	15	18	14
197187	NR_024399,NR_024402	SNAI3-AS1	SNAI3 antisense RNA 1	-1.159223808	-1.314735461	0.582494	0.420257	0.505186	1.11880553	1.00745609	0.91876801	46	53	43
64770	NM_001308317,NM_022757	CCDC14	coiled-coil domain containing 14	1.091533342	-1.314735917	25.146225	27.587887	18.063896	6.71212398	6.83732897	6.32166294	4077	5946	3814
55505	NM_018648	NOP10	NOP10 ribonucleoprotein	-1.21324852	-1.314902005	169.443344	139.847137	121.104065	6.48031134	6.20486858	6.09042103	3466	3817	3242
22955	NM_001031694,NM_001172218	SCMH1	sex comb on midleg homolog 1 (	-1.140419869	-1.314902392	17.348279	15.183858	12.447986	5.83187785	5.64585531	5.44485344	2197	2574	2055
57608	NM_001350001,NM_001350021	KIAA1462	KIAA1462	1.190908225	-1.315119026	2.801096	3.352089	2.009994	4.73050526	4.9738534	4.3522875	1003	1596	938
51329	NM_001002251,NM_001002252	ARL6IP4	ADP ribosylation factor like GTP	-1.347786186	-1.315429637	44.861018	33.015481	31.035132	6.16046641	5.73685332	5.77126223	2769	2745	2589
57169	NM_021035	ZNFX1	zinc finger NFX1-type containing	-1.174423576	-1.315949327	20.960415	17.867769	14.96968	7.24228707	7.01199077	6.84918197	5905	6718	5519
90957	NM_001329963,NM_198963	DHX57	DExH-box helicase 57	1.054784648	-1.315992044	8.274041	8.741071	6.071298	5.33368816	5.40878241	4.94876578	1544	2176	1443
134265	NM_001146337,NM_001323062	AFAP1L1	actin filament associated protein	2.539186592	-1.3162305	0.127618	0.52157	0.091993	0.81895953	1.55800914	0.65979727	30	102	28
340267	NM_001037763	COL28A1	collagen type XXVIII alpha 1 cha	-1.429367059	-1.3162305	0.222459	0.153659	0.155846	0.81895953	0.61708849	0.65979727	30	28	28
79086	NM_001300925,NM_024104	SMIM7	small integral membrane protein	-1.305587156	-1.316315197	39.537622	30.710943	28.402098	5.7065968	5.3302927	5.31877917	2011	2058	1879
889	NM_001013406,NM_001350669	KRIT1	KRIT1, ankyrin repeat containing	-1.794389585	-1.316538938	13.902	7.683387	9.86391	5.98476708	5.15920994	5.59518964	2447	1822	2286
100113381	NR_003687	SNORD19B	small nucleolar RNA, C/D box 19	1.031102386	-1.316747906	12.541703	12.919581	9.016318	1.10178443	1.12560759	0.90287695	45	62	42
414245	NR_038373,NR_134458,NR_13	DNAJC9-AS1	DNAJC9 antisense RNA 1	-1.457857252	-1.316752993	6.949185	4.688615	4.894648	2.76169834	2.31185141	2.43038515	227	208	212
100130776	NR_027032	AGAP2-AS1	AGAP2 antisense RNA 1	-1.285927201	-1.316873653	4.385111	3.410327	3.13272	2.91572639	2.60642858	2.57778742	257	267	240
57691	NM_001286274,NM_001286275	KIAA1586	KIAA1586	1.008219189	-1.316881465	3.223719	3.234893	2.289951	3.35699061	3.36765473	3.00368412	363	489	339
375748	NM_001010895,NM_020207	ERCC6L2	ERCC excision repair 6 like 2	-1.015654333	-1.317151349	3.859359	3.75594	2.932914	5.2001212	5.17832427	4.81505799	1404	1847	1311
4999	NM_006190,NR_033915	ORC2	origin recognition complex subun	-1.079772212	-1.317247736	20.693166	19.306679	15.098799	6.12457611	6.01549315	5.73357571	2700	3341	2521
55215	NM_001113378,NM_018193	FANCI	Fanconi anemia complementatio	-1.273110802	-1.317275485	40.345043	31.742873	28.742608	7.53735367	7.19110937	7.14225146	7254	7613	6773
54956	NM_001316943,NM_001316944	PARP16	poly(ADP-ribose) polymerase fan	-1.011590106	-1.317380334	3.343905	3.399237	2.382707	3.29469475	3.27976824	2.94281592	346	457	323
84759	NM_032673	PCGF1	polycomb group ring finger 1	-1.035309053	-1.317513455	24.723072	23.915838	17.647388	4.5127793	4.46494141	4.13483255	857	1106	800
57513	NM_001142643,NM_020753	CASKIN2	CASK interacting protein 2	-1.312961825	-1.317710137	9.470384	7.219927	6.752414	5.56241133	5.1790836	5.17401788	1816	1848	1695
84516	NM_001199011,NM_001199743	DCTN5	dynactin subunit 5	1.049787736	-1.31781095	7.318374	7.84454	5.231975	5.72616608	5.79497413	5.33663373	2039	2860	1903
2014	NM_001313905,NM_001425	EMP3	epithelial membrane protein 3	-1.329046097	-1.317825364	120.981476	91.534418	85.074062	6.59764706	6.19213594	6.20420113	3763	3783	3512
27166	NM_001271828,NM_013237	PRELID1	PRELI domain containing 1	-1.031919174	-1.318312616	123.616288	120.135039	88.073904	7.26778899	7.22675499	6.87206284	6011	7783	5608
1478	NM_001306206,NM_001306209	CSTF2	cleavage stimulation factor subur	1.064693112	-1.318314045	20.716073	25.569038	17.113174	5.61058821	5.69923552	5.22123584	1879	2673	1753
286075	NM_001100598,NM_001100599	ZNF707	zinc finger protein 707	1.063762098	-1.31831415	12.17686	13.169984	9.209101	4.93653894	5.02289554	4.55272125	1163	1653	1085
23505	NM_015348	TMEM131	transmembrane protein 131	1.291183695	-1.318627367	11.706887	15.13406	8.344325	6.26163619	6.62609534	5.86856107	2973	5129	2773
64110	NM_022149	MAGEF1	MAGE family member F1	1.117650585	-1.318634131	97.795174	109.423698	69.687019	7.33237073	7.4918999	6.93616781	6288	9390	5865
200765	NM_145702	TIGD1	tigger transposable element deriv	1.083410224	-1.318974948	9.89631	10.738306	7.047769	4.71519816	4.82655463	4.33314528	992	1436	925
9270	NM_001319066,NM_001319067	ITGB1BP1	integrin subunit beta 1 binding pr	1.103114637	-1.318978148	32.135269	35.486041	22.73589	5.96549005	6.1049189	5.57339425	2414	3558	2251
619208	NM_001033564	FAM229B	family with sequence similarity 22	-1.110187909	-1.318985271	1.151297	1.03846	0.818436	2.00201503	1.89025622	1.71282633	118	142	110
541565	NM_001013842,NM_001198827	C8orf58	chromosome 8 open reading fran	1.120004834	-1.318995636	5.498312	6.13508	3.938011	3.57617204	3.72669368	3.21470347	429	642	400
57558	NM_020798	USP35	ubiquitin specific peptidase 35	-1.374212351	-1.319460297	3.929349	2.861169	2.79746	4.12971807	3.70154644	3.75578721	648	630	604
51058	NM_001242739,NM_015911	ZNF691	zinc finger protein 691	1.411952098	-1.31946512	4.338884	6.078006	3.306401	3.1490272	3.5986027	2.79997431	309	583	288
23524	NM_016333	SRRM2	serine/arginine repetitive matrix 2	1.172967514	-1.319605974	115.788193	135.964706	82.454063	10.04357689	10.27353891	9.64390525	41396	64877	38583
6322	NM_001037535,NM_001037536	SCML1	sex comb on midleg like 1 (Drosc	-1.351746184	-1.320475972	9.226579	7.343264	7.043717	4.77413325	4.3576867	4.38982644	1035	1023	964
30819	NM_014591,NM_173191,NM_17	KCNIP2	potassium voltage-gated channel	1.032283666	-1.320496018	0.877013	0.904415	0.616669	1.6852613	1.71704117	1.42086173	87	120	81
5294	NM_001282426,NM_001282427	PIK3CG	phosphatidylinositol-4,5-bisphos	1.064523957	-1.320632242	0.420342	0.446858	0.298338	1.98354948	2.05153568	1.69448139	116	165	108
6748	NM_001204526,NM_001204527	SSR4	signal sequence receptor subunit	-1.020378825	-1.320669324	214.340487	212.212199	152.752488	7.27468557	7.24577005	6.87639236	6040	7909	5625
9988	NM_001142326,NM_001142327	DMTF1	cyclin D binding myb like transcri	-1.430830448	-1.320699025	34.230821	23.918947	24.232212	7.0424212	6.53028319	6.64461509	5136	4796	4783
10898	NM_001081559,NM_001318160	CPSF4	cleavage and polyadenylation sp	-1.581381586	-1.320738828	28.081858	17.892843	19.901024	5.651371	5.00673269	5.2591769	1934	1634	1801
2630	NM_002188	GBAP1	glucosylceramidase beta pseudo	-1.136405058	-1.320947962	13.232883	11.653826	9.414521	4.76740274	4.59011355	4.38268287	1030	1211	959
10589	NM_006442	DRAP1	DR1 associated protein 1	1.223461852	-1.32095103	393.263123	481.674194	279.76416	8.59177477	8.88206261	8.191394	15108	24697	14067
259307	NM_001258017,NM_001258018	IL4I1	interleukin 4 induced 1	-1.638911616	-1.321073625	0.452916	0.281315	0.320184	1.06712766	0.73744528	0.87055986	43	35	40
64798	NM_001283012,NM_022783	DEPTOR	DEP domain containing MTOR in	2.501126862	-1.32113942	0.13413	0.341365	0.09781	0.43999062	0.92294555	0.34394329	14	47	13
100507117	NR_045385	ASAP1-IT2	ASAP1 intronic transcript 2	-3.664933469	-1.32113942	0.179824	0.038605	0.12492	0.43999062	0.13134883	0.34394329	14	5	13

54660	NR_001281	PCDHB18P	protocadherin beta 18 pseudogen	1.121721245	-1.32113942	0.108815	0.123709	0.076277	0.43999062	0.48576948	0.34394329	14	21	13
643677	NM_001146197	CCDC168	coiled-coil domain containing 168	-1.099499183	-1.32113942	0.017059	0.014608	0.011172	0.43999062	0.40498891	0.34394329	14	17	13
161753	NM_175881	ODF3L1	outer dense fiber of sperm tails 3	1.01561312	-1.32113942	0.306275	0.304999	0.216618	0.43999062	0.44594451	0.34394329	14	19	13
284131	NM_001164637,NM_001164638	ENDOV	endonuclease V	-1.068115409	-1.321184952	23.622857	21.056174	15.128223	5.17083736	5.07848781	4.7817748	1375	1720	1280
55164	NM_018130	SHQ1	SHQ1, H/ACA ribonucleoprotein	1.0952508	-1.321595093	4.889323	5.36774	3.47735	3.86553291	3.98818428	3.494648 12	533	780	496
84446	NM_032430	BRSK1	BR serine/threonine kinase 1	-1.01982849	-1.321669533	1.33925	1.311285	0.950894	2.32896139	2.30630165	2.01587867	158	207	147
80135	NM_025065	RPF1	ribosome production factor 1 hon	1.217667859	-1.321674221	13.340251	16.27384	9.484142	4.7374097	5.01185634	4.3522875	1008	1640	938
7919	NM_004640,NM_080598,NR_03	DDX39B	DExD-box helicase 39B	1.098559074	-1.321697126	155.752732	169.102265	111.272274	8.31606032	8.4512677	7.91512008	12473	18308	11607
26610	NM_001288725,NM_001288726	ELP4	elongator acetyltransferase comp	-1.16146189	-1.3217946	13.8451	11.925677	9.846781	5.02271227	4.81389896	4.63438491	1237	1423	1151
100131096	NR_040071	TNRC6C-AS1	TNRC6C antisense RNA 1	-1.300499972	-1.321802974	11.092307	8.53658	7.882498	5.14718204	4.78026487	4.75767981	1352	1389	1258
2271	NM_000143	FH	fumarate hydratase	-1.087147089	-1.321883147	84.79026	78.082932	60.276859	7.27753054	7.1577913	6.87791733	6052	7438	5631
29107	NM_013248	NXT1	nuclear transport factor 2 like exp	1.332817504	-1.322001897	32.271145	43.054863	22.925282	5.17389443	5.57838681	4.78394543	1378	2454	1282
100128553	NM_198495,NM_198495_dup1	CTAGE4	CTAGE family member 4	-1.235502283	-1.322101128	5.995807	4.856991	4.256433	4.02977152	3.74527057	3.65503258	602	651	560
85474	NM_001009812,NM_001282430	LBX2	ladybird homeobox 2	1.043827957	-1.322341282	2.053406	2.338058	1.469413	1.96484452	2.01116974	1.67590018	114	159	106
9637	NM_001042548,NM_005102	FEZ2	fasciculation and elongation prot	-1.176649942	-1.322346355	27.157765	23.118503	19.346917	5.76992351	5.53988865	5.37529684	2103	2388	1956
5635	NM_001330503,NM_002766	PRPSAP1	phosphoribosyl pyrophosphate sy	-1.103300908	-1.322370313	26.162624	23.737225	18.593437	5.93337942	5.79398308	5.5378219	2360	2858	2195
9966	NM_001204344,NM_005118	TNFSF15	TNF superfamily member 15	-1.343080969	-1.322372119	3.767618	2.807106	2.682905	4.66683165	4.26058819	4.28184606	958	953	891
338799	NR_002809	LINC01089	long intergenic non-protein codin	-1.230997759	-1.322437571	7.85557	6.381522	5.575679	3.65995838	3.38618649	3.29299602	457	496	425
7482	NM_001291880,NM_004185,NM	WNT2B	Wnt family member 2B	-2.42719538	-1.32243856	0.645565	0.264935	0.476841	1.48977343	0.80196545	1.24294651	71	39	66
84148	NM_032188,NM_182958	KAT8	lysine acetyltransferase 8	-1.028560716	-1.322439068	37.31927	36.363312	26.843245	5.86188507	5.82196451	5.4666377	2244	2915	2087
84656	NM_001308096,NM_001324096	GLYR1	glyoxylate reductase 1 homolog	1.19720057	-1.322486136	26.209094	31.047543	18.464219	6.54588578	6.80301199	6.14758984	3629	5805	3375
51444	NM_001191324,NM_016271,NM	RNF138	ring finger protein 138	1.138861526	-1.322667732	5.87807	6.75134	4.11928	4.39021014	4.56941219	4.00872756	784	1193	729
9301	NR_002563	SNORD27	small nucleolar RNA, C/D box 27	1.233159925	-1.322775033	51.286461	63.567791	36.477482	2.20692365	2.4491251	1.90057841	142	234	132
100996842	NM_001322800,NR_136401,NR	LOC100996842	uncharacterized LOC100996842	-1.580386569	-1.322775033	4.282061	3.394968	2.955569	2.20692365	1.71704117	1.90057841	142	120	132
124936	NM_001254755,NM_001254756	CYB5D2	cytochrome b5 domain containing	-1.284456103	-1.322814822	6.518993	5.06618	4.801136	3.7744826	3.44292618	3.40441396	498	518	463
80345	NM_001320555,NM_001320556	ZSCAN16	zinc finger and SCAN domain co	-1.329324025	-1.322891143	7.553238	5.82163	5.396746	3.47735365	3.10858833	3.11477407	398	400	370
29929	NM_013339	ALG6	ALG6, alpha-1,3-glucosyltransfer	-1.063958884	-1.322935776	10.039024	9.445016	7.128111	5.08574814	4.99901294	4.69562066	1294	1625	1203
51069	NM_001300848,NM_015950	MRPL2	mitochondrial ribosomal protein L	-1.157655479	-1.323074709	25.222387	21.896442	17.986175	5.06833013	4.86386887	4.67822164	1278	1475	1188
51585	NM_001346413,NM_001346414	PCF11	PCF11 cleavage and polyadenyla	-1.285129676	-1.323181563	19.350791	15.103541	13.738362	6.85705587	6.49867636	6.45704978	4512	4691	4194
84930	NM_001172303,NM_001172304	MAST3L	microtubule associated serine/thr	-1.158443846	-1.323452678	15.455803	13.359014	10.993607	6.1480384	5.9391066	5.75032359	2745	3166	2551
727866	NM_001099684,NM_001099684	FAM156B	family with sequence similarity 15	-1.136216095	-1.323476923	9.495621	8.041168	6.643957	4.96623093	4.78824961	4.57670807	1188	1397	1104
10057	NM_001023587,NM_001320032	ABCC5	ATP binding cassette subfamily C	1.316278022	-1.323521595	15.96251	20.38112	10.287985	5.85555262	6.24603394	5.45918641	2234	3929	2076
100130275	NR_033910	TFAP2A-AS1	TFAP2A antisense RNA 1	1.309169468	-1.323687373	1.119407	1.4723	0.788621	1.27880673	1.52015496	1.05442063	56	98	52
171423	NR_002305	PDIA3P1	protein disulfide isomerase family	-1.060095691	-1.323800892	4.207234	3.971102	2.985808	3.26442151	3.18919702	2.9074142	338	426	314
2593	NM_000156,NM_138924	GAMT	guanidinoacetate N-methyltransfe	-4.476823839	-1.323898751	15.148235	3.407387	11.087063	4.24272901	2.32288731	3.86234099	704	210	654
80179	NM_001033580,NM_001163735	MYO19	myosin XIX	-1.031263485	-1.323905837	56.41156	54.290102	40.120308	7.845078	7.80086063	7.44230257	8988	11645	8350
196403	NM_001286245,NM_001286246	DTX3	deltex E3 ubiquitin ligase 3	1.054743465	-1.324100138	15.007313	15.615504	10.741865	5.03845181	5.11306995	4.64755715	1251	1763	1162
2966	NM_001515	GTF2H2	general transcription factor IIH su	-1.025114834	-1.324132978	11.480554	11.215736	8.145174	4.5127793	4.47857574	4.1280136	857	1117	796
152217	NR_024388	NCBP2-AS2	NCBP2 antisense RNA 2 (head t	-30.59803881	-1.324164148	22.447805	0.721996	15.929373	4.973267	0.99371033	4.58295467	1194	52	1109
192286	NM_138820	HIGD2A	HIG1 hypoxia inducible domain fa	-1.136015726	-1.324281743	73.50325	64.771423	52.148155	6.01406127	5.83310336	5.6160516	2498	2938	2320
5436	NM_002696	POLR2G	RNA polymerase II subunit G	-1.025704745	-1.32448482	77.034691	75.19426	54.655212	5.99517426	5.95913844	5.59704258	2465	3211	2289
26010	NM_001100422,NM_001100423	SPATS2L	spermatogenesis associated seri	1.174479948	-1.324540703	40.440829	47.806534	28.888587	7.94658062	8.17773601	7.54297973	9646	15137	8957
124997	NM_001163673,NM_001163809	WDR81	WD repeat domain 81	1.020800599	-1.324629196	2.445989	2.500773	1.736574	4.11918371	4.14719676	3.74022131	643	877	597
26233	NM_012162,NM_024555	FBXL6	F-box and leucine rich repeat pro	1.004896575	-1.32486106	26.014981	26.161503	18.438647	5.53889193	5.54578815	5.14306812	1786	2398	1658
57494	NM_001297776,NM_020734,NR	RIMKLB	ribosomal modification protein rim	-1.497678363	-1.325046982	43.902494	27.120898	26.581511	7.00027516	6.42312952	6.5978795	4987	4449	4629
192111	NM_001170543,NM_001170544	PGAM5	PGAM family member 5, mitocho	-1.078250203	-1.325085499	25.958765	23.961894	18.084744	6.14704714	6.03994294	5.74754575	2743	3399	2546
79187	NM_001330429,NM_024333	FSD1	fibronectin type III and SPRY dor	1.514684881	-1.325163257	5.960414	9.005949	4.207027	3.53871843	4.09504299	3.17224778	417	844	387
23478	NM_001271918,NM_001271919	SEC11A	SEC11 homolog A, signal peptida	-1.09427493	-1.325371916	175.968137	160.633691	124.657194	7.91602079	7.78660703	7.51156023	9443	11530	8763
63910	NM_001302643,NM_022082	SLC17A9	solute carrier family 17 member 9	-1.311540842	-1.32539377	37.883408	28.859921	26.856015	6.6078555	6.22118105	6.2062258	3790	3861	3517
9570	NM_001012511,NM_001321133	GOSR2	golgi SNAP receptor complex me	1.049462404	-1.325984509	23.209305	24.10367	16.488432	6.17732075	6.24603394	5.77672226	2802	3929	2599
6905	NM_001079515,NM_001287801	TBCE	tubulin folding cofactor E	-1.157781717	-1.326108511	28.110577	24.326855	19.852862	5.78332993	5.57608261	5.38462408	2123	2450	1969
127845	NM_198447	GOLT1A	golgi transport 1A	-1.499497721	-1.326265506	21.99066	14.686435	15.583283	4.31651022	3.76765554	3.93250653	743	662	689
55183	NM_001177663,NM_001177664	RIF1	replication timing regulatory factc	-1.077015147	-1.326304261	15.655434	14.47876	11.016107	7.23864191	7.13233689	6.83433498	5890	7307	5462
55780	NM_001278531,NM_001278532	ERMARD	ER membrane associated RNA d	-1.203796951	-1.326441304	9.19536	7.413467	6.336341	4.28857758	4.03591166	3.90484845	728	808	675
254394	NM_017696,NM_153255	MCM9	minichromosome maintenance 9	-1.194933601	-1.326458839	3.712637	3.344627	2.610302	3.80108857	3.5641394	3.42681271	508	568	471
114548	NM_001079821,NM_001127461	NLRP3	NLR family pyrin domain containi	-7.042269872	-1.326529123	0.156648	0.017592	0.107174	0.7550755	0.13134883	0.60191771	27	5	25
10287	NM_001039467,NM_005873	RGS19	regulator of G protein signaling 1	1.011548343	-1.326571788	15.815007	16.112749	11.188939	4.63020414	4.64610598	4.24134834	933	1261	865
6181	NM_001004	RPLP2	ribosomal protein lateral stalk sut	-1.270966763	-1.326953215	842.573914	663.704468	596.691956	8.66340057	8.31843547	8.25644264	15879	16693	14718
6871	NM_001166105,NM_001291918	TADA2A	transcriptional adaptor 2A	-1.046911125	-1.327016482	12.554481	11.590451	8.291209	4.28103662	4.2183652	3.89684777	724	924	671
78995	NM_001171251,NM_001321310	C17orf53	chromosome 17 open reading fra	-1.243878582	-1.327196736	11.823674	9.586735	8.458531	4.99647575	4.69258035	4.60276393	1214	1304	1125
6949	NM_000356,NM_001008657,NM	TCOF1	treacle ribosome biogenesis facto	1.178296943	-1.327232674	48.624395	57.197211	34.378841	7.86901051	8.10478211	7.46260144	9139	14398	8469
84973	NM_003672,NR_024542,NR_02	SNHG7	small nucleolar RNA host gene 7	-1.082261579	-1.327303133	115.330463	103.536653	79.81349	6.97712794	6.86401782	6.57236251	4907	6058	4547
55622	NM_001193509,NM_017735	TTC27	tetratricopeptide repeat domain 2	1.279349575	-1.327471528	10.479611	13.431643	7.422848	4.94491448	5.29008925	4.55144767	1170	2000	1084
9936	NM_001198763,NM_001198764	CD302	CD302 molecule	1.633594903	-1.327583558	2.766527	4.550675	1.961001	3.55131131	4.21095882	3.18215673	421	919	390
23034	NM_001161576,NM_001161577	SAMD4A	sterile alpha motif domain contair	1.461004316	-1.328007563	7.775339	11.451528	5.433295	5.67241926	6.2104504	5.27237862	1963	3832	1818
51326	NM_001113738,NM_001113738	ARL17A	ADP ribosylation factor like GTPa	1.007015611	-1.32806218	17.738402	18.152987	12.440076	5.81108433	5.82099184	5.41014302	2165	2913	2005
961	NM_001777,NM_198793	CD47	CD47 molecule	1.298976846	-1.3282838	22.153782	28.811745	15.675394	6.8522932	7.22680004	6.44681129	4497	7805	4164
4706	NM_005003	NDUFAB1	NADH:ubiquinone oxidoreductas	-1.032211671	-1.328303415	149.832184	145.332932	106.008255	6.6194879	6.57422031	6.21469853	3821	4946	3538
23409	NM_012240	SIRT4	sirtuin 4	1.140985345	-1.328435783	0.863508	0.980803	0.608267	1.01352966	1.11294744	0.82068496	40	61	37
26772	NR_000009	SNORD4B	small nucleolar RNA, C/D box 4B	-1.271572939	-1.328435783	14.001218	10.86298	9.967388	1.01352966	0.84852988	0.82068496	40	42	37
101927322	NM_001289967	LOC101927322	uncharacterized LOC101927322	1.264404815	-1.328653422	0.279443	0.352879	0.195579	0.41264541	0.50527715	0.32020933	13	22	12
101928290	NR_120465	PLBD1-AS1	PLBD1 antisense RNA 1	-5.571956402	-1.328653422	0.579635	0.068448	0.385106	0.41264541	0.08023518	0.32020933	13	3	12
171220	NR_033796	DSTNP2	destrin, actin depolymerizing fact	-1.434710698	-1.328965094	4.099823	2.872668	2.905153	2.44147625	2.03149389	2.11576522	174	162	161
8575	NM_001139517,NM_001139518	PRKRA	protein activator of interferon ind	1.08001979	-1.32905569	28.28105	30.550637	20.075936	5.68747166	5.79645942	5.28622648	1984	2863	1836
11244	NM_001017926,NM_007222,NR	ZHX1	zinc fingers and homeoboxes 1	1.033305176	-1.329120357	9.87184	10.517214	8.264784	5.61808953	5.66441144	5.21722564	1889	2608	1748
54749	NM_001242946,NM_001242948	EPDR1	ependymin related 1	-1.327066845	-1.329159223	11.2194	8.497604	7.377355	4.76875136	4.37766975	4.37550374	1031	1038	954
23481	NM_001243225,NM_001282327	PES1	pescadillo ribosomal biogenesis f	1.542624183	-1.329324429	123.805435	191.18512	87.52808	8.11694812	8.74051061	7.70796038	10660	22384	10048
109703458	NM_001348712,NM_001348713	RPP14	hydroxyacyl-thioester dehydratas	1.359495617	-1.329455143	1.958198	2.635287	1.356147	2.83047153	3.21903935	2.48477392	240	436	222
9088	NM_001258450,NM_001258451	PKMYT1	protein kinase, membrane associ	1.206778382	-1.329560513	36.598241	44.127415	25.813825	6.28821063	6.55621346	5.88331483	3029	4884	2802
7025	NM_005654	NR2F1	nuclear receptor subfamily 2 grou	-1.435515725	-1.329725455	2.423522	1.691884	1.715643	3.29469475	2.83560729	2.9311116	346	322	320
3338	NM_001307980,NM_001307981	DNAJC4	DnaJ heat shock protein family (H	-1.241016865	-1.329844937	13.858584	11.409238	9.756629	4.24466875	3.95132315	3.85822657	705	759	652
378938	NR_002819,NR_144567,NR_14	MALAT1	metastasis associated lung aden	1.214189634	-1.329981603	192.731723	233.940239	135.744972	10.66315628	10.94299352	10.25204271	63623	103216	58837
100506428	NR_038892,NR_038893,NR_03	CBR3-AS1	CBR3 antisense RNA 1	-1.311104763	-1.330028599	3.080813	2.526308	2.177716	2.33625658	2.03149389	2.01587867	159	162	147
6166	NM_001001	RPL36AL	ribosomal protein L36a like	-1.251293481	-1.330059073	484.193024	387.393829	342.103455	8.09292324	7.77082665	7.68317092	10680	11404	9876
161394	NM_001010860	SAMD15	sterile alpha motif domain contair	3.960275392	-1.330530874	0.330456	1.332875	0.2368	0.73313634	1.86027027	0.58209675	26	138	24
6291	NM_006512	SAA4	serum amyloid A4, constitutive	-4.283707525	-1.330530874	1.014354	0.219668	0.694753	0.73313634	0.20477631	0.58209675	26	8	24
151903	NM_001277074,NM_144716,NR	CCDC12	coiled-coil domain containing 12	-1.263130127	-1.33072901	40.25563	31.817022	28.417609	5.12734384	4.80113128	4.72867518	1333	1410	1232
11267	NM_001317192,NM_001317193	SNF8	SNF8, ESCRT-II complex subuni	-1.029911038	-1.330833672	30.543876	29.98154	21.510708	5.28362368	5.24220835	4.88346032	1490	1933	1377
148170	NM_145057	CDC42EP5	CDC42 effector protein 5	-4.74876886	-1.330843767	5.006025	1.042039	3.530503	2.42103729	0.93737891	2.09493548	171	48	158
93099	NM_001035516,NM_001126056	DMKN	dermokine	-1.218543782	-1.331022546	92.706172	78.359602	65.482219	6.64761539	6.36559004	6.2398222	3897	4273	3601
53343	NM_001248011,NM_024047,NM	NUDT9	nudix hydrolase 9	1.039276684	-1.331037946	19.492186	19.223655	13.540713	5.66157057	5.71607575	5.25839655	1948	2705	1800
10899	NM_006694	JTB	jumping translocation breakpoint	-1.148154253	-1.331196915	58.973553	51.431538	41.632179	6.51407431	6.31708818	6.10655391	3549	4130	3279
56898	NM_020139	BDH2	3-hydroxybutyrate dehydrogenas	1.078085751	-1.331285757	6.46208	6.979339	4.56222	4.27725131	4.38031337	3.88880246	722	1040	667
342184	NM_001103184,NM_001277313	FMN1	formin 1	-1.187469364	-1.331534666	1.67098	1.407912	1.179034	4.4162598	4.18094712	4.02533616	799	899	738
56994	NM_020244	CHPT1	choline phosphotransferase 1	-1.971667283	-1.331562857	13.759437	6.989069	9.710286	4.46032739	3.54305919	4.06871313	825	559	762
256586	NM_001143917,NM_153374	LYSMD2	LysM domain containing 2	-1.152079464	-1.331590508	11.543568	10.085262	8.36387	4.27345604	4.08048581	3.88476293	720	835	665
122704	NM_001318870,NM_178336,NM	MRPL52	mitochondrial ribosomal protein L	-1.37047995	-1.331900704	70.186384	50.892507	49.336845	6.28868075	5.84080171	5.88128877	3030	2954	2798
9670	NM_014652	IPO13	importin 13	1.244035355	-1.332004793	5.845631	7.278962	4.122804	4.58038655	4.88356843	4.18661421	900	1496	831
9527	NM_001007024,NM_001007025	GOSR1	golgi SNAP receptor complex me	-1.083740364	-1.332108775	14.647643	13.531223	10.332672	6.23602635	6.12160473	5.82863901	2920	3600	2696

3215	NM_002147	HOXB5	homeobox B5	-3.361616756	-1.332285044	37.952137	11.296767	26.769371	6.09370103	4.39345927	5.68678065	2642	1050	2439
7249	NM_000548,NM_001077183,NM	TSC2	tuberous sclerosis 2	1.122648964	-1.332488392	22.619024	25.438497	15.990286	6.95922521	7.12486834	6.54894104	4846	7269	4473
308	NM_001154	ANXA5	annexin A5	1.551964817	-1.332536815	145.32341	225.79483	102.480904	7.82819903	8.4600415	7.41612709	8883	18420	8199
10884	NM_016640	MRPS30	mitochondrial ribosomal protein S	-1.143775727	-1.333054119	21.019634	18.402809	14.81685	5.13886234	4.95091738	4.73766195	1344	1570	1240
5685	NM_001102667,NM_001102668	PSMA4	proteasome subunit alpha 4	-1.259984986	-1.33319691	219.842442	174.550028	154.287132	8.06972297	7.73770798	7.65661603	10509	11144	9695
716	NM_001346850,NM_001734,NM	C1S	complement C1s	1.018691331	-1.333387843	1.662069	1.700591	1.173724	2.48150547	2.50348775	2.14982678	180	245	166
10342	NM_001007565,NM_001195478	TFG	TRK-fused gene	1.401164954	-1.333578254	113.63527	156.470425	80.463088	7.74379769	8.22850142	7.33073227	8376	15681	7725
80011	NM_024946	FAM192A	family with sequence similarity 19	-1.033684026	-1.33370697	55.596313	53.842651	39.172523	7.27776737	7.23028439	6.86541598	6053	7824	5582
3433	NM_001547	IFIT2	interferon induced protein with te	-3.007084826	-1.333708265	21.829782	7.264418	15.382348	6.23456305	4.68404654	5.82548131	2917	1296	2690
5664	NM_000447,NM_012486	PSEN2	presenilin 2	-1.049054136	-1.33373439	10.230061	9.76567	7.207404	4.57884974	4.5127108	4.18332896	899	1145	829
51747	NM_001330330,NM_006107,NM	LUC7L3	LUC7 like 3 pre-mRNA splicing fa	1.055807416	-1.333789352	145.393453	235.640634	156.993607	9.5503123	9.62855757	9.13542175	29397	41470	27108
102465470	NR_106842	MIR6784	microRNA 6784	-3.154040872	-1.334042294	14.512993	4.504288	10.231913	0.97665845	0.38406669	0.78645063	38	16	35
23613	NM_001281769,NM_001281771	ZMYND8	zinc finger MYND-type containing	-1.002989755	-1.334448104	31.476117	31.58132	22.50939	7.36260538	7.35832465	6.94928267	6422	8555	5919
105747689	NR_131917	LOC105747689	uncharacterized LOC105747689	1.153083598	-1.334547666	4.749431	5.485579	3.34638	3.28718579	3.47295962	2.91931156	344	530	317
9419	NM_014171	CRIPT	CXXC repeat containing interacto	1.032818514	-1.334650589	3.611505	3.732568	2.542701	4.54776468	4.59239547	4.15174023	879	1213	810
8603	NM_001256666,NM_001256667	FAM193A	family with sequence similarity 19	1.066631692	-1.334734652	17.635534	18.868388	12.425103	6.39293236	6.48492454	5.98209824	3260	4646	3004
26815	NR_002448	SNORD36A	small nucleolar RNA, C/D box 36	1.073925078	-1.334925363	105.940208	113.98967	74.551949	3.07682646	3.16793391	2.71606984	292	419	269
100507246	NR_038108,NR_038109,NR_03	SNHG16	small nucleolar RNA host gene 1	-1.367697483	-1.335076473	68.492046	50.127809	48.376959	7.38849588	6.93990061	6.97444749	6539	6388	6024
26127	NM_001171887,NM_001171888	FGFR1OP2	FGFR1 oncogene partner 2	-1.344370179	-1.335139507	16.807993	12.553937	11.458569	5.40480367	4.98952124	4.99914873	1624	1614	1496
81875	NM_001303095	ISG20L2	interferon stimulated exonuclease	1.050355882	-1.33516012	13.522446	14.220207	9.514875	5.20411411	5.27311997	4.80012188	1408	1976	1297
57325	NM_020536,NR_028402	KAT14	lysine acetyltransferase 14	-1.004517359	-1.335216073	4.502167	4.398838	3.13665	4.07189633	4.06578025	3.68321628	621	826	572
124801	NM_152344	LSM12	LSM12 homolog	-1.009492674	-1.335438621	43.446857	43.092445	30.57642	6.72919642	6.71569471	6.31642397	4126	5461	3800
56915	NM_020158	EXOSC5	exosome component 5	-1.202353678	-1.335590272	24.630096	20.490496	17.311184	4.6331688	4.37899217	4.23501577	935	1039	861
113263	NM_138426	GLCCI1	glucocorticoid induced 1	-1.237704268	-1.336095649	5.559446	4.496047	3.911332	4.75248416	4.45744984	4.3522875	1019	1100	938
1775	NM_001301680,NM_001374	DNASE1L2	deoxyribonuclease 1 like 2	1.182168225	-1.336100203	2.713731	3.211421	1.90732	2.17473011	2.36620557	1.86000215	138	218	127
1312	NM_000754,NM_001135161,NM	COMT	catechol-O-methyltransferase	1.236724784	-1.336136068	135.020092	167.239031	93.365928	8.11323709	8.41876667	7.6969154	10832	17899	9971
116143	NM_001256476,NM_138458,NR	WDR92	WD repeat domain 92	1.200668009	-1.336153175	5.70127	7.018087	3.854812	3.68302999	3.9280232	3.30211189	465	746	428
1350	NM_001867	COX7C	cytochrome c oxidase subunit 7C	-1.166425736	-1.336338951	947.664734	813.347534	666.418274	8.55668237	8.33522368	8.13968078	14744	16889	13570
9791	NM_001290225,NM_014754	PTDSS1	phosphatidylserine synthase 1	1.117129801	-1.336503785	33.925323	38.032036	23.876106	6.42022118	6.57825546	6.00739874	3323	4960	3058
100129726	NR_027251	LINC01126	long intergenic non-protein codin	1.334078977	-1.337091897	0.577723	0.780667	0.410605	0.95786335	1.1751656	0.76902392	37	66	34
2029	NM_004436,NM_207042,NM_20	ENSA	endosulfine alpha	-1.317585922	-1.337180217	113.583548	84.181233	72.178015	7.20665867	6.81185167	6.79074481	5760	5841	5298
100272228	NR_027456	LINC00894	long intergenic non-protein codin	1.283661791	-1.337408296	3.775364	4.858885	2.654788	3.66865353	4.00369809	3.28688662	460	789	423
221785	NM_001350979,NM_001350980	ZSCAN25	zinc finger and SCAN domain co	-1.288240634	-1.337471309	4.806614	3.723508	3.36532	4.43166676	4.08535454	4.03448121	808	838	743
129138	NM_001349853,NM_138797,NR	ANKRD54	ankyrin repeat domain 54	1.02248975	-1.337513077	14.1703	14.467929	9.810169	5.00107303	5.03217088	4.5966027	1218	1664	1120
168620	NM_177455	BHLHA15	basic helix-loop-helix family mem	-1.002073241	-1.337516693	0.441733	0.424712	0.288726	0.38477185	0.38406669	0.29607837	12	16	11
90586	NR_002773	AOC4P	amine oxidase, copper containing	1.245204039	-1.337516693	0.14438	0.184292	0.101195	0.38477185	0.46599441	0.29607837	12	20	11
677803	NR_002957	SNORA15	small nucleolar RNA, H/ACA box	1.059749296	-1.337516693	2.27375	2.404784	1.547021	0.38477185	0.40498891	0.29607837	12	17	11
402176	NR_027153	RPL21P44	ribosomal protein L21 pseudogen	-2.633321293	-1.337516693	0.16247	0.065925	0.112042	0.38477185	0.15624221	0.29607837	12	6	11
83444	NM_031288	INO80B	INO80 complex subunit B	1.387161569	-1.337594643	25.759773	35.768749	18.101353	5.02835327	5.48813168	4.62351744	1242	2302	1142
400954	NM_001039753	EML6	echinoderm microtubule associat	-1.220266169	-1.337774062	0.243917	0.20121	0.172269	1.5285023	1.34717796	1.26797492	74	81	68
83544	NM_001201366,NM_031427	DNAL1	dynein axonemal light chain 1	1.104730594	-1.338251831	2.497467	2.75536	1.751151	4.44353723	4.5809496	4.04537929	815	1203	749
7480	NM_003394	WNT10B	Wnt family member 10B	-2.294428776	-1.338326375	0.943043	0.413137	0.665471	1.67378945	0.96581954	1.39836968	86	50	79
64063	NM_022119	PRSS22	protease, serine 22	1.160504904	-1.338382998	71.267899	82.798088	50.038132	6.60257125	6.81527475	6.18708076	3776	5855	3470
4712	NM_001199987,NM_002493,NM	NDUFB6	NADH:ubiquinone oxidoreductas	-1.275592331	-1.338576393	38.150457	29.94907	26.768026	5.0306035	4.69151638	4.62472899	1244	1303	1143
728431	NR_038842	LINC01137	long intergenic non-protein codin	1.176911159	-1.339070574	2.008468	2.370794	1.40488	1.92690094	2.10365798	1.62837236	110	173	101
29954	NM_013382	POMT2	protein O-mannosyltransferase 2	1.213526754	-1.339134372	5.851302	7.113895	4.106764	4.84744471	5.11783013	4.44239165	1991	1769	1002
100129387	NR_024490	GABPB1-AS1	GABPB1 antisense RNA 1	-1.02477562	-1.339355654	4.64481	4.535669	3.255904	4.29981562	4.266316 27	3.90285244	734	957	674
96764	NM_001317902,NM_024831	TGS1	trimethylguanosine synthase 1	1.059893841	-1.33946633	10.87666	11.534501	7.605728	5.65866376	5.74097317	5.24664042	1944	2753	1785
84084	NM_032144	RAB6C	RAB6C, member RAS oncogene	-1.034259291	-1.339618966	0.198357	0.193066	0.13841	0.68823103	0.669904	0.54161868	24	31	22
107984921	NR_147210,NR_147211	LINC01772	long intergenic non-protein codin	-1.186675731	-1.339618966	0.190136	0.157495	0.132883	0.68823103	0.59904473	0.54161868	24	27	22
29880	NM_001142364,NM_013338	ALG5	ALG5, dolichyl-phosphate beta-g	1.116061506	-1.339794559	22.07548	24.703132	15.517008	4.75928446	4.91216578	4.35521005	1024	1527	940
9489	NM_024419,NR_110601,NR_11	PGS1	phosphatidylglycerophosphate sy	-1.123708005	-1.339857459	20.396545	18.095819	14.237107	5.52379552	5.35939179	5.11230382	1767	2101	1622
91828	NM_001077594	EXOC3L4	exocyst complex component 3 lik	-1.867109282	-1.339882139	1.593246	0.858645	1.118042	2.32896139	1.65726059	2.0010274	158	113	145
285148	NM_001039613,NM_001320858	IAH1	isoamyl acetate-hydrolyzing este	-1.238485733	-1.339988021	51.213575	41.383962	35.904427	5.77194243	5.46963104	5.35864561	2106	2272	1933
92104	NM_152275	TTC30A	tetratricopeptide repeat domain 3	1.455647613	-1.34010591	1.83458	2.676198	1.285384	3.22566415	3.71835988	2.85469418	328	638	301
441108	NR_045116	C5orf56	chromosome 5 open reading fram	-1.036318028	-1.340317516	3.911723	3.775792	2.747541	2.02927762	1.99055518	1.72191206	121	156	111
8820	NM_003865	HESX1	HESX homeobox 1	1.163744611	-1.340325555	0.784796	0.924216	0.554231	0.93882015	1.04792463	0.75138414	36	56	33
79175	NM_001282495,NM_001282496	ZNF343	zinc finger protein 343	1.395338455	-1.340450479	6.504311	9.04116	4.49493	4.55716073	5.02035552	4.15509812	885	1650	812
23379	NM_015325	ICE1	interactor of little elongation comp	-1.183805596	-1.340676662	7.648035	6.466661	5.360674	5.91156827	5.67252269	5.49672576	2324	2623	2132
55593	NM_001136157,NM_001136158	OTUD5	OTU deubiquitinase 5	-1.633247104	-1.340797814	11.452574	6.981758	8.074161	4.99070847	4.31134011	4.58295467	1209	989	1109
284402	NM_001025591	SCGB2B2	secretoglobin family 2B member	-1.128857982	-1.340892947	0.480684	0.425374	0.335803	1.33818353	1.23481109	1.09694451	71	55	55
8930	NM_001276270,NM_001276271	MBD4	methyl-CpG binding domain 4, D	1.345983379	-1.340941266	29.914293	28.135419	14.625048	5.71920749	5.30524173	5.14083071	2029	3649	1861
10650	NM_001142405,NM_001142406	PRELID3A	PRELI domain containing 3A	-1.130502664	-1.341062931	3.792447	3.368339	2.648891	2.89611494	2.74415527	2.53718654	253	299	232
22880	NM_001303256,NM_001303257	MORC2	MORC family CW-type zinc finge	-1.34299615	-1.341173189	31.103738	22.718962	21.546531	7.32253272	6.90015728	6.90210015	6245	6213	5727
64073	NM_001317801,NM_033520	C19orf33	chromosome 19 open reading fra	-1.364448125	-1.34119062	557.597969	407.905045	389.64666	8.02146529	7.57516434	7.59983874	10162	9951	9319
9189	NM_001171135_chrX,NM_0011	ZBED1	zinc finger BED-type containing 1	1.159978284	-1.341462234	1.040885	1.189122	0.724779	2.48150547	2.65962865	2.1430785	180	279	165
121274	NM_001172681,NM_001172682	ZNF641	zinc finger protein 641	1.021895875	-1.341637782	2.741503	2.907038	1.957386	3.6915876	3.72044785	3.30513776	468	639	429
131870	NM_001171905,NM_001171906	NUDT16	nudix hydrolase 16	1.197557731	-1.341663147	11.05176	11.985906	7.425972	5.73585207	5.99148667	5.32102311	2053	3285	1882
5427	NM_001197330,NM_001197331	POLE2	DNA polymerase epsilon 2, acce	1.076738655	-1.341816841	14.461353	15.558878	10.251945	4.75248416	4.85534316	4.34642459	1019	1466	934
84164	NM_001242906,NM_032204	ASCC2	activating signal cointegrator 1 co	-1.04394827	-1.341824796	23.104315	22.32938	16.190505	6.01178506	5.95071445	5.59518964	2494	3192	2286
11073	NM_007027	TOPBP1	topoisomerase (DNA) II binding p	1.296435562	-1.341972396	25.434935	33.011097	17.810362	7.05960209	7.43168434	6.63893022	5198	9004	4764
114785	NM_052897	MBD6	methyl-CpG binding domain prot	1.040142068	-1.342800747	16.493368	17.17577	11.541666	6.08018627	6.13614594	5.66221147	2617	3637	2397
10817	NM_006653	FRS3	fibroblast growth factor receptor s	-1.471800914	-1.34301136	2.981599	2.025456	2.08598	2.87623322	2.40826098	2.51644942	249	226	228
57037	NM_020319	ANKMY2	ankyrin repeat and MYND domai	-1.533278659	-1.343143504	16.629349	10.857438	11.637738	5.4056708	4.8070381	4.99165559	1625	1416	1488
57186	NM_020343	RALGAPA2	Ral GTPase activating protein ca	1.01155529	-1.343247116	5.328057	5.394679	3.727787	5.6410988	5.6573446	5.22523491	1920	2595	1758
1180	NM_000083,NR_046453	CLCN1	chloride voltage-gated channel 1	-1.567913691	-1.343247178	0.391914	0.252961	0.272991	1.13562816	0.81765451	0.91876801	47	40	43
89941	NM_138769	RHOT2	ras homolog family member T2	1.095559569	-1.343306265	62.549945	68.603027	43.75563	7.28367545	7.41453773	6.86105334	6078	8897	5565
120103	NM_001286139,NM_152313	SLC39A4	solute carrier family 39 member 4	1.066782497	-1.343322118	1.536604	1.645165	1.077095	3.32800968	3.41225421	2.95056637	355	506	325
114932	NM_203462	MRFAP1L1	Morf4 family associated protein 1	-1.039057949	-1.343322824	64.467957	62.116096	45.097603	6.65638502	6.60166589	6.23546693	3921	5042	3590
22897	NM_001271933,NM_014956	CEP164	centrosomal protein 164	-1.257425964	-1.343601977	11.909955	9.403159	8.269314	6.03830635	5.71345739	5.61970202	2541	2700	2326
171568	NM_001018050,NM_001018052	POLR3H	RNA polymerase III subunit H	1.897022361	-1.343671525	5.262928	9.79318	3.562352	4.52080535	5.41459724	4.11600233	862	2185	789
51209	NM_016370,NR_146558,NR_14	RAB9B	RAB9B, member RAS oncogene	1.985683453	-1.34376045	0.239505	0.477863	0.167352	0.91952222	1.47139626	0.73352601	35	93	32
4725	NM_001184979,NM_004552	NDUFS5	NADH:ubiquinone oxidoreductas	-1.237503978	-1.344144617	251.997528	203.831024	176.135223	7.1363099	6.83130363	6.71313634	5484	5921	5018
5201	NM_002622	PFDN1	prefoldin subunit 1	1.016429812	-1.344226554	140.805161	143.287903	98.435524	7.51201023	7.53539341	7.08794429	7127	9679	6521
5464	NM_021129	PPA1	pyrophosphatase (inorganic) 1	-1.764340277	-1.344244763	144.110321	81.777023	100.743828	7.52124125	6.70808631	7.09713864	7173	5432	6563
6277	NM_014624	S100A6	S100 calcium binding protein A6	-1.39541998	-1.344323125	4966.536133	3563.092773	3471.743896	11.68984962	11.20932242	11.2631196	129663	124153	118630
100506469	NR_038396	TMEM147-AS1	TMEM147 antisense RNA 1	1.052047673	-1.344369433	7.920229	8.34095	5.534343	3.76099332	3.82893354	3.37014999	493	693	451
861	NM_001001890,NM_001122607	RUNX1	runt related transcription factor 1	-1.043541322	-1.34445818	24.88361	23.914098	17.611632	7.1357874	7.07474505	6.71228179	5482	7019	5015
84259	NM_001318739,NM_001318740	DCUN1D5	defective in cullin neddylation 1 d	-1.33908102	-1.344580378	3.685723	2.746977	2.571623	5.54520135	5.13436815	5.12862225	1794	1790	1641
130872	NM_001321300,NM_001321301	AHSA2	activator of HSP90 ATPase hom	-1.112237599	-1.344587801	89.351148	80.155242	59.980908	8.23312507	8.08019664	7.80760763	11774	14144	10770
9736	NM_014709	USP34	ubiquitin specific peptidase 34	-1.019062806	-1.344706473	18.01922	17.703032	12.592357	7.63985006	7.6127446	7.21504295	7791	10215	7126
9495	NM_004857	AKAP5	A-kinase anchoring protein 5	1.154569899	-1.344746551	0.422214	0.487178	0.295689	1.87753473	2.03149389	1.57922529	105	162	96
100129583	NM_001136570,NM_001242936	FAM47E	family with sequence similarity 47	1.170688524	-1.344807926	0.359959	0.419534	0.245795	0.66524311	0.75384785	0.52094563	23	36	21
51035	NM_001286077,NM_001286078	UBXN1	UBX domain protein 1	1.056428786	-1.345017797	78.65196	82.116357	54.723211	6.53878911	6.61715782	6.11649229	3611	5097	3302
151194	NM_001127395,NM_001308021	METTL21A	methyltransferase like 21A	1.053010619	-1.345115777	15.122841	16.044771	10.177026	4.32386849	4.39476729	3.92071794	747	1051	683
6046	NM_001113182,NM_001199455	BRD2	bromodomain containing 2	-1.056629616	-1.345208176	62.444205	59.380463	43.734363	8.20873938	8.12954499	7.78258751	11576	14638	10584
112812	NM_001031734	FDX1L	ferredoxin 1 like	-1.049801005	-1.345366374	18.342838	17.496496	12.825526	4.01166006	3.94597954	3.614139	594	756	543
2123	NM_001003927,NM_014210	EVI2A	ecotropic viral integration site 2A	1.283690484	-1.34551746	1.054598	1.355755	0.737465	1.98354948	2.2611178	1.67590018	116	199	106
100422558	NR_135312	SMG1P6	SMG1P6, nonsense mediated m	-1.010781149	-1.345526934	3.395791	3.361305	2.369643	3.50674676	3.49264009	3.12165574	407	538	372

3251	NM_000194	HPRT1	hypoxanthine phosphoribosyltran	1.075886216	-1.345544023	61.098652	65.805283	42.666275	6.4124769	6.51681057	5.99011117	3305	4751	3021
64427	NM_022492,NR_027749	TTC31	tetratricopeptide repeat domain 3	1.051528011	-1.345853541	20.2336	21.395899	14.232677	5.8669311	5.93820981	5.44690975	2252	3164	2058
101059918	NM_001282484	GOLGA8R	golgin A8 family member R	1.025615471	-1.345958199	0.818466	0.839055	0.569064	2.3579234	2.38738651	2.02324736	162	222	148
84844	NM_032758	PHF5A	PHD finger protein 5A	-1.148728538	-1.346056143	41.551914	36.221397	28.997433	5.46261236	5.26741889	5.04511918	1692	1968	1546
27085	NM_022045	MTBP	MDM2 binding protein	1.245150251	-1.346092197	17.078915	21.291342	11.92342	5.71011084	6.02100942	5.29081305	2016	3354	1842
150381	NR_027034	PRR34-AS1	PRR34 antisense RNA 1	-1.287195685	-1.346096486	2.956025	2.301248	2.062676	2.51403512	2.2203867	2.16988427	185	192	169
100874091	NR_046650,NR_109809,NR_10	TM4SF1-AS1	TM4SF1 antisense RNA 1	-3.136704124	-1.346155612	4.315487	1.350885	2.928566	2.0823043	1.02107213	1.76650173	127	54	116
29128	NM_001048201,NM_001290050	UHRF1	ubiquitin like with PHD and ring fi	1.124394639	-1.346305149	39.357991	44.463944	27.695242	7.26611686	7.4342309	6.84034427	6004	9020	5485
653857	NM_001164458,NM_001164459	ACTR3C	ARP3 actin related protein 3 hom	-1.170174988	-1.346361227	3.048214	2.464308	1.676873	2.90104285	2.70672986	2.53718654	254	290	232
60686	NM_001130706,NM_001130708	C14orf93	chromosome 14 open reading fra	-1.072829108	-1.34649844	9.04135	8.797906	6.50552	4.35113248	4.25483728	3.94613924	762	949	696
219285	NM_001303496,NM_001303497	SAMD9L	sterile alpha motif domain contair	-2.433182311	-1.346906873	10.078603	4.088603	6.793156	6.09692582	4.84389659	5.67454836	2648	1454	2418
22993	NM_014983	HMGXB3	HMG-box containing 3	1.002226146	-1.346917812	23.786758	23.86837	16.596239	6.97975062	6.98293338	6.55403746	4916	6583	4489
10297	NM_001351273,NM_005883	APC2	APC2, WNT signaling pathway re	1.273138799	-1.34727742	0.145906	0.186008	0.100561	1.29387258	1.51053416	1.05442063	57	97	52
730183	NM_001256932,NR_144637	LOC730183	uncharacterized LOC730183	1.034491998	-1.347415669	1.638013	1.637225	1.031991	0.89996265	0.92294555	0.71544405	34	47	31
3017	NM_021063,NM_138720	HIST1H2BD	histone cluster 1 H2B family mem	1.149935379	-1.347473608	48.038745	54.685252	33.691059	5.26176079	5.45841569	4.84447416	1467	2254	1339
55508	NM_018656	SLC35E3	solute carrier family 35 member E	1.136202843	-1.34762561	1.520903	1.729148	1.058451	2.16656821	2.31185141	1.84344662	137	208	125
91768	NM_001100619,NM_001256438	CABLES1	Cdk5 and Abl enzyme substrate	-2.268851739	-1.347787236	7.58654	3.347011	5.301756	5.24732179	4.1126379	4.82984105	1452	855	1325
55776	NM_001304793,NM_018322	SAYSD1	SAYSVFN motif domain containir	-1.194830992	-1.347980933	5.483746	5.167888	4.49106	4.27155466	4.02918937	3.86644371	719	804	656
8794	NM_003841	TNFRSF10C	TNF receptor superfamily membe	1.829001325	-1.348128508	0.177147	0.346675	0.129419	0.35634914	0.59904473	0.27153692	11	27	10
2887	NM_001001549,NM_001001550	GRB10	growth factor receptor bound pro	1.829001325	-1.348128508	0.049594	0.097305	0.036763	0.35634914	0.59904473	0.27153692	11	27	10
8352	NM_003531	HIST1H3C	histone cluster 1 H3 family memt	-2.415817531	-1.348128508	0.619623	0.213525	0.409604	0.35634914	0.15624221	0.27153692	11	6	10
101929567	NR_110257	LINC01814	long intergenic non-protein codin	-3.582038262	-1.348128508	0.031427	0.006653	0.021177	0.35634914	0.10601836	0.27153692	11	4	10
102465537	NR_106951,NR_106951_dup1	MIR6891	microRNA 6891	-1.222132031	-1.348128508	3.077633	2.504199	2.034364	0.35634914	0.29720487	0.27153692	11	12	10
6434	NM_001243879,NM_004593	TRA2B	transformer 2 beta homolog	1.473284697	-1.348174161	39.707378	58.602312	27.627518	7.3746126	7.93086102	6.94662078	6476	12748	5908
5687	NM_001282232,NM_001282233	PSMA6	proteasome subunit alpha 6	-1.055932874	-1.348229932	225.42873	211.372973	154.290689	7.84571712	7.76754878	7.41682664	8992	11378	8203
55374	NM_001300980,NM_001300982	TMCO6	transmembrane and coiled-coil d	-1.063315667	-1.348586063	15.161089	14.105812	10.303078	4.81778406	4.7324405	4.40400834	1068	1342	974
57820	NM_021178,NM_182849,NM_18	CCNB1IP1	cyclin B1 interacting protein 1	-1.085674764	-1.348695086	29.187878	26.927353	20.308229	5.44331753	5.32755573	5.02323609	1669	2054	1522
23386	NM_015332	NUDCD3	NudC domain containing 3	-1.280836225	-1.348738412	17.876663	13.970116	12.452673	6.4360106	6.08358375	6.01018272	3360	3505	3064
100996301	NR_121634,NR_121635,NR_12	FOXD3-AS1	FOXD3 antisense RNA 1 (head t	1.329765911	-1.34875606	1.919354	2.101586	1.195341	1.10178443	1.33632702	0.88680889	45	80	41
56895	NM_020133	AGPAT4	1-acylglycerol-3-phosphate O-ac	1.093183576	-1.348943519	1.726844	1.891995	1.205004	3.83495865	3.95487459	3.43788301	521	761	475
9978	NM_014248	RBX1	ring-box 1	-1.333619019	-1.349139151	62.082363	46.581211	43.239864	5.80123322	5.39446891	5.37817319	2150	2154	1960
139341	NM_173794	FUNDC1	FUN14 domain containing 1	1.108566726	-1.349624009	23.173439	25.732	16.13574	4.77681668	4.92036316	4.36249061	1037	1536	945
157247	NM_046216	MGC27345	uncharacterized protein MGC273	-1.524966514	-1.349899781	1.77971	1.168681	1.238199	4.20736034	3.63890054	3.80150191	686	601	625
6224	NM_001023,NM_001146227	RPS20	ribosomal protein S20	-1.353495208	-1.349909608	936.600876	729.130741	667.947098	9.65570996	9.21965058	9.22347108	31628	31222	28817
388591	NM_207396	RNF207	ring finger protein 207	-1.095594517	-1.349973965	30.818396	28.158167	21.450954	6.90873898	6.77816926	6.47999149	4678	5705	4262
51514	NM_001286229,NM_001286230	DTL	denticleless E3 ubiquitin protein l	1.177423818	-1.349975909	17.536093	21.035019	12.247294	6.31245614	6.54535937	5.8858434	3081	4847	2807
8216	NM_006767	LZTR1	leucine zipper like transcription re	1.436157934	-1.350022596	28.550186	41.056332	19.875805	6.9184926	7.43709041	6.48966556	4710	9038	4291
54556	NM_019071,NM_198267	ING3	inhibitor of growth family membe	-1.275742829	-1.350131998	8.741968	6.643028	5.024764	3.90776647	3.58262222	3.50784068	550	576	501
26115	NM_025185	TANC2	tetratricopeptide repeat, ankyrin r	-1.121315027	-1.350169691	7.124559	6.361748	4.959299	6.36645416	6.20337644	5.93940598	3200	3813	2915
144501	NM_001081492,NM_182507	KRT80	keratin 80	-1.656466727	-1.350221116	36.814592	22.283297	25.638347	7.12871504	6.40733916	6.699115	5455	4400	4969
11052	NM_001300947,NM_007007	CPSF6	cleavage and polyadenylation sp	1.027949893	-1.350267477	25.088602	25.833986	17.467434	7.34914576	7.38867575	6.91898766	6362	8738	5795
54434	NM_001161330,NM_001161331	SSH1	slingshot protein phosphatase 1	-1.085787827	-1.350426238	5.685641	5.163953	4.314011	5.50853947	5.39250602	5.08615607	1748	2151	1592
283050	NR_015429,NR_024429,NR_02	ZMIZ1-AS1	ZMIZ1 antisense RNA 1	-3.230638216	-1.35051223	0.229958	0.072198	0.161303	0.64188297	0.2284445	0.49997203	22	9	20
2956	NM_000179,NM_001281492,NM	MSH6	mutS homolog 6	1.38815606	-1.350550317	29.106855	40.475073	20.276933	6.94318936	7.41308616	6.51373418	4792	8888	4364
26048	NM_001303450,NM_021646	ZNF500	zinc finger protein 500	1.166854422	-1.350787961	3.567831	4.63132	2.843758	4.38670105	4.59921966	3.97682431	782	1219	712
10131	NM_001272049,NM_016292	TNFRSF1	TNF receptor associated protein	1.037867929	-1.350881195	83.795685	87.036285	58.239826	7.55602448	7.60558837	7.12480346	7349	10191	6691
5689	NM_002793	PSMB1	proteasome subunit beta 1	-1.129707504	-1.351401442	223.102005	197.718735	155.140884	7.64536688	7.4703494	7.21343331	7821	9250	7118
5879	NM_006908,NM_018890	RAC1	ras-related C3 botulinum toxin su	-1.225041699	-1.351499717	184.879965	150.559658	128.12932	8.7261816	8.4341151	8.29281393	16587	18091	15095
23421	NM_001206739,NM_001347145	ITGB3BP	integrin subunit beta 3 binding pr	-1.239399355	-1.351570706	34.285254	27.703853	23.766736	5.12734384	4.82752356	4.70710452	1333	1437	1213
9654	NM_014640	TTLL4	tubulin tyrosine ligase like 4	1.034397665	-1.3516072	11.453374	11.864047	7.961896	5.8260599	5.87400722	5.40027255	2188	3024	1991
1299	NM_001853	COL9A3	collagen type IX alpha 3 chain	-1.270308683	-1.351712574	1.624351	1.283239	1.128568	2.30685184	2.03820547	1.97085819	155	163	141
1662	NM_004398	DDX10	DEAD-box helicase 10	-1.00745003	-1.351935585	12.425344	12.349211	8.634878	5.34005262	5.32960894	4.91747151	1551	2057	1411
10162	NM_005768	LPCAT3	lysophosphatidylcholine acyltrans	-1.091097871	-1.352040899	31.900936	29.262892	22.167484	6.1768129	6.05284297	5.74865753	2801	3430	2548
100188893	NM_001134493	TOMM6	translocase of outer mitochondria	-1.368810551	-1.352206774	65.367249	47.797104	45.40683	5.79065071	5.34728212	5.36445917	2134	2083	1941
79683	NM_024630,NM_153746	ZDHHC14	zinc finger DHHC-type containing	-1.26544278	-1.352271473	2.707315	2.14539	1.883332	3.05488459	2.76048215	2.67922768	287	303	261
57209	NM_001267597,NM_001267605	ZNF248	zinc finger protein 248	-2.292314535	-1.352272816	5.460232	2.321143	4.162569	4.58957318	3.46799726	4.17508296	906	528	824
84364	NM_001242832,NM_032389	ARFGAP2	ADP ribosylation factor GTPase a	-1.376440589	-1.35241022	32.490448	23.630289	22.608282	6.59422814	6.13888057	6.16393291	3754	3644	3414
1666	NM_001330575,NM_001359	DECR1	2,4-dienoyl-CoA reductase 1	-1.436849904	-1.352498336	67.408303	46.2471	46.778087	6.39555365	5.88009069	5.96593761	3266	3037	2970
643650	NR_033957	LINC00842	long intergenic non-protein codin	-1.345944171	-1.352523745	1.193962	0.889528	0.832211	2.12505137	1.80624674	1.80120704	132	131	120
9913	NM_001282729,NM_001282730	SUPT7L	SPT7 like, STAGA complex gam	1.088865633	-1.352770003	21.544619	23.260076	14.794563	6.5904198	6.7120267	6.15976	3744	5447	3404
149013	NM_001278141	NBPF12	NBPF member 12	-1.108299062	-1.352823059	1.859671	1.680124	1.292021	3.79580649	3.65683507	3.39592396	506	610	460
644	NM_000712,NM_001253823	BLVRA	biliverdin reductase A	-1.988458977	-1.352967754	50.473649	25.384913	34.956069	5.67790176	4.80211744	5.34106306	2100	1411	1909
10922	NM_001258461,NM_006712,NM	FASTK	Fas activated serine/threonine kii	-1.374794083	-1.353188079	48.836556	35.887505	33.878911	6.47247005	6.01931435	6.04181814	3447	3350	3133
100131067	NR_034121,NR_034122,NR_03	CKMT2-AS1	CKMT2 antisense RNA 1	1.313690301	-1.353258715	7.50964	8.741241	5.355758	4.15055879	4.52470876	3.74245532	658	1155	598
6176	NM_001003,NM_213725	RPLP1	ribosomal protein lateral stalk sut	-1.351118444	-1.353637947	2040.404942	1512.125174	1416.368761	9.98763284	9.55397618	9.55129192	39820	39378	36181
414236	NM_001001791	C10orf55	chromosome 10 open reading fra	-1.233931257	-1.35367857	1.131881	0.917382	0.78172	1.91699278	1.70021226	1.60891398	109	118	99
118491	NM_001350933,NM_001350934	CFAP70	cilia and flagella associated prote	1.105382282	-1.35367857	0.770655	0.8474	0.526989	1.91699278	2.02475093	1.60891398	109	161	99
201134	NM_001037325,NM_001199165	CEP112	centrosomal protein 112	1.216109616	-1.353833396	1.818536	2.215488	1.352129	2.83047153	3.07634485	2.46326383	240	390	218
102723753	NR_135178	LOC102723753	HECT and RLD domain containir	1.058892834	-1.353876856	1.353513	1.437746	0.940569	2.77249458	2.84329233	2.40804223	229	324	208
11146	NM_001319683,NM_053274,NR	GLMN	glomulin, FKBP associated prote	-1.131160608	-1.354140112	10.984915	9.730531	7.690667	4.50146728	4.33197089	4.08640889	850	1004	772
55862	NM_001002030,NM_001105544	ECHDC1	ethylmalonyl-CoA decarboxylase	1.073176743	-1.354150644	14.572592	15.619448	10.08464	5.07706542	5.17604388	4.65469164	1286	1844	1168
255758	NM_001351628,NM_152773	TCTEX1D2	Tctex1 domain containing 2	1.018645853	-1.354794353	29.641476	30.256161	20.567143	4.36546531	4.39083965	3.95194263	770	1048	699
90378	NM_138352	SAMD1	sterile alpha motif domain contair	-1.113881476	-1.354819142	26.473507	23.794178	18.366091	5.73378197	5.5812619	5.30524173	2050	2459	1861
101930114	NR_134509,NR_134510,NR_13	LOC101930114	uncharacterized LOC101930114	-1.007932057	-1.354827965	2.853253	2.664887	1.808065	1.06712766	1.06116576	0.85412573	43	57	39
3233	NM_014621	HOXD4	homeobox D4	-1.275862604	-1.354827965	0.850462	0.678633	0.590602	1.06712766	0.89363826	0.85412573	43	45	39
80757	NM_001331238,NM_025268	TMEM121	transmembrane protein 121	-1.248212407	-1.354827965	0.605528	0.493903	0.427093	1.06712766	0.90836632	0.85412573	43	46	39
138311	NM_152421	FAM69B	family with sequence similarity 69	1.872723721	-1.355165694	4.476046	8.400539	3.108206	3.4839374	4.32788827	3.09042841	400	1001	363
3841	NM_002269	KPNA5	karyopherin subunit alpha 5	-1.10294901	-1.355445651	2.343446	2.130064	1.622204	2.57080169	2.45415268	2.21562831	194	235	176
5439	NM_006234	POLR2J	RNA polymerase II subunit J	-1.686414583	-1.355454054	51.212589	30.395075	35.498066	5.63445641	4.90024229	5.20593745	1911	1514	1734
5496	NM_177983	PPM1G	protein phosphatase, Mg2+/Mn2+	1.191925557	-1.355544262	107.55307	128.33287	74.555885	7.91921234	8.17154906	7.4824516	9464	15072	8587
5898	NM_005402	RALA	RAS like proto-oncogene A	-1.301592791	-1.355703631	17.552509	13.502504	12.165332	5.61584323	5.2443866	5.18719863	1886	1936	1711
27429	NM_001321727,NM_001321728	HTRA2	HtrA serine peptidase 2	1.250526074	-1.355743505	12.588981	15.467201	8.521042	4.96269999	5.27596208	4.53993458	1185	1980	1075
441191	NR_015449,NR_023384,NR_02	RNF216P1	ring finger protein 216 pseudoge	-1.590478267	-1.355756928	7.863516	4.860762	5.466336	4.2349439	3.60990992	3.82277197	700	588	635
5691	NM_002795,NR_104194,NR_10	PSMB3	proteasome subunit beta 3	-1.345864574	-1.355882565	342.628333	255.289809	237.666982	8.04864377	7.62198867	7.6113438	10356	10281	9394
5546	NM_005973	PRCC	papillary renal cell carcinoma (tra	1.032041569	-1.355957965	32.869995	33.964348	22.77812	6.10762335	6.15247651	5.67571782	2668	3679	2420
9481	NM_001204051,NM_001204052	SLC25A27	solute carrier family 25 member 2	-1.037854603	-1.356247436	4.822601	4.542673	3.371178	3.81942505	3.76967342	3.4156568	515	663	467
7582	NM_001305033,NM_001305035	ZNF33B	zinc finger protein 33B	-1.519558332	-1.356420544	6.021015	3.941927	4.371201	5.17897521	4.5958116	4.75325534	1383	1216	1254
55339	NM_001006622,NM_001006623	WDR33	WD repeat domain 33	1.22529621	-1.356453148	21.242219	25.990128	14.712403	6.60973804	6.90015728	6.17513986	3795	6213	3441
10059	NM_001278463,NM_001278464	DNM1L	dynamin 1 like	-1.248590612	-1.356961183	24.646714	19.732972	17.05929	6.78624267	6.46917901	6.35050828	4294	4595	3892
3112	NM_002120	HLA-DOB	major histocompatibility complex,	1.190326151	-1.357119375	2.8349	3.378992	1.961871	2.26158951	2.46415559	1.92438744	149	237	135
115286	NM_001164796,NM_001350991	SLC25A26	solute carrier family 25 member 2	-1.013461464	-1.357139193	2.388898	3.183906	2.272425	2.85607368	2.83945493	2.48477392	245	323	222
1877	NM_001288776,NM_001288778	E4F1	E4F transcription factor 1	1.009304354	-1.357284455	23.575666	23.814953	16.306032	5.94952407	5.96267072	5.51709398	2387	3219	2163
25799	NM_014347	ZNF324	zinc finger protein 324	1.418074357	-1.357362467	3.616829	5.137824	2.503165	3.63059014	4.09986292	2.23070557	447	847	405
23279	NM_001318399,NM_015231,NR	NUP160	nucleoporin 160	-1.193221757	-1.357485432	22.996372	19.277991	15.837241	6.87720179	6.6247025	6.44063314	4576	5124	4146
58515	NM_021237	SELENOK	selenoprotein K	-1.222353483	-1.357593011	23.379267	19.142775	16.187666	4.69547851	4.4181112	4.27414582	978	1069	886
9861	NM_001271779,NM_001271780	PSMD6	proteasome 26S subunit, non-AT	-1.064466944	-1.358045869	59.950404	56.396727	41.10715	6.458331	6.36925428	6.02264454	3413	4284	3091
6610	NM_003080	SMPD2	sphingomyelin phosphodiesteras	-1.129924688	-1.35825167	4.595492	4.080147	3.178297	3.09414281	2.93964205	2.71151569	296	350	268
643072	NR_110587,NR_110588	LOC643072	uncharacterized LOC643072	1.1289847	-1.358315106	1.231435	1.389188	0.854305	1.98354948	2.11639955	1.66651905	116	175	105
100288637	NR_038253,NR_038254,NR_03	LOC100288637	OTU deubiquitinase 7A pseudog	-1.068893874	-1.35857338	8.975071	8.389917	6.18973	5.67313961	5.57896229	5.24112127	1964	2455	1778

5876	NM_004582,NR_073562	RABGGTB	Rab geranylgeranyltransferase b	-1.357725117	-1.358660055	85.274765	63.669813	59.833399	7.08120152	6.64380598	6.64282229	5277	5193	4777
5213	NM_000289,NM_001166686,NM	PFKM	phosphofructokinase, muscle	1.010513615	-1.358696711	28.704323	28.330544	19.798019	6.50398764	6.51891146	6.06743846	3524	4758	3190
84034	NM_032048	EMILIN2	elastin microfibril interfacer 2	-1.423571462	-1.358711902	2.543036	1.785311	1.759991	3.45071403	2.99588686	3.0549154	390	366	353
9311	NM_004769,NM_020321,NM_02	ASIC3	acid sensing ion channel subunit	-1.75892634	-1.358834147	5.48463	3.181106	3.782475	3.70855202	2.97505117	3.30513776	474	360	429
8883	NM_001018159,NM_001018160	NAE1	NEDD8 activating enzyme E1 su	-1.094586993	-1.358836512	61.322411	56.051636	42.370522	6.77789519	6.64874818	6.34021978	4269	5211	3864
3897	NM_000425,NM_001143963,NM	L1CAM	L1 cell adhesion molecule	-1.334072151	-1.358896556	3.518615	2.643134	2.371084	4.18329013	3.79367035	3.76899703	674	675	610
24140	NM_001282157,NM_012280,NM	FTSJ1	FtsJ RNA methyltransferase hom	-1.315169929	-1.358970193	24.190244	18.42435	16.77905	5.66157057	5.27525207	5.22922293	1948	1979	1763
160428	NM_001034173,NR_027752	ALDH1L2	aldehyde dehydrogenase 1 famil	-2.029585851	-1.359165203	0.80129	0.393425	0.551891	2.78321062	1.96260273	2.41366048	231	152	209
1819	NM_001330144,NM_001388	DRG2	developmentally regulated GTP b	1.046815939	-1.359283129	13.897088	14.571815	9.612463	4.80863452	4.8723445	4.38411441	1061	1484	960
51143	NM_001329135,NM_016141	DYNC1LI1	dynein cytoplasmic 1 light interm	1.00363972	-1.359316882	15.520611	15.540838	10.689245	5.27510805	5.28021477	4.84551373	1481	1986	1340
163131	NM_001005851	ZNF780B	zinc finger protein 780B	1.010162139	-1.359320674	2.028801	2.051232	1.401486	4.17923909	4.19302682	3.76460718	672	907	608
5901	NM_001300796,NM_001300797	RAN	RAN, member RAS oncogene fa	-1.174054594	-1.359335339	273.463745	232.365122	188.41299	9.40160691	9.17047763	8.95946961	26514	30174	23990
201254	NM_001271006,NM_001271007	CENPX	centromere protein X	-1.414348586	-1.359532482	96.120119	70.117128	66.572066	6.21342436	5.72129826	5.77726713	2874	2715	2600
100124516	NR_003701	SNORD58C	small nucleolar RNA, C/D box 58	-1.583202906	-1.359547893	33.396637	20.942896	23.093153	1.97422731	1.51053416	1.65707652	115	97	104
10190	NM_005783	TXNDC9	thioredoxin domain containing 9	1.245008455	-1.359712952	40.40239	22.395576	5.62331734	5.93371747	5.19047509	5.1906804	1896	3154	1715
126526	NM_001256440,NM_001256441	C19orf47	chromosome 19 open reading fra	1.115930758	-1.359747591	8.346721	9.247521	5.764804	4.17517665	4.32512669	3.76020394	670	999	606
11138	NM_001102426,NM_001330348	TBC1D8	TBC1 domain family member 8	1.005254911	-1.360006243	18.592528	18.741326	12.808063	6.2697553	6.27721921	5.83283856	2990	4016	2704
83886	NM_001318395,NM_031948	PRSS27	protease, serine 27	-1.304172513	-1.360465666	1.61596	1.11746	1.04764	1.63881618	1.38978355	1.35230545	83	85	75
22890	NM_001123329,NM_014950	ZBTB1	zinc finger and BTB domain cont	1.065766757	-1.360607091	22.536014	23.949622	15.587992	6.42835084	6.51921133	5.99011117	3342	4759	3021
5361	NM_032242	PLXNA1	plexin A1	1.988942554	-1.360708198	25.669758	51.113766	17.726627	7.83029955	8.81915445	7.38822003	8896	23641	8041
51363	NM_001270764,NM_001270765	CHST15	carbohydrate sulfotransferase 15	1.320082158	-1.360880243	8.364846	11.225231	5.699042	5.25984392	5.65133781	4.82879013	1465	2584	1324
79172	NM_001199803,NM_001322101	CENPO	centromere protein O	1.109947812	-1.360983186	12.033276	13.316778	8.260165	5.70166273	5.84941354	5.26695724	2004	2972	1811
56888	NM_020122	KCMF1	potassium channel modulatory fa	1.052336557	-1.360987271	16.939688	17.845446	11.695913	6.97245359	7.04547986	6.5319294	4891	6877	4420
105371038	NR_135177	LOC105371038	uncharacterized LOC105371038	2.528321798	-1.361062919	0.491348	1.288706	0.323742	0.3273552	0.72085408	0.24657076	10	34	9
101927258	NR_121120,NR_121180,NR_12	LINC01474	long intergenic non-protein codin	-1.890555353	-1.361062919	0.407067	0.198841	0.283426	0.3273552	0.18071335	0.24657076	10	7	9
54953	NM_001164245,NM_001164246	C1orf27	chromosome 1 open reading fran	-1.194191205	-1.361301443	30.993022	26.278264	21.395066	6.88810125	6.63442428	6.44749612	4611	5159	4166
9091	NM_004204,NM_148920	PIGQ	phosphatidylinositol glycan anch	1.391935075	-1.361391876	18.74462	26.146207	13.004155	5.78998672	6.25973808	5.35427002	2133	3967	1927
63925	NM_022095	ZNF335	zinc finger protein 335	1.219454046	-1.361440023	12.650681	15.44133	8.729541	5.80320883	6.08479986	5.36735718	2153	3508	1945
80201	NM_025130	HKDC1	hexokinase domain containing 1	-2.946315683	-1.361455535	12.18032	4.136138	8.405386	5.48411762	3.98645018	5.05053848	1718	779	1552
3163	NM_001127204,NM_001127205	HMOX2	heme oxygenase 2	-1.13189149	-1.361515596	37.132996	32.550275	25.480742	6.00550691	5.82972237	5.56836587	2483	2931	2243
200205	NM_001010867,NM_001310327	IBA57	IBA57 homolog, iron-sulfur cluste	-1.134755859	-1.361602776	1.656731	1.479666	1.141499	3.76910202	3.60087125	3.36145532	496	584	448
119395	NM_001129742	CALHM3	calcium homeostasis modulator 3	-1.243094702	-1.361664954	2.11326	1.701097	1.463672	2.14180175	1.90501868	1.80975447	134	144	121
8668	NM_003757	EIF3I	eukaryotic translation initiation fa	-1.104586547	-1.362215812	137.29158	124.424812	94.703384	8.00853803	7.86561578	7.56460477	10071	12182	9093
9847	NM_001286173,NM_001286174	C2CD5	C2 calcium dependent domain co	-1.471866029	-1.362253132	12.861014	8.730823	8.92189	5.86188507	5.31586533	5.42482324	2244	2037	2026
7204	NM_007118,NR_134469	TRIO	trio Rho guanine nucleotide exch	1.007762435	-1.362270925	14.38414	14.720688	9.92311	7.2897943	7.30087905	6.84710738	6104	8219	5511
545	NM_001184	ATR	ATR serine/threonine kinase	1.114548416	-1.362647133	11.71866	13.074711	8.080589	6.57199855	6.72690278	6.13105951	3696	5504	3336
81614	NM_001008860,NM_001008892	NIPA2	non imprinted in Prader-Willi/Ang	-1.302184295	-1.362885902	30.796134	23.385317	21.152359	6.53760293	6.16134171	6.0965466	3608	3702	3256
22992	NM_001256405,NM_012308,NR	KDM2A	lysine demethylase 2A	1.080163553	-1.363107874	45.013738	48.834873	31.165727	8.27156625	8.38247045	7.82628949	12093	17453	10911
1337	NM_004373	COX6A1	cytochrome c oxidase subunit 6A	-1.398704906	-1.363177062	803.362488	574.99585	553.825562	8.80872445	8.3259115	8.36291611	17566	16780	15849
158056	NM_206920	MAMDC4	MAM domain containing 4	-1.211206651	-1.363179434	8.038545	6.644513	5.542476	4.89020329	4.62396909	4.46073909	1125	1241	1015
9668	NM_001322284,NM_001322285	ZNF432	zinc finger protein 432	-1.663051685	-1.363246909	5.377351	3.23131	3.707496	4.74290957	4.04427071	4.31524723	1012	813	913
9556	NM_001127393,NM_004894	C14orf2	chromosome 14 open reading fra	-1.169342243	-1.363706391	144.110144	124.259598	99.166801	6.54981334	6.3267143	6.10785411	3639	4158	3282
91687	NM_001127181,NM_001171182	CENPL	centromere protein L	-1.024903349	-1.36376349	9.171685	8.857973	6.300382	4.54304361	4.50909186	4.11772436	876	1142	790
7486	NM_000553	WRN	Werner syndrome RecQ like helic	-1.253333831	-1.363781657	5.238427	4.182755	3.607831	4.92206677	4.60826865	4.49161333	1151	1227	1038
90226	NM_033199	UCN2	urocortin 2	6.854272195	-1.363807817	0.35234	2.428344	0.231799	0.59399636	0.45708734	0.45708734	20	184	18
23208	NM_152280	SYT11	synaptotagmin 11	-1.112763486	-1.363807817	0.098801	0.089062	0.068142	0.59399636	0.54351856	0.45708734	20	24	18
219902	NM_001198670,NM_001198671	TMEM136	transmembrane protein 136	-1.357295964	-1.363988533	1.634994	1.168197	1.076936	2.90104285	2.52753672	2.52166171	254	250	229
29110	NM_013254	TBK1	TANK binding kinase 1	-1.427491094	-1.364291407	27.527529	19.303526	18.962015	6.38811426	5.88195738	5.94620592	3249	3041	2929
200558	NM_173545	APLF	aprataxin and PNKP like factor	-1.001017247	-1.364403218	1.578542	1.582655	1.08901	2.79384765	2.79259185	2.41925694	233	311	210
7804	NM_001018054,NM_004631,NM	LRP8	LDL receptor related protein 8	-1.032063497	-1.36445423	8.803464	8.750895	6.048543	6.01803602	5.97321596	5.57777974	2505	3243	2258
54522	NM_001009941,NM_001009943	ANKRD16	ankyrin repeat domain 16	1.094508427	-1.364576131	3.587834	3.996781	2.573409	2.89611494	3.009612	2.51644942	253	370	228
6652	NM_003104,NR_034039	SORD	sorbitol dehydrogenase	1.160557581	-1.364722864	18.215221	21.327047	12.63952	5.68032343	5.89125475	5.24191101	1974	3061	1779
9344	NM_001252043,NM_004783,NM	TAOK2	TAO kinase 2	1.183776653	-1.364738275	19.919749	23.502928	13.686738	6.54391798	6.78491906	6.10090614	3624	5732	3266
60674	NR_002578	GAS5	growth arrest specific 5 (non-prot	-1.430419754	-1.364906364	484.724579	339.232361	333.72641	8.22528782	7.71091707	7.77823888	11710	10938	10552
7332	NM_001256355,NM_001256356	UBE2L3	ubiquitin conjugating enzyme E2	-1.067253844	-1.364912849	30.277962	28.248675	21.271812	6.55020551	6.4573343	6.10698744	3640	4557	3280
105369154	NR_123721,NR_123722	PKD1P6-NPIPP1	PKD1P6-NPIPP1 readthrough	1.128645979	-1.364987944	18.036405	20.142373	12.827653	6.38591889	6.5585496	5.94329559	3244	4892	2923
55304	NM_001349945,NM_018327	SPTLC3	serine palmitoyltransferase long	1.37674187	-1.365032015	2.935268	3.957969	2.013408	3.56068436	3.98818428	3.15558012	424	780	382
55869	NM_001166418,NM_001166419	HDAC8	histone deacetylase 8	-1.166939577	-1.365182397	16.73173	14.34155	11.57031	5.00451141	4.7892446	4.57169125	1221	1398	1100
2823	NM_001261447,NM_001261448	GPM6A	glycoprotein M6A	-1.524852806	-1.365195976	0.276843	0.182955	0.192176	1.01352966	0.73744528	0.80366934	40	35	36
56945	NM_020191	MRPS22	mitochondrial ribosomal protein S	1.709891109	-1.365280548	60.180717	103.056625	41.435581	6.06105037	6.82598044	5.61970202	2582	5899	2326
51129	NM_001039667,NM_139314,NR	ANGPTL4	angiopoietin like 4	5.495519972	-1.365336358	17.515824	95.806512	11.990156	5.03733324	7.45929595	4.60399302	1250	9179	1126
730202	NR_122121	LOC730202	uncharacterized LOC730202	-1.014749778	-1.365661053	2.284663	2.266309	1.577691	1.33814853	1.32539385	1.0829869	60	79	54
79159	NM_024313	NOL12	nucleolar protein 12	1.048448267	-1.366653501	15.003833	15.744152	10.312277	5.40913411	5.47582432	4.9708465	1629	2282	1466
282991	NM_001001342,NM_001282436	BLOC1S2	biogenesis of lysosomal organelle	-1.944292161	-1.366917666	12.013309	6.153567	8.263403	5.02271227	4.1046668	4.58793254	1237	850	1113
554203	NR_024582	JPX	JPX transcript, XIST activator (no	1.038493387	-1.367336216	2.008355	2.093129	1.381907	2.09955541	2.14154997	1.76650173	129	179	116
27109	NM_001003803,NM_001003805	ATP5S	ATP synthase, H+ transporting, m	1.094030695	-1.367454425	4.296066	4.763671	3.087408	3.05929974	3.17404113	2.66986823	288	421	259
284086	NM_178170	NEK8	NIMA related kinase 8	-1.244209386	-1.367520069	5.451754	4.383199	3.743866	4.01620928	3.7225328	3.59695765	596	640	536
3636	NM_001567	INPPL1	inositol polyphosphate phosphata	1.243997281	-1.367529194	54.699986	68.124352	37.586269	7.97796477	8.29182837	7.52848871	9859	16387	8867
51128	NM_001033503,NM_016103	SAR1B	secretion associated Ras related	1.51148978	-1.36753567	12.518363	19.124585	8.655449	6.35303056	6.94303327	5.90790578	3170	6402	2851
100093630	NR_003584,NR_034010,NR_03	SNHG8	small nucleolar RNA host gene 8	-1.259424074	-1.367710724	87.132861	72.442948	60.955079	5.59318572	5.26813276	5.15233896	1856	1969	1669
2072	NM_005236	ERCC4	ERCC excision repair 4, endonuc	1.117671878	-1.367729357	2.916905	3.262282	2.001838	4.33665583	4.48963605	3.91081999	754	1126	678
790955	NM_001085372	UQCC3	ubiquinol-cytochrome c reductase	-1.184604115	-1.367956531	17.413326	14.71082	11.961497	5.09006999	4.85344169	4.65350501	1298	1464	1167
130507	NM_172070	UBR3	ubiquitin protein ligase E3 compc	-1.146351991	-1.368043171	6.774482	5.917191	4.654528	5.74067079	5.54755331	5.29842508	2060	2401	1852
79634	NM_001193528,NM_024583	SCRN3	secernin 3	1.160482641	-1.368274476	6.684539	7.792557	4.62747	4.38494329	4.59011355	3.95772276	781	1211	702
10923	NM_006713	SUB1	SUB1 homolog, transcriptional re	-1.146341211	-1.368331291	12.163349	10.625155	8.353936	5.41086265	5.21876673	4.9708465	1631	1901	1466
55627	NM_001171083,NM_017751,NM	SMPD4	sphingomyelin phosphodiesteras	1.140184837	-1.368496947	45.65848	51.998321	31.299898	7.43722812	7.62547481	6.98769137	6765	10306	6080
5321	NM_001311193,NM_024420	PLA2G4A	phospholipase A2 group IVA	2.077916494	-1.368888102	0.991773	2.004579	0.657516	1.90722898	2.74825434	1.58918956	108	300	97
8317	NM_001134419,NM_001134420	CDC7	cell division cycle 7	-1.105892856	-1.368972425	24.210044	21.90519	16.647409	6.26841767	6.12318384	5.82020306	2983	3604	2680
157489	NR_144550	SDAD1P1	SDA1 domain containing 1 pseud	-1.002086032	-1.369045401	0.319736	0.32028	0.218753	0.99521185	0.99371033	0.78645063	39	52	35
440138	NM_001004127,NR_036571	ALG11	ALG11, alpha-1,2-mannosyltrans	-1.219084258	-1.36908365	3.537982	2.961377	2.536862	3.28718579	3.03332122	2.88736461	344	377	309
65268	NM_001282394,NM_006648	WNK2	WNK lysine deficient protein kina	1.178921598	-1.369203972	2.395087	2.673918	1.624008	4.19135823	4.41682418	3.76680378	678	1068	609
53840	NM_001003827,NM_021616,NM	TRIM34	tripartite motif containing 34	-2.033834563	-1.369334567	12.782416	6.447371	8.896243	4.84616772	3.87277297	4.41104735	1090	716	979
6191	NM_001007	RPS4X	ribosomal protein S4, X-linked	-1.119149576	-1.369694712	1834.668091	1641.149536	1258.723145	10.73867071	10.57636817	10.28512756	67044	80042	60203
79364	NM_001040653,NM_025112,NR	ZXDC	ZXD family zinc finger C	1.450900123	-1.369790586	12.267344	18.115786	7.875503	5.54362658	6.07095688	5.10103126	1792	3474	1609
594837	NR_002434	SNORD101	small nucleolar RNA, C/D box 10	1.263623322	-1.369889222	10.282841	13.149276	7.100132	0.79797761	0.95166931	0.62147005	29	49	26
6642	NM_001242933,NM_003099,NM	SNX1	sorting nexin 1	-1.039112837	-1.369970118	16.156472	15.856953	10.997738	7.00084911	6.9459361	6.55085431	4989	6415	4479
9057	NM_001076785,NM_003983	SLC7A6	solute carrier family 7 member 6	-1.075934361	-1.370254525	13.600285	12.674368	9.334934	6.39773442	6.29343951	5.94959391	3271	4062	2936
30845	NM_014600	EHD3	EH domain containing 3	1.148171412	-1.37025621	1.561155	1.800589	1.070969	2.7991369	2.97154911	2.41925694	234	359	210
8525	NM_001105540,NM_001199266	DGKZ	diacylglycerol kinase zeta	-1.196375497	-1.370292925	26.393501	22.100483	18.104426	6.56967926	6.31398038	6.12079205	3690	4121	3312
271	NM_001257360,NM_001257361	AMPD2	adenosine monophosphate deam	1.121215507	-1.370468272	13.220319	14.461263	8.496302	5.57557074	5.73736895	5.13203431	1833	2746	1645
5756	NM_001242397,NM_002822,NR	TWF1	twinfilin actin binding protein 1	-1.142913676	-1.370487496	69.49383	60.564777	47.423911	7.69958175	7.50785411	7.24745421	8122	9495	7289
81889	NM_001018104,NM_001142398	FAHD1	fumarylacetoacetate hydrolase d	1.31612878	-1.370558505	15.882341	20.920924	10.883123	4.75792697	5.14139825	4.32273175	1023	1799	918
353355	NM_001207005,NM_001330529	ZNF233	zinc finger protein 233	-2.357383832	-1.370656477	1.267567	0.533998	0.824677	2.15835987	1.30327576	1.81825156	136	77	122
1632	NM_001178029,NM_001919	ECI1	enoyl-CoA delta isomerase 1	-1.224984614	-1.370676044	58.339827	47.607288	39.929083	5.91948261	5.6320572	5.47337838	2337	2549	2097
353	NM_000485,NM_001030018	APRT	adenine phosphoribosyltransfera	-1.014483698	-1.3707227	120.707098	118.666338	81.366673	6.53522764	6.51470662	6.08602965	3602	4744	3232
8802	NM_003849	SUCLG1	succinate-CoA ligase alpha subu	1.167650658	-1.371078508	60.16256	70.334366	41.237232	6.4321858	6.65340031	5.98304325	3351	5228	3006
150472	NM_001330336,NM_001330337	CBWD2	COBW domain containing 2	1.071216884	-1.371253646	26.506096	28.381799	18.281636	5.66302179	5.76038336	5.21802858	1950	2791	1749
56919	NM_001199699,NM_020162	DHX33	DEAH-box helicase 33	1.035776019	-1.371375626	4.690509	4.907615	3.254142	4.7374097	4.78625756	4.30167645	1008	1395	904
152007	NM_001287010,NM_001287011	GLIPR2	GLI pathogenesis related 2	-1.267404498	-1.371619311	0.200011	0.170207	0.136697	0.56944351	0.46599441	0.43515728	19	20	17

126006	NM_001271830,NM_174895	PCP2	Purkinje cell protein 2	1.259062044	-1.371619311	0.744018	0.901402	0.505505	0.56944351	0.68708806	0.43515728	19	32	17
28969	NM_001159767,NM_014038,NR	BZW2	basic leucine zipper and W2 dom	-1.11796447	-1.371945347	54.4502	48.765244	37.279927	6.63546944	6.47630122	6.18461832	3864	4618	3464
4850	NM_001008225,NM_001190847	CNOT4	CCR4-NOT transcription comple	-1.54257522	-1.372148832	9.111964	5.874416	6.174455	5.00908319	4.40778273	4.56917629	1225	1061	1098
10539	NM_001199868,NM_001321980	GLRX3	glutaredoxin 3	1.071753239	-1.37235937	54.624306	58.654477	37.389713	6.1732529	6.2718903	5.72399823	2794	4001	2504
23154	NM_001014839,NM_001014841	NCDN	neurochondrin	1.195466497	-1.372730789	13.685687	16.826218	9.586953	5.5924243	5.84511405	5.14644623	1855	2963	1662
64432	NM_022497,NR_135246,NR_13	MRPS25	mitochondrial ribosomal protein S	1.510801009	-1.372888199	11.503963	17.642571	7.847908	5.64844354	6.23402644	5.20188444	1930	3896	1729
10557	NM_001097590,NM_001265601	RPP38	ribonuclease P/MRP subunit p38	1.012972244	-1.37292622	18.776592	18.257837	12.908327	4.76334931	4.78126538	4.32571472	1027	1390	920
100996738	NR_145479	HERC2P11	hect domain and RLD 2 pseudog	-1.023069128	-1.372999138	1.523735	1.495958	1.042732	2.14180175	2.11639955	1.80120704	134	175	120
27131	NM_001282454,NM_014426,NM	SNX5	sorting nexin 5	1.137748587	-1.373027471	108.348856	123.55134	74.435953	7.95326819	8.13874697	7.49807129	9691	14732	8681
10919	NM_001289413,NM_001318833	EHMT2	euchromatic histone lysine meth	-1.001472886	-1.37312784	12.961295	13.146388	9.015902	5.71501616	5.71293314	5.26773297	2023	2699	1812
8021	NM_001318324,NM_001318325	NUP214	nucleoporin 214	-1.051701618	-1.373149394	11.766569	11.523621	8.151123	6.458331	6.38645125	6.00693423	3413	4336	3057
93436	NM_001199196,NM_033415	ARMC6	armadillo repeat containing 6	1.264558475	-1.373244404	15.366633	19.713837	10.597554	5.23273681	5.56334327	4.78935776	1437	2428	1287
728568	NM_001135570	C12orf73	chromosome 12 open reading fra	-1.313145264	-1.373284765	6.197722	4.731291	4.243822	3.1370039	3.0798645	3.07986458	402	409	360
60488	NM_001190864,NM_021821	MRPS35	mitochondrial ribosomal protein S	-1.355365553	-1.373333105	41.771531	30.893809	28.632087	6.28679934	5.85465113	5.83598022	3026	2983	2710
693155	NR_030296	MIR570	microRNA 570	1.164759813	-1.373517767	33.35783	38.94714	22.767076	2.05603457	2.22627631	1.72191206	124	193	111
29953	NM_013381	TRHDE	thyrotropin releasing hormone de	-1.553100324	-1.37357118	5.629542	3.625916	3.851831	4.97443634	4.36437852	4.53349849	1195	1028	1070
3257	NM_000195,NM_001311345,NM	HPS1	HPS1, biogenesis of lysosomal o	-1.131759456	-1.373607651	8.721744	8.868102	7.887753	4.83333524	4.66140215	4.39409566	1080	1275	967
3430	NM_001330230,NM_005533	IFI35	interferon induced protein 35	-1.199418359	-1.373774317	40.82686	34.068352	27.910345	5.66157057	5.40489279	5.21400945	1948	2170	1744
3241	NM_001258357,NM_001258358	HPCAL1	hippocalcin like 1	1.771072996	-1.373834542	95.178318	168.667758	65.42412	7.36750928	8.18833475	6.91255399	6444	15249	5769
124402	NM_001330467,NM_145253	UBALD1	UBA like domain containing 1	1.342707087	-1.373864972	15.528342	20.833399	10.298283	4.43676607	4.84485395	4.00314859	811	1455	726
5266	NM_002638	PI3	peptidase inhibitor 3	-12.29199511	-1.374192472	14.826	1.196332	10.119519	3.16959281	0.72085408	2.7696269	314	34	281
623	NM_000710	BDKRB1	bradykinin receptor B1	-2.029434047	-1.374254109	3.048941	1.496663	2.077912	2.28439817	1.5392062	1.93223726	152	100	136
631	NM_001161705,NM_001195,NM	BFSP1	beaded filament structural protein	1.019474765	-1.3743099	5.403462	5.440262	3.6839	3.57308778	3.5986027	3.15892909	428	583	383
4356	NM_001330233,NM_001932,NR	MPP3	membrane palmitoylated protein	-1.168168969	-1.374392216	14.591248	12.540567	10.024964	5.36523338	5.14684251	4.91944741	1579	1806	1413
11273	NM_001308230,NM_007245,NM	ATXN2L	ataxin 2 like	-1.003719143	-1.374728402	76.145268	76.923808	51.904951	8.28199291	8.27665446	7.82457714	12181	16215	10898
23597	NM_001033583,NM_001037171	ACOT9	acyl-CoA thioesterase 9	-1.250389548	-1.374833214	15.34432	18.87587	17.065507	5.49882028	5.18438775	5.05143972	1736	1855	1553
112858	NM_033550	TP53RK	TP53 regulating kinase	1.392597414	-1.374893552	5.50689	7.686485	3.767444	4.25625269	4.71264808	3.82488183	711	1323	636
4188	NM_001300804,NM_001300805	MDFI	MyoD family inhibitor	-1.646257524	-1.374893552	10.776125	6.633186	7.344448	4.25625269	3.58491601	3.82488183	711	577	636
51234	NM_001286420,NM_001351373	EMC4	ER membrane protein complex s	-1.185026871	-1.374998008	115.062333	97.424515	78.668089	6.8538825	6.61126234	6.39910923	4502	5076	4027
3609	NM_001137673,NM_004516,NM	ILF3	interleukin enhancer binding fact	-1.08966703	-1.37505636	114.949972	105.525679	82.683475	9.27902305	9.15665561	8.82040053	24351	29886	21781
8500	NM_003626,NM_177423,NR_04	PPFIA1	PTPRF interacting protein alpha	-1.230414914	-1.375127321	23.122788	18.708325	15.956325	6.84368056	6.54741912	6.38880622	4470	4854	3998
6173	NM_001199972,NM_021029	RPL36A	ribosomal protein L36a	-1.346886635	-1.37515547	643.398641	465.290354	433.856763	9.16630975	8.73754971	8.70765403	22518	22338	20140
9351	NM_001130012,NM_001252073	SLC9A3R2	SLC9A3 regulator 2	1.135517147	-1.375246785	54.761561	64.091641	40.152832	6.61818124	7.00000828	6.36326659	4391	6662	3927
23647	NM_001242854,NM_001242855	ARFIP2	ADP ribosylation factor interactin	-1.046262034	-1.375279643	42.357925	40.5594	28.932036	7.27610876	7.2112939	6.81986262	6046	7721	5407
342979	NM_001145028	PALM3	paralemmin 3	-4.816154326	-1.375318763	7.216127	1.492996	4.928763	4.07843661	2.10365798	3.6502813	624	173	558
646214	NR_027053	LOC646214	p21 protein (Cdc42/Rac)-activate	1.122184687	-1.375456671	0.088876	0.098359	0.060013	0.77668602	0.84852988	0.60191771	28	42	25
146225	NM_001199317,NM_144673	CMTM2	CKLF like MARVEL transmembra	-1.436500499	-1.375456671	0.689643	0.444509	0.453762	0.77668602	0.58077243	0.60191771	28	26	25
283219	NM_001029859	KCTD21	potassium channel tetramerizatic	-1.126495132	-1.375529412	2.975214	2.646156	2.035663	3.44059597	3.28542082	3.02952715	387	459	346
26007	NM_001351976,NM_001351977	TKFC	triokinase and FMN cyclase	-1.373801121	-1.375787237	15.628615	11.615258	10.52666	5.96018767	5.51062716	5.50858745	2405	2339	2150
25923	NM_001290048,NM_015459	ATL3	atlastin GTPase 3	-1.074925373	-1.376105924	14.582818	13.523086	9.916726	6.69520176	6.59200518	6.2398222	4029	5008	3601
7264	NM_001317783,NM_003313	TSTA3	tissue specific transplantation an	-1.138091715	-1.376148192	60.198161	52.803897	40.954773	6.32809147	6.14394546	5.8741751	3115	3657	2784
55743	NM_001161344,NM_001161345	CHFR	checkpoint with forkhead and ring	-1.059196344	-1.376158614	10.312514	9.760502	7.114116	5.08032757	4.99987273	4.63558737	1289	1626	1152
440354	NR_135305,NR_135317	SMG1P2	SMG1P2, nonsense mediated mi	1.206732632	-1.376189834	8.386365	10.275256	5.690529	4.31651022	4.57519242	3.88273891	743	1198	664
11201	NM_001351610,NM_001351611	POLI	DNA polymerase iota	-1.251384301	-1.376481203	4.841695	4.165624	3.332669	4.86898241	4.55778177	4.42641333	1108	1183	990
2260	NM_001174063,NM_001174064	FGFR1	fibroblast growth factor receptor	1.72370334	-1.376643479	7.179634	12.627051	5.025617	5.40393602	6.17510925	4.95552185	1623	3738	1450
3646	NM_001568	EIF3E	eukaryotic translation initiation fa	-1.206000466	-1.376740276	577.707031	479.560211	394.327179	9.72998327	9.48010177	9.26936491	33301	36894	29750
1982	NM_001042559,NM_001172705	EIF4G2	eukaryotic translation initiation fa	-1.102088009	-1.377021614	324.435039	293.677515	219.855179	10.2509733	10.11085439	9.78986712	47802	57953	42696
4691	NM_005381	NCL	nucleolin	1.540075051	-1.377064791	442.48111	682.216431	301.955872	10.19417174	10.81674166	9.73303824	45955	94563	41045
8331	NM_021066	HIST1H2AJ	histone cluster 1 H2A family men	-1.199655349	-1.377176143	0.532206	0.403182	0.348247	0.29776659	0.25173066	0.22116494	9	10	8
692087	NR_003043	SNORD49B	small nucleolar RNA, C/D box 49	1.16230151	-1.377176143	4.5526	5.59511	3.269373	0.29776659	0.3412894	0.22116494	9	14	8
109617007	NR_145763	SNORA63E	small nucleolar RNA, H/ACA box	1.491030277	-1.377176143	1.682673	2.587186	1.12195	0.29776659	0.42561204	0.22116494	9	18	8
10335	NM_001098579,NM_001100163	MRVI1	murine retrovirus integration site	-1.980810008	-1.377176143	0.036823	0.018475	0.022069	0.29776659	0.15624221	0.22116494	9	6	8
100505915	NR_125434	LOC100505915	uncharacterized LOC100505915	-1.199655349	-1.377176143	0.090454	0.0732	0.058577	0.29776659	0.25173066	0.22116494	9	10	8
9789	NM_014752	SPCS2	signal peptidase complex subunit	1.054537555	-1.377613454	49.198082	51.938309	33.557175	7.03038412	7.10642528	6.57236251	5093	7176	4547
29914	NM_001330349,NM_001330350	UBIAD1	UbiA prenyltransferase domain c	1.436948521	-1.377739441	6.892481	10.093075	4.753616	4.76064069	5.26741889	4.3182457	1025	1968	915
102724362	NR_146466,NR_146467,NR_14	SPINT1-AS1	SPINT1 antisense RNA 1	-1.312548547	-1.377740235	19.836362	14.633582	13.239972	3.78784692	3.42767171	3.36435937	503	512	449
84221	NM_001142854,NM_032261	SPATC1L	spermatogenesis and centriole a	-1.127412523	-1.377846896	7.235793	6.0991	4.958274	3.25290323	3.09899072	2.84640965	335	397	299
51601	NM_001204830,NM_015929,NM	LIPT1	lipoyltransferase 1	-1.225374105	-1.377994673	8.490768	6.769152	5.905358	3.68302999	3.41483526	3.26218696	465	507	415
64857	NM_001351693,NM_001351694	PLEKHG2	pleckstrin homology and RhoGEI	-1.119142281	-1.378146033	5.549793	4.957599	3.754607	5.3829543	5.22466294	4.93320349	1599	1909	1427
9111	NM_004688	NMI	N-myc and STAT interactor	1.062977196	-1.378391275	41.697723	44.377071	28.431282	5.9321763	6.01889027	5.47807818	2358	3349	2104
79411	NM_001286423,NM_001286427	GLB1L	galactosidase beta 1 like	1.465017676	-1.378547472	2.055194	3.509224	1.609567	2.68377414	3.16180073	2.30298238	213	417	190
58527	NM_021243	ABRACL	ABRA C-terminal like	-1.378626001	-1.3786280001	30.963921	22.624968	21.115494	4.7277342	4.28491469	4.20932183	1001	976	893
57380	NM_001286264,NM_001286265	MRS2	MRS2, magnesium transporter	-1.098240558	-1.3786993	10.723194	9.883778	8.019193	5.15751465	5.0262753	4.70939036	1362	1657	1215
64968	NM_032476	MRPS6	mitochondrial ribosomal protein S	-1.328726777	-1.37886846	61.864296	46.625515	42.174644	5.92251507	5.52024734	5.46798836	2342	2355	2089
10693	NM_001193529,NM_001193530	CCT6B	chaperonin containing TCP1 sub	1.014434977	-1.379168752	2.283165	2.375396	1.612397	2.38631541	2.40307061	2.02324736	166	225	148
124641	NM_080822	OVCA2	OVCA2 serine hydrolase domain	-1.15105935	-1.37920203	14.367911	12.490977	9.78158	4.00480921	3.81532231	3.57456234	591	686	527
100506311	NR_038366,NR_038367	HOTAIRM1	HOXA transcript antisense RNA,	-1.244944175	-1.379471756	1.367103	1.101148	0.92647	1.26358189	1.08728891	1.01060517	55	59	49
641371	NM_001037161	ACOT1	acyl-CoA thioesterase 1	-1.196824897	-1.379517662	10.376365	8.677794	7.066229	4.10430518	3.86146441	3.67153991	636	710	567
548644	NM_001097615	POLR2J3	RNA polymerase II subunit J3	-1.449687688	-1.379748559	13.8966	9.594478	9.462334	4.56959435	4.0608449	4.1280136	893	823	796
6433	NM_001261411,NM_004592	SFSWAP	splicing factor SWAP homolog	-1.406780673	-1.379788122	28.215212	20.142433	19.389445	6.51969219	6.03365933	6.06118777	3563	3384	3176
23231	NM_001297592,NM_001297594	SEL1L3	SEL1L family member 3	-1.301161743	-1.380216208	11.452607	8.81378	7.798166	5.7065968	5.33506994	5.25213854	2011	2065	1792
23788	NM_001317231,NM_001317232	MTCH2	mitochondrial carrier 2	-1.278318686	-1.380244196	45.197852	35.116205	30.453339	6.85006522	6.49928452	6.38987546	4490	4693	4001
11331	NM_001144831,NM_001267700	PHB2	prohibitin 2	-1.250346669	-1.380337352	124.354769	99.699657	84.648811	7.45241394	7.13214084	6.9905136	6837	7306	6092
5064	NM_001040134,NM_002579	PALM	paralemmin	3.02328848	-1.380398899	0.158352	0.497141	0.109281	0.54446555	1.25799553	0.41288872	18	73	16
100996348	NR_121630,NR_121631,NR_12	CA3-AS1	CA3 antisense RNA 1	-1.992359159	-1.380398899	0.752916	0.35619	0.494752	0.54446555	0.29720487	0.41288872	18	12	16
30836	NM_014597	DNTTIP2	deoxynucleotidyltransferase term	-1.020982108	-1.380563532	55.575176	54.494675	37.826595	7.21236912	7.18261508	6.75079877	5783	7568	5152
93643	NM_001146016,NM_001146017	TJAP1	tight junction associated protein	1.011111801	-1.38090258	16.067667	16.388536	11.022338	5.47009282	5.48567859	5.01670049	1701	2298	1515
152100	NM_001331185,NM_001331186	CMC1	C-X9-C motif containing 1	1.070017619	-1.38090319	31.802242	34.532059	22.32433	4.36189543	4.45494398	3.92268941	768	1098	694
80025	NM_001324191,NM_001324192	PANK2	pantothenate kinase 2	1.192471427	-1.38101661	10.285973	11.525533	7.605099	5.9321763	6.18232282	5.47539445	2358	3757	2100
3678	NM_002205	ITGA5	integrin subunit alpha 5	1.611112126	-1.381188055	3.983656	6.430259	2.711768	4.12971807	4.78625756	3.6947989	648	1395	577
2534	NM_002037,NM_153047,NM_15	FYN	FYN proto-oncogene, Src family	2.055349737	-1.381242157	1.865346	3.796306	1.233345	2.81488929	3.74527057	2.42483178	237	651	211
28990	NM_001288950,NM_014065,NR	ASTE1	asteroid homolog 1 (Drosophila)	1.547775046	-1.381451984	3.226956	4.994982	2.22024	3.26059229	3.83665412	2.85055786	337	697	300
100507053	NR_037884	LOC100507053	uncharacterized LOC100507053	1.329245162	-1.381485425	0.144681	0.192084	0.09889	0.7550755	0.93737891	0.58209675	27	48	24
124808	NM_001099225,NM_144609	CCDC43	coiled-coil domain containing 43	-1.319757258	-1.381576863	36.164644	27.350289	24.329506	6.22918489	5.8350318	5.77016774	2906	2942	2587
162417	NM_153006	NAGS	N-acetylglutamate synthase	-1.142064469	-1.381895492	6.529068	5.725788	4.442421	3.82721276	3.64989748	3.39875952	518	606	461
730013	NR_023387	ABCC6P2	ATP binding cassette subfamily C	-2.659065738	-1.382031018	1.324464	0.485922	0.881176	0.93882015	0.42561204	0.73352601	36	18	32
3206	NM_018951,NR_037939	HOXA10	homeobox A10	-1.219215049	-1.382320119	5.625352	4.854039	3.819825	3.91509278	3.64989748	3.48400652	553	606	492
1349	NM_001866	COX7B	cytochrome c oxidase subunit 7B	-1.265573602	-1.382451719	447.670715	354.150238	304.309753	7.64224327	7.30436321	7.17776555	7804	8239	6943
51015	NM_016048	ISOC1	isochorismatase domain containi	-1.072757904	-1.38258429	28.448683	26.55102	19.329266	5.77462994	5.67521634	5.31728127	2110	2628	1877
7851	NM_005434	MALL	mal, T-cell differentiation protein	-1.240902983	-1.382664911	36.973881	29.829603	25.13201	6.79718791	6.48891077	6.33467775	4327	4659	3849
3695	NM_000889,NR_104181	ITGB7	integrin subunit beta 7	-4.023300127	-1.382781022	4.144527	1.022737	2.80678	3.64534899	1.94842076	3.22112563	452	150	402
130557	NM_001201459,NM_144631	ZNF513	zinc finger protein 513	1.040246906	-1.382870728	11.412258	12.006431	7.76219	4.62723337	4.68190518	4.18168353	931	1294	828
90423	NM_001318063	ATP6V1E2	ATPase H+ transporting V1 subu	1.413299983	-1.383126901	1.760988	2.510132	1.195507	1.90722898	2.2895231	1.57922529	108	204	96
9957	NM_005114	HS3ST1	heparan sulfate-glucosamine 3-s	1.57738863	-1.383446193	63.219425	99.843544	42.936722	6.93029135	7.58350492	6.46654059	4749	10009	4222
201283	NR_026903	AMZ2P1	archaelysin family metallopeptida	-1.597760732	-1.383915511	3.614851	2.264796	2.451026	3.71416279	3.10219703	3.28688662	476	398	423
57099	NM_020371	AVEN	apoptosis and caspase activation	1.109031996	-1.383951861	7.041066	7.834449	4.780517	3.52601466	3.6629841	3.10438964	413	612	367
9159	NM_004716	PCSK7	proprotein convertase subtilisin/k	-1.284994063	-1.384877717	17.973839	13.999434	12.19253	6.11929974	5.76342439	5.65748382	2690	2797	2389
7559	NM_006956,NM_016265	ZNF12	zinc finger protein 12	-1.349741978	-1.384932354	13.317539	9.966146	9.070059	6.0560884	5.63094763	5.59457146	2573	2547	2285
2863	NM_001508	GPR39	G protein-coupled receptor 39	1.271029718	-1.385043986	11.335656	14.425357	7.693125	5.00679911	5.34322286	4.55399371	1223	2077	1086

4708	NM_004546	NDUFB2	NADH:ubiquinone oxidoreductas	-1.709893786	-1.385110664	125.425255	73.416985	85.097153	5.94177327	5.18438775	5.48075692	2374	1855	2108
285855	NM_198486,NR_134562,NR_13	RPL7L1	ribosomal protein L7 like 1	-1.045302377	-1.385594768	26.942258	25.905744	18.376104	6.66437729	6.6010994	6.19933029	3943	5040	3500
80233	NM_025161,NR_033338	FAAP100	Fanconi anemia core complex as	1.112577989	-1.385698199	18.864031	21.041753	12.806755	6.13140667	6.28323493	5.66868681	2713	4033	2408
7181	NM_001032287,NM_001127362	NR2C1	nuclear receptor subfamily 2 grou	-1.687525883	-1.3858706	20.73386	12.017482	13.985894	6.14393258	5.40294404	5.68096869	2737	2167	2429
79077	NM_024096,NR_134470,NR_13	DCTPP1	dCTP pyrophosphatase 1	1.402557774	-1.385898349	15.754583	22.109369	10.690152	4.18531139	4.65049289	3.74468587	675	1265	599
9125	NM_001271634,NM_001271635	CNOT9	CCR4-NOT transcription comple	1.161554799	-1.385969702	30.862737	35.935157	20.976291	6.62210164	6.83612592	6.15683176	3828	5941	3397
56926	NM_001321463,NM_020170	NCLN	nicalin	1.234492199	-1.38632255	39.333704	48.613117	26.662239	7.16910711	7.47112463	6.70170058	5611	9255	4978
1978	NM_004095	EIF4EBP1	eukaryotic translation initiation fa	-1.582537798	-1.386531313	73.309402	46.38245	49.696388	5.96195729	5.31310082	5.49937013	2408	2033	2136
1656	NM_001257191,NM_004397	DDX6	DEAD-box helicase 6	-1.517063401	-1.386660714	22.860716	15.082166	15.491122	7.1250342	6.52907247	6.65739873	5441	4792	4826
10606	NM_001079524,NM_001079525	PAICS	phosphoribosylaminoimidazole c	1.210718622	-1.386760957	109.255596	132.414151	73.98663	8.46824489	8.74340127	7.99809592	13865	22429	12297
5274	NM_001122752,NM_005025	SERPINI1	serpin family I member 1	1.419223643	-1.386797384	3.146123	4.487032	2.138317	2.62541894	3.05994879	2.24113096	203	385	180
27300	NM_001320767,NM_001320769	ZNF544	zinc finger protein 544	1.07750747	-1.387002124	15.545263	16.58306	10.859717	5.81565859	5.9215178	5.35353947	2172	3127	1926
728047	NM_001277308	GOLGA8O	golgin A8 family member O	-1.248217903	-1.387101536	0.932368	0.745142	0.628676	2.5140512	2.255369	2.1362985	185	198	164
81575	NM_001130415,NM_030817	APOLD1	apolipoprotein L domain containi	-2.856759434	-1.387255596	7.945542	2.77878	5.232787	5.23273681	3.78770943	4.77524325	1437	672	1274
9238	NM_001261834,NM_004749,NM	TBRG4	transforming growth factor beta r	-1.146958216	-1.387291381	40.141804	35.080733	27.241091	6.46874083	6.27331327	6.00274682	3438	4005	3048
147463	NM_001308238,NM_173505	ANKRD29	ankyrin repeat domain 29	-3.095159877	-1.387418533	0.972939	0.301668	0.651351	2.04717061	1.00745609	1.70368302	123	53	109
80018	NM_024953	NAA25	N(alpha)-acetyltransferase 25, N	-1.414925215	-1.387544058	18.482071	13.07433	12.516254	6.72399159	6.228902	6.25672228	4111	3882	3644
25776	NM_001002880,NM_015373	CBY1	chibby family member 1, beta cat	1.544250946	-1.38754948	30.737649	47.67837	21.057565	5.1687957	5.78153721	4.71167259	1373	2833	1217
55592	NR_024261,NR_036632	GOLGA2P5	golgin A2 pseudogene 5	-1.268513713	-1.387755202	15.310811	12.042077	10.2733	5.18504861	4.85249002	4.72754788	1389	1463	1231
26814	NR_000017	SNORD36B	small nucleolar RNA, C/D box 36	1.471502885	-1.38837962	22.115416	33.107632	15.046248	1.35261029	1.71704117	1.08290869	61	120	54
4149	NM_001271068,NM_001271069	MAX	MYC associated factor X	1.049720894	-1.388430529	27.241485	28.335004	18.069301	5.72129859	5.79001207	5.25839655	2032	2850	1800
5612	NM_004705,NR_130898	THAP12	THAP domain containing 12	-1.000114234	-1.388431005	22.705934	22.715457	15.404625	6.23016423	6.23000163	5.76413316	2908	3885	2576
246243	NM_001286834,NM_001286837	RNASEH1	ribonuclease H1	-1.032383924	-1.388658788	17.529062	17.706479	12.385864	5.10509529	5.0604688	4.64755715	1312	1698	1162
26164	NM_015666	MTG2	mitochondrial ribosome associate	1.071309156	-1.388957889	15.717444	16.85297	10.629676	5.52139737	5.6186857	5.05952566	1764	2525	1562
8932	NM_003927,NM_015832	MBD2	methyl-CpG binding domain prot	-1.072704369	-1.389066666	15.136322	14.158141	10.221901	6.26737207	6.16747684	5.8005039	2985	3718	2643
11218	NM_007204	DDX20	DEAD-box helicase 20	1.147345813	-1.389186201	10.721467	12.315938	7.253281	5.23469001	5.42807474	4.77524325	1439	2206	1274
79711	NM_024658,NR_051979	IPO4	importin 4	1.484506102	-1.38932193	20.25873	30.095575	13.697523	6.17070465	6.73415453	5.70407737	2789	5532	2469
123920	NM_144601,NM_181553,NR_03	CMTM3	CKLF like MARVEL transmembra	1.09664541	-1.389974624	13.808757	15.868008	9.731376	4.85126892	4.97996669	4.39551594	1094	1603	968
2976	NM_001035521,NM_001318909	GTF3C2	general transcription factor IIIC s	-1.023861691	-1.390172843	27.917196	27.225156	18.858744	6.74229857	6.70861232	6.27226751	4164	5434	3684
10068	NM_001039659,NM_001039660	IL18BP	interleukin 18 binding protein	1.263059359	-1.39029073	10.05156	13.106553	6.977404	4.51438809	4.83613907	4.0633618	858	1448	759
387628	NM_003674,NM_047527	FGF7P6	fibroblast growth factor 7 pseudo	1.31876008	-1.390338436	0.1938	0.265291	0.5190475	0.139281	0.65251278	0.39027104	17	30	15
50939	NM_016247	IMPG2	interphotoreceptor matrix proteoc	1.66876127	-1.390338436	0.050857	0.087801	0.035319	0.5190475	0.7861039	0.39027104	17	38	15
650669	NR_044995	GAS6-AS1	GAS6 antisense RNA 1	-1.194017812	-1.390338436	0.473654	0.404968	0.31838	0.5190475	0.44594451	0.39027104	17	19	15
256815	NM_001351306,NM_153714	C10orf67	chromosome 10 open reading fra	2.138038373	-1.390352426	0.375547	0.85841	0.328557	1.06712766	1.74192207	0.83750224	43	123	38
55559	NM_017518,NR_073156	HAUS7	HAUS augmin like complex subu	-1.057545689	-1.390649385	15.144499	14.364823	10.464243	4.48351009	4.40648646	4.03265683	839	1060	742
84191	NM_001014812,NM_001289108	FAM96A	family with sequence similarity 9	-1.419732097	-1.390849151	54.386487	42.224415	35.878198	6.20248825	5.70504655	5.73413712	2852	2684	2522
113419	NM_144582	TEX261	testis expressed 261	1.348850854	-1.390933491	17.242884	23.28813	11.65292	5.84664023	6.2718903	5.38032669	2220	4001	1963
5335	NM_002660,NM_182811	PLCG1	phospholipase C gamma 1	1.113201492	-1.391085698	15.53371	17.30475	10.492313	6.31661142	6.4694894	5.84744145	3090	4596	2732
10576	NM_001198842,NM_006431	CCT2	chaperonin containing TCP1 sub	1.048669235	-1.391127426	139.556678	146.327965	94.199186	8.05818822	8.12649738	7.58404313	10425	14607	9217
199857	NM_001305242,NM_144988,NR	ALG14	ALG14, UDP-N-acetylglucosamir	1.269707649	-1.391265982	6.602134	8.378869	4.451989	2.96361946	3.26839621	2.5576298	267	453	236
4707	NM_004545	NDUFB1	NADH:ubiquinone oxidoreductas	-1.100777507	-1.391900409	144.825333	131.717941	97.771942	5.90912433	5.77301226	5.44141974	2320	2816	2050
728034	NR_146105,NR_146106,NR_14	BMS1P14	BMS1, ribosome biogenesis facto	-1.378233566	-1.392030724	1.788285	1.286188	1.211016	3.21778616	2.81230346	2.79997431	326	316	288
10208	NM_001321532,NM_001321533	USPL1	ubiquitin specific peptidase like 1	-1.564891665	-1.392048739	8.91802	5.460461	6.787089	5.39610359	4.7692132	4.93222525	1614	1378	1426
56996	NM_001267812,NM_001267814	SLC12A9	solute carrier family 12 member 9	-1.313434901	-1.392252998	17.090878	13.248873	11.947161	5.79727387	5.41201577	5.32996414	2144	2181	1894
51300	NM_016589	TIMMDC1	translocase of inner mitochondria	1.499216228	-1.392396915	41.500835	62.307693	28.015787	6.03101932	6.60788264	5.56205565	2528	5064	2233
92259	NM_033281	MRPS36	mitochondrial ribosomal protein 5	-1.42714806	-1.392470737	43.493465	30.508471	29.347191	5.84024036	5.3377927	5.37241474	2210	2069	1952
10978	NM_001142597,NM_006831	CLP1	cleavage and polyadenylation fac	1.293447303	-1.392581911	10.551899	13.505694	7.029652	4.30354226	4.65813802	3.85410038	736	1272	650
4363	NM_004996	ABCC1	ATP binding cassette subfamily C	1.049443531	-1.392749199	28.810465	30.268181	19.439543	7.53220137	7.60145966	7.05731497	7228	10135	6383
8557	NM_003673	TCAP	titin-cap	-1.244128953	-1.393023437	1.832793	1.47213	1.23921	1.44997615	1.25799553	1.16514558	68	73	60
160518	NM_001308339,NM_144973	DENND5B	DENN domain containing 5B	1.159172637	-1.393324052	0.281442	0.326263	0.188742	1.84721644	2.0043309	1.51794971	102	158	90
64236	NM_021630,NM_176871,NM_19	PDLIM2	PDZ and LIM domain 2	-1.480037708	-1.393511736	7.53475	4.964343	4.644262	4.01620928	3.49264009	3.57205238	596	538	526
221322	NM_152730,NR_104452	TBC1D32	TBC1 domain family member 32	1.168376036	-1.393556385	1.916492	2.254395	1.28184	3.53871843	3.74527057	3.10785943	417	651	368
160857	NM_001350617,NM_001350618	CCDC122	coiled-coil domain containing 122	1.232582462	-1.393597738	2.484148	3.042012	1.686448	2.52684435	2.78063431	2.1430785	187	308	165
105371743	NR_135479	LINC02001	long intergenic non-protein codin	-1.064449879	-1.394465228	18.256849	17.172974	12.283937	3.97005831	3.88585523	3.5261099	576	723	508
83637	NM_001300959,NM_031449,NM	ZMIZ2	zinc finger MIZ-type containing 2	-1.519590063	-1.394528601	55.178636	36.347236	37.374735	8.09682106	7.49586693	7.61911517	10709	9416	9445
102723703	NR_120662	LOC102723703	uncharacterized LOC102723703	-2.237607188	-1.394671927	1.173217	0.518799	0.783351	1.04948198	0.56226574	0.82068496	42	25	37
5699	NM_002801	PSMB10	proteasome subunit beta 10	-1.211021938	-1.394775504	75.01149	62.004223	50.535946	6.21886148	5.94670691	5.74643311	2885	3183	2544
51099	NM_016006	ABHD5	abhydrolase domain containing 5	-1.006867803	-1.394786818	3.345325	3.327416	2.253284	4.20536975	4.19603101	3.75578721	685	909	604
285489	NM_001164673,NM_001256896	DOK7	docking protein 7	-1.414566188	-1.394900708	4.208079	2.982541	3.180699	3.5292011	3.07960182	3.09742492	414	391	365
338739	NR_034027	CSTF3-AS1	CSTF3 antisense RNA 1 (head to	-1.23590106	-1.395176896	0.31452	0.248213	0.209224	0.71085839	0.59904473	0.54161868	25	27	22
199699	NM_152654	DAND5	DAN domain BMP antagonist fam	-1.191985994	-1.395176896	0.366189	0.314084	0.242352	0.71085839	0.61708849	0.54161868	25	28	22
91369	NM_052855	ANKRD40	ankyrin repeat domain 40	-1.143477608	-1.39584336	22.646545	19.824369	15.242849	6.53799843	6.34679007	6.06237645	3609	4217	3180
84553	NM_001346530,NM_001346531	FAXC	failed axon connections homolog	1.01607511	-1.395982161	0.344584	0.352436	0.230687	2.27683528	2.29513766	1.90855849	151	205	133
26150	NM_015653	RIBC2	RIB43A domain with coiled-coils	-1.01383165	-1.395982161	2.813272	2.773869	1.887414	2.27683528	2.2611178	1.90855849	151	199	133
3606	NM_001243211,NM_001562	IL18	interleukin 18	-4.18325195	-1.395993749	131.013527	31.349789	88.073529	7.19992614	5.16612031	6.72250307	5733	1831	5051
163227	NM_001351669,NM_001351670	ZNF100	zinc finger protein 100	-1.35474564	-1.396075553	2.102043	1.582405	1.444987	3.34979977	2.96099164	2.92325564	361	356	318
22868	NM_001136193,NM_001136194	FASTKD2	FAST kinase domains 2	1.339960152	-1.396099118	8.659907	11.601968	5.82871	5.88756138	6.30357242	5.41575311	2285	4091	2013
100505938	NR_125740	LOC100505938	uncharacterized LOC100505938	-5.093903909	-1.396411449	1.217327	0.236518	0.801857	1.18495016	0.31941552	0.93448595	50	13	44
10621	NM_001282526,NM_006466,NR	POLR3F	RNA polymerase III subunit F	1.32681212	-1.396447182	9.440876	12.626658	6.409661	4.39720284	4.78824961	3.94225731	788	1397	694
124790	NM_001303436,NM_001303437	HEXIM2	hexamethylene bisacetamide ind	1.001786185	-1.396867027	12.614094	11.388491	8.06341	4.12129674	4.12372395	3.67153991	644	862	567
84102	NM_001352169,NM_001352170	SLC41A2	solute carrier family 41 member 2	-1.236613571	-1.396870942	2.597734	2.169499	1.787124	3.73914466	3.45802105	3.29907966	485	524	427
7754	NR_002722,NR_024553	ZNF204P	zinc finger protein 204, pseudoge	-1.618193614	-1.397278532	5.499949	3.401185	4.09029	4.49006587	3.83472784	4.03265683	843	696	742
84546	NR_001285	SNORD35B	small nucleolar RNA, C/D box 35	1.036939861	-1.397668426	24.878071	25.800884	16.664848	1.638816	1.67459501	1.32870978	83	115	73
100129461	NR_126015,NR_126016,NR_12	LYRM4-AS1	LYRM4 antisense RNA 1	2.505823067	-1.397804209	0.152943	0.39356	0.08304	0.26755841	0.59904473	0.19530369	8	27	7
51302	NM_001278738,NM_001278739	CYP39A1	cytochrome P450 family 39 subfa	1.76726817	-1.397804209	0.079238	0.147011	0.053338	0.26755841	0.44594451	0.19530369	8	19	7
285386	NM_198485	TPRG1	tumor protein p63 regulated 1	3.982932862	-1.397804209	0.053264	0.230322	0.037286	0.26755841	0.86372326	0.19530369	8	43	7
79895	NM_024837,NR_073596,NR_07	ATP8B4	ATPase phospholipid transportin	1.305671359	-1.397804209	0.034751	0.047445	0.020769	0.26755841	0.3412894	0.19530369	8	14	7
339453	NM_001114748	TMEM240	transmembrane protein 240	-1.330220287	-1.397804209	0.169252	0.140214	0.124002	0.26755841	0.12407631	0.19530369	8	8	7
151516	NM_152792	ASPRV1	aspartic peptidase, retroviral-like	2.228864981	-1.397804209	0.09615	0.215947	0.055165	0.26755841	0.54351856	0.19530369	8	24	7
100128594	NR_146556,NR_146557	LOC100128594	uncharacterized LOC100128594	1.490310084	-1.397804209	0.162094	0.250814	0.106352	0.26755841	0.38406669	0.19530369	8	16	7
84129	NM_032169,NR_132426,NR_13	ACAD11	acyl-CoA dehydrogenase family	1.38057705	-1.397814339	10.284181	14.549321	7.118988	5.37500681	5.83068918	4.9055589	1590	2933	1399
53405	NM_001114086,NM_001256023	CLIC5	chloride intracellular channel 5	-11.05729285	-1.398082742	1.662483	0.189907	1.577112	3.10699502	0.75384785	2.68852679	299	36	263
1675	NM_001317335,NM_001928	CFD	complement factor D	-1.822031239	-1.398211616	2.637207	1.453786	1.773214	1.98354948	1.38978355	1.63800401	116	85	102
644019	NM_001085457	CBWD6	COBW domain containing 6	-1.21473751	-1.398339651	15.538319	12.799964	10.433666	4.75520813	4.4859587	4.29255782	1021	1123	898
22981	NM_001318226,NM_025176	NINL	ninein like	1.311855515	-1.398431946	6.322275	8.34172	4.032559	4.91477587	5.29500126	4.44984345	1145	2007	1007
7407	NM_006295	VARS	valyl-tRNA synthetase	-1.118415552	-1.398571917	22.792742	20.402193	15.313812	6.58889365	6.42920612	6.11088336	3740	4468	3289
63899	NM_022072	NSUN3	NOP2/Sun RNA methyltransfera	1.110780757	-1.398614295	2.630341	2.927133	1.768752	4.16086733	4.30439709	3.70857641	663	984	583
8451	NM_001008895,NM_001278513	CUL4A	cullin 4A	1.003635632	-1.399157294	19.323275	19.321836	12.960046	6.21490924	6.22007467	5.73806086	2877	3858	2529
692086	NR_003045	SNORD17	small nucleolar RNA, C/D box 17	-1.033513674	-1.399230484	4.42852	4.378572	3.020326	1.03161781	1.00745609	0.80366934	41	53	36
29115	NM_001301839,NM_001301855	SAP30BP	SAP30 binding protein	-1.339850559	-1.399528379	72.250134	54.110431	48.695646	7.5917043	7.1721648	7.10974003	7534	7513	6621
100507303	NR_132114	SNHG19	small nucleolar RNA host gene 1	-1.106323987	-1.400004875	47.627495	43.077141	31.954502	4.13391036	3.99682365	3.68088855	650	785	571
93323	NM_001011699,NM_033417	HAUS8	HAUS augmin like complex subu	-1.172174053	-1.400215114	18.757473	16.01137	12.579674	4.78616959	4.56593289	4.32123795	1044	1190	917
11047	NM_001281437,NM_001281438	ADRM1	adhesion regulating molecule 1	1.02962876	-1.40044867	112.529731	116.272925	75.426109	7.34236856	7.38423768	6.86002492	6332	8711	5561
83982	NM_032036	IFI27L2	interferon alpha inducible protein	-1.092847576	-1.400453885	82.754662	75.830727	55.53463	5.2722583	5.14761859	4.80119389	1478	1807	1298
26806	NR_002750	SNORD44	small nucleolar RNA, C/D box 44	1.205325921	-1.400576418	56.016808	67.760963	37.666573	2.11660268	2.32837375	1.75769337	131	211	115
10980	NM_006833	COPS6	COP9 signalosome subunit 6	-1.538590484	-1.400748595	104.611031	68.074448	70.17836	7.19140319	6.57508594	6.70914412	5699	4949	5004
2054	NM_001351049,NM_001351050	STX2	syntaxin 2	-1.546054144	-1.400778358	6.524154	4.111467	4.300233	4.40935908	3.81727465	3.95001076	795	687	698
79133	NM_001039375,NM_024120,NR	NDUFAF5	NADH:ubiquinone oxidoreductas	1.028355467	-1.400841026	12.78828	13.170863	8.570689	4.90744794	4.94646449	4.44024179	1139	1565	1000
80820	NM_030636	EEPD1	endonuclease/exonuclease/phos	-1.248878508	-1.400989325	3.192948	2.559916	2.142739	3.96300655	3.66515371	3.51308411	573	613	503

3987	NM_001193482,NM_001193483	LIMS1	LIM zinc finger domain containing	-1.195389612	-1.401232008	14.191297	11.887809	9.507941	5.9696007	5.71659885	5.49208641	2421	2706	2125
6821	NM_000456,NM_001032386,NM	SUOX	sulfite oxidase	-1.33333271	-1.40125493	11.005063	8.268576	7.139733	4.68836995	4.29181484	4.22386645	973	975	854
23410	NM_001017524,NM_012239	SIRT3	sirtuin 3	1.05983479	-1.401329976	5.27327	5.589915	3.496741	3.96064828	4.03926109	3.51046477	572	810	502
85461	NM_001145909,NM_001350062	TANC1	tetratricopeptide repeat, ankyrin r	-1.075299437	-1.401681571	15.378518	14.468504	10.491787	6.81001704	6.70624377	6.32799908	4366	5425	3831
56105	NM_018914,NM_032091,NM_03	PCDHGA11	protocadherin gamma subfamily	-1.186185334	-1.401684058	0.133874	0.110954	0.087492	0.49317359	0.42561204	0.36729312	16	18	14
126129	NM_001136052,NM_001199752	CPT1C	carnitine palmitoyltransferase 1C	-1.52166906	-1.401684058	0.134906	0.088916	0.086692	0.49317359	0.3412894	0.36729312	16	14	14
144321	NM_001270396,NM_152436,NR	GLIPR1L2	GLI pathogenesis related 1 like 2	-4.184523685	-1.401684058	0.168262	0.039635	0.112609	0.49317359	0.13134883	0.36729312	16	5	14
153770	NM_001029869	PLAC8L1	PLAC8 like 1	2.190563189	-1.401684058	0.545792	1.245027	0.378971	0.49317359	0.92294555	0.36729312	16	47	14
342096	NM_001038640	GOLGA6A	golgin A6 family member A	-1.42118233	-1.401684058	0.130963	0.09097	0.085854	0.49317359	0.36283659	0.36729312	16	15	14
286006	NM_001134468,NM_182597	LSMEM1	leucine rich single-pass membrar	-1.847960208	-1.401711775	3.821482	2.103478	2.293507	2.72326229	2.01116974	2.32103228	220	159	193
10267	NM_001308353,NM_005855	RAMP1	receptor activity modifying protei	-1.569446917	-1.401878635	46.167748	29.393123	30.956797	5.39610359	4.76517332	4.92240621	1614	1374	1416
222234	NM_001145268,NM_001145269	FAM185A	family with sequence similarity 18	-1.624044074	-1.402006258	3.534589	2.160228	2.411533	3.08117507	2.48395571	2.66044767	293	241	257
5777	NM_002831,NM_080548,NM_08	PTPN6	protein tyrosine phosphatase, no	-1.208143501	-1.40214595	28.54865	24.537736	19.995157	6.00550691	5.73736895	5.52684729	2483	2746	2178
389813	NM_001080482	C9orf172	chromosome 9 open reading fran	-1.567315845	-1.402384144	0.721834	0.458074	0.484057	1.61502061	1.21124797	1.30472178	81	69	71
84520	NM_032490	GON7	GON7, KEOPS complex subunit	-1.006861882	-1.402641009	9.381418	9.321233	6.273342	3.55444243	3.5454167	3.11477407	422	560	370
100049716	NR_122124	LOC100049716	uncharacterized LOC100049716	-1.161979366	-1.40271247	2.535825	2.183517	1.695415	2.76169834	2.57907432	2.35646843	227	261	199
8872	NM_006023	CDC123	cell division cycle 123	-1.009727572	-1.402818826	67.59227	67.014427	45.271503	6.68488089	6.67105081	6.20217361	4000	5293	3507
338323	NM_176822	NLRP14	NLR family pyrin domain containi	-2.277448609	-1.402994214	0.157905	0.066655	0.104569	0.68823103	0.3412894	0.52094563	24	14	21
1836	NM_000112	SLC26A2	solute carrier family 26 member 2	-1.536417003	-1.403021266	2.309019	1.504271	1.545241	4.26009342	3.68025029	3.80150191	713	620	625
54888	NM_001193455,NM_017755,NR	NSUN2	NOP2/Sun RNA methyltransferas	-1.076679288	-1.403378259	37.464087	34.819924	25.135419	6.94974401	6.84404761	6.4655267	4814	5974	4219
8493	NM_003620	PPM1D	protein phosphatase, Mg2+/Mn2+	1.049532584	-1.403480728	4.733871	4.973361	3.167804	4.52559963	4.59239547	4.0615736	865	1213	758
8936	NM_001024934,NM_001024935	WASF1	WAS protein family member 1	1.546743205	-1.403497797	3.427353	5.368206	2.195363	3.49701545	4.08048581	3.05850609	404	835	354
80022	NM_001309242	MYO15B	myosin XVB	-3.088153545	-1.403519214	9.932442	3.218707	6.649116	6.54313011	4.9482473	6.0602926	3622	1567	3174
10202	NM_001318835,NM_004	DHRS2	dehydrogenase/reductase 2	1.036040014	-1.403720151	3.795443	3.972792	2.539124	2.84076697	2.88484352	2.43038515	242	335	212
79811	NM_001013843,NM_024755,NR	SLTM	SAFB like transcription modulato	1.034569501	-1.403934545	50.010538	51.805724	33.531805	7.66251756	7.71131082	7.17590715	7915	10941	6934
55279	NM_001350134,NM_001350135	ZNF654	zinc finger protein 654	1.526761178	-1.403984849	5.082778	7.966599	3.466384	5.03733324	5.63261167	4.5653956	1250	2550	1095
3385	NM_001320605,NM_001320606	ICAM3	intercellular adhesion molecule 3	-1.414512707	-1.404121177	4.780461	2.501809	2.359967	3.13654562	2.70251092	2.71151569	306	289	268
3429	NM_001130080,NM_001288952	IFI27	interferon alpha inducible protein	-1.779204472	-1.404179322	395.622121	224.048942	260.464919	7.90640356	7.07983648	7.41909783	9380	7044	8216
23265	NM_001013839,NM_001145297	EXOC7	exocyst complex component 7	1.021772261	-1.404186934	47.07242	47.620092	32.989938	7.71102651	7.74195387	7.22406385	8187	11177	7171
89927	NM_001142469,NM_033201	C16orf45	chromosome 16 open reading fra	-2.584402576	-1.404643977	0.742005	0.286024	0.50119	1.39514558	0.70406985	1.11084509	64	33	56
6222	NM_022551	RPS18	ribosomal protein S18	-1.426692381	-1.404803286	1901.539917	1334.320068	1272.016968	9.97220407	9.46014082	9.48241558	39396	36895	34492
10544	NM_006404	PROCR	protein C receptor	-1.217183064	-1.405111318	22.182556	18.245182	14.835035	5.04736934	4.77324179	4.57420184	1259	1382	1102
3475	NM_001007245,NM_001197079	IFRD1	interferon related developmental	-1.077168577	-1.405157942	17.390437	16.251756	11.719295	5.8421633	5.73685332	5.36155532	2213	2745	1937
255231	NM_001330647,NM_153259	MCOLN2	mucolipin 2	1.354297588	-1.405293219	1.526986	2.068147	1.018212	2.5075876	2.87737723	2.11576522	184	333	161
6917	NM_006756,NM_201437,NR_10	TCEA1	transcription elongation factor A1	1.011156756	-1.405546371	47.486531	47.886671	30.701511	6.99077189	7.00665374	6.50422069	4954	6693	4335
84904	NM_032818	ARHGEF39	Rho guanine nucleotide exchang	-1.072655515	-1.405593611	9.509974	8.871435	6.355845	5.16367889	5.06540544	4.68868621	1368	1704	1197
55015	NM_017922	PRPF39	pre-mRNA processing factor 39	-1.275907949	-1.405893122	41.174107	32.30619	27.521988	6.85768971	6.50958422	6.37122872	4514	4727	3949
83852	NM_001160308,NM_001320699	SETDB2	SET domain bifurcated 2	-1.355829939	-1.405926091	2.014374	1.495498	1.351655	3.72253824	3.3216324	3.27458965	479	472	419
92344	NM_001146039,NM_001320252	GORAB	golgin, RAB6 interacting	-1.126564757	-1.406203182	9.116823	8.405247	6.395849	4.66538426	4.50061221	4.1964253	957	1135	837
27101	NM_001007214,NM_014412	CACYBP	calcyclin binding protein	-1.024148347	-1.406279899	72.593055	70.604404	48.047792	7.74465462	7.7103919	7.2554934	8381	10934	7330
55198	NM_001251904,NM_001251905	APPL2	adaptor protein, phosphotyrosine	-1.391435007	-1.406471959	9.153663	6.587603	6.106914	4.89761911	4.43981671	4.42502316	1131	1086	989
51372	NM_001329417,NM_015933,NR	TMA7	translation machinery associated	-1.266572401	-1.406683522	153.63055	121.442603	102.617291	6.45540274	6.11883712	5.96975643	3406	3593	2978
90850	NM_178167	ZNF598	zinc finger protein 598	1.109222328	-1.406761506	28.781277	31.960819	19.224949	6.57624091	6.72430401	6.08998249	3707	5494	3241
392	NM_004308	ARHGAP1	Rho GTPase activating protein 1	-1.378259679	-1.407034037	19.354158	14.061232	12.927789	6.04332975	5.58871044	5.55952381	2550	2472	2229
285550	NM_001145191	FAM200B	family with sequence similarity 20	-1.008865191	-1.407235472	5.769274	5.729685	3.853456	4.68122618	4.66898984	4.21101796	968	1282	846
6168	NM_000998	RPL37A	ribosomal protein L37a	-1.054421487	-1.407854519	1737.737671	1649.89227	1159.912842	9.49807574	9.39173462	8.97556569	27766	35184	24257
9031	NM_032408	BAZ1B	bromodomain adjacent to zinc fin	-1.485197521	-1.407934625	24.632385	16.602528	16.439552	7.20616104	6.64022606	6.71654946	5758	5180	5030
54980	NM_001348758,NM_001348759	C2orf42	chromosome 2 open reading fran	-1.008638361	-1.408043885	2.82351	3.11959	2.055267	3.14487866	3.13387411	2.71606984	308	408	269
64852	NM_022830	TUT1	terminal uridylyl transferase 1, U6	-1.102562304	-1.408046749	19.092693	17.33411	12.744331	5.74273104	5.60462399	5.25995683	2063	2500	1802
6490	NM_001200053,NM_001200054	PMEL	premelanosome protein	-1.822009297	-1.408079947	2.843383	1.560007	1.783337	2.72881625	2.03149389	2.32103228	221	162	193
717	NM_000063,NM_001145903,NM	C2	complement C2	-1.93036058	-1.408128429	0.554904	0.348458	0.363563	1.26358189	0.7861039	0.99569924	55	38	48
116224	NM_138333	FAM122A	family with sequence similarity 12	1.069364806	-1.408322912	3.884736	4.162202	2.594818	3.97005831	4.0608449	3.51308411	576	823	503
51057	NM_001042692,NM_015910,NR	WDPCP	WD repeat containing planar cell	1.199701488	-1.408323123	0.99436	1.226497	0.660566	2.07360076	2.278228	1.71282633	126	202	110
55573	NM_001134422,NM_001134423	CDV3	CDV3 homolog	1.712448671	-1.408351954	41.067971	70.465583	29.17978	7.243985	8.0160915	6.75384724	5912	13527	5163
8318	NM_001178010,NM_001178011	CDC45	cell division cycle 45	1.111029184	-1.408482814	40.945847	45.446396	27.362926	6.3175332	6.46762604	5.83074031	3092	4590	2700
1075	NM_001114173,NM_001814,NM	CTSC	cathepsin C	-1.793545768	-1.409206179	194.118189	106.803279	153.478397	8.84769179	8.00735333	8.3540863	18048	13445	15752
6015	NM_002931	RING1	ring finger protein 1	1.1551351	-1.409543439	21.485332	24.850813	14.326604	5.22391452	5.42679658	4.74436548	1428	2204	1246
5903	NM_006267	RANBP2	RAN binding protein 2	1.246428624	-1.409704579	12.80335	15.977859	8.534403	7.19967618	7.51554009	6.70828721	5732	9546	5001
5531	NM_001303503,NM_001303504	PPP4C	protein phosphatase 4 catalytic s	1.076391213	-1.409754325	121.949249	131.495271	81.061495	7.40029041	7.50588837	6.9083318	6593	9482	5752
225689	NM_139021	MAPK15	mitogen-activated protein kinase	1.087786149	-1.409948951	2.379254	2.592366	1.583343	2.4278825	2.52753672	2.0378728	172	250	150
80726	NM_001145304,NM_001145305	KIAA1683	KIAA1683	-1.293059063	-1.410053781	0.181354	0.140665	0.120048	0.83964067	0.68708806	0.64076093	31	32	27
9275	NM_001197244,NM_001301061	BCL7B	BCL tumor suppressor 7B	-1.529764481	-1.410181931	24.727703	16.279661	16.45033	5.40740349	4.81194204	4.92535894	1627	1421	1419
7372	NM_000373,NM_033434,NR_03	UMPS	uridine monophosphate syntheta	1.868703917	-1.410278448	6.860439	12.838547	4.573055	5.52379552	6.4112222	5.0405875	1767	4412	1541
27132	NM_014427,NM_153636	CPNE7	copine 7	1.626055565	-1.410433855	19.303141	31.611729	12.857084	5.57788058	6.26761296	5.09405028	1836	3989	1601
92342	NM_001320199,NM_001320201	METTL18	methyltransferase like 18	-1.18244004	-1.41083775	10.590487	8.843445	7.010115	4.04320744	3.81727465	3.58206614	608	687	530
283726	NM_001008226,NM_001348699	SAXO2	stabilizer of axonemal microtubul	2.077586385	-1.411587911	0.46203	0.551354	0.288887	0.66524311	1.15059938	0.49997203	23	64	20
6187	NM_002952	RPS2	ribosomal protein S2	-1.068321036	-1.412082061	2078.289795	1947.527344	1383.067993	10.89716848	10.80187477	10.39965536	74834	93593	65181
26151	NM_001305077,NM_001305078	NAT9	N-acetyltransferase 9 (putative)	-1.190030042	-1.412114449	46.278628	39.085669	30.764668	6.49871456	6.25073686	6.00739874	3511	3942	3058
4929	NM_006186	NR4A2	nuclear receptor subfamily 4 grou	-1.091449541	-1.412411269	2.575501	2.363422	1.71494	3.30216484	3.18919702	2.86293141	348	426	303
85313	NM_139126	PPIL4	peptidylprolyl isomerase like 4	-1.054102444	-1.412486065	25.1511	23.888638	16.735624	5.97895271	5.90417123	5.49009354	2437	3089	2122
254896	NR_046173	LOC254896	uncharacterized LOC254896	-1.036779171	-1.412969187	5.030505	4.852727	3.338527	2.82529613	2.78063431	2.40804223	239	308	208
79759	NM_001172668,NM_001172669	ZNF668	zinc finger protein 668	-1.175693358	-1.412986869	6.949536	5.770399	4.526673	4.29794868	4.07723084	3.82909231	733	833	638
79140	NM_001301011,NM_024296	CCDC28B	coiled-coil domain containing 28E	1.2496184	-1.413064048	2.13403	2.672534	1.270273	1.82664439	2.06474386	1.4863075	100	167	87
80237	NM_025165	ELL3	elongation factor for RNA polyme	-1.90184673	-1.413211971	7.150763	3.764862	4.753433	3.97474042	3.12759409	3.51308411	578	406	503
494115	NM_001162536,NM_019610	RBMXL1	RNA binding motif protein, X-link	-1.115742523	-1.413636778	4.110741	3.687608	2.759605	4.41797983	4.26774474	3.94613924	800	958	696
1869	NM_005225	E2F1	E2F transcription factor 1	1.107096257	-1.413866266	50.114197	55.546803	33.312241	7.05269891	7.19843085	6.55753084	5173	7652	4500
653635	NR_024540	WASH7P	WAS protein family homolog 7 ps	-1.031912033	-1.414146026	48.35347	46.914413	32.125927	6.39729853	6.35252315	5.90441835	3270	4234	2844
115024	NM_052935,NR_033464,NR_03	NT5C3B	5'-nucleotidase, cytosolic IIIB	1.019314441	-1.414162892	30.912505	32.41943	21.062646	5.60020041	5.6270574	5.11230382	1865	2540	1622
51095	NM_001302946,NM_182916	TRNT1	tRNA nucleotidyl transferase 1	1.000763699	-1.414430352	12.129826	12.157992	8.029574	4.79413839	4.79520018	4.31524723	1050	1404	913
132989	NM_144645	C4orf36	chromosome 4 open reading fran	-4.193008096	-1.414556915	1.092416	0.24052	0.713628	0.97665845	0.29720487	0.75138414	38	12	33
140862	NM_080826	ISM1	isthmin 1	1.196096103	-1.41475684	0.149497	0.181347	0.092691	0.46682716	0.54351856	0.34394329	15	24	13
401585	NR_125365	LOC401585	uncharacterized LOC401585	1.097011744	-1.41475684	1.03716	1.115755	0.669706	0.46682716	0.50527715	0.34394329	15	22	13
121793	NM_001303133,NM_152324	TEX29	testis expressed 29	-2.478798657	-1.41475684	0.500136	0.169359	0.299927	0.46682716	0.20477631	0.34394329	15	8	13
55167	NM_001145417,NM_018133	MSL2	male-specific lethal 2 homolog (D	1.198173318	-1.414812397	8.555007	10.204454	5.574579	5.08466566	5.33847259	4.60153379	1293	2070	1124
79720	NM_024667	VPS37B	VPS37B, ESCRT-I subunit	-1.39282378	-1.414915415	50.946693	36.615845	33.836342	7.10194744	6.62804307	6.60557013	5354	5136	4654
348110	NM_001282380,NM_182616	ARPIN	actin related protein 2/3 complex	-1.149670626	-1.414923337	4.91769	4.28054	3.167045	4.91721027	4.72309898	4.43610715	1147	1333	997
81689	NM_030940	ISCA1	iron-sulfur cluster assembly 1	1.207328294	-1.414997369	16.278053	19.673063	10.809273	5.03285024	5.29710129	4.55017297	1246	2010	1083
91543	NM_080657	RSAD2	radical S-adenosyl methionine do	-1.840013347	-1.415431499	3.173395	1.725127	2.109319	3.56999691	2.78861701	3.11821901	427	310	371
55037	NM_017952	PTCD3	pentatricopeptide repeat domain	-1.118950373	-1.415638241	20.875679	18.676735	13.858204	7.10728754	6.94638217	6.61016492	5374	6417	4669
55238	NM_001308384,NM_018231	SLC38A7	solute carrier family 38 member 7	1.307983604	-1.416415283	7.553726	9.89339	5.01147	4.95324168	5.32960894	4.47020574	1177	2057	1022
64425	NM_001282766,NM_022490	POLR1E	RNA polymerase I subunit E	1.149895345	-1.416519339	9.001219	10.321244	5.983695	4.12340669	4.31410799	3.65503258	645	991	560
285346	NM_001287349	ZNF852	zinc finger protein 852	-1.107815906	-1.416578952	0.902439	0.807743	0.595823	1.44997615	1.3579479	1.15176086	68	82	59
147007	NM_152464	TMEM199	transmembrane protein 199	1.049714596	-1.41678081	9.758516	10.261462	6.473988	4.95086738	5.01865969	4.46750731	1175	1648	1020
11193	NM_007187	WBP4	WW domain binding protein 4	-1.145702863	-1.417454976	6.716175	5.873552	4.457881	4.19537543	4.01053992	3.72448562	680	793	590
285613	NM_001130029,NM_173828	RELL2	RELT like 2	1.36048074	-1.417682247	8.212215	11.269921	5.649746	4.3919615	4.81780485	3.9167669	785	1427	681
26122	NM_015630	EPC2	enhancer of polycomb homolog 2	1.523555035	-1.417919166	4.815571	7.349814	3.18983	4.1772093	4.75705948	3.70628928	671	1366	582
6135	NM_000975,NM_001199802	RPL11	ribosomal protein L11	-1.113180977	-1.418029247	1297.166076	1166.528115	859.679474	9.64629437	9.4918094	9.14315732	31422	37715	27254
91010	NM_175736,NM_198900	FMNL3	formin like 3	1.483591123	-1.418140989	0.401004	0.599046	0.266997	2.43469539	2.91432819	2.0378728	173	343	150
78994	NM_001320464,NM_024031	PRR14	proline rich 14	-1.032575305	-1.418237674	23.983879	23.411391	16.104194	5.67960666	5.63427379	5.18719863	1973	2553	1711

5111	NM_002592,NM_182649	PCNA	proliferating cell nuclear antigen	1.244383779	-1.418252273	281.437258	350.553754	186.417028	8.50218677	8.81683877	7.99973106	14196	23603	12311
50614	NM_001122636,NM_021808	GALNT9	polypeptide N-acetylgalactosamii	1.058683286	-1.418255035	3.098494	3.288224	2.050869	3.17773766	3.2511683	2.73862739	316	447	274
93550	NM_001128324,NM_001282905	ZFAND4	zinc finger AN1-type containing 4	-1.754017234	-1.418350305	1.712308	1.354928	1.225514	2.71208982	2.05815489	2.29691521	218	166	189
54780	NM_001167865,NM_017615	NSMCE4A	NSE4 homolog A, SMC5-SMC6	-1.174214661	-1.418784018	19.699822	16.796989	13.039139	4.80600967	4.58324605	4.32273175	1059	1205	918
8439	NM_001144772,NM_003580	NSMAF	neutral sphingomyelinase activat	-1.16096665	-1.418978711	20.795397	17.953802	13.769079	6.19498399	5.98281518	5.69833481	2837	3265	2459
2193	NM_004461	FARSA	phenylalanyl-tRNA synthetase al	1.223643469	-1.419171131	39.908051	48.891354	26.424641	6.18995938	6.47753628	5.69314689	2827	4622	2450
440081	NR_033399	DDX12P	DEAD/H-box helicase 12, pseud	-1.202464701	-1.419406573	21.551018	17.946722	14.270693	6.37577691	6.11328594	5.87773632	3221	3579	2791
25852	NM_001267041,NM_001267042	ARMC8	armadillo repeat containing 8	1.33294727	-1.419440501	9.902464	13.110686	6.690251	5.45676729	5.86318092	4.96511882	1685	3001	1460
1445	NM_001127190,NM_004383	CSK	CSK, non-receptor tyrosine kinas	-1.323553591	-1.419474867	24.556554	18.271653	15.994551	6.03270421	5.6353808	5.5365351	2531	2555	2193
5365	NM_001163257,NM_005393	PLXNB3	plexin B3	1.362123016	-1.419498404	5.893073	7.831747	3.899122	5.19611722	5.63150252	4.70710452	1400	2548	1213
9956	NM_006043	HS3ST2	heparan sulfate-glucosamine 3-s	-1.472004309	-1.419593642	1.29644	0.87911	0.85275	1.79522562	1.42093184	1.45395569	97	88	84
116843	NM_052831	SLC18B1	solute carrier family 18 member B	-1.216369207	-1.419605731	8.87721	7.300331	5.876473	4.45698495	4.18850877	3.97872063	823	904	713
257169	NM_001278629,NM_001278630	C9orf43	chromosome 9 open reading fran	1.373395198	-1.419789314	0.829591	1.107365	0.530608	1.43646263	1.74192207	1.13825079	67	123	58
6455	NM_001199943,NM_001199944	SH3GL1	SH3 domain containing GRB2 lik	1.116924485	-1.419965285	43.87775	49.247772	29.146616	6.72085665	6.87904981	6.22072016	4102	6122	3553
654342	NR_027238	LOC654342	lymphocyte-specific protein 1 pse	1.420015374	-1.420464123	12.206384	17.386917	8.089187	3.0370876	3.49019467	2.60259472	283	537	245
116447	NM_001258446,NM_001258447	TOP1MT	topoisomerase (DNA) I, mitochor	1.026566737	-1.420828952	17.857744	18.369807	11.812463	5.12629213	5.16305312	4.63678882	1332	1827	1153
252884	NM_001322286,NM_001322290	ZNF396	zinc finger protein 396	1.227495327	-1.420859857	0.593682	0.85154	0.392937	1.70793493	1.9196316	1.37552141	89	146	77
9616	NM_001201370,NM_014245,NM	RNF7	ring finger protein 7	-1.020358435	-1.420907503	45.522298	44.536229	30.04683	6.50196181	6.47320892	6.00181463	3519	4608	3046
6146	NM_000983	RPL22	ribosomal protein L22	-1.374401703	-1.421042606	238.749908	173.902679	157.876419	8.92381546	8.46612046	8.41811227	19028	18498	16469
5167	NM_006208	ENPP1	ectonucleotide pyrophosphatase/	3.187216966	-1.42107969	0.076607	0.246154	0.048372	0.64188297	1.48128072	0.47868902	22	94	19
102723505	NR_110876	LINC02095	long intergenic non-protein codin	-1.628049455	-1.42107969	1.566979	0.958615	1.041311	0.64188297	0.42561204	0.47868902	22	18	19
154796	NM_001113490,NM_133265	AMOT	angiomotin	2.203107558	-1.421205187	0.276403	0.613986	0.182801	1.5285023	2.36620557	1.21747621	74	218	64
79707	NM_024654	NOL9	nucleolar protein 9	1.300624114	-1.421215537	6.078193	7.91508	4.018251	5.34819447	5.71921153	4.85586838	1560	2711	1350
84985	NM_001288587,NM_001321630	FAM83A	family with sequence similarity 8	-3.209646396	-1.421236351	1.487057	0.522307	1.078391	2.46828542	1.26944952	2.06668624	178	74	154
114609	NM_001039661,NM_001318776	TIRAP	TIR domain containing adaptor p	-1.889073571	-1.421387006	2.736259	1.452827	1.767703	2.69516719	1.96260273	2.27855908	215	152	186
84519	NM_032489	ACRBP	acrosin binding protein	1.002137165	-1.421726094	0.811485	0.814011	0.538831	1.32354034	1.32539385	1.03996283	59	79	51
83608	NM_001201474,NM_001201475	C18orf21	chromosome 18 open reading fra	-1.033522893	-1.421731454	12.834432	12.49292	8.508949	3.84777676	3.80355245	3.38166197	526	680	455
55512	NM_018667	SMPD3	sphingomyelin phosphodiesteras	-10.10743566	-1.421885441	1.465281	0.144534	0.970137	3.09414281	2.80196545	2.65571422	296	39	256
6799	NM_001054,NM_177528	SULT1A2	sulfotransferase family 1A memb	1.715758721	-1.421940981	3.174644	5.236588	1.916245	2.13345087	2.76857683	1.75769337	133	305	115
132299	NM_001014446,NM_001286773	OCIAD2	OCIA domain containing 2	-1.076254045	-1.422082605	122.484745	114.544238	81.677066	6.57931844	6.47444664	6.07764901	3715	4612	3213
6602	NM_003076,NM_139071	SMARCD1	SWI/SNF related, matrix associat	-1.051337515	-1.422248195	18.783591	17.872032	12.422017	5.98940177	5.91833801	5.49075814	2455	3120	2123
51530	NM_001282190,NM_001282191	ZC3HC1	zinc finger C3HC-type containing	-1.290168874	-1.422517265	15.375934	11.932726	10.128181	4.92327834	4.56941219	4.4347263	1152	1193	996
149465	NM_001167965,NM_001195831	CFAP57	cilia and flagella associated prote	1.156291295	-1.422602121	0.27444	0.33422	0.182477	1.08456011	1.19932051	0.83750224	44	68	38
7978	NM_001301134,NM_001301135	MTERF1	mitochondrial transcription termir	-1.232845713	-1.423200521	8.040461	6.605691	5.465681	4.09788139	3.81532231	3.62386582	633	686	547
541471	NR_015395,NR_024373,NR_13(	MIR4435-2HG	MIR4435-2 host gene	1.223661104	-1.423216695	87.817296	110.699184	57.370275	5.93097218	6.21785938	5.43176167	2356	3852	2036
63877	NM_001134672,NM_022063	FAM204A	family with sequence similarity 20	-1.092903138	-1.423425289	6.972897	6.425463	4.586651	4.28857758	4.16723545	3.8100476	728	890	629
1984	NM_001143760,NM_001143761	EIF5A	eukaryotic translation initiation fa	1.001557561	-1.423834157	329.697128	325.229373	217.467754	8.73008107	8.73232114	8.2217351	16632	22257	14367
339230	NM_199287	CCDC137	coiled-coil domain containing 137	-1.074628325	-1.424016053	38.140762	35.536709	25.169996	6.30921596	6.20673159	5.80692233	3074	3822	2655
170689	NM_139055	ADAMTS15	ADAM metallopeptidase with thro	1.218520477	-1.424221212	4.422318	5.396268	2.916101	4.66972207	4.94467948	4.18332896	960	1563	829
27316	NM_001164803,NM_002139,NR	RBMX	RNA binding motif protein, X-linke	1.245121268	-1.424332476	164.32673	204.523421	108.584775	8.37369777	8.68912985	7.86525102	12983	21599	11211
400945	NR_135287	LINC01376	long intergenic non-protein codin	-1.139049013	-1.42438422	0.37649	0.339458	0.253193	0.79797761	0.72085408	0.60191771	29	34	25
256309	NM_001145411,NM_152775	CCDC110	coiled-coil domain containing 110	1.572181702	-1.42438422	0.259599	0.418787	0.172318	0.79797761	1.11294744	0.60191771	29	61	25
654322	NR_002922	SNORA13	small nucleolar RNA, H/ACA box	-1.546774711	-1.42438422	5.599172	3.54589	3.632201	0.79797761	0.56226574	0.60191771	29	25	25
51668	NM_001316935,NM_016126,NR	HSPB11	heat shock protein family B (sma	-1.14908063	-1.424432143	60.966794	52.979538	39.841501	5.54520135	5.34930747	5.04783138	1794	2086	1549
2678	NM_001288833,NM_013421,NM	GGT1	gamma-glutamyltransferase 1	1.414315306	-1.424435197	10.484268	15.057023	6.747436	4.76064069	5.24511195	4.27280082	1025	1937	885
134492	NM_001329991,NM_145268,NR	NUDCD2	NudC domain containing 2	-1.059279605	-1.424608704	6.00599	5.704284	3.958459	5.63888808	5.55751527	5.14052934	1917	2418	1655
7637	NM_001127372,NM_001289971	ZNF84	zinc finger protein 84	-1.139977714	-1.424629877	8.404178	7.460443	5.607094	5.8906616	5.70504655	5.39033409	2290	2684	1977
57577	NM_020817	CCDC191	coiled-coil domain containing 191	1.366368668	-1.424970743	7.735504	10.58122	5.101991	4.95205502	5.38988468	4.46073909	1176	2147	1015
1345	NM_004374	COX6C	cytochrome c oxidase subunit 6C	-1.724026601	-1.425003854	282.377716	163.966171	186.211349	7.99001178	7.20832136	7.48144883	9942	7705	8581
257358	NR_026945,NR_108024,NR_10(	LINC01366	long intergenic non-protein codin	4.859283377	-1.425153826	0.081238	0.395567	0.047069	0.23670415	0.90836632	0.16897038	7	46	6
8807	NM_003853	IL18RAP	interleukin 18 receptor accessory	1.594696474	-1.425153826	0.062501	0.102742	0.044901	0.23670415	0.36283659	0.16897038	7	15	6
109616975	NR_145749	SNORA74D	small nucleolar RNA, H/ACA box	-1.545802484	-1.425153826	1.145815	0.752042	0.746261	0.23670415	0.15624221	0.16897038	7	6	6
8332	NM_003511	HIST1H2AL	histone cluster 1 H2A family mem	1.700005729	-1.425153826	0.33728	0.640036	0.248853	0.23670415	0.38406669	0.16897038	7	16	6
140803	NM_001177310,NM_001177311	TRPM6	transient receptor potential cation	1.700005729	-1.425153826	0.021102	0.037226	0.014211	0.23670415	0.38406669	0.16897038	7	16	6
7381	NM_001199975,NM_001254752	UQCRB	ubiquinol-cytochrome c reductase	-1.562049826	-1.425224999	44.95596	28.958099	29.638509	7.7491025	7.10941596	7.24075341	8407	7191	7255
348235	NM_001100595,NM_001330399	SKA2	spindle and kinetochore associat	-1.616095454	-1.425521711	40.521436	25.07455	26.720066	6.88654921	6.2015091	6.38022359	4606	3808	3974
654434	NR_027058	SNHG20	small nucleolar RNA host gene 2	1.190669085	-1.425848795	11.136654	13.280791	7.343369	4.61678723	4.85913858	4.12972136	924	1470	797
101929634	NR_135293	LINC02280	long intergenic non-protein codin	-1.351074961	-1.425941835	0.591286	0.438942	0.388548	1.6852613	1.40024122	1.35230545	87	86	75
1649	NM_001195053,NM_001195054	DDIT3	DNA damage inducible transcript	-1.385367154	-1.426085443	92.941797	69.475492	62.347716	6.63139796	6.16671138	6.12550705	3853	3716	3323
4809	NM_001003796,NM_005008	SNU13	small nuclear ribonucleoprotein 1	-1.067804782	-1.426103056	78.997696	73.591476	51.864639	6.91423351	6.8203942	6.40722858	4696	5876	4050
79449	NM_001303143,NM_024511	HAUS3	HAUS augmin like complex subu	-1.110588179	-1.426135668	21.845434	19.556116	14.55214	5.66664345	5.51844844	5.16655045	1955	2352	1686
284021	NM_001085423,NM_001291316	MLR1	mast cell immunoglobulin like rec	-1.385571128	-1.426251087	120.689506	87.198932	79.513499	6.2326096	6.7694873	6.7285132	2913	2809	2512
23022	NM_001166108,NM_001166109	PALLD	palladin, cytoskeletal associated	1.677835386	-1.426457594	3.410085	6.719549	2.600211	4.19938147	4.91399145	3.71995801	682	1529	588
79977	NM_001330593,NM_024915	GRHL2	grainyhead like transcription facto	1.064133886	-1.42650448	19.446383	20.959884	12.960177	6.66074993	6.74957232	6.1543171	3933	5592	3391
9958	NM_001252078,NM_001252079	USP15	ubiquitin specific peptidase 15	-1.284884154	-1.426517955	10.311296	7.887452	6.136376	6.11612463	6.76038336	5.61239193	2684	2791	2314
284106	NM_001136498	CISD3	CDGSH iron sulfur domain 3	1.083981095	-1.42743741	10.179014	11.046029	6.700719	4.76199564	4.87422123	4.27105417	1026	1486	884
55686	NM_018000	MREG	melanoregulin	-1.342946396	-1.427515741	6.344077	4.731563	4.176517	4.38318339	3.98123534	3.8988521	780	776	672
837	NM_001225,NM_033306	CASP4	caspase 4	-1.334765304	-1.42788794	59.164236	44.388912	38.943046	6.26784903	5.8575	5.76193249	2986	2989	2572
5710	NM_001330692,NM_002810	PSMD4	proteasome 26S subunit, non-AT	-1.325358104	-1.427916687	147.590743	111.250728	97.144705	7.58808028	7.18412884	7.07736421	7515	7576	6473
27079	NM_001286407,NM_152260	RPUSD2	RNA pseudouridylate synthase d	-1.109482459	-1.428410721	8.8416	7.938595	5.733032	4.24466875	4.10306728	3.76240724	705	849	607
84337	NM_032377	ELOF1	elongation factor 1 homolog	1.100746386	-1.428686834	39.484409	43.509449	25.964603	5.32821046	5.46341106	4.82879013	1538	2262	1324
27158	NM_001144026,NM_001144027	NDOR1	NADPH dependent diflavin oxido	1.120539582	-1.428890854	31.629438	35.497466	20.74875	7.22961095	7.39277294	6.7188204	5853	8763	5038
10329	NM_001278237,NM_014254	TMEM5	transmembrane protein 5	-1.044945193	-1.428977354	16.173861	15.485486	10.633349	4.99532414	4.9339228	4.49955999	1213	1551	1044
5698	NM_002800	PSMB9	proteasome subunit beta 9	-1.546017482	-1.429067261	41.906784	27.138895	27.546934	5.45173831	4.8410207	4.95069932	1679	1451	1445
6880	NM_001015892,NM_003187	TAF9	TATA-box binding protein associa	1.183491588	-1.429084316	101.829312	118.702665	67.113077	6.96482533	7.20608793	6.45466729	4865	7693	4187
10657	NM_001271878,NM_006559,NR	KHDRBS1	KH RNA binding domain containi	-1.611906878	-1.429427789	66.466587	42.759179	45.959921	7.54524454	6.8611818	7.03311034	7294	6046	6276
9349	NM_000978	RPL23	ribosomal protein L23	-1.226190882	-1.429590676	1754.359131	1432.317827	1153.201904	9.94629084	9.65243709	9.43131549	38694	42163	33290
27288	NM_014469	RBMXL2	RNA binding motif protein, X-linke	-4.549545269	-1.429983668	0.166512	0.033646	0.101766	0.43999062	0.10601836	0.32020933	14	4	12
347475	NM_001101357	CCDC160	coiled-coil domain containing 160	1.599207805	-1.429983668	0.281754	0.443484	0.174676	0.43999062	0.65251278	0.32020933	14	30	12
102546298	NR_105061	NDST1-AS1	NDST1 antisense RNA 1	-2.638770474	-1.429983668	0.898624	0.311856	0.56794	0.43999062	0.18071335	0.32020933	14	7	12
83732	NM_001348194,NM_031480	RIOK1	RIO kinase 1	-1.022811582	-1.430245314	7.679952	7.502221	5.048739	4.28857758	4.2577156	3.80364308	728	951	626
78989	NM_001255982,NM_001255983	COLEC11	collectin subfamily member 11	-3.462182952	-1.430977994	1.179461	0.340738	0.814214	1.57857476	0.65251278	1.25551499	78	30	67
159090	NM_001166599,NM_001166600	FAM122B	family with sequence similarity 12	1.015472451	-1.431429108	25.512343	26.186908	17.025126	6.40858912	6.43048214	5.8984202	3296	4472	2832
51593	NM_001128852,NM_001128853	SRRT	serrate, RNA effector molecule	-1.069260394	-1.431510987	76.816663	71.902526	50.440589	7.81911551	7.72294346	7.30432291	8827	11030	7584
6921	NM_001204857,NM_001204858	ELOC	elongin C	-1.151949624	-1.431513375	52.883698	45.872555	34.329529	6.73645179	6.53442299	6.22472066	4147	4810	3563
100422894	NR_036213	MIR4260	microRNA 4260	1.387972601	-1.431618094	8.000142	11.387375	5.341706	0.61813834	0.80196545	0.45708734	21	39	18
145165	NR_002183	ST13P4	ST13, Hsp70 interacting protein p	-1.473205693	-1.431618094	0.328722	0.22094	0.217564	0.61813834	0.44594451	0.45708734	21	19	18
84830	NM_001143948,NM_032744	ADTRP	androgen dependent TFPI regula	-1.406574249	-1.431812373	1.380298	0.981947	0.912014	1.81624731	1.48128072	1.46482043	99	94	85
54737	NM_017520	MPHOSPH8	M-phase phosphoprotein 8	-1.245615895	-1.432122609	9.023366	7.256298	5.924171	5.26749617	4.95978213	4.76539014	1473	1580	1265
11117	NM_007046	EMILIN1	elastin microfibril interfacer 1	-1.383577046	-1.432439975	0.184913	0.131766	0.120359	0.77668602	0.59904473	0.58209675	28	27	24
5013	NM_001199770,NM_014562,NR	OTX1	orthodenticle homeobox 1	1.092093807	-1.432576377	2.050423	2.317532	1.374638	2.79384765	2.90334193	2.36229074	233	340	200
100129781	NR_132983,NR_132984	MIR193BHG	MIR193B host gene	3.13689099	-1.432934608	1.104571	3.561189	0.839655	0.91952222	1.92688293	0.69713258	35	147	30
282997	NR_026932	PDCD4-AS1	PDCD4 antisense RNA 1	-1.501856261	-1.433816755	0.817046	0.541003	0.525844	1.3810603	1.04792463	1.08290869	63	56	54
5894	NM_002880	RAF1	Raf-1 proto-oncogene, serine/thr	-1.058965667	-1.433893112	30.153461	28.502571	19.758274	6.60219306	6.52041022	6.08866808	3775	4763	3238
55208	NM_001014283	DCUN1D2	defective in cullin neddylation 1 d	-1.037322559	-1.434069221	7.937899	7.668169	5.205594	4.61078387	4.56011536	4.11600233	920	1185	789
55081	NM_018010	IFT57	intraflagellar transport 57	2.08593224	-1.434112869	10.32168	21.557674	6.759801	5.05291493	6.09086509	4.55144767	1264	3523	1084
374666	NR_003659	WASH3P	WAS protein family homolog 3 ps	-1.041380117	-1.434217375	21.781633	20.943722	14.270132	5.78599633	5.72857817	5.27700936	2127	2729	1824
401149	NR_037596	LINC01061	long intergenic non-protein codin	-1.087120933	-1.434225118	7.960949	7.335018	5.218655	5.26176079	5.14451177	4.75767981	1467	1803	1258
57455	NM_020695	REXO1	RNA exonuclease 1 homolog	-1.160399118	-1.434766389	19.796524	17.079517	12.964759	6.48072286	6.26868349	5.96689327	3467	3992	2972

401466	NM_001099670,NM_001099671	C8orf59	chromosome 8 open reading fran	-1.288835401	-1.434886215	52.572304	40.861303	34.305702	5.57093993	5.2135877	5.06310491	1827	1894	1566
23741	NM_014335	EID1	EP300 interacting inhibitor of diff	1.223205807	-1.434964599	52.793526	64.649956	34.566502	6.76139267	7.04963781	6.24613375	4220	6897	3617
522	NM_001003696,NM_001003697	ATP5J	ATP synthase, H+ transporting, r	-1.087077814	-1.435260837	72.069208	68.52971	46.335879	6.43090861	6.31190478	5.91683495	3348	4115	2869
1736	NM_001142463,NM_001288747	DKC1	dyskerin pseudouridine synthase	1.150331793	-1.435594	66.829068	79.141081	43.958505	7.49499965	7.69600701	6.9768214	7043	10825	6034
25983	NM_001042635,NM_015514	NGDN	neuroguidin	-1.134256834	-1.435837663	67.327261	59.681813	44.458456	6.30643285	6.12712406	5.79244048	3068	3614	2628
64981	NM_023937	MRPL34	mitochondrial ribosomal protein L	-1.375215256	-1.435896111	44.629745	32.49641	29.21818	5.42888842	4.98170859	4.92142062	1652	1605	1415
100507458	NR_110900	ZNF213-AS1	ZNF213 antisense RNA 1 (head t	1.30950936	-1.436206287	3.047975	4.012845	1.995706	2.12505137	2.43393638	1.73991364	132	231	113
5683	NM_002787	PSMA2	proteasome subunit alpha 2	-1.374152018	-1.436272566	132.335648	96.410553	86.575462	7.56711208	7.11140631	7.04808823	7406	7201	6342
51629	NM_001143780,NM_001321240	SLC25A39	solute carrier family 25 member 3	-1.062219188	-1.436352083	165.123517	155.842438	108.183235	8.02400866	7.93727104	7.5040088	10180	12805	8717
114804	NM_001330501,NM_052916	RNF157	ring finger protein 157	-1.578810994	-1.43653255	2.154627	1.365774	1.406285	3.49375703	2.90701332	3.02586351	403	341	345
23431	NM_001252127,NM_007347	AP4E1	adaptor related protein complex 4	1.023036938	-1.436562796	3.223491	3.306016	2.11002	4.47527325	4.50667419	3.98061446	834	1140	714
10036	NM_005483	CHAF1A	chromatin assembly factor 1 subu	1.221961488	-1.43657545	23.496162	28.747639	15.369292	6.27593335	6.56175561	5.7613818	3003	4903	2571
56134	NM_018899,NM_031883	PCDHAC2	protocadherin alpha subfamily C,	-1.163474178	-1.436656034	1.05387	0.917996	0.695435	2.80965758	2.6243808	2.37386535	236	271	202
90025	NM_001304437,NM_001350602	UBE3D	ubiquitin protein ligase E3D	-1.410430279	-1.436889317	2.550269	1.395277	1.705236	2.65489157	2.24959721	2.22843599	208	197	178
25974	NM_001330540,NM_015506	MMACHC	methylmalonic aciduria (cobalam	1.170569735	-1.437002072	2.854065	3.349186	1.865293	3.16140171	3.36498779	2.70694712	312	488	267
285141	NM_001289947,NM_001290030	ERICH2	glutamate rich 2	1.348583452	-1.437110168	3.869562	5.204915	2.718397	2.52684435	2.89227137	2.10885534	187	337	160
23229	NM_001173479,NM_001173480	ARHGEF9	Cdc42 guanine nucleotide excha	1.117597849	-1.437477554	3.981398	4.612703	2.666833	4.44691093	4.60035389	3.95194263	817	1220	699
55206	NM_001167856,NM_018183	SBNO1	strawberry notch homolog 1	-1.198522602	-1.437785679	7.952809	6.643291	5.197286	6.49138142	6.23329549	5.97451578	3493	3894	2988
25950	NM_001128142,NM_001199682	RWDD3	RWD domain containing 3	-1.336073721	-1.438006713	20.072259	15.43461	13.539646	4.70959142	4.30995418	4.20940382	988	988	845
100422872	NR_036263_chr12,NR_036263_	MIR1244-3	microRNA 1244-3	-1.27222547	-1.438066336	114.483505	90.116264	74.762878	3.34257292	3.03332122	2.8792661	359	377	307
51531	NM_001330725,NM_016481	TRMO	tRNA methyltransferase O	1.007208323	-1.438252581	7.549341	7.546186	4.955703	3.7336304	3.74321825	3.2559454	483	650	413
119016	NM_001276343,NM_001291379	AGAP4	ArfGAP with GTPase domain, an	-1.760105268	-1.438538386	12.780741	7.314243	8.386906	5.02722683	4.24471769	4.52184068	1241	942	1061
84626	NM_001290187,NM_032534	KRBA1	KRAB-A domain containing 1	1.652065857	-1.439185721	0.612139	1.037286	0.41388	1.78459878	2.33383942	1.43197761	96	212	82
5091	NM_000920,NM_001040716,NM	PC	pyruvate carboxylase	2.393193566	-1.439279175	9.241373	22.152238	5.766321	5.21206691	6.44822903	4.70366895	1416	4528	1210
4968	NM_002542,NM_016819,NM_01	OGG1	8-oxoguanine DNA glycosylase	1.263976885	-1.439368572	3.709913	4.191941	2.300464	2.90104285	3.19821471	2.45783582	254	429	217
59286	NM_001048241,NM_024292	UBL5	ubiquitin like 5	-1.359532174	-1.439459453	223.651264	167.846596	147.300415	6.68666562	6.24856818	6.16726257	4005	3936	3422
81034	NM_030780,NR_102337,NR_10	SLC25A32	solute carrier family 25 member 3	1.039085702	-1.439534159	12.081454	12.670373	7.864245	5.23761487	5.29149439	4.72867518	1442	2002	1232
6674	NM_003114,NM_172218	SPAG1	sperm associated antigen 1	-1.749830023	-1.439720147	7.222719	4.132217	4.478799	4.77547559	4.00712306	4.27260082	1036	791	885
23234	NM_015190	DNAJC9	DnaJ heat shock protein family (H	-1.624296949	-1.439734065	57.126389	35.211014	37.292053	7.05297567	6.35990876	6.5319294	5174	4256	4420
9884	NM_014834	LRRC37A	leucine rich repeat containing 37A	-1.224192936	-1.43978528	6.409573	5.243836	4.181801	5.05843928	4.77625587	4.55144767	1269	1385	1084
51450	NM_016307	PRRX2	paired related homeobox 2	2.373058314	-1.439901459	0.667641	1.612205	0.442524	0.89996265	1.61299082	0.6785857	34	108	29
692075	NR_003036	SNORD6	small nucleolar RNA, C/D box 6	-1.260857263	-1.439901459	12.261616	9.785775	8.11126	0.89996265	0.75384785	0.6785857	34	36	29
172	NR_003226,NR_003227,NR_003	AFG3L1P	AFG3 like matrix AAA peptidase	-1.076658753	-1.440017532	36.20012	33.789792	23.75321	6.73161893	6.62609534	6.21147669	4133	5129	3530
5395	NM_000535,NM_001322003,NM	PMS2	PMS1 homolog 2, mismatch repa	-1.560353314	-1.440278445	6.552029	4.189852	4.293073	5.07815362	4.45995136	4.57043432	1287	1102	1099
5972	NM_000537	REN	renin	-3.565796652	-1.44038161	1.336937	0.367116	0.865602	1.54118428	0.61708849	1.21747621	75	28	64
140883	NM_080764,NR_130642,NR_130	ZNF280B	zinc finger protein 280B	-1.036313208	-1.440674132	1.276169	1.260178	0.8305	3.02359429	2.97854475	2.57277436	280	361	239
55577	NM_001330425,NM_001330426	NAGK	N-acetylglucosamine kinase	1.237843887	-1.440790197	18.291444	22.806506	11.90375	5.04514512	5.34457722	4.53736359	1257	2079	1073
25794	NM_001077182,NM_012418	FSCN2	fascin actin-bundling protein 2, re	1.105382282	-1.440883374	1.654345	1.839847	1.087537	1.91699278	2.02475093	1.5489128	109	161	93
55486	NM_001037639,NM_001324436	PARL	presenilin associated rhomboid li	1.171088342	-1.440894642	58.402107	68.206686	37.326209	6.27688147	6.50201808	5.75807323	3005	4702	2565
548596	NM_001015001,NM_001321926	CKMT1A	creatine kinase, mitochondrial 1A	-2.498547333	-1.440998127	9.0921	3.529152	5.622524	4.07189633	2.87362954	3.58206614	621	332	530
2091	NM_001436	FBL	fibrillarin	-1.249597247	-1.441459132	203.654541	163.161774	132.778503	7.8581237	7.53820743	7.33332828	9070	9698	7739
143630	NM_145053	UBQLNL	ubiquilin-like	-1.536354211	-1.441637611	0.682181	0.440703	0.440323	1.35261029	1.00745609	1.05442063	61	53	52
1327	NM_001318786,NM_001318788	COX4I1	cytochrome c oxidase subunit 4I1	-1.220252758	-1.442088881	384.268143	314.077963	253.540595	8.16062303	7.87455002	7.63468377	11195	12258	9548
440957	NM_001124767	SMIM4	small integral membrane protein 4	-1.236601561	-1.442118022	13.020929	10.562199	8.501481	2.74535098	2.48886356	2.30902414	224	242	191
79778	NM_182924	MICALL2	MICAL like 2	-1.259635641	-1.442118164	35.450169	28.177984	23.100346	6.75460232	6.42505121	6.23229119	4200	4455	3582
51065	NM_015920	RPS27L	ribosomal protein S27 like	-1.074387578	-1.442479913	23.55743	21.959171	15.357431	4.6940596	4.59467379	4.18989199	977	1215	833
262	NM_001287214,NM_001287215	AMD1	adenosylmethionine decarboxyla	1.259703205	-1.44252372	19.125405	23.997651	12.400092	6.00950526	6.33797753	5.49075814	2490	4191	2123
113251	NM_001170803,NM_001170804	LARP4	La ribonucleoprotein domain fam	-1.352987407	-1.442557421	17.558421	12.745056	10.935846	6.65893282	6.22780153	6.1365907	3928	3879	3349
51330	NM_016639	TNFRSF12A	TNF receptor superfamily membe	1.10239331	-1.442784895	548.808899	605.676208	357.451569	9.10969875	9.25009587	8.58199507	21650	31889	18456
57585	NM_020825	CRAMP1	cramped chromatin regulator hon	-1.120369138	-1.443386114	9.081317	8.114873	5.911819	6.10549018	5.94402902	5.58526687	2664	3177	2270
8292	NM_005677,NM_080538,NM_08	COLQ	collagen like tail subunit of asymr	2.610901045	-1.443386335	0.167503	0.43732	0.107477	0.59399636	1.22307764	0.43515728	20	70	17
54866	NM_001130143,NM_017726	PPP1R14D	protein phosphatase 1 regulatory	-2.41097265	-1.443386335	0.598452	0.24654	0.420202	0.59399636	0.27464693	0.43515728	20	11	17
1020	NM_001164410,NM_004935	CDK5	cyclin dependent kinase 5	-1.612925387	-1.443625341	20.520953	12.745585	13.37252	4.62871952	3.97425277	4.124592	932	772	794
23148	NM_001146334	NACAD	NAC alpha domain containing	-2.088072424	-1.443644624	0.257934	0.120379	0.164733	1.13562816	0.65251278	0.87055986	47	30	40
55929	NM_001034023,NM_001034024	DMAP1	DNA methyltransferase 1 associa	1.078137889	-1.443831057	22.975701	25.521437	15.842945	5.29770564	5.40359392	4.78394543	1505	2168	1282
84261	NM_032301	FBXW9	F-box and WD repeat domain co	1.238092267	-1.444139379	8.919873	11.065763	5.810072	4.00938005	4.30021519	3.51830855	593	981	505
53836	NM_023915	GPR87	G protein-coupled receptor 87	1.165844767	-1.444147175	30.869892	36.039158	20.082722	5.54441418	5.76139775	5.02782252	1793	2793	1527
5889	NM_002876,NM_058216,NR_10	RAD51C	RAD51 paralog C	1.15632676	-1.444237104	32.510149	35.389662	18.811604	5.01818353	5.22171785	4.50746311	1233	1905	1050
10651	NM_001006635,NM_001319097	MTX2	metaxin 2	-1.008316697	-1.44442886	52.687928	52.278806	34.74481	6.25347113	6.24167913	5.7313279	2956	3917	2517
6996	NM_003211	TDG	thymine DNA glycosylase	-1.241410929	-1.444933112	19.341295	15.59905	12.580728	5.95664189	5.65024298	5.43590876	2399	2582	2042
730101	NR_024403,NR_024405	LOC730101	uncharacterized LOC730101	-1.743959844	-1.444954845	2.309971	1.323777	1.498936	3.22958708	2.53704518	2.76523898	329	252	280
8629	NM_001077527,NM_001279352	JRK	Jrk helix-turn-helix protein	-1.278913038	-1.445067523	7.106375	4.662873	3.915662	5.72338667	5.37604391	5.20431761	2035	2126	1732
147949	NM_001159860,NM_001159861	ZNF583	zinc finger protein 583	-2.837740105	-1.44517495	1.352018	0.473724	0.871413	2.14180175	1.1381576	1.74883089	134	63	114
3198	NM_005522,NM_153620	HOXA1	homeobox A1	-1.198085792	-1.44517548	0.889036	0.741175	0.576691	1.6852613	1.51053416	1.34055586	87	97	74
100507487	NR_125882	LOC100507487	uncharacterized LOC100507487	1.315823825	-1.44517548	1.088556	1.445877	0.70637	1.6852613	1.96964178	1.34055586	87	153	74
126382	NM_001300945,NM_176880	NR2C2AP	nuclear receptor 2C2 associated	-1.184604311	-1.44527831	21.666151	17.958518	14.06593	4.7808325	4.54605682	4.27260082	1040	1173	885
9905	NM_001098509,NM_001346700	SGSM2	small G protein signaling modulat	1.08475189	-1.445403773	23.419072	26.437612	15.328378	6.77017261	6.88650747	6.24455845	4246	6154	3613
4728	NM_002496	NDUFS8	NADH:ubiquinone oxidoreductas	-1.023424454	-1.446144747	115.115814	112.609253	74.790886	6.50964486	6.47661008	5.98445961	3538	4619	3009
9923	NM_001083621,NM_001330398	ZBTB40	zinc finger and BTB domain conta	1.081168336	-1.446374939	7.790397	8.172228	4.878594	6.01462976	6.12554926	5.49208641	2499	3610	2125
90024	NR_033874	FLJ20021	uncharacterized LOC90024	-1.278821275	-1.446510689	16.951439	13.267859	11.010728	3.81681978	3.49019467	3.3291189	514	537	437
57693	NM_001190791,NM_020933,NR	ZNF317	zinc finger protein 317	-1.191550029	-1.446850566	15.986344	13.438224	10.382095	6.00436248	5.75580975	5.48142583	2481	2782	2109
100130744	NR_046285	LOC100130744	uncharacterized LOC100130744	1.139675027	-1.447065033	1.535863	1.750562	0.993438	2.29192162	2.44407994	1.88448459	153	233	130
51010	NM_001002269,NM_016042	EXOSC3	exosome component 3	1.099822693	-1.447601206	14.100626	15.494839	9.074006	4.70396282	4.83621478	4.19479474	984	1446	836
100506686	NR_040051,NR_040052,NR_040	IQCH-AS1	IQCH antisense RNA 1	-1.375367033	-1.447638068	3.686326	2.484255	1.429786	3.01906833	2.6243808	2.56269567	279	271	237
25978	NM_001244644,NM_014043	CHMP2B	charged multivesicular body prote	1.25739285	-1.447834724	39.958518	50.326312	25.930475	6.68951662	7.01709581	6.16184796	4013	6742	3409
29126	NM_001267706,NM_001314029	CD274	CD274 molecule	-1.018552008	-1.447899004	9.886372	8.887189	6.409587	5.00565571	4.97996669	4.49161333	1222	1603	1038
100533955	NR_037926	SENP3-EIF4A1	SENP3-EIF4A1 readthrough (NM	1.664117577	-1.447944735	0.077659	0.131485	0.049248	0.41264541	0.63490936	0.29607837	13	29	11
105371564	NR_131243	SMCR2	Smith-Magenis syndrome chrom	1.207302992	-1.447944735	0.569573	0.729075	0.378583	0.41264541	0.48576948	0.29607837	13	21	11
56136	NM_018904,NM_031865	PCDHA13	protocadherin alpha 13	2.120932162	-1.447944735	0.129351	0.153532	0.08619	0.41264541	0.77006602	0.29607837	13	37	11
100873955	NR_046827	LNX1-AS2	LNX1 antisense RNA 2	-1.571623368	-1.447944735	0.16146	0.102559	0.106114	0.41264541	0.27464693	0.29607837	13	11	11
84279	NM_032319,NR_144358	PRADC1	protease associated domain cont	-1.004344848	-1.448228651	12.792393	12.738012	8.290954	3.92480368	3.91896052	3.43235848	557	741	473
57460	NM_020700	PPM1H	protein phosphatase, Mg2+/Mn2+	-2.408311276	-1.448663249	3.239661	1.343917	2.098799	4.36189543	3.18919702	3.85822657	768	426	652
375444	NM_198566	C5orf34	chromosome 5 open reading fran	-1.076604889	-1.448981433	4.026558	3.738079	2.608335	3.45071403	3.35427048	2.973571	390	484	331
8632	NM_173628	DNAH17	dynein axonemal heavy chain 17	1.739203916	-1.449105044	0.086924	0.15176	0.055945	1.11880553	1.60397149	0.85412573	46	107	39
653075	NR_033933	GOLGA8T	golgin A8 family member T	1.024971694	-1.449105044	0.339553	0.351787	0.224544	1.11880553	1.1381576	0.85412573	46	63	39
6507	NM_001166695,NM_001166696	SLC1A3	solute carrier family 1 member 3	1.296044909	-1.449338884	3.716061	5.029351	2.327617	3.90286151	4.25483728	3.41004634	548	949	465
55210	NM_001170535,NM_001170536	ATAD3A	ATPase family, AAA domain cont	1.061563792	-1.449463613	28.391968	30.178185	18.406623	6.13507131	6.22007467	5.60872295	2720	3858	2308
222255	NM_001318229,NM_020725,NM	ATXN7L1	ataxin 7 like 1	-1.424319164	-1.449671666	2.164564	1.420411	1.083087	3.06808971	2.62883416	2.6075054	290	272	246
24146	NM_001185080,NM_014343	CLDN15	claudin 15	-2.366422731	-1.44984853	8.84508	3.692402	5.607743	4.1526264	3.01642592	3.6526589	659	372	559
9866	NM_014818	TRIM66	tripartite motif containing 66	-1.250572646	-1.450013384	7.33218	5.870482	4.752619	6.14237278	5.8248786	5.6154423	2734	2921	2319
1874	NM_001950	E2F4	E2F transcription factor 4	1.124979352	-1.450015621	54.000343	60.817375	34.996048	6.79982884	6.96829205	6.26955915	4335	6516	3677
158960	NR_103768	CH17-340M24.3	uncharacterized protein BC00946	-1.065160839	-1.450082415	2.544745	2.395436	1.655374	1.32354034	1.26944952	1.02535867	59	74	50
79135	NM_024122,NR_026545	APOO	apolipoprotein O	-1.16563817	-1.450261323	8.179863	6.936179	5.231753	3.27963753	3.08285145	2.80852903	342	392	290
729873	NM_001123391,NM_001123391	TBC1D3	TBC1 domain family member 3	-3.587765022	-1.450349521	1.206254	0.33247	0.782488	1.87753473	0.80196545	1.50747923	105	39	89
81552	NM_001284282,NM_001284283	VOPP1	vesicular, overexpressed in canc	-1.131018207	-1.45066387	33.717142	29.740403	21.738837	6.61349579	6.43779748	6.08338839	3805	4495	3226
388588	NM_001163724,NM_001288583	SMIM1	small integral membrane protein	1.494832188	-1.450734826	1.225977	1.90481	0.828151	0.73313634	0.99371033	0.54161868	26	52	22
956	NM_001248,NM_001291960,NM	ENTPD3	ectonucleoside triphosphate diph	-1.120064962	-1.450734826	0.240508	0.209239	0.153311	0.73313634	0.669904	0.54161868	26	31	22
55687	NM_001282782,NM_001282783	TRMU	tRNA 5-methylaminomethyl-2-thi	1.168901997	-1.450877957	13.86438	16.153317	9.171346	4.74153657	4.9588981	4.22865528	1011	1579	857
343099	NM_001306076,NM_206886	CCDC18	coiled-coil domain containing 18	-1.002801395	-1.450904176	10.068043	10.111299	6.549748	5.52299658	5.51904832	5.00008264	1766	2353	1497

129563	NM_001257281,NM_001257282	DIS3L2	DIS3 like 3'-5' exoribonuclease 2	1.203966433	-1.450920327	12.155927	14.506022	8.216675	5.27130713	5.53277726	4.75103801	1477	2376	1252
3431	NM_001185015,NM_004509,NM	SP110	SP110 nuclear body protein	1.227565124	-1.450969622	11.827479	14.402447	7.644129	4.64790143	4.93302278	4.13653226	945	1550	801
7746	NM_001199479,NM_001199480	ZSCAN9	zinc finger and SCAN domain co	-1.329968264	-1.451034818	9.971042	7.495116	6.553417	4.14641466	3.76158491	3.64551432	656	659	556
1797	NM_005510	DXO	decapping exoribonuclease	-1.137507258	-1.451199214	9.702023	8.537123	6.276033	4.00251834	3.82893354	3.5052118	590	693	500
129831	NM_152945	RBM45	RNA binding motif protein 45	1.051222224	-1.451358355	5.661391	5.952395	3.656801	3.46076162	3.52644784	2.98115841	393	552	333
123811	NM_001304497,NM_001304498	FOPNL	FGFR1OP N-terminal like	-1.211029391	-1.451941696	34.222531	28.081648	22.082799	6.26594024	5.99364642	5.73638056	2982	3290	2526
100294145	NR_037177,NR_037178	LOC100294145	uncharacterized LOC100294145	-1.219840184	-1.45196247	2.100965	1.723098	1.345684	3.08551061	2.83560729	2.62213795	294	322	249
9759	NM_006037	HDAC4	histone deacetylase 4	1.17456403	-1.451986315	1.846386	2.172134	1.19483	4.10002583	4.31962786	3.59942469	634	995	537
9605	NM_004913	VPS9D1	VPS9 domain containing 1	-1.151659888	-1.452264586	12.177544	10.583607	7.879825	5.07051892	4.87328317	4.55144767	1280	1485	1084
51805	NM_017421	COQ3	coenzyme Q3, methyltransferase	-1.042037994	-1.452598911	10.098808	9.712875	6.53958	3.75011035	3.69519054	3.25906955	489	627	414
55131	NM_001166135,NM_018077	RBM28	RNA binding motif protein 28	-1.271818609	-1.452638791	22.241377	17.495326	14.379869	5.94177327	5.60122869	5.41365188	2374	2494	2010
100287497	NR_136590,NR_136591,NR_13	LOC100287497	septin 7 pseudogene	-1.261284079	-1.452674271	11.481102	9.746097	8.102019	4.69547851	4.37502129	4.18168353	978	1036	828
7311	NM_001033930,NM_001321017	UBA52	ubiquitin A-52 residue ribosomal	-1.315788311	-1.452725356	142.751437	107.121728	91.438076	8.6376134	8.24282634	8.10048575	15597	15838	13205
965	NM_001144822,NM_001779,NR	CD58	CD58 molecule	-1.019450102	-1.452775779	35.702084	36.549961	22.81581	5.39260881	5.41974638	4.86921928	1610	2193	1363
145438	NR_037676	FRMD6-AS1	FRMD6 antisense RNA 1	1.115336507	-1.45285031	1.211137	1.358615	0.785491	1.86749926	1.98361768	1.4969322	104	155	88
6142	NM_000980	RPL18A	ribosomal protein L18a	-1.122615002	-1.453116526	866.092468	772.351013	560.09082	9.14679945	8.98024739	8.60879855	22215	26440	18803
23373	NM_001098482,NM_015321	CRTC1	CREB regulated transcription coa	1.140051156	-1.45348971	3.964118	4.515936	2.563157	4.79810635	4.9808379	4.28184606	1053	1604	891
51513	NM_001207035,NM_001207036	ETV7	ETS variant 7	-2.48493742	-1.453869505	3.179447	1.330017	1.919607	2.53320657	1.5486383	2.10191219	188	101	159
79874	NM_024816	RABEP2	rabaptin, RAB GTPase binding e	1.020746433	-1.453906744	15.03978	15.369071	9.716329	5.10402723	5.13280125	4.58295467	1311	1788	1109
689	NM_001037637,NM_001207	BTF3	basic transcription factor 3	-1.134003897	-1.454367497	728.512669	639.622483	468.058667	9.50859484	9.3274339	8.96910006	28558	33648	24151
30000	NM_001136195,NM_001136196	TNPO2	transportin 2	-1.03258182	-1.454400662	31.23401	30.460715	20.222899	7.27587166	7.22991801	6.73965883	6045	7822	5112
7697	NM_001160183,NM_001271637	ZNF138	zinc finger protein 138	-1.834792692	-1.454749809	9.189402	4.987711	5.935857	4.63760441	3.80944938	4.12287815	938	683	793
102465668	NR_106961	MIR7111	microRNA 7111	-1.667501759	-1.454851816	16.311224	9.779245	10.365201	1.10178443	0.75384785	0.83750224	45	36	38
23583	NM_001243787,NM_001243788	SMUG1	single-strand-selective monofunc	-1.20673115	-1.454895	18.946629	13.890727	11.927452	4.30540198	4.04926299	3.79721001	737	816	623
10284	NM_005870	SAP18	Sin3A associated protein 18	-1.17208934	-1.455201639	53.537006	45.72789	34.572021	6.9181888	6.69115201	6.38237404	4709	5368	3980
784	NM_000725,NM_001206915,NM	CACNB3	calcium voltage-gated channel a	-1.932779749	-1.455218392	9.970577	5.299428	6.356986	4.82298643	3.91896052	4.30470323	1072	741	906
144535	NM_001306084	CFAP54	cilia and flagella associated prote	-1.472014635	-1.455375482	0.085555	0.056902	0.055134	0.86002952	0.63490936	0.64076093	32	29	27
5984	NM_002916,NM_181573	RFC4	replication factor C subunit 4	-1.043324536	-1.455401285	124.674369	119.666366	80.435012	7.41091005	7.35008829	6.87333758	6642	8506	5613
10745	NM_001323041,NM_001323042	PHTF1	putative homeodomain transcript	1.010292281	-1.455602089	6.646845	6.688671	4.616922	4.42852718	4.44234896	3.9167669	806	1088	681
10240	NM_005830	MRPS31	mitochondrial ribosomal protein S	-1.114918546	-1.455617307	19.40077	17.419625	12.519139	4.71659644	4.56592289	4.19968089	993	1190	839
554206	NR_038379	LOC554206	leucine carboxyl methyltransfera	-1.156945193	-1.455675573	2.253771	1.950112	1.4567	1.71191395	1.57657016	1.36396013	90	104	76
100132288	NR_038327,NR_038328,NR_03	TEKT4P2	tektin 4 pseudogene 2	1.288109661	-1.455789636	14.6226	18.994183	9.223263	4.5127793	4.86386887	3.99941726	857	1475	724
254552	NM_001243750,NM_181843	NUDT8	nudix hydrolase 8	-1.597546136	-1.456028448	8.127785	5.027985	5.206522	2.82010209	2.2611178	2.36808966	238	199	201
6712	NM_006946	SPTBN2	spectrin beta, non-erythrocytic 2	1.121065545	-1.456407485	13.362883	14.998997	8.622175	6.69165117	6.8550179	6.15557498	4019	6020	3394
6165	NM_000996,NM_001316311	RPL35A	ribosomal protein L35a	-1.050877846	-1.456489912	1474.394622	1405.095306	956.694458	9.46105412	9.38956299	8.91948986	27631	35131	23333
100128890	NR_027423	FAM66B	family with sequence similarity 66	1.063208728	-1.456613036	0.337181	0.35737	0.219246	0.56944351	0.59904473	0.41288872	19	27	16
118487	NM_203298	CHCHD1	coiled-coil-helix-coiled-coil-helix d	-1.74028646	-1.456697742	48.954338	28.154963	31.588137	5.36612462	4.59239547	4.83926507	1580	1213	1334
55005	NM_001271937,NM_017909	RMND1	required for meiotic nuclear divisi	1.071481334	-1.456875053	5.439538	6.33615	3.50565	3.53871843	3.63004224	3.05131575	417	597	352
51020	NM_016063	HDDC2	HD domain containing 2	-1.049975056	-1.457554269	14.193071	13.544183	9.153685	4.54461902	4.47734157	4.02900114	877	1116	740
6233	NM_001135592,NM_001177413	RPS27A	ribosomal protein S27a	1.142046008	-1.457591898	516.14576	588.954571	307.497888	8.88205595	9.07329738	8.33986366	18484	28205	15597
23261	NM_001195563,NM_001242701	CAMTA1	calmodulin binding transcription a	-1.021470287	-1.457634311	34.161132	33.081788	22.081158	4.88399419	4.85439274	4.36249061	1120	1465	945
54433	NM_018983,NM_032993	GAR1	GAR1 ribonucleoprotein	-1.037811078	-1.457916751	34.301341	33.546423	22.182091	5.43229651	5.38001198	4.90356387	1656	2132	1397
10778	NR_024565,NR_024566	ZNF271P	zinc finger protein 271, pseudoge	-1.152119765	-1.457928753	3.165609	2.754552	2.034117	4.06970964	3.87839419	3.56449618	620	719	523
1973	NM_001204510,NM_001416	EIF4A1	eukaryotic translation initiation fa	1.087324471	-1.458181691	362.981953	395.037423	233.869128	9.37490152	9.49550999	8.83172344	26027	37812	21953
5260	NM_001258459,NM_001258460	PHKG1	phosphorylase kinase catalytic su	-1.524488785	-1.45421167	1.412032	0.925531	0.912958	2.02927762	1.5948542	1.63800401	121	106	102
56986	NM_001144955,NM_020234	DTWD1	DTW domain containing 1	-1.148751648	-1.458494145	7.885807	6.867116	5.072989	4.4242252	4.21244314	3.88880246	791	920	667
221960	NM_198097	CCZ1B	CCZ1 homolog B, vacuolar prote	-1.188594713	-1.458695409	46.142426	38.866947	29.730379	6.38372017	6.13770922	5.84692246	3239	3641	2731
91894	NM_080659	C11orf52	chromosome 11 open reading fra	-2.147019087	-1.458739604	7.873035	3.662756	5.082695	3.28718579	2.34470901	2.80852903	344	214	290
64960	NM_031280	MRPS15	mitochondrial ribosomal protein S	-1.356900372	-1.458954801	136.252838	100.512009	87.746017	7.01142618	6.57508594	6.47159938	5026	4949	4237
55778	NM_001267827,NM_001267828	ZNF839	zinc finger protein 839	-1.508972598	-1.459279491	19.82903	13.096179	12.781378	6.20796667	5.62427223	5.67162056	2863	2535	2413
64081	NM_001033083,NM_022129	PBLD	phenazine biosynthesis like prote	-1.060743475	-1.459451718	2.546878	2.410775	1.544109	2.80440683	2.73178769	2.35062252	235	296	198
23536	NM_001324444,NM_001324445	ADAT1	adenosine deaminase, tRNA spe	1.111513729	-1.459473522	6.996075	8.449428	4.814195	5.30516019	5.45403052	4.7763339	1513	2247	1275
8175	NM_007165	SF3A2	splicing factor 3a subunit 2	1.035949742	-1.459530962	85.052315	88.218468	54.760773	7.10488694	7.1554782	6.56417661	5365	7426	4521
653308	NM_001079516,NM_001321957	ASAH2B	N-acylsphingosine amidohydrola	-2.987409234	-1.45971941	2.505906	0.843446	1.596525	3.15728865	1.86782539	2.68388473	311	139	262
100532746	NR_037861	PPT2-EGFL8	PPT2-EGFL8 readthrough (NMD	-1.566695639	-1.459794329	5.592801	3.577069	3.603841	3.98869623	3.39143785	3.48400652	584	498	492
6697	NM_003124	SPR	sepiapterin reductase (7,8-dihydr	-1.233752	-1.459841087	31.985285	25.944651	20.588488	5.53731025	5.24148154	5.00567345	1784	1932	1503
7203	NM_001008800,NM_005998,NR	CCT3	chaperonin containing TCP1 sub	1.038357869	-1.460235928	217.04254	225.816821	139.847572	8.80223609	8.85642078	8.25751696	17487	24261	14729
283922	NR_026950	LOC283922	pyruvate dehydrogenase phosph	1.342644642	-1.460606493	3.061653	4.123998	1.970068	2.98698269	3.36498779	2.52166171	272	488	229
57649	NM_001033561,NM_001290131	PHF12	PHD finger protein 12	-1.011177081	-1.460769495	22.577632	22.40783	14.814795	6.60559319	6.58972264	6.06565531	3784	5000	3186
274	NM_001320632,NM_001320633	BIN1	bridging integrator 1	1.822881562	-1.460873414	20.226237	36.35475	12.842106	5.49638022	6.34814108	4.96416199	1733	4221	1459
5380	NR_003614	PMS2P2	PMS1 homolog 2, mismatch repa	-1.67693122	-1.460908071	1.785334	1.058962	1.147923	1.08456011	0.73744528	0.82088496	44	35	37
10815	NM_006651	CPLX1	complexin 1	-1.027338162	-1.461133592	2.234856	2.179268	1.482397	2.50111114	2.46913115	2.06668624	183	238	154
5701	NM_001204453,NM_002803	PSMC2	proteasome 26S subunit, ATPas	-1.42603352	-1.461142915	64.153729	45.215135	42.485121	7.40810021	6.89969669	6.86490341	6629	6211	5580
100506713	NR_040089	ALOX12-AS1	ALOX12 antisense RNA 1	-1.077162126	-1.461180501	0.987946	0.914033	0.629279	0.71085839	0.669904	0.52094563	25	31	21
80150	NM_001083926,NM_025080	ASRGL1	asparaginase like 1	-1.317634863	-1.461286974	1.597782	1.211485	1.029275	2.23060596	1.92688293	1.81825156	145	147	122
9158	NM_004214,NM_198897	FIBP	FGF1 intracellular binding protein	1.211540517	-1.461344337	35.89572	43.547685	23.086504	5.6774542	5.94937984	5.14306812	1970	3189	1658
8818	NM_003863	DPM2	dolichyl-phosphate mannosyltran	-1.058997395	-1.461364601	34.397133	32.518494	22.114574	5.72199495	5.64090318	5.18719863	2033	2565	1711
729218	NR_103825,NR_109983	LOC729218	uncharacterized LOC729218	1.14967272	-1.461534856	11.080543	12.793594	7.197627	5.97077302	6.16900656	5.4338367	2423	3722	2039
729603	NR_003288	LOC729603	calcineurin like EF-hand protein	1.184871331	-1.462051771	1.100866	1.306585	0.70483	2.12505137	2.31737991	1.72191206	132	209	111
163882	NM_001139459,NM_152609	CNST	consortin, connexin sorting protei	1.065819036	-1.462055128	8.364425	8.93564	5.651944	5.37234789	5.46216384	4.8403084	1587	2260	1335
653162	NR_026890	RPSAP9	ribosomal protein SA pseudogen	1.084556464	-1.462100285	1.249276	1.349083	0.791206	1.46336426	1.5392062	1.13825079	69	100	58
5203	NM_002623	PFDN4	prefoldin subunit 4	-1.613530186	-1.4623011	44.750378	27.767305	28.761597	5.89869115	5.22319114	5.36155532	2303	1907	1937
100131755	NM_001256155,NR_028407,NR	ARMCX4	armadillo repeat containing, X-lin	1.234635131	-1.462357419	3.750254	4.486741	2.333312	4.75248416	5.04638922	4.22865528	1019	1681	857
51081	NM_015971	MRPS7	mitochondrial ribosomal protein S	-1.128464345	-1.462495803	89.512047	79.416153	57.508408	6.95804346	6.78516845	6.41495239	4842	5733	4072
677814	NR_002967	SNORA31	small nucleolar RNA, H/ACA box	-1.283952249	-1.462689636	10.00289	7.838452	6.399496	1.18495016	0.99371033	0.90287695	50	52	42
27349	NM_014507,NM_173467,NR_04	MCAT	malonyl-CoA-acyl carrier protein	1.25099371	-1.462827348	5.279584	6.572012	3.407195	3.509976	3.80748641	3.0185082	408	682	343
51388	NM_001199434,NM_016101	NIP7	NIP7, nucleolar pre-rRNA proces	1.031413783	-1.463116563	34.735754	35.782849	22.363286	6.30643285	6.35050231	5.76578146	3068	4228	2579
100292680	NR_028415	LINC00942	long intergenic non-protein codin	-1.002055038	-1.463149689	0.06995	0.069881	0.042078	0.20517559	0.20477631	0.14214747	6	8	5
54106	NM_017442	TLR9	toll like receptor 9	1.97837507	-1.463149689	0.04056	0.079034	0.02066	0.20517559	0.38406669	0.14214747	6	16	5
101928492	NR_126023,NR_126023_dup1	OR2A1-AS1	OR2A1 antisense RNA 1	-1.586572606	-1.463149689	0.152791	0.102631	0.089949	0.20517559	0.13134883	0.14214747	6	5	5
109616964	NR_145724	SNORA22B	small nucleolar RNA, H/ACA box	1.120502413	-1.463149689	1.137447	1.248833	0.715608	0.20517559	0.2284445	0.14214747	6	9	5
202915	NM_001097620	TMEM184A	transmembrane protein 184A	-1.614509247	-1.463355294	24.196795	15.003833	15.537892	7.21781022	6.53264169	6.67300104	5805	4804	4879
653238	NR_033417	GTF2H2B	general transcription factor IIH su	-1.027091641	-1.463667867	5.466426	5.32829	3.506706	4.60173173	4.56477126	4.07935661	914	1189	768
100288615	NR_036650	WHAMMP1	WAS protein homolog associatec	-1.130757921	-1.463813445	6.144099	5.441578	3.948074	3.37835054	3.21903935	2.89139688	369	436	310
55732	NM_001320047,NM_001320048	C1orf112	chromosome 1 open reading fran	1.118733788	-1.46381914	20.101751	16.920192	12.075841	5.40740349	5.5656679	4.87330251	1627	2432	1367
285195	NM_173653	SLC9A9	solute carrier family 9 member A9	3.68461859	-1.464000516	0.218506	0.825781	0.139984	0.83964067	1.96964178	0.62147005	31	153	26
129880	NM_152384	BBS5	Bardet-Biedl syndrome 5	1.111395353	-1.464018255	3.306507	3.682423	2.123938	3.4839374	3.62336263	2.99246523	400	594	336
64949	NM_030811	MRPS26	mitochondrial ribosomal protein S	1.078398739	-1.464424567	64.296173	69.413445	41.252331	6.04555676	6.15286308	5.50530231	2554	3680	2145
4361	NM_001330347,NM_005590,NM	MRE11	MRE11 homolog, double strand b	-1.355220904	-1.46474265	11.852072	8.760309	7.600259	5.92069636	5.4905806	5.38104381	2339	2306	1964
84296	NM_032336	GINS4	GINS complex subunit 4	1.160311179	-1.464751303	11.299376	13.120505	7.247312	5.4348473	5.64475631	4.89956551	1659	2572	1393
123263	NM_139242	MTFMT	mitochondrial methionyl-tRNA for	-1.011537476	-1.464807503	4.331175	4.288318	2.77847	3.65413237	3.63890054	3.15558012	455	601	382
441124	NR_132119	GTF2IP20	general transcription factor III pse	-1.015601865	-1.464822497	12.008486	11.833615	7.702098	5.14821864	5.12651654	4.61622671	1353	1780	1136
5144	NM_001104631,NM_001165899	PDE4D	phosphodiesterase 4D	-1.539611628	-1.464924502	2.249238	1.363842	1.34422	4.18126603	3.60087125	3.66684277	673	584	565
120526	NM_181706	DNAJC24	DnaJ heat shock protein family (H	-1.204694692	-1.465116123	9.990024	8.298699	6.403732	4.91599358	4.65704834	4.38697325	1146	1271	962
10952	NM_006808	SEC61B	Sec61 translocon beta subunit	-1.195582418	-1.465594801	213.040024	178.380402	136.603256	6.87751435	6.62219199	6.33171327	4577	5115	3841
8890	NM_001034116,NM_001318965	EIF2B4	eukaryotic translation initiation fa	1.059555607	-1.465686527	23.125451	24.708175	14.681846	5.34277168	5.42423685	4.80760927	1554	2200	1304
55572	NM_017547,NR_037647,NR_03	FOXRED1	FAD dependent oxidoreductase d	-1.848658001	-1.466016921	21.38598	11.715538	13.903371	5.46511016	4.60601172	4.92830565	1695	1225	1422
7566	NM_001303281,NM_001303282	ZNF18	zinc finger protein 18	-1.239267207	-1.466126238	4.29602	3.582321	2.834822	3.47405048	3.19521507	2.98115841	397	428	333
83695	NM_001252499,NM_001252500	RHNO1	RAD9-HUS1-RAD1 interacting nu	-1.236643627	-1.466406135	32.54012	26.334449	20.763529	5.96431343	5.66332648	5.42273519	2412	2606	2023

83759	NM_001286135,NM_031492	RBM4B	RNA binding motif protein 4B	1.129543261	-1.466650727	19.159233	17.720015	11.461223	4.83848193	5.0084426	4.30923152	1084	1636	909
202181	NR_026921	LOC202181	SUMO interacting motifs containi	1.974879708	-1.466726695	1.243639	2.460282	0.795688	2.15835987	2.97154911	1.74883089	136	359	114
27130	NM_001318381,NM_001318382	INVS	inversin	1.011361667	-1.467179634	6.079614	6.069837	3.884294	4.92085417	4.9366195	4.38982644	1150	1554	964
619207	NR_002934	SCART1	scavenger receptor family memb	1.460910914	-1.467299501	0.22425	0.332061	0.144893	1.06712766	1.37924953	0.80366934	43	84	36
51106	NM_001350501,NM_001350502	TFB1M	transcription factor B1, mitochon	-1.572706407	-1.467738844	6.662105	4.236113	4.235106	4.21727226	3.60765556	3.69940604	691	587	579
285190	NM_182588	RGPD4	RANBP2-like and GRIP domain	-1.106211021	-1.468044696	1.120806	1.016542	0.716522	3.14487866	3.01642592	2.66516564	308	372	258
283377	NM_207344	SPRYD4	SPRY domain containing 4	1.132340946	-1.468128049	5.730365	6.508948	3.670196	3.67442132	3.84049897	3.17224778	462	699	387
51455	NM_001037872,NM_001321454	REV1	REV1, DNA directed polymerase	1.068923732	-1.468145147	21.307237	22.73364	13.483275	6.68916055	6.78442016	6.14167765	4012	5730	3361
125950	NM_133452	RAVER1	ribonucleoprotein, PTB binding 1	1.013390733	-1.468396025	23.946459	24.293793	15.32323	6.40512449	6.42409069	5.85881236	3288	4452	2754
26873	NM_017570	OPLAH	5-oxoprolinase (ATP-hydrolysing)	-1.200616345	-1.468419152	6.670039	5.55947	4.26879	4.76470172	4.51150549	4.23501577	1028	1144	861
54676	NM_001286216,NM_019096	GTPBP2	GTP binding protein 2	-1.847982698	-1.468451291	30.909198	16.631108	19.409385	6.49790161	5.62538694	5.95104347	3509	2537	2939
64149	NM_022344	C17orf75	chromosome 17 open reading fra	1.021222935	-1.468547402	9.832824	10.051058	6.291504	5.48821674	5.51784831	4.94876578	1723	2351	1443
518	NM_001002258,NM_001190329	ATP5G3	ATP synthase, H+ transporting, r	1.11670299	-1.468550329	39.014953	43.27154	24.426314	6.73886216	6.89669922	6.19076655	4154	6198	3479
57794	NM_172231	SUGP1	SURP and G-patch domain conta	1.080781523	-1.468867459	20.468321	22.146015	13.092144	5.41431354	5.52383844	4.8753398	1635	2361	1369
116983	NM_030649	ACAP3	ArfGAP with coiled-coil, ankyrin r	1.243038932	-1.468913258	20.788025	25.86945	13.296449	6.26832583	6.57854325	5.72230146	2987	4961	2501
83882	NM_001290212,NM_031945,NR	TSPAN10	tetraspanin 10	1.406524992	-1.468970695	4.307154	6.074331	2.749881	3.14071816	3.58491601	2.66044767	307	577	257
25996	NM_015523	REXO2	RNA exonuclease 2	-1.187595228	-1.468982741	50.836708	42.8634	32.522728	5.86881881	5.62538694	5.32550055	2255	2537	1888
100534611	NR_037950	TM4SF19-TCTEX1D2	TM4SF19-TCTEX1D2 readthrou	1.245204039	-1.469449157	0.297419	0.38711	0.198259	0.38477185	0.46599441	0.27153692	12	20	10
389247	NR_033995	LOC389247	uncharacterized LOC389247	1.121567544	-1.469449157	0.369132	0.446511	0.244142	0.38477185	0.42561204	0.27153692	12	18	10
2660	NM_005259	MSTN	myostatin	1.987023012	-1.469449157	0.111088	0.22244	0.070835	0.38477185	0.68708806	0.27153692	12	32	10
245711	NM_001008779,NM_001142634	SPDYA	speedy/RINGO cell cycle regulat	2.667023736	-1.469449157	0.167803	0.474912	0.131079	0.38477185	0.86372326	0.27153692	12	43	10
1503	NM_001301237,NM_001905,NR	CTPS1	CTP synthase 1	-1.055461134	-1.469580396	35.41438	33.660991	22.696601	6.82597564	6.74880534	6.27651324	4415	5589	3695
79622	NM_024571	SNRNP25	small nuclear ribonucleoprotein U	1.081654534	-1.469644875	40.882629	44.290215	26.142138	5.46760364	5.57838681	4.92732408	1698	2454	1421
51264	NM_016504	MRPL27	mitochondrial ribosomal protein L	-1.379889285	-1.469733174	155.992859	113.148514	99.741737	6.75187721	6.29238721	6.20257934	4192	4059	3508
4636	NM_002477	MYL5	myosin light chain 5	1.053270673	-1.4699961	16.212616	17.086271	10.348772	3.51641288	3.58491601	3.0185082	410	577	343
25879	NM_015420	DCAF13	DDB1 and CUL4 associated facto	-1.205330926	-1.470112674	55.776443	46.325916	35.653221	7.17420474	6.90681947	6.62295299	5631	6242	4711
55056	NR_026891	GABPB1-IT1	GABPB1 intronic transcript	1.045196566	-1.470162085	2.529765	2.647977	1.615902	3.96771155	4.02750389	3.45433079	575	803	481
55285	NM_001171080,NM_001324242	RBM41	RNA binding motif protein 41	-1.186866288	-1.470198509	11.698949	9.499463	7.457472	6.19598682	5.95249202	5.64917295	2839	3196	2375
55823	NM_001290185,NM_021729	VPS11	VPS11, CORVET/HOPS core su	-1.75710384	-1.470359203	17.653525	10.243711	11.618198	5.88880227	5.0938706	5.3440084	2287	1739	1913
26096	NM_001202438,NM_015608,NR	EDRF1	erythroid differentiation regulator	1.088402023	-1.470456905	5.234521	5.640148	3.324365	4.62425646	4.74172192	4.09517603	929	1351	777
8776	NM_001306144,NM_001306145	MTMR1	myotubularin related protein 1	1.087800322	-1.470461818	15.323224	17.327594	9.849105	5.94773912	6.06727022	5.40239335	2384	3465	1994
120863	NM_001319310,NM_001319311	DEPDC4	DEP domain containing 4	-1.079440853	-1.470463077	2.128236	1.682083	1.290026	2.03825186	1.95552917	1.63800401	122	151	102
80131	NM_001268284,NM_001268285	LRRC8E	leucine rich repeat containing 8 fa	1.521597387	-1.470878119	3.366364	5.125738	2.244735	3.73086534	4.29881852	3.22432601	482	980	403
10467	NM_006349	ZNHIT1	zinc finger HIT-type containing 1	-1.538162771	-1.471088214	40.523735	26.373369	25.884119	5.58248919	4.97734988	5.03967945	1842	1600	1540
118932	NM_144590	ANKRD22	ankyrin repeat domain 22	-2.766239292	-1.471628307	14.070522	5.092836	8.983174	5.79661292	4.37369523	5.25135438	2143	1035	1791
2130	NM_001163285,NM_001163286	EWSR1	EWS RNA binding protein 1	1.062813964	-1.471649307	153.402331	179.088217	97.619174	8.59785758	8.68552719	8.04217382	15172	21545	12680
57458	NM_001301036,NM_020698	TMCC3	transmembrane and coiled-coil d	-1.123183164	-1.471785861	2.293993	2.042781	1.466173	3.82462152	3.66948316	3.31417746	517	615	432
83460	NM_001014764,NM_031298	EMC6	ER membrane protein complex s	1.049368373	-1.471930436	35.192286	37.388912	22.546059	4.79678491	4.86386887	4.26329596	1052	1475	879
6124	NM_000968	RPL4	ribosomal protein L4	-1.27574221	-1.471978913	1365.192383	1071.297607	871.547424	10.90414604	10.55301622	10.3467433	75197	78756	62832
388963	NM_001145054,NM_001316764	C2orf81	chromosome 2 open reading fran	1.330039655	-1.471998051	4.632858	6.394495	3.066471	3.46742135	3.8462471	2.96976228	395	702	330
8085	NM_003482	KMT2D	lysine methyltransferase 2D	-1.044958018	-1.472061216	10.195623	9.768903	6.509333	7.59835639	7.53524515	7.04401875	7569	9678	6324
100286925	NR_147620	LOC100286925	uncharacterized LOC100286925	-1.506180146	-1.472081832	0.679898	0.450729	0.434973	1.79522562	1.40024122	1.42086173	97	86	81
100128288	NR_024447	LOC100128288	uncharacterized LOC100128288	1.177825638	-1.472132717	2.151748	2.547138	1.378261	2.45494311	2.65089709	2.01587867	176	277	147
389906	NR_034031	LOC389906	zinc finger protein 839 pseudoge	-1.008615933	-1.472274303	6.205843	6.160169	3.956094	3.56379523	3.55246622	3.06208787	425	563	355
145200	NR_026774	LINC00239	long intergenic non-protein codin	-1.447963692	-1.47230476	4.195197	2.878786	2.654436	1.8573935	1.49109792	1.47508397	103	95	86
1822	NM_001007026,NM_001940	ATN1	atrophin 1	-1.070213611	-1.472355788	54.827236	51.282822	34.989455	7.86349848	7.76603341	7.30828899	9104	11366	7605
100874032	NR_046734	PRRT3-AS1	PRRT3 antisense RNA 1	1.277338874	-1.472663592	1.019638	1.287725	0.632389	0.68823103	0.83317479	0.49997203	24	41	20
5985	NM_001130112,NM_001130113	RFC5	replication factor C subunit 5	1.030743484	-1.472713858	23.894721	25.100742	15.361552	5.72963283	5.77250923	5.18391472	2044	2815	1707
100133161	NR_028326,NR_146389	LINC01001	long intergenic non-protein codin	1.029124436	-1.472813124	17.67193	19.031378	11.293521	6.4279241	6.46886855	5.87722811	3341	4594	2790
6352	NM_001278736,NM_002985	CCL5	C-C motif chemokine ligand 5	-4.698851637	-1.472986438	2.639973	0.567751	1.669412	2.0823043	0.75384785	1.67590018	127	36	106
4242	NM_001166343,NM_002405,NR	MFNG	MFNG O-fucosylpeptide 3-beta-N	-1.65140733	-1.473002201	9.009462	5.454886	5.753033	4.29794868	3.62112921	3.77337356	733	593	612
26354	NM_014366,NM_206825,NM_20	GNL3	G protein nucleolar 3	-1.075984892	-1.47349452	64.023015	59.710954	40.8867	7.00657608	6.90176822	6.45262202	5009	6220	4181
199953	NM_001010866,NM_001130924	TMEM201	transmembrane protein 201	1.631861186	-1.473632705	7.184636	11.74223	4.584852	4.81256286	5.49911925	4.27723085	1064	2320	888
54848	NM_001242729,NM_017700	ARHGEF38	Rho guanine nucleotide exchang	-2.325062935	-1.473646793	2.899058	1.244016	1.560922	3.55756677	2.49375478	3.0549154	423	243	353
84984	NM_032898	CEP19	centrosomal protein 19	1.274823456	-1.47404673	2.357787	3.015485	1.504139	2.60139951	2.89966118	2.14982678	199	339	166
51206	NM_001083899,NM_001256017	GP6	glycoprotein VI platelet	-2.793038069	-1.474054722	0.465559	0.167912	0.300174	1.04948198	0.46599441	0.78645063	42	20	35
2339	NM_002027,NR_033698	FNTA	farnesyltransferase, CAAX box, a	-1.195453896	-1.474210598	56.528267	47.614554	36.090144	6.55919609	6.3046166	6.00646956	3663	4094	3056
93349	NM_001308162,NM_001308163	SP140L	SP140 nuclear body protein like	1.181886141	-1.474349341	17.498765	20.903731	11.28873	5.49963272	5.73582152	4.95455863	1737	2743	1449
26520	NM_001304485,NM_001304486	TIMM9	translocase of inner mitochondria	1.092815566	-1.4745832	30.930186	33.615888	19.723112	5.17592889	5.30059458	4.63438491	1380	2015	1151
26027	NM_015547,NM_147161	ACOT11	acyl-CoA thioesterase 11	1.074590081	-1.474672874	6.335269	6.816252	4.035352	4.36724694	4.46618624	3.83956507	771	1107	643
64284	NM_022449,NR_033308	RAB17	RAB17, member RAS oncogene	1.168751384	-1.474788947	24.943075	29.131725	16.10028	5.61958513	5.84032177	5.07290231	1681	2953	1577
25843	NM_001100819,NM_001204094	MOB4	MOB family member 4, phocein	-1.088284131	-1.475182089	14.616378	13.450964	9.3197745	5.67622721	5.64750225	5.21883106	2099	2577	1750
653268	NR_126580	AGAP7P	ArfGAP with GTPase domain, an	-1.536822399	-1.475182423	5.482939	3.567323	3.487799	3.79315817	3.22787299	3.28075123	505	439	421
54949	NM_017841	SDHAF2	succinate dehydrogenase compl	1.065345261	-1.475290251	22.691244	24.213818	14.449806	4.80469545	4.89285546	4.26795589	1058	1506	882
582	NM_024649	BBS1	Bardet-Biedl syndrome 1	1.310075474	-1.475304265	8.39798	11.013522	5.344366	4.83591088	5.2135877	4.2986433	1082	1894	902
113	NM_001114,NM_001286057	ADCY7	adenylate cyclase 7	-1.044001262	-1.475336007	18.125832	17.038402	11.293792	6.74092499	6.67939329	6.18626042	4160	5324	3468
51186	NM_001006612,NM_001006613	TCEAL9	transcription elongation factor A l	1.09755118	-1.475387982	57.464601	63.361372	36.64036	5.93097218	6.06316285	5.38104381	2356	3455	1964
728066	NR_034169	FAM133DP	family with sequence similarity 13	-1.539127173	-1.475470198	2.254933	1.460254	1.435753	2.44147625	1.95552917	2.0010274	174	151	145
51249	NM_016486	TMEM69	transmembrane protein 69	1.01445942	-1.475652822	24.653627	25.038897	15.704885	5.18302698	5.20317354	4.64038721	1387	1880	1156
51191	NM_016323	HERC5	HECT and RLD domain containir	-2.18011983	-1.475656275	10.445352	4.791892	6.652807	5.20112046	4.12214544	4.6582457	1405	861	1171
25961	NM_001283014,NM_001283015	NUDT13	nudix hydrolase 13	-1.953929409	-1.475699998	4.211263	2.187066	2.613347	3.32434579	2.48886356	2.82969649	354	242	295
100216001	NR_024475	LINC00704	long intergenic non-protein codin	1.177099099	-1.475771537	9.780052	11.534889	6.225233	3.8375314	4.05754526	3.32316088	522	821	435
10964	NM_006820	IFI44L	interferon induced protein 44 like	-2.072914952	-1.476137288	4.464547	2.155491	2.843526	4.73603146	3.741163	4.19968089	1007	649	839
57553	NM_001122731,NM_001136004	MICAL3	microtubule associated monooxy	-1.493140548	-1.476483427	6.96805	4.712209	4.491249	6.01007555	5.44269276	5.4585071	2491	2229	2075
1176	NM_001002924,NM_001284,NM	AP3S1	adaptor related protein complex 3	-1.330614587	-1.477427439	64.671451	48.31366	41.470195	6.63916084	6.23183248	6.0829477	3874	3890	3225
57703	NM_020943	CWC22	CWC22 spliceosome associated	1.01482151	-1.4775058	23.417328	23.79669	14.894131	6.24380564	6.26475434	5.68967788	2936	3981	2444
9753	NM_001163391,NR_028077,NR	ZSCAN12	zinc finger and SCAN domain co	1.002619145	-1.477615306	3.761204	3.092681	2.419497	3.71696001	3.72044785	3.20501631	477	639	397
54435	NM_002139	HCG4	HLA complex group 4 (non-prote	1.149467351	-1.477654309	1.596608	1.83797	1.012848	2.0648444	2.2203867	1.65707652	125	192	104
7993	NM_001282189,NM_001282199	UBXN8	UBX domain protein 8	1.262518827	-1.477876846	4.728459	5.981333	3.017969	2.93987166	3.23665287	2.46326383	262	442	218
177	NM_001136,NM_001206929,NM	AGER	advanced glycosylation end-prod	-1.788494956	-1.478490554	10.938036	5.979705	6.868351	4.15469105	3.37827344	3.62870475	660	493	549
200734	NM_001128210,NM_181784	SPRED2	sprouty related EVH1 domain co	-1.028461387	-1.478648968	16.015887	14.934025	9.630569	6.05664057	6.01676801	5.5026688	2574	3344	2141
7444	NM_001130480,NM_001130481	VRK2	vaccinia related kinase 2	-1.020486997	-1.479194823	15.199534	14.880109	9.683018	4.92206677	4.89378089	4.3798155	1151	1507	957
84317	NM_001321118,NM_001321119	CCDC115	coiled-coil domain containing 115	-1.319335095	-1.479337548	14.186336	10.415001	9.223381	4.8626811	4.47857574	4.32123795	1103	1117	917
440044	NM_001004326,NR_033396	SLC22A20	solute carrier family 22 member 2	-1.930906368	-1.479355068	10.806434	5.992028	7.11775	4.61828417	3.7225328	4.08112291	925	640	769
2495	NM_002032	FTH1	ferritin heavy chain 1	1.358650991	-1.479642073	1281.509033	1743.052124	813.880127	10.5834938	11.02542117	10.01869518	60203	109288	50043
56052	NM_001330504,NM_019109	ALG1	ALG1, chitobiosyldiphosphodolic	1.356916518	-1.479724982	9.169617	12.461587	5.822412	5.17592889	5.60575399	4.62956502	1380	2502	1147
728118	NM_001099338	NUTM2A	NUT family member 2A	1.129450994	-1.480008693	0.421199	0.474846	0.261743	1.23264156	1.33632702	0.93448595	53	80	44
130502	NM_001008237	TTC32	tetratricopeptide repeat domain 3	-1.174373086	-1.480020411	11.450771	9.766749	7.268137	3.5292011	3.31887893	3.02219055	414	471	344
5327	NM_000930,NM_001319189,NM	PLAT	plasminogen activator, tissue typ	4.619554987	-1.480333441	9.113074	42.899779	5.802656	4.88772286	7.05688551	4.34495514	1123	6932	933
142679	NM_001142314,NM_001321519	DUSP19	dual specificity phosphatase 19	-1.618688267	-1.480341609	0.888734	0.548982	0.556785	2.50111114	1.95552917	2.05235145	183	151	152
148641	NM_001300845,NM_173508	SLC35F3	solute carrier family 35 member F	-2.027780441	-1.480706394	7.136427	3.519579	4.529921	4.50146728	3.5454167	3.96539376	850	560	706
285331	NM_001012506,NM_001141947	CCDC66	coiled-coil domain containing 66	1.043836799	-1.480916798	6.301856	6.593493	3.996367	4.33847337	4.39737979	3.80578108	755	1053	627
51321	NM_001033569,NM_001033570	AMZ2	archaelysin family metallopeptida	-1.142055206	-1.481133299	45.453961	41.289357	31.341339	6.37754586	6.18836956	5.81914509	3225	3773	2678
22976	NM_007349	PAXIP1	PAX interacting protein 1	-1.711591903	-1.481391912	12.492455	7.306142	7.921395	5.5285799	4.77525187	4.97655154	1773	1384	1472
115708	NM_152307	TRMT61A	tRNA methyltransferase 61A	1.435072686	-1.482312151	10.755308	15.456005	6.819584	5.12734384	5.63593399	4.57920996	1333	2556	1106
2953	NM_000854,NM_001302670,NR	GSTT2	glutathione S-transferase theta 2	-1.013764278	-1.482385792	4.546104	4.551896	2.852935	2.70647097	2.68977954	2.24113096	217	286	180
158	NM_000026,NM_001123378,NM	ADSL	adenylosuccinate lyase	1.110710805	-1.482397262	54.699408	60.846746	34.545341	6.53641577	6.6863532	5.97594053	3605	5350	2991
25976	NM_001184717,NM_001184718	TIPARP	TCDD inducible poly(ADP-ribose	-1.02742599	-1.482525468	29.918876	29.149838	18.942533	6.88872159	6.85002007	6.32651073	4613	5999	3827
11340	NM_181503	EXOSC8	exosome component 8	-1.346734494	-1.48257061	32.836754	24.42194	20.816488	5.5277836	5.10909111	4.97465237	1772	1758	1470

10465	NM_001330510,NM_006347	PPIH	peptidylprolyl isomerase H	-1.187653025	-1.482623738	68.58159	57.696515	43.35393	5.77597182	5.53277726	5.22043469	2112	2376	1752
7004	NM_003213,NM_201441,NM_20	TEAD4	TEA domain transcription factor 4	-1.623304875	-1.48316581	12.04354	7.382023	7.536396	4.43166676	3.77370073	3.89484064	808	665	670
101927275	NR_110771,NR_110772	NDUFV2-AS1	NDUFV2 antisense RNA 1	1.315049719	-1.483394526	0.878224	1.262916	0.563412	0.79797761	0.97983233	0.58209675	29	51	24
102723619	NR_146497	ATXN2-AS	ATXN2 antisense RNA	-2.031581455	-1.483394526	1.53701	0.729825	0.981749	0.79797761	0.44594451	0.58209675	29	19	24
54962	NM_001289986,NM_017858	TIPIN	TIMELESS interacting protein	1.059800672	-1.483431694	13.613214	14.499435	8.612559	4.15675275	4.2359869	3.62628732	661	936	548
6188	NM_001005,NM_001256802,NM	RPS3	ribosomal protein S3	1.034500135	-1.483459773	653.302513	634.454709	388.084015	10.28421126	10.33310661	9.71580309	48917	67614	40557
56683	NM_001350334,NM_001350335	C21orf59	chromosome 21 open reading fra	-1.151356905	-1.483533802	33.984492	31.405004	23.168723	6.34265388	6.14199953	5.7821617	3147	3652	2609
23457	NM_001243013,NM_001243014	ABCB9	ATP binding cassette subfamily E	-1.207032379	-1.483599156	4.73367	3.863834	2.904338	4.04320744	3.78969848	3.51569869	608	673	504
4595	NM_001048171,NM_001048172	MUTYH	mutY DNA glycosylase	-1.170721596	-1.483921316	20.719503	17.614444	13.042337	5.23273681	5.01185634	4.68171827	1437	1640	1191
105371814	NR_135674	LOC105371814	uncharacterized LOC105371814	-1.21326257	-1.484107814	3.487006	2.874963	2.199184	1.81624731	1.62195412	1.43197761	99	109	82
25847	NM_001242374,NM_001242375	ANAPC13	anaphase promoting complex sul	1.214655184	-1.484268333	23.350129	28.569327	15.93731	5.1367749	5.41007662	4.58668968	1342	2178	1112
57835	NM_021196,NM_133478	SLC4A5	solute carrier family 4 member 5	-1.380055966	-1.484638387	0.382251	0.277691	0.241799	1.75224037	1.44132992	1.37552141	93	90	77
2178	NM_021922	FANCE	Fanconi anemia complementatio	-1.484383077	-1.484854204	3.986311	2.691458	2.519959	3.45071403	2.9432232	2.94281592	390	351	323
2736	NM_005270	GLI2	GLI family zinc finger 2	-1.721275556	-1.485105953	0.963822	0.559058	0.611148	2.88122939	2.23214197	2.40240201	250	194	207
3575	NM_002185,NR_120485	IL7R	interleukin 7 receptor	5.867207445	-1.485346672	0.130015	0.765352	0.081882	0.66524311	2.15396286	0.47868902	23	181	19
100507299	NR_039990	SMC5-AS1	SMC5 antisense RNA 1 (head to	1.688907302	-1.485346672	0.572392	0.975234	0.353141	0.66524311	0.99371033	0.47868902	23	52	19
100506083	NR_039997	LOC100506083	uncharacterized LOC100506083	1.721297225	-1.485346672	0.407634	0.694438	0.257393	0.66524311	1.00745609	0.47868902	23	53	19
101926913	NR_110185	LOC101926913	uncharacterized LOC101926913	-1.137450403	-1.485346672	1.007297	0.879116	0.620207	0.66524311	0.59904473	0.47868902	23	27	19
10485	NM_001320453,NM_001320454	C1orf61	chromosome 1 open reading fran	-3.791459652	-1.485346672	0.541223	0.121884	0.520859	0.66524311	0.20477631	0.47868902	23	8	19
9092	NM_005146	SART1	squamous cell carcinoma antiger	1.150912602	-1.485704184	41.64933	47.985516	26.339809	7.19992614	7.4014207	6.63352381	5733	8816	4746
51258	NM_016497	MRPL51	mitochondrial ribosomal protein L	-1.327343407	-1.485723013	198.832733	149.975449	125.768944	7.04520619	6.64022606	6.47932191	5146	5180	4260
57474	NM_020714	ZNF490	zinc finger protein 490	-1.153135678	-1.485892647	1.244106	1.079568	0.783631	3.06808971	2.88856223	2.57778742	290	336	240
81853	NM_001127711,NM_001286484	TMEM14B	transmembrane protein 14B	-1.099779232	-1.485997002	49.629627	45.348771	30.88935	5.6113401	5.47705979	5.05414007	1880	2284	1556
51131	NM_001040443,NM_001040444	PHF11	PHD finger protein 11	-1.241101308	-1.486358216	8.804177	7.699992	5.645767	3.93685111	3.64770479	3.41004634	562	605	465
55718	NM_001258033,NM_001258034	POLR3E	RNA polymerase III subunit E	-1.107056525	-1.486711158	19.148388	17.4718	12.148777	6.13559407	5.99105433	5.57339425	2721	3284	2251
56652	NM_001163812,NM_001163813	TWNK	twinkle mtDNA helicase	-1.334973795	-1.486721865	8.647375	7.071224	6.259465	4.98491804	4.58324605	4.4347263	1204	1205	996
79940	NR_026807,NR_121612,NR_12	LINC00472	long intergenic non-protein codin	-1.021441096	-1.486816358	3.899511	3.789972	2.457722	5.20809599	5.17832427	4.65469164	1412	1847	1168
51690	NM_016199	LSM7	LSM7 homolog, U6 small nuclear	-1.323399155	-1.486854396	130.991455	99.095985	82.761574	6.07310824	5.67575447	5.51121019	2604	2629	2154
112942	NM_001282761,NM_080667	CFAP36	cilia and flagella associated prote	-1.012658619	-1.487209844	33.043198	32.64768	20.850332	5.4297412	5.41201577	4.87330251	2181	2181	1367
84305	NM_001143853,NM_032345	PYM1	PYM homolog 1, exon junction co	-1.328632441	-1.487298499	27.623887	20.977914	17.338555	5.03509348	4.63950051	4.48362266	1248	1255	1032
215	NM_000033	ABCD1	ATP binding cassette subfamily D	-1.071641307	-1.487320201	13.361716	12.485793	8.444607	5.60531399	5.50760765	5.04692788	1872	2334	1548
100129405	NR_024117,NR_024117_dup1	MSTO2P	misato family member 2, pseudo	-1.509199451	-1.487544554	10.417622	6.906433	6.582529	4.56339093	4.00026496	4.01982118	889	787	735
8379	NM_001013836,NM_001013837	MAD1L1	MAD1 mitotic arrest deficient like	-1.125515409	-1.487789674	9.80044	8.269056	6.122521	4.64936645	4.4859587	4.10389022	946	1123	782
79183	NM_001039199,NM_001261839	TTPAL	alpha tocopherol transfer protein	1.592863757	-1.488107932	5.235538	8.355934	3.330915	5.02497132	5.68005228	4.47289912	1239	2637	1024
63901	NM_001142519,NM_001142520	FAM111A	family with sequence similarity 1	1.010337907	-1.488213865	58.572818	60.027538	36.79578	7.76371777	7.77848791	7.19336399	8493	11465	7019
5721	NM_002818	PSME2	proteasome activator subunit 2	-1.453442787	-1.488314711	477.315704	328.776184	301.368073	8.59348816	8.05570182	8.02162598	15126	13905	12500
10739	NM_001098527,NM_001159545	RFPL2	ret finger protein like 2	1.012509039	-1.488679739	0.184433	0.275431	0.149205	0.5190475	0.52452456	0.36729312	17	23	14
677812	NR_002965	SNORA29	small nucleolar RNA, H/ACA box	1.187509634	-1.488679739	3.143423	3.74427	1.930974	0.5190475	0.59904473	0.36729312	17	27	14
55922	NM_001173487,NM_001173488	NKRF	NFKB repressing factor	-1.096413619	-1.48914503	14.072765	13.010577	9.411834	5.68175591	5.55166363	5.12091547	1976	2408	1632
5873	NM_004580,NM_183234,NM_18	RAB27A	RAB27A, member RAS oncogen	-1.542005123	-1.489197539	8.947101	5.816795	5.655368	4.96034122	4.36036716	4.40823586	1183	1025	977
105221694	NR_130765,NR_130766	BISPR	BST2 interferon stimulated positi	-1.284578799	-1.489272979	7.866664	6.117611	4.923244	3.96536097	3.63004224	3.43512339	574	597	474
221150	NM_001166017,NM_145061	SKA3	spindle and kinetochore associat	-1.097258083	-1.489520117	10.89375	9.880357	6.874341	4.97910428	4.84963122	4.42641333	1199	1460	990
51312	NM_001317812,NM_001317813	SLC25A37	solute carrier family 25 member 3	-2.247476145	-1.489710495	31.71765	13.939257	20.011559	7.32115463	6.16402904	6.75052132	6239	3709	5151
170463	NM_001009998,NM_032627	SSBP4	single stranded DNA binding prot	-1.074306943	-1.489741146	30.87045	28.780954	19.411574	5.74341713	5.64200512	5.18144687	2064	2567	1704
100506127	NM_001282456,NM_001305225	LOC100506127	putative uncharacterized protein	1.561183694	-1.489866633	2.091889	3.249188	1.30416	3.54187697	4.13941485	3.02586351	418	872	345
8655	NM_001037494,NM_001037495	DYNLL1	dynein light chain LC8-type 1	1.076784972	-1.490039553	234.967937	253.291596	148.253091	7.37903448	7.48518151	6.80791265	6496	9346	5362
399909	NM_032223	PCNX3	pecanex homolog 3 (Drosophila)	1.139511173	-1.490066392	26.083723	29.757315	16.447853	7.39024931	7.57761399	6.81906902	6547	9968	5404
23247	NM_015202	KIAA0556	KIAA0556	1.125110145	-1.490611027	9.598538	10.809736	6.050404	5.97486866	6.14238893	5.41014302	2430	3653	2005
339105	NM_001039503	PRSS53	protease, serine 53	-1.059796986	-1.490612526	7.519971	7.100692	4.737784	3.98637962	3.90800961	3.45433079	583	735	481
57143	NM_001142545,NM_020421	ADCK1	aarF domain containing kinase 1	-1.180052568	-1.490762034	6.282862	5.326823	3.955427	3.87558202	3.65427289	3.34684674	537	608	443
10094	NM_001278556,NM_001287222	ARPC3	actin related protein 2/3 complex	-1.394494447	-1.490862335	398.833049	286.252888	251.382749	8.53505126	8.05683838	7.96080661	14524	13916	11982
84233	NM_001244735,NM_032273	TMEM126A	transmembrane protein 126A	-1.853906852	-1.491095237	33.954121	18.345298	21.63271	4.80206342	3.95487459	4.25079537	1056	761	871
4718	NM_001204054,NM_001204055	NDUFC2	NADH:ubiquinone oxidoreductas	-1.169878886	-1.491229749	27.798994	23.785099	17.504943	6.08452478	5.86176279	5.51839824	2625	2998	2165
642361	NR_029407	LOC642361	uncharacterized LOC642361	-1.470292304	-1.491238766	2.009344	1.369948	1.268204	2.11660268	1.70865125	1.69448139	131	119	108
140465	NM_001199629,NM_002475	MYL6B	myosin light chain 6B	1.05870603	-1.491407072	28.918635	30.702132	18.227243	4.87400371	4.95358253	4.32123795	1112	1573	917
1591	NM_000782,NM_001128915	CYP24A1	cytochrome P450 family 24 subfa	-3.29031048	-1.49149714	1.186161	0.356062	0.739938	2.25390578	1.10017522	1.81825156	148	60	122
5723	NM_004577	PSPH	phosphoserine phosphatase	-1.13766057	-1.49151074	12.459863	10.959581	7.846964	4.73878664	4.56011536	4.18825403	1009	1185	832
7584	NM_003420	ZNF35	zinc finger protein 35	1.07935776	-1.492007808	1.965291	2.119445	1.237402	2.60139951	2.69403583	2.1362985	199	287	164
6167	NM_000997	RPL37	ribosomal protein L37	-1.431970519	-1.4922194	370.672699	259.129608	233.425262	9.14874297	8.63183572	8.57253028	22245	20756	18335
7866	NM_006764	IFRD2	interferon related developmental	1.044122932	-1.492514201	26.717024	27.923813	16.817272	5.80386677	5.8650696	5.23874944	2154	3005	1775
245812	NM_152755	CNPY4	canopy FGF signaling regulator 4	1.160492294	-1.49265978	4.040716	4.702658	2.539291	2.76169834	2.94679374	2.28470378	227	352	187
1893	NM_001202858,NM_004425,NM	ECM1	extracellular matrix protein 1	-1.157546675	-1.49265978	2.920822	2.454616	1.786362	2.76169834	2.58366954	2.28470378	227	262	187
221120	NM_139178	ALKBH3	alkB homolog 3, alpha-ketoglutar	-1.225749947	-1.493128031	13.511849	11.043128	8.508405	4.43676607	4.1580214	3.890818	811	884	668
22934	NM_144563	RPIA	ribose 5-phosphate isomerase A	-1.208107079	-1.493217695	20.855621	17.288111	13.123954	5.2579245	4.99298	4.69792476	1463	1618	1205
55352	NM_001330176,NM_018405	COPRS	coordinator of PRMT5 and differe	1.016968048	-1.493391035	51.877487	52.721118	32.470847	5.59546755	5.61924533	5.0314812	1859	2526	1531
8861	NM_001113407,NM_001321612	LDB1	LIM domain binding 1	-1.394900553	-1.493597954	28.276218	20.924903	17.600989	6.39904131	5.92559583	5.82863901	3274	3136	2696
54529	NM_019048	ASNSD1	asparagine synthetase domain co	1.151995243	-1.493836211	13.897643	16.02603	8.738593	5.10616256	5.30477538	4.54762018	1313	2021	1081
29116	NM_013262	MYLIP	myosin regulatory light chain inte	1.104260692	-1.494040578	8.667512	9.584647	5.451275	4.75112025	4.88914782	4.19805401	1018	1502	838
55052	NM_001318485,NM_017971	MRPL20	mitochondrial ribosomal protein L	-1.038231154	-1.49411611	84.686623	84.485037	54.88852	6.07474472	6.02143287	5.50595994	2607	3355	2146
27037	NM_001257994,NM_001331039	TRMT2A	tRNA methyltransferase 2 homol	1.071839094	-1.494205172	13.653468	14.660332	8.538295	5.32271189	5.42038874	4.76098929	1532	2194	1261
54165	NM_001308101,NM_020640	DCUN1D1	defective in cullin neddylation 1 d	-1.22986517	-1.494220274	8.935475	7.270361	5.618645	6.1108172	5.81709458	5.54167545	2674	2905	2201
90525	NM_001301168,NM_001301169	SHF	Src homology 2 domain containir	-3.702500878	-1.49434882	0.287301	0.077941	0.183169	0.77668602	0.25173066	0.56199967	28	10	23
79876	NM_001320210,NM_001321238	UBA5	ubiquitin like modifier activating e	1.330863274	-1.495191873	16.205382	21.086045	10.021722	5.88258712	6.28887397	5.31428079	2277	4049	1873
6399	NM_001011658,NM_001128835	TRAPPC2	trafficking protein particle comple	-1.362569748	-1.495318758	11.108769	8.102758	6.929231	4.96034122	4.53067054	4.4025964	1183	1160	973
9859	NM_001042404,NM_001042405	CEP170	centrosomal protein 170	-1.378503385	-1.495485759	15.010061	10.808457	9.383549	6.69626523	6.23840437	6.12250838	4032	3908	3316
100133612	NR_024455	LINC01134	long intergenic non-protein codin	-1.463112773	-1.495660229	0.135663	0.092897	0.082853	0.35634914	0.25173066	0.24657076	11	10	9
3823	NM_002261,NM_007333	KLRC3	killer cell lectin like receptor C3	1.357313733	-1.495660229	0.254083	0.37031	0.175507	0.35634914	0.46599441	0.24657076	11	20	9
149095	NM_001143687,NM_152494	DCST1	DC-STAMP domain containing 1	-2.415817531	-1.495660229	0.116681	0.046589	0.07586	0.35634914	0.07586	0.24657076	11	6	9
100128338	NR_033849	FAM83H-AS1	FAM83H antisense RNA 1 (head	-1.341932819	-1.495705484	26.409735	19.698055	16.590271	6.15738072	5.73994431	5.58651095	2763	2751	2272
116362	NM_052960,NR_138250	RBP7	retinol binding protein 7	-6.17359214	-1.495826246	2.170724	0.356151	1.3625	1.27880673	0.29720487	0.96541723	56	12	46
8601	NM_001286673,NM_001286674	RGS20	regulator of G protein signaling 2	-1.506098567	-1.495974927	7.123034	4.305591	4.811757	3.32434579	2.8044511	2.81278744	354	314	291
3184	NM_001003810,NM_002138,NM	HNRNPD	heterogeneous nuclear ribonucle	-1.054771882	-1.496231653	263.95644	249.954697	164.993008	9.1159378	9.0391488	8.53589027	21744	27544	17874
27339	NM_014502	PRPF19	pre-mRNA processing factor 19	1.385460384	-1.496399333	42.434891	58.860584	26.646204	6.61011426	7.07637626	6.03591064	3796	7027	3120
79871	NM_024813	RPAP2	RNA polymerase II associated pr	1.026292127	-1.496408608	5.611641	5.768039	3.520579	4.17110273	4.20649667	3.62870475	668	916	549
2188	NM_022725	FANCF	Fanconi anemia complementatio	-1.48936217	-1.49664378	9.444499	6.344373	5.93035	4.97443634	4.42196539	4.41525433	1195	1072	982
25	NM_005157,NM_007313	ABL1	ABL proto-oncogene 1, non-rece	1.100759669	-1.496776659	16.61384	17.699551	10.128786	6.51688599	6.65394663	5.94280996	3556	5230	2922
4282	NM_002415	MIF	macrophage migration inhibitory	1.010926253	-1.496806917	1112.106079	1125.479004	698.182739	9.2489593	9.26461149	8.66824533	23848	32212	19596
56890	NM_001205028,NM_001205029	MDM1	Mdm1 nuclear protein	-1.385529846	-1.497197884	6.730064	4.936221	4.245609	4.28857758	3.8462471	3.74245532	728	702	598
56259	NM_001281495,NM_030877	CTNNBL1	catenin beta like 1	1.103734687	-1.497224021	31.959902	35.305038	20.051609	5.96549005	6.10571785	5.39460182	2414	3560	1983
105371049	NR_135175	LOC105371049	uncharacterized LOC105371049	-1.883306278	-1.497660974	5.806853	3.073346	3.663525	2.14180175	1.49109792	1.71282633	134	95	110
92935	NM_138395	MARS2	methionyl-tRNA synthetase 2, mi	1.473612637	-1.497858591	2.739245	4.048802	1.720998	3.2098649	3.71835988	2.70236404	324	638	266
80273	NM_025196	GRPEL1	GrpE like 1, mitochondrial	1.060207014	-1.497892262	39.595238	42.026451	24.843761	6.76713944	6.85073511	6.19076655	4237	6002	3479
651746	NM_001164440	ANKRD33B	ankyrin repeat domain 33B	-1.471345422	-1.499232128	0.637801	0.43419	0.398924	2.76710656	2.30630165	2.28470378	228	207	187
1181	NM_001171087,NM_001171088	CLCN2	chloride voltage-gated channel 2	1.433251174	-1.499397301	14.646816	20.994428	9.183409	5.57788058	6.08803782	5.00846075	1836	3516	1506
100506504	NR_146290	PRKCZ-AS1	PRKCZ antisense RNA 1	1.020492746	-1.499428371	0.456897	0.465925	0.286908	0.64188297	0.65251278	0.45708734	22	30	18
106660606	NR_132988	LOC106660606	uncharacterized LOC106660606	1.426753538	-1.499428371	1.154469	1.692857	0.713107	0.64188297	0.84852988	0.45708734	22	42	18
283335	NR_033854	LOC283335	uncharacterized LOC283335	-1.559317293	-1.499442038	2.990113	1.922519	1.875695	3.22566415	2.66830768	2.71606984	328	281	269
53838	NM_001300913,NM_022338	C11orf24	chromosome 11 open reading fra	1.100282749	-1.499478563	28.155032	30.032755	17.302841	5.70448427	5.83984166	5.13373733	2008	2952	1647
55009	NM_017914	C19orf24	chromosome 19 open reading fra	-1.06496716	-1.499973236	34.89526	32.78661	21.861826	4.973267	4.88543063	4.41104735	1194	1498	979

23589	NM_001042476,NM_001278260	CARHSP1	calcium regulated heat stable prc	-1.689506079	-1.500006652	22.982779	13.558245	13.520829	5.9795352	5.23857061	5.40592109	2438	1928	1999
8405	NM_001007226,NM_001007227	SPOP	speckle type BTB/POZ protein	1.052136316	-1.500288742	22.894721	23.798403	14.245856	6.04778035	6.12002389	5.47337838	2558	3596	2097
1983	NM_001969,NM_183004	EIF5	eukaryotic translation initiation fa	1.392198128	-1.500618203	64.169975	89.440733	40.188373	8.54058821	9.01686386	7.95696399	14580	27121	11950
90	NM_001105,NM_001111067,NM	ACVR1	activin A receptor type 1	1.173832372	-1.500620072	5.712281	7.041343	3.788477	4.16497021	4.38426973	3.61901061	665	1043	545
1958	NM_001964	EGR1	early growth response 1	1.498322198	-1.500686314	119.982178	179.974274	75.128204	8.52101518	9.10305988	7.93735213	14383	28794	11788
728723	NR_024398	ZBED3-AS1	ZBED3 antisense RNA 1	1.043132388	-1.500697183	0.747594	0.779517	0.464259	0.88013425	0.90836632	0.64076093	33	46	27
114884	NM_001174060,NM_017784	OSBPL10	oxysterol binding protein like 10	-1.259445075	-1.500800919	6.121735	4.898681	3.831804	4.70677986	4.38821527	4.14837451	986	1046	808
23190	NM_014607	UBXN4	UBX domain protein 4	-1.111328085	-1.501125151	86.541214	77.95826	54.176498	8.40612354	8.25431084	7.82220283	13279	15965	10880
4913	NM_001318193,NM_001318194	NTHL1	nth like DNA glycosylase 1	-1.29590288	-1.501457128	28.655433	22.189399	17.909563	4.93413697	4.57403823	4.37117906	1161	1197	951
80020	NM_001102371,NM_024955	FOXRED2	FAD dependent oxidoreductase d	-7.640987282	-1.50147554	8.57406	1.120207	5.40038	5.42033281	2.69403583	4.85070035	1642	287	1345
145376	NM_172365	PPP1R36	protein phosphatase 1 regulatory	1.115622753	-1.501716884	1.012048	1.138728	0.627492	1.26358189	1.3579479	0.95003448	55	82	45
200185	NM_173852	KRTCAP2	keratinocyte associated protein 2	-1.310790035	-1.501761646	200.516663	153.151062	125.473061	6.75221813	6.36592354	6.1722427	4193	4274	3434
474170	NM_001006607	LRRC37A2	leucine rich repeat containing 37	-1.279408968	-1.501838688	9.239383	7.230669	5.781444	5.57171277	5.22466294	5.00008264	1828	1909	1497
653073	NM_001282472	GOLGA8J	golgin A8 family member J	-1.493449487	-1.501972458	0.328772	0.219703	0.204491	1.42282133	1.08298891	1.08290869	66	59	54
474338	NR_002190	SUMO1P3	SUMO1 pseudogene 3	1.105513486	-1.502292292	1.905931	2.106749	1.179135	1.69664266	1.79836126	1.31676564	88	130	72
101929709	NR_125822	LOC101929709	uncharacterized LOC101929709	-1.162313233	-1.502358901	4.590571	3.953339	2.860146	3.0281061	2.83945493	2.52685524	281	323	230
5155	NM_002608,NM_033016	PDGFB	platelet derived growth factor sub	-1.101533339	-1.502942445	9.241023	8.396746	6.652382	5.137819	5.00244904	4.57043432	1343	1629	1099
64847	NM_001258372,NM_001258373	SPATA20	spermatogenesis associated 20	-1.303940437	-1.503452016	68.386557	52.542341	42.775525	7.52124125	7.14074177	6.93689955	7173	7350	5868
80199	NM_001171937,NM_025129,NR	FUZ	fuzzy planar cell polarity protein	1.884568879	-1.504044331	1.593267	2.992357	0.972989	1.86749926	2.58366954	1.46482043	104	262	85
51659	NM_016095	GINS2	GINS complex subunit 2	1.193698637	-1.504438527	35.957157	42.959755	22.451912	5.40306784	5.65297851	4.83089121	1622	2587	1326
79145	NM_001011667,NM_001011668	CHCHD7	coiled-coil-helix-coiled-coil-helix c	1.072338602	-1.504440154	12.251954	13.091851	7.83782	4.60324437	4.70000624	4.04356865	915	1311	748
9739	NM_014712	SETD1A	SET domain containing 1A	1.038334265	-1.504561602	11.665513	12.126133	7.285392	6.21441445	6.26796989	5.63481342	2876	3990	2351
56655	NM_019896	POLE4	DNA polymerase epsilon 4, acce	1.040028577	-1.504772944	43.075333	44.862778	26.910658	4.92690697	4.98170859	4.36103743	1155	1605	944
6229	NM_001026,NM_001142282,NM	RPS24	ribosomal protein S24	-1.788482465	-1.505989018	1936.067784	1079.708488	1198.490674	10.24217114	9.40437152	9.65206076	47511	35494	38802
55854	NM_018471	ZC3H15	zinc finger CCCH-type containing	1.212950283	-1.506008393	73.38868	89.118034	45.788612	7.26133439	7.53820743	6.67534152	5984	9698	4887
284098	NM_001346754,NM_001346755	PIGW	phosphatidylinositol glycan anch	1.122640474	-1.50618011	10.907369	11.649042	6.603521	4.94729859	5.10909111	4.3798155	1172	1758	957
100422936	NR_036108	MIR3153	microRNA 3153	-1.092788977	-1.506292755	8.560379	7.867156	5.33133	0.7550755	0.70406985	0.54161868	27	33	22
63922	NM_022092	CHTF18	chromosome transmission fidelity	-1.012301585	-1.506321599	41.336475	40.878414	25.78492	6.97011073	6.95261273	6.38487885	4883	6445	3987
55036	NM_001243342,NM_001330508	CCDC40	coiled-coil domain containing 40	1.566882478	-1.506321651	1.51947	2.808252	1.106674	2.85607368	3.43022535	2.36229074	245	513	200
107282092	NM_001320622,NM_001320623	BOLA2-SMG1P6	BOLA2-SMG1P6 readthrough	-2.005925161	-1.506398171	6.468244	3.9818	3.64534899	2.75234181	3.11132089	301	452	301	369
11137	NM_001317962,NM_001317963	PWP1	PWP1 homolog, endonuclein	-1.175103182	-1.50647805	29.845413	25.432644	18.619757	6.26737207	6.03785144	5.68562013	2985	3394	2437
340544	NR_038978	MORF4L2-AS1	MORF4L2 antisense RNA 1	1.604343964	-1.506536071	0.688822	1.106838	0.429284	1.55375576	2.03820547	1.19154816	76	163	62
5010	NM_001185056,NM_005602	CLDN11	claudin 11	1.742019608	-1.506536071	0.711397	1.253442	0.444405	1.55375576	2.12902957	1.19154816	76	177	62
84833	NM_001206426,NM_001206427	USMG5	up-regulated during skeletal mus	-2.132861731	-1.506543961	223.89471	102.879152	137.867128	6.66437729	5.58756701	6.08030079	3943	2470	3219
65009	NM_001130487,NM_001242833	NDRG4	NDRG family member 4	-1.078498717	-1.506545014	3.018681	2.908857	1.8995	3.42014445	3.3216324	2.89541791	381	472	311
1967	NM_001414	EIF2B1	eukaryotic translation initiation fa	-1.185475124	-1.506960093	41.391598	34.948051	25.811445	6.25491539	6.01294005	5.6727924	2959	3335	2415
25977	NM_015509,NR_024260	NECAP1	NECAP endocytosis associated	-1.432720644	-1.50712704	18.272354	12.715356	11.395407	5.54520135	5.03971569	4.9689398	1794	1673	1464
7353	NM_001035247,NM_005659	UFD1	ubiquitin recognition factor in ER	-1.010165601	-1.507166074	29.837722	29.580657	18.643847	5.72199495	5.7076802	5.14391339	2033	2689	1659
5983	NM_002915,NM_181558	RFC3	replication factor C subunit 3	1.06686271	-1.507384956	20.831608	22.33792	12.853498	5.61509368	5.70662732	5.03786164	1885	2687	1538
80097	NM_001330282,NM_001330284	MZT2B	mitotic spindle organizing protein	1.086310011	-1.507514869	107.653432	117.12894	67.0728	6.63842332	6.75671129	6.05356106	3872	5620	3159
128710	NM_001009608	SLX4IP	SLX4 interacting protein	1.189544158	-1.507637347	6.347185	7.559497	3.953469	5.26558691	5.51002377	4.69215761	1471	2338	1200
51163	NM_016216	DBR1	debranching RNA lariats 1	1.30526764	-1.507816349	13.026957	17.022978	8.119748	5.13468443	5.50942012	4.56286962	1340	2337	1093
145783	NR_015419	LOC145783	uncharacterized LOC145783	1.426723748	-1.507874441	0.464467	0.664536	0.285682	1.24819466	1.5673195	0.93448595	54	103	44
400752	NR_024270	LINC01144	long intergenic non-protein codin	-1.50164333	-1.507874441	0.815694	0.544092	0.513508	1.24819466	0.93737891	0.93448595	54	48	44
493754	NR_111972,NR_111973,NR_11	GS1-124K5.11	RAB guanine nucleotide exchang	-1.747393582	-1.508030697	11.336929	6.961647	6.987074	4.45865714	3.70154644	3.8988521	824	630	672
6778	NM_001178078,NM_001178079	STAT6	signal transducer and activator o	-1.090147499	-1.508047482	55.08565	50.696004	34.241627	7.74311177	7.61919369	7.15387725	8372	10261	6828
4753	NM_001145107,NM_001145108	NELL2	neural EGFL like 2	5.071477869	-1.508374261	0.112907	0.573269	0.070027	0.49317359	1.62195412	0.34394329	16	109	13
285051	NM_001163561,NM_173649	STPG4	sperm-tail PG-rich repeat contain	-2.121756333	-1.508374261	0.336146	0.217894	0.183129	0.49317359	0.25173066	0.34394329	16	10	13
84798	NM_001290149,NM_001290150	C19orf48	chromosome 19 open reading fra	1.065539471	-1.509245423	72.716264	79.501874	46.443642	6.92878408	7.01964157	6.34095711	4744	6754	3866
93081	NM_001286775,NM_001286776	TEX30	testis expressed 30	-1.380786031	-1.509333026	12.498661	9.025321	7.744568	4.12971807	3.69519054	3.57706795	648	627	528
55331	NM_001300953,NM_001300954	ACER3	alkaline ceramidase 3	1.240958843	-1.509719532	4.539375	5.648373	2.834041	5.07488655	5.37802931	4.50219918	1284	2129	1046
57505	NM_020745	AARS2	alanyl-tRNA synthetase 2, mitoch	-1.024086805	-1.509724977	6.876691	6.722063	4.277089	5.04514512	5.01185634	4.47289912	1257	1640	1024
64422	NM_001278712,NM_022488	ATG3	autophagy related 3	1.355043387	-1.509888806	39.082673	55.394168	25.858176	6.13402522	6.56698651	5.54998966	2718	4921	2214
22928	NM_012248	SEPHS2	selenophosphate synthetase 2	1.058277626	-1.510086387	32.919109	34.879181	20.48315	6.25491539	6.3355957	5.66986103	2959	4184	2410
125988	NM_001308240,NM_205767	C19orf70	chromosome 19 open reading fra	-1.124804785	-1.510090645	49.664063	43.811382	30.534954	5.49393602	5.32824046	4.91549289	1730	2055	1409
155054	NM_001001661	ZNF425	zinc finger protein 425	-1.037182928	-1.510329445	0.477105	0.460462	0.293185	1.32354034	1.29208824	0.99569924	59	76	48
25880	NM_015421	TMEM186	transmembrane protein 186	1.061013092	-1.510437707	13.707624	14.563834	8.522839	4.34572074	4.42708835	3.78642406	759	1076	618
6988	NM_022171	TCTA	T-cell leukemia translocation alte	1.275417937	-1.51057656	4.322552	5.518269	2.682253	3.32800968	3.64770479	2.80425801	355	605	289
102723356	NR_125796,NR_125797	ZFPM2-AS1	ZFPM2 antisense RNA 1	1.238188922	-1.510775888	8.589976	10.725697	5.752519	3.1155	3.39143785	2.60259472	301	498	245
285237	NM_173824	C3orf38	chromosome 3 open reading fran	1.155615638	-1.511380274	14.897736	17.235138	9.262642	5.29115116	5.49485624	4.71395121	1498	2313	1219
8125	NM_006305	ANP32A	acidic nuclear phosphoprotein 32	1.041513335	-1.511530754	119.575638	124.680984	74.343185	8.17047757	8.22895983	7.57701913	11272	15686	9172
339883	NM_001302831,NM_001302832	C3orf35	chromosome 3 open reading fran	-1.306916667	-1.511534817	1.298755	1.019032	0.818277	1.73025772	1.47139626	1.34055586	91	93	74
29090	NM_014177	TIMM21	translocase of inner mitochondria	-1.104448321	-1.511870804	37.38958	33.891994	23.24329	5.82929499	5.68860967	5.24585326	2193	2653	1784
54742	NM_001160354,NM_001160355	LY6K	lymphocyte antigen 6 family mem	1.074451983	-1.511926556	40.140406	43.410716	25.063123	6.12562907	6.22780153	5.53974996	2702	3879	2198
100302137	NR_031735	MIR1914	microRNA 1914	-1.068734087	-1.511956431	15.554302	14.495008	9.521638	1.15225689	1.10017522	0.85412573	48	60	39
10944	NM_014267	C11orf58	chromosome 11 open reading fra	-1.231795572	-1.512574303	55.645565	45.223	34.569084	7.75914518	7.45992094	7.16553888	8466	9183	6884
100507419	NR_123723	MMP25-AS1	MMP25 antisense RNA 1	1.213098965	-1.513323103	5.129229	6.234767	3.184129	3.66576097	3.92440495	3.1250843	459	744	373
54948	NM_017840	MRPL16	mitochondrial ribosomal protein L	1.180756902	-1.513388485	73.247047	86.582932	45.487022	6.41463226	6.65176009	5.82548131	3310	5222	2690
57489	NM_001007022,NM_001184765	ODF2L	outer dense fiber of sperm tails 2	1.252110186	-1.513499266	9.942365	12.555965	6.187301	5.41258913	5.73013338	4.8319406	1633	2732	1327
66008	NM_015049	TRAK2	trafficking kinesin protein 2	1.234803386	-1.513598393	4.853687	5.998956	3.011503	4.99301815	5.28868274	4.41805218	1211	1998	984
28974	NM_014047	C19orf53	chromosome 19 open reading fra	-1.242214859	-1.513711346	106.204643	85.604988	65.940002	6.57006607	6.26081446	5.979733	3691	3970	2999
2305	NM_001243088,NM_001243089	FOXM1	forkhead box M1	-1.262211938	-1.513723473	35.066611	27.878514	21.745712	6.92485776	6.59200518	6.33282566	4731	5008	3844
10436	NM_001320049,NM_006331,NR	EMG1	EMG1, N1-specific pseudouridine	-1.409600887	-1.513827781	58.238882	41.432511	36.255515	5.94416257	5.45841569	5.35791727	2378	2254	1932
6737	NM_003141	TRIM21	tripartite motif containing 21	-1.470663732	-1.513840171	26.818165	18.258589	16.643192	5.68318697	5.13983896	5.09928918	1978	1797	1607
10171	NM_001286699,NM_001286700	RCL1	RNA terminal phosphate cyclase	1.048911152	-1.514224538	13.147027	13.674454	8.061108	4.83462363	4.90116298	4.26173929	1081	1515	878
79031	NM_024065	PDCL3	phosducin like 3	1.062586212	-1.514305867	27.590597	29.353327	17.113291	4.90131278	4.98605418	4.3272039	1134	1610	921
54982	NM_017882	CLN6	ceroid-lipofuscinosis, neuronal 6,	-1.070292016	-1.514326168	32.171631	30.099852	19.96699	6.15480425	6.05821852	5.5684757	2758	3443	2240
7988	NM_012256	ZNF212	zinc finger protein 212	-1.522986343	-1.514467724	15.846187	10.417777	9.835457	5.47174989	4.88170383	4.88952086	1703	1494	1383
677806	NR_002960	SNORA20	small nucleolar RNA, H/ACA box	-1.826605003	-1.514555142	7.231046	3.935909	4.5173	0.95786335	0.59904473	0.69713258	37	27	30
10421	NM_001243646,NM_006110	CD2BP2	CD2 cytoplasmic tail binding prot	-1.001835756	-1.514756373	29.888368	29.806836	18.513172	6.65383272	6.65121294	6.06208239	3914	5220	3178
652276	NR_015441	LOC652276	potassium channel tetramerizatic	1.265017391	-1.514863612	2.297815	2.916292	1.427242	2.82529613	3.12128662	2.32899908	239	404	194
165631	NM_001113523,NM_001308320	PARP15	poly(ADP-ribose) polymerase fan	-1.454838327	-1.514960587	0.754289	0.513526	0.460041	2.03825186	1.64851465	1.60891398	122	112	99
401427	NM_001005328	OR2A7	olfactory receptor family 2 subfan	-1.645078408	-1.515153358	0.576064	0.355717	0.356234	0.61813834	0.40498891	0.43515728	21	17	17
6635	NM_001304464,NM_001328637	SNRPE	small nuclear ribonucleoprotein p	-1.279918066	-1.515338457	92.686572	72.493419	57.453147	7.16117001	6.80792961	6.5667003	5580	5825	4529
339210	NM_001085430	C17orf67	chromosome 17 open reading fra	-1.106397092	-1.515415823	2.026248	1.840649	1.258268	2.33625658	2.2203867	1.87636985	159	192	129
57478	NM_020718	USP31	ubiquitin specific peptidase 31	-1.156739733	-1.515498312	4.318967	3.737903	2.679043	5.52379552	5.31862454	4.94003266	1767	2041	1434
55437	NM_001206864,NM_018571	STRADB	STE20-related kinase adaptor be	-1.037813206	-1.515519792	8.456396	8.158926	5.254054	4.3257022	4.27486596	3.76240724	748	963	607
3382	NM_001136020,NM_001276478	ICA1	islet cell autoantigen 1	-3.050183281	-1.515819034	16.315424	5.409495	10.259843	5.33732843	3.79960773	4.75546927	1548	678	1256
1387	NM_001079846,NM_004380	CREBBP	CREB binding protein	1.152605495	-1.516199942	6.826343	7.852816	4.209742	6.09692582	6.29903888	5.50727429	2648	4078	2148
5892	NM_001142571,NM_002878,NM	RAD51D	RAD51 paralog D	1.008558263	-1.516344276	3.733466	3.894216	2.257059	3.22566415	3.23665287	2.70236404	328	442	266
4867	NM_000272,NM_001128178,NM	NPHP1	nephrocystin 1	1.617879227	-1.516445445	1.751712	2.938602	1.151971	2.51403512	3.10858833	2.0378728	185	400	150
55683	NM_001115016,NM_001349256	KANSL3	KAT8 regulatory NSL complex su	-1.055421794	-1.516446655	29.37541	27.96726	18.085892	7.22716041	7.14987283	6.63141584	5843	7397	4739
11019	NM_001278590,NM_001278591	LIAS	lipoic acid synthetase	-1.187253397	-1.516537087	16.581073	14.403029	10.520919	4.75520813	4.51752196	4.18168353	1021	1149	828
54995	NM_001145391,NM_017897,NR	OXSM	3-oxoacyl-ACP synthase, mitoch	1.103233559	-1.516561644	6.598204	7.854648	4.280678	3.43720745	3.56646274	2.90342651	386	569	313
55636	NM_001316690,NM_017780	CHD7	chromodomain helicase DNA bin	-1.085916255	-1.516626746	5.735682	5.64977	3.740989	6.03718766	5.92015589	5.44759453	2539	3124	2059
6606	NM_000344,NM_000344_dup1,N	SMN1	survival of motor neuron 1, telom	-1.121859532	-1.516798052	79.219627	70.808967	49.394149	6.96305922	6.79857175	6.3679768	4859	5787	3940
81669	NM_001039577,NM_001320153	CCNL2	cyclin L2	-1.101901569	-1.517250706	141.823699	120.635879	80.855231	9.24351339	9.10375989	8.64328098	23758	28808	19259
1636	NM_000789,NM_001178057,NM	ACE	angiotensin I converting enzyme	-2.58406814	-1.517349694	4.584602	1.766908	2.802435	4.50955634	3.23665287	3.94031242	855	442	693
6136	NM_000976	RPL12	ribosomal protein L12	-1.120635116	-1.517483105	1628.691284	1454.973633	1008.571289	10.03284795	9.86869702	9.43187795	41089	48990	33303

10985	NM_006836	GCN1	GCN1, eIF2 alpha kinase activat	-1.195957704	-1.517622391	48.543652	40.633823	30.056454	8.6818614	8.42438138	8.08186059	16084	17969	13035
400043	NR_026656	LINC02381	long intergenic non-protein codin	-1.681565099	-1.517931496	1.179991	0.692968	0.72366	1.38110603	0.96581954	1.03996283	63	50	51
220992	NM_001318140,NM_001318141	ZNF485	zinc finger protein 485	-1.297000024	-1.517997729	2.540689	1.954486	1.597399	2.60744196	2.30073045	2.12264217	200	206	162
832	NM_001206540,NM_001206541	CAPZB	capping actin protein of muscle Z	1.131770042	-1.518076835	108.872482	129.036616	74.435162	7.6332019	7.81093874	7.0347063	7755	11727	6283
26054	NM_001100409,NM_001304792	SENP6	SUMO1/sentrin specific peptidas	-1.102546345	-1.518122969	15.61455	13.546223	10.810099	6.51246517	6.37324105	5.91831779	3545	4296	2872
10435	NM_006779	CDC42EP2	CDC42 effector protein 2	1.405540692	-1.518301306	10.065899	14.173167	6.225698	4.38142134	4.85249002	3.81430154	779	1463	631
196513	NM_001319292,NM_152640,NR	DCP1B	decapping mRNA 1B	1.189411619	-1.518305257	6.340184	7.565632	3.92959	3.83495865	4.06906113	3.28382219	521	828	422
23141	NM_015114	ANKLE2	ankyrin repeat and LEM domain	-1.352667071	-1.518392316	74.902489	55.433636	46.355175	8.3569833	7.92272325	7.75671142	12833	12676	10395
55028	NM_001100621,NM_001100622	C17orf80	chromosome 17 open reading fra	1.136917008	-1.518480669	12.318953	12.935058	6.554311	5.26271827	5.44332498	4.67938813	1468	2230	1189
101928527	NM_001308421,NM_001308422	PIGBOS1	PIGB opposite strand 1	-1.365668729	-1.5186063	9.701922	7.188944	5.999377	3.37481244	2.97505117	2.84224948	368	360	298
100507501	NR_039999	LINC01569	long intergenic non-protein codin	-1.341251157	-1.518981038	3.143001	2.347675	1.94772	2.89117014	2.53229878	2.38534784	252	251	204
5569	NM_006823,NM_181839	PKIA	cAMP-dependent protein kinase	1.043838235	-1.519337832	0.941015	0.986084	0.581557	2.28439817	2.33383942	1.8266989	152	212	123
283869	NM_001099456	NPW	neuropeptide W	1.289860566	-1.519337832	3.901654	5.049017	2.414385	2.28439817	2.58366954	1.8266989	152	262	123
347744	NM_001145020,NR_026736,NR	C6orf52	chromosome 6 open reading fran	1.408828355	-1.519366789	1.044398	1.51705	0.585013	0.73313634	0.95166931	0.52094563	26	49	21
664618	NR_073415	HSP90AB4P	heat shock protein 90 alpha famil	-1.157223357	-1.519366789	0.209862	0.184047	0.128548	0.73313634	0.65251278	0.52094563	26	30	21
85865	NM_001042717,NM_033107	GTPBP10	GTP binding protein 10	-1.615916553	-1.519462019	4.794386	2.97503	2.970149	5.17592889	4.50788353	4.5928933	1380	1141	1117
100302138	NR_031699	MIR1292	microRNA 1292	1.193356706	-1.519510406	1.927714	2.152628	1.000452	0.17294258	0.20477631	0.1148164	5	8	4
677795	NR_002990	SNORA5B	small nucleolar RNA, H/ACA box	1.193356706	-1.519510406	0.8222	1.140928	0.545734	0.17294258	0.20477631	0.1148164	5	8	4
102466744	NR_106885	MIR6827	microRNA 6827	-5.96997905	-1.519510406	2.019498	0.325652	1.033124	0.17294258	0.02724389	0.1148164	5	1	4
406933	NR_029682	MIR141	microRNA 141	1.193356706	-1.519510406	1.131519	1.603676	0.766616	0.17294258	0.20477631	0.1148164	5	8	4
100422965	NR_036230	MIR4263	microRNA 4263	-2.171056089	-1.519510406	1.263905	0.706154	0.743927	0.17294258	0.08023518	0.1148164	5	3	4
101927084	NR_119383	LINC01359	long intergenic non-protein codin	-2.171056089	-1.519510406	0.104201	0.046171	0.057893	0.17294258	0.08023518	0.1148164	5	3	4
407012	NR_029496	MIR24-1	microRNA 24-1	1.04680643	-1.519510406	1.57699	1.886527	0.893477	0.17294258	0.18071335	0.1148164	5	7	4
83940	NM_001146160,NM_001317889	TATDN1	TatD DNase domain containing 1	1.003646702	-1.519923267	79.481587	75.401403	49.343814	6.35572529	6.36091297	5.7608309	3176	4259	2570
10274	NM_005862	STAG1	stromal antigen 1	1.330881709	-1.520227944	7.07749	9.431749	4.37382	5.19411105	5.59668916	4.61012283	1398	2486	1131
440944	NR_027007,NR_132780,NR_13	THUMPD3-AS1	THUMPD3 antisense RNA 1	1.160006139	-1.520435609	12.791467	14.865887	7.290375	4.43676607	4.64170569	3.86644371	811	1257	656
55850	NM_018467	USE1	unconventional SNARE in the ER	-1.16230056	-1.520771258	19.002903	16.350174	11.744285	4.07407972	3.87089436	3.51308411	622	715	503
728661	NM_001110781,NM_001290264	SLC35E2B	solute carrier family 35 member E	-4.99712303	-1.520966264	10.468619	2.038291	6.275953	5.96254669	3.7308426	5.36952688	2409	644	1948
5283	NM_004569	PIGH	phosphatidylinositol glycan anch	1.049343615	-1.521045932	12.341037	12.974375	7.624036	4.19336823	4.25915261	3.62870475	679	952	549
54816	NM_001002843,NM_001002844	ZNF280D	zinc finger protein 280D	-1.144031253	-1.521111358	7.587758	6.610502	4.591467	5.15339049	4.96507495	4.56917629	1358	1586	1098
116937	NR_000027	SNORD83A	small nucleolar RNA, C/D box 83	1.399177305	-1.521175324	40.126678	56.12458	24.798363	2.23841445	2.63327382	1.78395874	146	273	118
51371	NM_015932	POMP	proteasome maturation protein	-1.143961764	-1.52121087	63.953564	55.968098	39.506222	6.52329217	6.33150339	5.92620061	3572	4172	2888
79600	NM_001082537,NM_001082538	TCTN1	tectonic family member 1	1.099191798	-1.521227963	14.674125	16.04849	9.002646	4.90008261	5.03217088	4.3197426	1133	1664	916
51182	NM_001278205,NM_016299,NR	HSPA14	heat shock protein family A (Hsp	-1.031538255	-1.521327446	32.906649	30.915347	19.905694	6.25539649	6.21119301	5.65984958	2960	3834	2393
10457	NM_001005340,NM_002510	GPNMB	glycoprotein nmb	-1.370586258	-1.521635317	0.7338	0.532637	0.456819	1.57857476	1.29208824	1.20457043	78	76	63
23549	NM_001319116,NM_001319117	DNPEP	aspartyl aminopeptidase	1.167634723	-1.521789261	19.415194	22.759523	11.984256	6.21540387	6.43621034	5.61970202	2878	4490	2326
3084	NM_001159995,NM_001159996	NRG1	neuregulin 1	1.730376541	-1.522575697	0.843648	1.332296	0.396951	1.63881618	2.2203867	1.25551499	83	192	67
101926888	NR_109885,NR_109886	RALY-AS1	RALY antisense RNA 1	-1.289032888	-1.522575697	3.225933	2.499717	1.983857	1.63881618	1.40024122	1.25551499	83	86	67
25936	NM_001042549,NM_001297736	NSL1	NSL1, MIS12 kinetochore comple	1.078823229	-1.522765152	2.800778	3.191972	1.730111	5.20511061	5.31171658	4.61866105	1409	2031	1138
10128	NM_133259	LRPPRC	leucine rich pentatricopeptide rep	1.040956689	-1.5228023	42.742409	44.544212	26.375708	8.1109793	8.16868458	7.50696842	10815	15042	8735
7818	NM_001199849,NM_001199850	DAP3	death associated protein 3	-1.275453675	-1.522812012	72.772603	57.027655	44.958458	7.20167463	6.85335388	6.60003701	5740	6013	4636
9260	NM_005451,NM_203352,NM_21	PDLIM7	PDZ and LIM domain 7	1.202650046	-1.523095737	163.601629	199.289599	103.072089	8.02513761	8.29042356	7.42101683	10188	16371	8227
109617013	NR_145752	SNORD63B	small nucleolar RNA, C/D box 63	1.086288165	-1.523675579	22.162394	23.948378	13.536065	1.36692851	1.44132992	1.02535867	62	90	50
84572	NM_032520	GNPTG	N-acetylglucosamine-1-phosphat	-1.025879935	-1.523907502	76.566025	74.71627	47.205494	6.55177312	6.51530806	5.95200904	3644	4746	2941
100302273	NR_031655	MIR1254-1	microRNA 1254-1	-1.655403173	-1.524323174	9.509065	5.6602	5.935088	0.93882015	0.63490936	0.6758357	36	29	29
22944	NM_012311,NR_045609	KIN	Kin17 DNA and RNA binding pro	-1.070981329	-1.52482366	5.020376	4.524682	2.937381	4.89267947	4.79717993	4.36923152	1127	1406	909
10500	NM_001178061,NM_001178062	SEMA6C	semaphorin 6C	1.254010954	-1.524990192	1.470728	1.852284	0.889307	2.73434891	3.01642592	2.23479744	222	372	179
11035	NM_006871	RIPK3	receptor interacting serine/threon	-1.750940846	-1.52500606	3.4397	1.964705	2.112861	2.89611494	2.22627631	2.38534784	253	193	204
93058	NM_001099337,NM_144576	COQ10A	coenzyme Q10A	-1.674177813	-1.525071319	9.986106	5.917952	5.789559	4.01166006	3.32712361	3.44886901	594	474	479
1854	NM_001025248,NM_001025249	DUT	deoxyuridine triphosphatase	-1.044498024	-1.525099788	60.288261	58.91789	37.605683	6.85165699	6.78940146	6.2492792	4495	5750	3625
2004	NM_001303511,NM_005230	ELK3	ELK3, ETS transcription factor	-1.421373029	-1.525329385	11.818718	8.320255	7.278475	5.62629618	5.13123263	5.03239442	1900	1786	1532
55617	NM_001323602,NM_001323603	TASP1	taspase 1	1.260276983	-1.525785901	6.743225	8.453985	4.021007	4.02074421	4.33606188	3.45705395	598	1007	482
8131	NM_001039476,NM_001077350	NPRL3	NPR3 like, GATOR1 complex sul	1.194184783	-1.525810015	16.369254	19.342013	9.9935	5.56163349	5.81269754	4.9679855	1815	2896	1463
388685	NR_027468,NR_104014	LINC01138	long intergenic non-protein codin	1.419758724	-1.52625811	4.943568	7.085086	3.253166	3.30959645	3.77168848	2.77400153	350	664	282
54991	NM_001330306,NM_017891	C1orf159	chromosome 1 open reading fran	-1.028032394	-1.526594692	16.563909	16.985958	10.82608	5.37942749	5.34051034	4.78719527	1595	2073	1285
11108	NM_012406	PRDM4	PR/SET domain 4	-1.615805171	-1.526896717	9.343866	5.790002	5.752511	5.28927297	4.61950066	4.69792476	1496	1237	1205
100126793	NR_004431,NR_024144,NR_02	GHRLOS	ghrelin opposite strand/antisense	1.317157603	-1.527144216	0.595877	0.802135	0.410848	1.11880553	1.34717796	0.82068496	46	81	37
51071	NM_001300779,NM_015954	DERA	deoxyribose-phosphate aldolase	-1.07993045	-1.527305944	27.089919	25.035482	16.70024	5.59546755	5.48690566	5.00008264	1859	2300	1497
100506022	NR_104622,NR_104623	LOC100506022	uncharacterized LOC100506022	1.787811912	-1.528313037	0.10841	0.195882	0.067336	0.3273552	0.54351856	0.22116494	10	24	8
100506380	NR_103858	LINC01006	long intergenic non-protein codin	-4.296618784	-1.528313037	0.322924	0.077579	0.210958	0.3273552	0.08023518	0.22116494	10	3	8
102466724	NR_106797	MIR6739	microRNA 6739	1.34305698	-1.528313037	3.453634	4.637109	2.089862	0.3273552	0.42561204	0.22116494	10	18	8
115650	NM_052945	TNFRSF13C	TNF receptor superfamily membe	2.158066855	-1.528313037	0.264569	0.604862	0.161863	0.3273552	0.63490936	0.22116494	10	29	8
105369391	NR_145823	LOC105369391	uncharacterized LOC105369391	-2.625753038	-1.528313037	0.400271	0.148463	0.245631	0.3273552	0.13134883	0.22116494	10	5	8
196446	NM_182530	MYRFL	myelin regulatory factor-like	1.269454991	-1.528313037	0.076566	0.100457	0.051156	0.3273552	0.40498891	0.22116494	10	17	8
220963	NM_001323977,NM_001323978	SLC16A9	solute carrier family 16 member 9	-1.331384061	-1.528313037	0.064151	0.047168	0.03924	0.3273552	0.25173066	0.22116494	10	10	8
133383	NM_001171990,NM_001323018	SETD9	SET domain containing 9	-1.110546561	-1.52834497	6.118244	5.290992	4.126716	3.44734922	3.31058687	2.90342651	389	468	313
7498	NM_000379	XDH	xanthine dehydrogenase	1.240490156	-1.528386641	8.94704	11.112538	5.500204	5.66736669	5.97277811	5.07023688	1956	3242	1574
4831	NM_001018137,NM_001018138	NME2	NME/NM23 nucleoside diphosph	-1.233154205	-1.529213864	1259.50951	1006.272542	702.171343	9.83026804	9.52828327	9.21831391	35701	38682	28714
7371	NM_012474	UCK2	uridine-cytidine kinase 2	-1.06138601	-1.529276953	18.034176	17.011168	11.080111	6.44952833	6.36458909	5.84536435	3392	4270	2728
115201	NM_001321287,NM_001321288	ATG4A	autophagy related 4A cysteine pe	-1.215819914	-1.529548179	6.1459	5.047348	3.805686	3.89793981	3.63669106	3.33505242	546	600	439
100505876	NM_001322373,NM_001322374	CEBPZOS	CEBPZ opposite strand	-2.08135715	-1.529599237	20.119998	14.672612	12.038711	5.12629213	4.1126379	4.53478801	1332	855	1071
200424	NM_001287491	TET3	tet methylcytosine dioxygenase 3	1.141993888	-1.5297186	5.731764	6.551712	3.519928	6.01235445	6.20113534	5.41084548	2495	3807	2006
29777	NM_013375	ABT1	activator of basal transcription 1	-1.084245021	-1.529744385	13.383899	12.353592	8.220565	4.9305265	4.81780485	4.34201172	1158	1427	931
84081	NM_001261467,NM_032141	NSRP1	nuclear speckle splicing regulato	-1.046606874	-1.529770404	34.96778	33.495132	21.889498	6.43685918	6.37191335	5.83231428	3362	4292	2703
23178	NM_001252119,NM_001252120	PASK	PAS domain containing serine/th	-1.083105202	-1.530226941	9.870467	9.1683	6.041959	5.52459402	5.41201577	4.92732408	1768	2181	1421
677805	NR_002959	SNORA18	small nucleolar RNA, H/ACA box	-1.961679673	-1.530617451	69.546738	35.459766	42.55307	3.31329794	2.47408961	2.77400153	351	239	282
80206	NM_001281739,NM_001281740	FHOD3	formin homology 2 domain conta	2.409355855	-1.530689458	5.109522	13.417095	3.43085	4.85126892	6.09046153	4.26329596	1094	3522	879
6629	NM_003092,NM_198220	SNRPB2	small nuclear ribonucleoprotein p	1.063406428	-1.53100801	83.929386	89.524143	51.458234	7.07875709	7.16681543	6.46991509	5268	7485	4232
645431	NR_024334	FUT8-AS1	FUT8 antisense RNA 1	1.746137472	-1.531150674	4.9213	8.604682	3.018006	3.42014445	4.16570385	2.87519973	381	889	306
9801	NM_014763	MRPL19	mitochondrial ribosomal protein L	-1.048118251	-1.531152421	13.316295	12.721747	8.172431	6.67951339	6.61238714	6.07233078	3985	5080	3201
140469	NM_001083615,NM_138995,NR	MYO3B	myosin IIIB	5.456723554	-1.531313914	0.061791	0.338883	0.037806	0.46682716	1.63086207	0.32020933	15	110	12
220108	NM_001242312,NM_001330522	FAM124A	family with sequence similarity 12	-2.478798657	-1.531313914	0.096681	0.040218	0.048891	0.46682716	0.20477631	0.32020933	15	8	12
644794	NR_136637	LOC644794	uncharacterized LOC644794	-1.491343508	-1.531539272	9.5698	6.419727	5.866143	4.41281357	3.86901329	3.83329054	797	714	640
645249	NR_038835	MNX1-AS1	MNX1 antisense RNA 1 (head to	-1.417861418	-1.531899883	2.266644	1.593896	1.390939	1.67378945	1.34717796	1.28032816	86	81	69
11171	NM_007178	STRAP	serine/threonine kinase receptor	-1.16301871	-1.531905544	100.376335	86.407883	61.57135	7.54838884	7.33176694	6.93714338	7310	8398	5869
7592	NM_001324139,NM_001324140	ZNF41	zinc finger protein 41	1.022762045	-1.532206534	2.872869	2.795138	1.660842	3.86300966	3.89327789	3.29907966	532	727	427
401106	NR_033929	LINC00884	long intergenic non-protein codin	-2.033649998	-1.532472284	2.225333	1.09809	1.359772	1.78459878	1.1381576	1.37552141	96	63	77
55809	NM_001297573,NM_033502	TRERF1	transcriptional regulating factor 1	1.028335312	-1.532610998	7.211023	7.403653	4.403345	5.76181945	5.80139939	5.15988012	2091	2873	1678
121457	NM_153687,NM_201612,NM_20	IKBIP	IKBKB interacting protein	1.31487382	-1.532720168	10.893413	14.714858	7.117281	4.47692439	4.85629295	3.89484064	835	1467	670
54460	NM_018997,NM_031901	MRPS21	mitochondrial ribosomal protein S	-1.114620674	-1.532807505	70.731968	63.741526	43.304216	6.53165735	6.37688593	5.92374185	3593	4307	2883
340307	NM_178561	CTAGE6	CTAGE family member 6	-1.611402964	-1.532829521	1.832706	1.135333	1.12319	2.52684435	1.98361768	2.0378728	187	155	150
595101	NR_002453	SMG1P5	SMG1P5, nonsense mediated m	1.055404061	-1.533078824	6.083232	6.42791	3.731755	3.91021271	3.98297572	3.34390718	551	777	442
1647	NM_001199741,NM_001199742	GADD45A	growth arrest and DNA damage i	1.451885146	-1.533125841	41.105607	60.116388	25.23412	5.81042968	6.34035544	5.20755546	2164	4198	1736
5891	NM_001272011,NM_001330234	MOK	MOK protein kinase	-1.645401235	-1.533351465	85.090129	51.69281	52.252368	7.27800415	6.56533538	6.66625094	6054	4916	4856
23082	NM_001288727,NM_001288728	PPRC1	peroxisome proliferator-activated	-1.280835889	-1.533375466	20.67742	16.130355	12.646991	6.75255897	6.39921578	6.14294659	4194	4375	3364
4702	NM_001318195,NM_014222	NDUFA8	NADH:ubiquinone oxidoreductas	-1.019542143	-1.533580819	109.165856	107.202363	66.905507	6.5023672	6.4747559	5.89390517	3520	4613	2823
146433	NM_001172771,NM_001172772	IL34	interleukin 34	-2.55239155	-1.533739273	0.353036	0.135602	0.224491	0.71085839	0.31941552	0.49997203	25	13	20
440253	NR_026589	WHAMMP2	WAS protein homolog associated	-1.31923064	-1.533795051	1.178519	0.896721	0.721019	2.81488929	2.47903109	2.30298238	237	240	190
10461	NM_006343	MERTK	MER proto-oncogene, tyrosine ki	-1.401604025	-1.533996147	2.617785	1.869194	1.603287	3.35699061	2.92523142	2.81278744	363	346	291

23383	NM_015329	MAU2	MAU2 sister chromatid cohesion	-1.171523179	-1.534020541	15.961831	13.636368	9.775942	6.25587742	6.03071759	5.64857748	2961	3377	2374
25871	NM_001319109,NM_001319110	NEPRO	nucleolus and neural progenitor p	1.368698801	-1.534103975	15.931029	21.778346	9.765408	6.23602635	6.68368028	5.62878784	2920	5340	2341
26801	NR_002745	SNORD48	small nucleolar RNA, C/D box 48	-1.429367059	-1.534349076	12.056689	8.472606	7.254405	0.81895953	0.61708849	0.58209675	30	28	24
3757	NM_000238,NM_001204798,NM	KCNH2	potassium voltage-gated channel	-18.77131885	-1.534349076	0.189278	0.009138	0.108851	0.81895953	0.05398282	0.58209675	30	2	24
1294	NM_000094	COL7A1	collagen type VII alpha 1 chain	8.102642174	-1.534467422	2.313821	18.771116	1.415982	4.43676607	7.39571573	3.85410038	811	8781	650
8796	NM_001160706,NM_003843,NM	SCEL	sciellin	-1.533393576	-1.534830336	24.559467	16.030082	15.038613	6.27450999	5.66766141	5.6663355	3000	2614	2404
3921	NM_001304288,NM_002295	RPSA	ribosomal protein SA	1.132913693	-1.535109186	654.318144	742.421924	400.596686	9.54461581	9.72442773	8.92730494	29281	44323	23460
84650	NM_001278636,NM_032565,NR	EBPL	emopamil binding protein like	-1.064482156	-1.535116971	32.33911	30.20469	19.869711	4.98839509	4.90116298	4.39409566	1207	1515	967
7443	NM_003384	VRK1	vaccinia related kinase 1	-1.05239771	-1.535340343	51.728252	49.214458	31.655022	6.43940192	6.3665903	5.82969004	3368	4276	2698
112752	NM_001102564,NM_001255995	IFT43	intraflagellar transport 43	1.2565967	-1.535363522	42.136202	52.908847	25.708383	5.14718204	5.46838919	4.55017297	1352	2270	1083
374443	NR_002814,NR_046444,NR_04	LOC374443	C-type lectin domain family 2 me	-1.271344227	-1.535516326	4.909928	3.916155	3.128677	3.64534899	3.3298614	3.08691439	452	475	362
100130958	NM_001129979,NM_001348924	SYCE1L	synaptonemal complex central el	-1.083181726	-1.535879699	1.831295	1.68713	1.110415	1.33814853	1.26944952	0.99569924	60	74	48
60490	NM_001301101,NM_001301102	PPCDC	phosphopantothenoylcysteine de	-1.643539447	-1.53608865	15.029145	8.958331	8.912635	5.00794161	4.31962786	4.41245104	1224	995	980
8464	NM_001261823,NM_001350324	SUPT3H	SPT3 homolog, SAGA and STAG	-1.361570396	-1.536300541	5.513732	3.851082	3.133446	3.5668994	3.16487058	3.0111152	426	418	341
55144	NM_001134479,NM_018103	LRRC8D	leucine rich repeat containing 8 fa	1.059905902	-1.536339735	10.438425	11.098134	6.377573	5.30143773	5.38331039	4.70137402	1509	2137	1208
199704	NM_001288800,NM_152655,NM	ZNF585A	zinc finger protein 585A	-3.55811599	-1.536956362	3.902965	0.652528	1.381842	2.60744196	1.28081328	2.10885534	200	75	160
51548	NM_001193285,NM_001321058	SIRT6	sirtuin 6	-1.072688883	-1.537067466	22.197047	20.719258	13.49401	5.15132397	5.05303203	4.55272125	1356	1689	1085
80705	NM_001349012,NM_001349013	TSGA10	testis specific 10	1.403160504	-1.537088496	2.690581	3.166424	1.468804	3.02359429	3.46052158	2.49540988	280	525	224
439931	NR_027051,NR_027052	THAP7-AS1	THAP7 antisense RNA 1	1.205435541	-1.537088496	5.589765	6.754412	3.491687	3.02359429	3.2626764	2.49540988	280	451	224
166824	NM_001270391,NM_001270392	RASSF6	Ras association domain family m	-2.358774419	-1.537178624	1.6867	0.716722	1.019978	3.43381096	2.36620557	2.88332104	385	218	308
339366	NM_213604	ADAMTSL5	ADAMTS like 5	-2.030561991	-1.537196002	3.795764	1.869564	2.317033	3.53238053	2.63327382	2.9773697	415	273	332
3087	NM_002729	HHEX	hematopoietically expressed hom	-5.751654435	-1.537882963	9.343217	1.619024	5.711527	4.0892716	1.9196316	3.51308411	629	146	503
1108	NM_001273,NM_001297553	CHD4	chromodomain helicase DNA bin	1.106472015	-1.537906396	33.966482	37.741818	20.938583	7.76304126	7.90837074	7.14563148	8489	12550	6789
9255	NM_001142415,NM_001142416	AIMP1	aminoacyl tRNA synthetase com	-1.104730044	-1.538189677	38.050363	33.541562	23.789884	6.63842332	6.49624116	6.02494052	3872	4683	3096
100133331	NR_028327_chr1,NR_028327_c	LOC100133331	uncharacterized LOC100133331	1.058871761	-1.538283684	23.848566	25.282915	14.568055	6.64724883	6.72897843	6.03363206	3896	5512	3115
55219	NM_001282564,NM_018202	TMEM57	transmembrane protein 57	1.38387141	-1.538452251	6.839566	9.409112	4.124527	4.76334931	5.2172889	4.17011265	1027	1899	821
10169	NM_001018108,NM_001199875	SERF2	small EDRK-rich factor 2	-1.991336142	-1.538619182	80.512529	47.314943	50.989705	7.97796477	6.98987416	7.35939863	9859	6615	7881
84695	NM_001289164,NM_001289165	LOXL3	lysyl oxidase like 3	1.697501328	-1.539872182	0.830992	1.756128	0.510193	2.01115992	2.61991364	1.56919173	119	270	95
283624	NR_038970,NR_038971	LINC00641	long intergenic non-protein codin	1.234778332	-1.539888104	13.9363	18.116411	8.079916	6.07801211	6.37820906	5.4666377	2613	4311	2087
116540	NM_053050	MRPL53	mitochondrial ribosomal protein L	-1.07946025	-1.540297542	62.812378	58.243374	38.30719	5.35987438	5.2523455	4.75546927	1573	1947	1256
645158	NR_033754	CBX3P2	chromobox 3 pseudogene 2	-1.406574249	-1.540368139	1.800866	1.286055	1.094025	1.81624731	1.48128072	1.39836968	99	94	79
52	NM_001040649,NM_004300,NM	ACP1	acid phosphatase 1, soluble	-1.012118188	-1.540596041	81.9542	81.800431	50.51346	6.95152649	6.93428958	6.33430752	4820	6363	3848
100506599	NR_038969	PPP1R26-AS1	PPP1R26 antisense RNA 1	1.383931804	-1.540628528	4.02976	5.584228	2.451626	3.64240927	4.07885924	3.07986458	451	834	360
54765	NM_017583	TRIM44	tripartite motif containing 44	-1.094954667	-1.54081834	23.351118	21.349995	14.239771	7.11737959	6.98749203	6.4992752	5412	6604	4320
4678	NM_001195193,NM_002482,NM	NASP	nuclear autoantigenic sperm prot	1.035114292	-1.540867094	158.168764	157.380753	89.771445	8.67980191	8.72947296	8.05795556	16061	22213	12820
622	NM_004051,NM_203314,NM_20	BDH1	3-hydroxybutyrate dehydrogenas	-1.238592473	-1.541067559	12.634385	10.19015	7.708309	5.43908863	5.13827799	4.83298924	1664	1795	1328
3224	NM_022658	HOXC8	homeobox C8	-1.662691405	-1.541120163	2.088482	1.258776	1.269507	2.50111114	1.92688293	2.00847214	183	147	146
5393	NM_001034194,NM_005033	EXOSC9	exosome component 9	-1.0285698	-1.541498886	42.336352	41.229772	25.945002	6.08289937	6.04286594	5.47001198	2622	3406	2092
80178	NM_025108	C16orf59	chromosome 16 open reading fra	1.218876012	-1.541740076	11.108853	13.559155	6.767663	4.2192465	4.49085976	3.63593285	692	1127	552
55214	NM_001134418,NM_018192	P3H2	prolyl 3-hydroxylase 2	4.697156015	-1.541779207	3.598445	16.930603	2.191733	3.80372238	5.95204783	3.23388481	509	3195	406
439965	NR_027634	FAM35DP	family with sequence similarity 35	-2.032480989	-1.541982846	0.507444	0.24623	0.303645	1.39514558	0.84852988	1.03996283	64	42	51
100144748	NM_001126049	KLLN	killin, p53-regulated DNA replicat	-1.525654824	-1.541982846	0.386929	0.256105	0.237743	1.39514558	1.04792463	1.03996283	64	56	51
5598	NM_002749,NM_139032,NM_13	MAPK7	mitogen-activated protein kinase	1.051546696	-1.542053041	4.214332	4.633802	2.510408	3.72253824	3.78969848	3.15558012	479	673	382
79184	NM_001018055,NM_001242640	BRCC3	BRCA1/BRCA2-containing comp	1.13116859	-1.542449075	15.196765	17.227513	9.184799	5.44247274	5.61644502	4.83508422	1668	2521	1330
163126	NM_153232	EID2	EP300 interacting inhibitor of diffe	-1.419158756	-1.542525044	16.67532	11.767227	10.161489	4.5618359	4.0821055	3.96921401	888	836	708
5378	NM_000534,NM_001128143,NM	PMS1	PMS1 homolog 1, mismatch repa	1.077041917	-1.542636821	13.697711	14.956151	8.451968	5.51498275	5.61980474	4.90615538	1756	2527	1400
11000	NM_001317929,NM_024330,NR	SLC27A3	solute carrier family 27 member 3	1.325698581	-1.54266138	2.781885	3.692836	1.678366	3.30959645	3.68025029	2.76083766	350	620	279
57122	NM_001330192,NM_020401	NUP107	nucleoporin 107	-1.345129354	-1.542676776	31.822994	23.688006	19.385116	7.60629862	7.18109974	6.98486361	7611	7560	6068
407006	NR_029635	MIR221	microRNA 221	-1.045566551	-1.542829198	12.656782	12.284975	7.786608	1.24819466	1.21124797	0.91876801	54	69	43
642658	NM_001080514,NM_001080514	SCX	scleraxis bHLH transcription facto	-1.610350774	-1.542930375	3.204468	1.987902	1.938323	2.04717061	1.55800914	1.59908548	123	102	98
6103	NM_000328,NM_001034853	RPGR	retinitis pigmentosa GTPase regu	-1.286667698	-1.542972314	2.118339	1.675537	1.31934	2.93507482	2.6243808	2.40804223	261	271	208
150465	NM_153712	TTL	tubulin tyrosine ligase	1.097735868	-1.542979031	6.240998	6.857409	3.80126	5.01704913	5.14761859	4.41525433	1232	1807	982
7074	NM_003253	TIAM1	T-cell lymphoma invasion and me	1.477407938	-1.543164553	0.427984	0.632349	0.259091	2.00201503	2.44407994	1.5590879	118	233	94
9168	NM_021103	TMSB10	thymosin beta 10	-1.127613808	-1.543291344	2220.794189	1971.669067	1352.262329	10.02680189	9.85370483	9.40154046	40917	48483	32609
57333	NM_020650	RCN3	reticulocalbin 3	-1.569578629	-1.54369517	6.72774	4.288554	4.087927	3.71696001	3.12759409	3.14885876	477	406	380
54931	NM_017819	TRMT10C	tRNA methyltransferase 10C, mit	1.605533873	-1.544074205	21.177233	34.045036	12.892159	5.28739233	5.95648354	4.68055367	1494	3205	1190
94104	NM_013329,NM_016631,NR_02	PAXBP1	PAX3 and PAX7 binding protein	-1.141596277	-1.544083593	35.682922	31.038732	21.143976	7.04381437	6.85430499	6.42298332	5141	6017	4095
27077	NM_001243473,NM_001243475	B9D1	B9 domain containing 1	1.22941517	-1.544166784	10.22585	12.537707	6.35041	3.78251604	4.0608449	3.21148164	501	823	399
132720	NM_152400	C4orf32	chromosome 4 open reading fram	-1.095663185	-1.544398829	7.30033	6.670614	4.438021	4.34933082	4.22426305	3.76020394	761	928	606
101929147	NR_125974,NR_125975,NR_12	LOC101929147	uncharacterized LOC101929147	1.172971451	-1.544787849	10.112005	12.195878	6.812382	4.27535493	4.49452466	3.68786049	721	1130	574
9551	NM_001003713,NM_001003714	ATP5J2	ATP synthase, H+ transporting, m	-2.00952867	-1.545029022	316.680297	158.324604	191.204394	7.25965677	6.26224839	6.63710434	5977	3974	4758
128434	NM_080607	VSTM2L	V-set and transmembrane domai	-3.551935722	-1.545130545	1.168838	0.322931	0.709768	1.69664266	0.70406985	1.29257653	88	33	70
56704	NM_001317830,NM_020647	JPH1	junctophilin 1	-1.498887965	-1.545583523	6.424986	4.340168	4.09259	4.82946313	4.27059745	4.22865528	1077	960	857
51263	NM_145212,NR_028356	MRPL30	mitochondrial ribosomal protein L	1.031072175	-1.545687445	17.124136	17.777198	9.989471	6.14860191	6.19213594	5.53137636	2746	3783	2185
9441	NM_004831	MED26	mediator complex subunit 26	-1.034796074	-1.545688747	6.430738	6.220898	3.907043	4.38845666	4.34149855	3.79721001	783	1011	623
664709	NR_002944	HNRNPA1P10	heterogeneous nuclear ribonucle	-1.091630063	-1.546042452	479.701813	439.933777	291.574036	9.30911046	9.18283424	8.68176833	24865	30434	19781
8986	NM_001006944,NM_001300802	RPS6KA4	ribosomal protein S6 kinase A4	1.097304813	-1.546070943	25.283491	27.778786	15.346174	6.28726993	6.41959976	5.66868681	3027	4438	2408
56953	NM_020201	NT5M	5',3'-nucleotidase, mitochondrial	-1.531493358	-1.54612336	1.283695	0.836419	0.770678	1.57857476	1.19932051	1.19154816	78	68	62
51259	NM_001173990,NM_001173991	TMEM216	transmembrane protein 216	1.122072778	-1.546525095	13.565824	15.035835	8.182863	4.17314113	4.33060465	3.58704707	669	1003	532
9771	NM_012294	RAPGEF5	Rap guanine nucleotide exchang	-1.238297947	-1.546690763	2.09917	1.698995	1.275032	3.86300966	3.57802367	3.28688662	532	574	423
140893	NM_080833	RBBP8NL	RBBP8 N-terminal like	1.092135553	-1.546734176	3.734458	4.08312	2.265728	3.50026652	3.61665196	2.93892502	405	591	322
90799	NM_001316990,NM_138363,NR	CEP95	centrosomal protein 95	-1.329009256	-1.546797507	57.657431	43.311213	35.387636	7.39003025	6.98249847	6.76542793	6546	6581	5205
118472	NM_145806,NR_130127	ZNF511	zinc finger protein 511	1.130513548	-1.54688592	25.801671	29.225483	15.668332	4.84999531	5.02120269	4.24765323	1093	1651	869
3182	NM_004499,NM_031266	HNRNPAB	heterogeneous nuclear ribonucle	1.035614707	-1.546979126	243.718445	253.979737	148.317799	8.72174942	8.77211958	8.09415827	16536	22881	13147
10861	NM_022042,NM_134425,NM_21	SLC26A1	solute carrier family 26 member 1	-2.517758432	-1.547409593	0.536856	0.346265	0.411651	1.44997615	0.75384785	1.08290869	68	36	54
23350	NM_001080415,NM_001320219	U2SURP	U2 snRNP associated SURP dor	1.140834136	-1.547481602	59.868005	68.321738	36.360829	8.76673618	8.9564174	8.13862101	17061	26006	13560
145853	NM_001143936	C15orf61	chromosome 15 open reading fra	-1.555344581	-1.547812231	6.562637	4.223124	3.981265	3.21778616	2.66397469	2.66986823	326	280	259
90557	NM_001258304,NM_001258305	CCDC74A	coiled-coil domain containing 74A	1.328373532	-1.547908136	5.831501	8.051244	3.649134	3.34619087	3.72044785	2.79136857	360	639	286
100874214	NR_046724,NR_121665	TM4SF19-AS1	TM4SF19 antisense RNA 1	1.304017866	-1.548107608	2.741819	3.232377	1.740017	2.15835987	2.46415559	1.69448139	136	237	108
4715	NM_001278645,NM_001278646	NDUFB9	NADH:ubiquinone oxidoreductas	-1.08259984	-1.548343962	622.854889	575.91245	378.056603	8.76445648	8.65022965	8.13554327	17034	21023	13531
81873	NM_030978	ARPC5L	actin related protein 2/3 complex	-1.082365487	-1.548587359	42.391575	39.204433	25.721182	6.71387535	6.60081607	6.09042103	4082	5039	3242
84306	NM_032346	PDCD2L	programmed cell death 2 like	-1.559776111	-1.548822974	28.208824	18.099928	17.117977	5.03509348	4.4181112	4.42780216	1248	1069	991
27314	NM_001286059,NM_001286060	RAB30	RAB30, member RAS oncogene	1.514251998	-1.54896151	0.332419	0.501128	0.197188	2.07360076	2.55119137	1.61867597	126	255	100
9854	NM_001290474,NM_014807	C2CD2L	C2CD2 like	-2.668034485	-1.549217423	5.766924	2.157622	3.503257	4.32386849	3.0232078	3.73125051	747	374	593
401097	NM_001168214	C3orf80	chromosome 3 open reading fram	1.370477878	-1.54961375	0.242947	0.334024	0.139561	0.68823103	0.8787583	0.47868902	24	44	19
6143	NM_000981,NM_001330200	RPL19	ribosomal protein L19	-1.201758427	-1.549671981	2434.754563	2031.889374	1487.01831	10.80209654	10.53711219	10.17057648	70059	77892	55604
4714	NM_001284367,NM_001284368	NDUFB8	NADH:ubiquinone oxidoreductas	-1.932449034	-1.550162292	205.949471	106.923954	124.050647	7.23181288	6.29028029	6.60464942	5862	4053	4651
55137	NM_001321825,NM_018086	FIGN	fidgetin, microtubule severing fac	1.186434449	-1.55016277	2.513564	3.057772	1.522533	4.2192465	4.45368941	3.62870475	692	1097	549
84923	NM_001098832,NM_001289410	FAM104A	family with sequence similarity 10	-1.130679228	-1.550486453	33.872023	29.946404	20.580687	6.56231017	6.3871086	5.93794468	3671	4338	2912
26275	NM_014362,NM_198047	HIBCH	3-hydroxyisobutyryl-CoA hydrola	1.18523229	-1.550514123	14.718652	17.438765	8.908833	4.84361034	5.0809276	4.23818553	1088	1723	863
6160	NM_000993,NM_001098577,NM	RPL31	ribosomal protein L31	-1.181767408	-1.550648838	1224.773402	1033.991433	741.958428	9.28374735	9.04322075	8.65214571	24431	27622	19378
55907	NM_018686,NR_135117	CMAS	cytidine monophosphate N-acety	-1.579873722	-1.551226415	42.224251	26.588455	25.32508	6.20547905	5.55693117	5.58277547	2858	2417	2266
143879	NM_001330359,NM_152433,NM	KBTBD3	kelch repeat and BTB domain co	-1.873627519	-1.551354424	1.180528	0.627895	0.703492	2.53320657	1.82964782	2.03057861	188	134	149
692091	NR_003048	SNORD23	small nucleolar RNA, C/D box 23	-1.086804431	-1.551600901	11.300447	10.402443	6.752111	1.15225689	1.08728891	0.83750224	48	59	38
22877	NM_014938	MLXIP	MLX interacting protein	-1.173519987	-1.552102019	12.375685	10.557234	7.492359	6.67915485	6.45074658	6.05266115	3984	4536	3157
23378	NM_015324	RRP8	ribosomal RNA processing 8, me	-1.366710318	-1.552392568	17.322435	12.690439	10.489626	4.93293448	4.49939675	4.32422401	1160	1134	919
84922	NM_032836	FIZ1	FLT3 interacting zinc finger 1	-1.011965968	-1.552460089	8.565856	8.468328	5.180461	4.53514067	4.51872225	3.93446197	871	1150	690
10929	NM_032102,NR_103726	SRSF8	serine and arginine rich splicing f	-1.20708838	-1.552777903	7.351207	6.169813	4.528887	4.98839509	4.72621954	4.37837968	1207	1336	956
790	NM_001306079,NM_004341	CAD	carbamoyl-phosphate synthetase	1.269193168	-1.552929817	18.846743	24.072631	11.49312	7.0393515	7.38094139	6.41039332	5125	8691	4059

9848	NM_001009554,NM_001301647	MFAP3L	microfibrillar associated protein 3	-1.196358024	-1.553262608	0.17505	0.154742	0.106324	1.06712766	0.93737891	0.76902392	43	48	34
55954	NM_001003692,NM_001318129	ZMAT5	zinc finger matrin-type 5	-1.108196184	-1.553561205	9.907116	8.665009	6.12367	3.32800968	3.19521507	2.7696269	355	428	281
29781	NM_001185011,NM_014551,NM	NCAPH2	non-SMC condensin II complex s	1.085365071	-1.554014479	19.725067	21.475994	12.386955	5.79991465	5.91606244	5.17814982	2148	3115	1700
2965	NM_001142307,NM_005316	GTF2H1	general transcription factor IIH su	-1.2544521	-1.554179405	17.709889	13.967515	10.639729	5.86125307	5.54047969	5.23874944	2243	2389	1775
90835	NM_001014979,NM_001195620	CCDC189	coiled-coil domain containing 189	1.359376313	-1.554332463	5.699677	7.977749	3.483021	3.17773766	3.57802367	2.62698266	316	574	250
55744	NM_001321197,NM_001321198	COA1	cytochrome c oxidase assembly f	-1.135163839	-1.554400453	46.646601	36.439234	21.604635	5.85745527	5.67790497	5.2347877	2237	2633	1770
51134	NM_001042399,NM_001346457	CEP83	centrosomal protein 83	-1.234381631	-1.554431292	9.030815	7.337434	5.379999	4.81778406	4.52590309	4.20940382	1068	1156	845
64689	NM_001278789,NM_001278790	GORASP1	golgi reassembly stacking protein	-1.210727876	-1.555264361	14.438254	11.929604	8.827182	5.63519596	5.36540872	5.01401925	1912	2110	1512
4123	NM_001256494,NM_001256495	MAN2C1	mannosidase alpha class 2C me	1.109177256	-1.555545871	36.265567	40.570354	21.802186	6.85324699	7.00151155	6.2227218	4500	6669	3558
30834	NM_001278785,NM_001278786	ZNRD1	zinc ribbon domain containing 1	-1.342806685	-1.555845654	37.717062	28.546504	23.320076	4.97793871	4.56825335	4.36539258	1198	1192	947
3291	NM_000196	HSD11B2	hydroxysteroid 11-beta dehydrog	1.542710047	-1.556037857	2.238852	3.473213	1.35483	2.3579234	2.8811152	1.86820921	162	334	128
3552	NM_000575	IL1A	interleukin 1 alpha	4.554536331	-1.556638796	0.675119	3.088792	0.405426	1.55375576	3.29665996	1.16514558	76	463	60
124401	NM_001242929,NM_001308089	ANKS3	ankyrin repeat and sterile alpha m	-1.082371063	-1.55731431	13.382643	12.922582	8.214321	5.16060006	5.04971445	4.5437825	1365	1685	1078
84285	NM_001242481,NM_001242482	EIF1AD	eukaryotic translation initiation fa	1.035201924	-1.557352226	18.462997	19.247855	11.212167	5.7037794	5.75275261	5.07998613	2007	2776	1585
100507463	NR_037173,NR_037174,NR_037	PSMB8-AS1	PSMB8 antisense RNA 1 (head t	-1.314650327	-1.557523798	4.818599	3.583762	2.900306	2.86618866	2.53229878	2.3329413	247	251	195
83473	NM_031303	KATNAL2	katanin catalytic subunit A1 like 2	-1.24471483	-1.558372778	0.123065	0.103717	0.074526	0.43999062	0.36283659	0.29607837	14	15	11
4205	NM_001130926,NM_001130927	MEF2A	myocyte enhancer factor 2A	1.564697532	-1.558717356	13.541953	20.641413	7.946257	6.21045	6.84930468	5.5809041	2868	5996	2263
55702	NM_018074	CCDC94	coiled-coil domain containing 94	-1.201659178	-1.558740073	18.424276	15.353435	11.104227	4.75248416	4.49818027	4.14161942	1019	1133	804
100129792	NM_001134848	CCDC152	coiled-coil domain containing 152	1.466183521	-1.559168279	4.398411	6.45194	2.648257	3.99562384	4.51872225	3.40441396	587	1150	463
55692	NM_001320226,NM_001330420	LUC7L	LUC7 like	1.049394106	-1.559290376	48.443623	51.839875	30.704052	6.48974676	6.5585496	5.85778233	3489	4892	2752
124220	NM_145252	ZG16B	zymogen granule protein 16B	1.077166888	-1.55958785	2.074058	2.244759	1.237137	1.42282133	1.49109792	1.05442063	66	95	52
26039	NM_001301778,NM_198935,NR	SS18L1	SS18L1, nBAF chromatin remode	1.029968232	-1.559591296	11.555318	11.60627	7.024507	5.64844354	5.69020854	5.02323609	1930	2656	1522
84069	NM_001160184,NM_032129	PLEKHN1	pleckstrin homology domain cont	-1.274645462	-1.559640939	16.096999	12.688729	9.669142	5.24732179	4.90759148	4.62714903	1452	1522	1145
8208	NM_005441	CHAF1B	chromatin assembly factor 1 subu	1.009884731	-1.559778384	20.563482	20.794006	12.392682	5.54362658	5.55751527	4.91944741	1792	2418	1413
25766	NM_001031698,NM_012272	PRPF40B	pre-mRNA processing factor 40 h	-1.368717044	-1.559831539	15.725171	11.517691	9.482041	5.70870626	5.2659901	5.08263362	2014	1966	1588
122970	NM_152331	ACOT4	acyl-CoA thioesterase 4	-1.169377001	-1.559952956	7.419281	6.343842	4.458287	3.67729659	3.47048058	3.09742492	463	529	365
8870	NM_003897	IER3	immediate early response 3	1.188803249	-1.560150472	160.279175	190.743134	96.53994	7.60365607	7.85199076	6.96610789	7597	12067	5989
6608	NM_005631	SMO	smoothened, frizzled class recep	-1.307370862	-1.560262288	0.325498	0.247671	0.194715	1.13562816	0.93737891	0.82068496	47	48	37
57542	NM_020782	KLHL42	kelch like family member 42	-1.236695901	-1.560429235	10.059236	8.143038	6.057215	6.008364	5.70715386	5.37889138	2688	2688	1961
22989	NM_014981	MYH15	myosin heavy chain 15	1.302368844	-1.560681541	10.032103	13.080979	6.040602	6.13140667	6.50777196	5.5006905	2713	4721	2138
79053	NM_001007027,NM_024079	ALG8	ALG8, alpha-1,3-glucosyltransfer	-1.295360015	-1.561394252	64.806267	50.141551	38.974428	6.74229857	6.37290924	6.10698744	4164	4295	3280
445571	NM_001291821,NM_201453	CBWD3	COBW domain containing 3	-1.195420097	-1.561480932	23.389523	19.600767	14.091337	5.31257643	5.06211622	4.68984427	1521	1700	1198
65094	NM_001161465,NM_023007	JMJD4	jumonji domain containing 4	1.335577309	-1.561847306	10.468144	14.011641	6.309098	4.77413325	5.17832427	4.16012035	1035	1847	815
91612	NM_001204063,NM_001204064	CHURC1	churchill domain containing 1	-1.061816012	-1.562214453	16.597526	15.600512	9.97482	5.88445448	5.79942543	5.25448848	2280	2869	1795
100131801	NM_001171155,NR_033242	PET100	PET100 homolog	-1.423375328	-1.562288603	120.749819	85.229673	72.546708	5.3820734	4.88729042	4.75767981	1598	1500	1258
6198	NM_001272042,NM_001272043	RPS6KB1	ribosomal protein S6 kinase B1	-1.213014763	-1.562510647	22.72441	18.742267	13.804283	6.90045776	6.62442377	6.26334948	4651	5123	3661
387066	NR_003038	SNHG5	small nucleolar RNA host gene 5	-1.306904142	-1.562769313	55.465477	42.489506	33.351543	4.82687594	4.45619745	4.21101796	1075	1099	846
51174	NM_001193609,NM_001193610	TUBD1	tubulin delta 1	-1.19854556	-1.562908012	8.017715	6.704854	4.893097	4.29607932	4.04926299	3.6924898	732	816	576
140711	NM_001304783,NM_080628	TLDC2	TBC/LysM-associated domain co	-10.93919649	-1.563019636	0.515689	0.037533	0.306242	1.04948198	0.13134883	0.75138414	42	5	33
7923	NM_014234	HSD17B8	hydroxysteroid 17-beta dehydrog	-6.839283628	-1.56303332	2.701123	0.391208	1.617034	1.8573935	0.46599441	1.42086173	103	20	81
1774	NM_001009932,NM_001009933	DNASE1L1	deoxyribonuclease 1 like 1	-1.173251705	-1.563116933	11.416444	9.920171	7.015145	5.09652857	4.87328317	4.47558749	1304	1485	1026
55269	NM_001042414,NR_003272,NR	PSPC1	paraspeckle component 1	1.191557036	-1.563234485	29.69248	35.873788	17.741177	5.94117533	6.19025398	5.30976834	2373	3778	1867
7743	NM_001278231,NM_001278232	ZNF189	zinc finger protein 189	1.205540972	-1.563463932	11.784282	14.314879	7.183851	5.26176079	5.52503349	4.63798928	1467	2363	1154
57018	NM_001308185,NM_020307	CCNL1	cyclin L1	-1.134146733	-1.563503448	137.053071	122.021437	82.46014	8.61379781	8.4326831	7.9710832	15341	18073	12068
83538	NM_001350319,NM_031421,NR	TTC25	tetratricopeptide repeat domain 2	1.455902972	-1.563605937	0.489094	0.707307	0.289068	1.27880673	1.62195412	0.93448595	56	109	44
27332	NM_001014972,NM_001252612	ZNF638	zinc finger protein 638	1.063883665	-1.563805291	34.205724	36.396765	20.547386	7.76506983	7.84301302	7.1237327	8501	12084	6686
100158262	NR_023358	SCARNA9L	small Cajal body-specific RNA 9-	-1.668446201	-1.563958304	5.20278	3.138111	3.115276	1.47662927	1.04792463	1.09694451	70	56	55
57602	NM_001321291	USP36	ubiquitin specific peptidase 36	-1.143677788	-1.563991382	25.338551	22.179041	15.224137	7.20042592	7.0081501	6.56069931	5735	6700	4510
51287	NM_016565	COA4	cytochrome c oxidase assembly f	1.09839831	-1.564083756	73.194649	80.50647	43.972076	5.88694053	6.02016213	5.25527094	2284	3352	1796
2888	NM_001303422,NM_004490	GRB14	growth factor receptor bound pro	1.089492961	-1.564236918	5.069224	5.532085	3.046819	3.67729659	3.79168578	3.09392991	463	674	364
4673	NM_001307924,NM_001330231	NAP1L1	nucleosome assembly protein 1 l	-1.263656492	-1.564601034	149.604769	120.586958	91.469164	9.35005934	9.01303616	8.70550857	25582	27049	20110
51236	NM_016458,NM_016458_dup1	HGH1	HGH1 homolog	-1.051990144	-1.564784914	4.240415	4.035706	2.550158	3.51962058	3.45300696	2.94281592	411	522	323
127602	NM_001145154,NM_001349911	DNAH14	dynein axonemal heavy chain 14	-1.405508614	-1.564790727	26.934626	15.90934	20.283651	5.61359342	5.13436815	4.98412333	1883	1790	1480
83937	NM_032023	RASSF4	Ras association domain family m	-1.642448707	-1.564827549	1.900987	1.155023	1.140332	2.49460548	1.93409799	1.98602166	182	148	143
6941	NM_001077511,NM_001318908	TCF19	transcription factor 19	-1.095780383	-1.565218671	12.447106	11.727192	7.650645	5.35987438	5.2312675	4.73317556	1573	1918	1236
55133	NM_018079	SRBD1	S1 RNA binding domain 1	1.251927049	-1.565987533	5.409286	6.77764	3.242185	4.35472906	4.6646589	3.74691298	764	1278	600
23098	NM_015077	SARM1	sterile alpha and TIR motif contai	1.641570436	-1.566024997	1.01637	1.671856	0.608507	3.04155747	3.68667221	2.4901017	284	623	223
56965	NM_001323515,NM_001323516	PARP6	poly(ADP-ribose) polymerase fan	-1.296607427	-1.566093492	27.071025	20.53715	16.038403	6.18794463	5.81904452	5.55190154	2823	2909	2217
9135	NM_001083585,NM_001291581	RABEP1	rabaptin, RAB GTPase binding e	-1.022745887	-1.566128849	7.713869	8.837575	5.869421	5.16981689	5.13827799	4.54506286	1374	1795	1079
100529145	NR_037709	TEN1-CDK3	TEN1-CDK3 readthrough (NMD c	-1.43226229	-1.566259597	12.979078	9.075542	7.790208	5.4297412	4.92580232	4.80119389	1653	1542	1298
54934	NM_017822	KANSL2	KAT8 regulatory NSL complex su	-1.16261583	-1.566288592	27.766436	23.909794	16.657827	6.03382638	5.82001851	5.38396696	2533	2911	1989
51033	NM_016060	MED31	mediator complex subunit 31	-1.01496338	-1.566350681	5.287125	5.211734	3.17303	3.25900323	3.23373217	2.68852679	335	441	263
23361	NM_001080417,NM_001345970	ZNF629	zinc finger protein 629	1.104638041	-1.566774626	9.711201	10.74468	5.815135	5.87509343	6.01634318	5.24112127	2265	3343	1778
4172	NM_001270472,NM_002388	MCM3	minichromosome maintenance c	1.180128853	-1.566865344	43.791708	51.766329	26.328869	7.10648778	7.3438377	6.46451209	5371	8469	4216
10622	NM_006467	POLR3G	RNA polymerase III subunit G	-1.367230126	-1.567091533	9.43047	6.909322	5.655795	4.96269999	4.52828878	4.34053776	1185	1158	930
1719	NM_000791,NM_001290354,NM	DHFR	dihydrofolate reductase	1.055198456	-1.568128018	30.477899	31.947543	18.224748	6.85832327	6.93518881	6.21630676	4516	6367	3542
136647	NM_138701	MPLKIP	M-phase specific PLK1 interactin	-1.308233136	-1.568198587	50.902336	38.932652	30.48315	5.57402879	5.19568855	4.94197793	1831	1870	1436
127579	NM_144622	DCST2	DC-STAMP domain containing 2	-2.427957462	-1.568327026	1.196432	0.491253	0.711457	1.93632435	1.11294744	1.4863075	111	61	87
100271849	NM_001145785	MEF2B	myocyte enhancer factor 2B	2.205731102	-1.568462399	1.077086	2.388849	0.640043	1.33814853	2.12902957	0.98063768	60	177	47
55243	NM_001286349,NM_018240	KIRREL	kin of IRRE like (Drosophila)	1.397245689	-1.568889327	10.159601	14.098599	6.033169	6.28066775	6.7579824	5.64141262	3013	5625	2362
60496	NM_015423	AASDHPPT	aminoadipate-semialdehyde deh	-1.049376426	-1.568991769	20.640682	19.69401	12.360156	5.87070407	5.80238536	5.2347877	2258	2875	1770
5820	NR_003367	PVT1	Pvt1 oncogene (non-protein codi	1.090889453	-1.569500371	27.159229	29.669165	16.261217	5.70940872	5.83262085	5.07467653	2015	2937	1579
3178	NM_002136,NM_031157,NR_13	HNRNPA1	heterogeneous nuclear ribonucle	-1.12827926	-1.569952929	524.853767	454.61457	313.317558	9.82707559	9.65315457	9.17725667	35622	42184	27907
5805	NM_000317	PTS	6-pyruvoyltetrahydropterin synthe	-2.252791796	-1.569964007	39.427952	17.51074	23.595945	5.20411411	4.08048581	4.5754555	1408	835	1103
100500862	NR_037421	MIR3648-1	microRNA 3648-1	1.244483702	-1.570114996	1.209532	1.588543	0.720369	0.29776659	0.36283659	0.19530369	9	15	7
9744	NM_014716	ACAP1	ArfGAP with coiled-coil, ankyrin r	2.06630562	-1.570114996	0.087935	0.192558	0.048273	0.29776659	0.56226574	0.19530369	9	25	7
79802	NM_024746	HHIPL2	HHIP like 2	1.655394661	-1.570114996	0.08396	0.152154	0.052708	0.29776659	0.46599441	0.19530369	9	20	7
374987	NR_103535	NEXN-AS1	NEXN antisense RNA 1	-2.36595793	-1.570114996	0.091313	0.039211	0.06001	0.29776659	0.13134883	0.19530369	9	5	7
101928530	NR_110919	LOC101928530	uncharacterized LOC101928530	-1.494302911	-1.570114996	0.418825	0.272706	0.233621	0.29776659	0.20477631	0.19530369	9	8	7
5933	NM_001323281,NM_001323282	RBL1	RB transcriptional corepressor lik	1.022778627	-1.570173036	7.374704	7.016192	4.191458	5.3436769	5.37538151	4.71281235	1555	2125	1218
100289678	NM_001195220,NR_144366,NR	ZNF783	zinc finger family member 783	-1.314631265	-1.570482734	6.006616	4.591998	3.60546	4.78350351	4.40518902	4.16179054	1042	1059	816
4709	NM_001257102,NM_002491	NDUFB3	NADH:ubiquinone oxidoreductas	-1.180089441	-1.570654917	94.739178	80.341052	56.517099	6.14445214	5.90921409	5.50464438	2738	3100	2144
23235	NM_015191	SIK2	salt inducible kinase 2	-1.744748381	-1.570706815	3.690935	2.11935	2.207356	4.43676607	3.68239411	3.82277197	811	621	635
729991	NM_001145783,NM_001145784	BORCS8	BLOC-1 related complex subunit	1.021865948	-1.570827451	8.668529	8.858493	5.156227	3.72253824	3.75141009	3.13191707	479	654	375
9933	NM_014878	PUM3	pumilio RNA binding family mem	1.007333682	-1.571051573	31.211222	31.482265	18.671028	6.09692582	6.10731444	5.45714754	2648	3564	2073
6517	NM_001042	SLC2A4	solute carrier family 2 member 4	-2.364489657	-1.571166866	0.258593	0.111983	0.154646	0.86002952	0.42561204	0.60191771	32	18	25
51384	NM_016087,NM_057168	WNT16	Wnt family member 16	-2.83292233	-1.571166866	0.264096	0.093049	0.160471	0.86002952	0.36283659	0.60191771	32	15	25
3972	NM_000894	LHB	luteinizing hormone beta polypep	-8.341245412	-1.571166866	1.571965	0.176573	0.919055	0.86002952	0.13134883	0.60191771	32	5	25
595100	NR_002443	SNORD18C	small nucleolar RNA, C/D box 18	-1.334627149	-1.571166866	12.189523	9.167892	7.372648	0.86002952	0.68708806	0.60191771	32	32	25
4580	NM_002455,NM_198883	MTX1	metaxin 1	-1.177551245	-1.571783224	33.896965	28.99995	20.300906	5.783997	5.55283585	5.14644623	2124	2410	1662
7639	NM_001256171,NM_001256172	ZNF85	zinc finger protein 85	-1.138620358	-1.571881939	2.860368	2.575376	1.890728	2.87121968	2.71093651	2.32699908	248	291	194
4953	NM_001287188,NM_001287189	ODC1	ornithine decarboxylase 1	1.507999095	-1.571991127	43.779556	65.857006	26.040452	6.62210164	7.2098084	5.97783801	3828	7713	2995
56937	NM_001255976,NM_020182,NM	PMEPA1	prostate transmembrane protein,	1.260365091	-1.572421928	133.065969	161.852717	76.122939	9.23689015	9.57023916	8.58526591	23649	39825	18498
63908	NM_001283018,NM_001283020	NAP1	NSF attachment protein beta	1.122008521	-1.572531792	8.022296	9.119878	4.838801	4.96152109	5.12257466	4.33462681	1184	1775	926
4659	NM_001143885,NM_001143886	PPP1R12A	protein phosphatase 1 regulatory	-2.429171567	-1.572645927	12.740876	5.252127	7.576833	6.08181474	4.83139279	5.44073202	2620	1441	2049
1241	NM_001143919,NM_181657	LTB4R	leukotriene B4 receptor	-1.092334294	-1.573056352	23.097172	19.346457	13.532037	6.4419402	6.31605299	5.7978211	3374	4127	2638
646762	NR_024278	LOC646762	uncharacterized LOC646762	-1.537884634	-1.573239782	3.066354	1.993437	1.830117	4.19135823	3.61216077	3.58206614	678	589	530
64411	NM_022481	ARAP3	ArfGAP with RhoGAP domain, an	-1.634350495	-1.573344667	14.028395	8.591869	8.377319	6.1874405	5.49119219	5.5448789	2822	2307	2206
10144	NM_001015045,NM_001265578	FAM13A	family with sequence similarity 13	1.343194554	-1.573521447	3.900913	5.049519	2.372078	4.34752691	4.75502386	3.73349845	760	1364	594

144165	NM_001144881,NM_001144882	PRICKLE1	prickle planar cell polarity protein	1.131361507	-1.57396842	2.849823	3.280117	1.727294	3.70009475	3.86524379	3.10785943	471	712	368
27122	NM_001018057,NM_001330220	DKK3	dickkopf WNT signaling pathway	-1.464948876	-1.574029347	3.414902	2.354439	2.054723	3.31698997	2.83174937	2.74309688	352	321	275
25824	NM_012094,NM_181651,NM_18	PRDX5	peroxiredoxin 5	-1.258939702	-1.574097631	240.009184	191.20147	142.545036	7.71417985	7.38374371	7.06358242	8205	8708	6411
2275	NM_001243878,NM_004468	FHL3	four and a half LIM domains 3	1.914030542	-1.574152493	3.657308	7.113888	2.181152	2.79384765	3.62781914	2.2537152	233	596	182
399844	NR_028324	LINC01002	long intergenic non-protein codin	1.079290442	-1.574691523	19.31308	20.869558	11.524414	6.53403852	6.64298064	5.88786307	3599	5190	2811
23288	NM_001287499,NM_001287500	IQCE	IQ motif containing E	-1.219509838	-1.574977499	5.419932	4.274632	3.616595	4.95916039	4.68297626	4.33017765	1182	1295	923
7701	NM_001105537,NR_073599,NR	ZNF142	zinc finger protein 142	-1.100473492	-1.575031599	7.633117	6.886754	4.711347	5.54834575	5.41330708	4.91053445	1798	2183	1404
57521	NM_001163034,NM_020761	RPTOR	regulatory associated protein of M	1.035317795	-1.575217079	12.390857	12.845111	7.582707	6.38767545	6.43716284	5.74197396	3248	4493	2536
90637	NM_182491	ZFAND2A	zinc finger AN1-type containing 2	-1.730648346	-1.575244486	16.533743	9.569255	9.854655	3.95592014	3.23080555	3.35270793	570	440	445
646405	NR_026730	TPTE2P1	transmembrane phosphoinositide	2.237943432	-1.57567542	0.072664	0.162404	0.043174	0.54446555	1.02107213	0.36729312	18	54	14
2253	NM_001206389,NM_006119,NM	FGF8	fibroblast growth factor 8	-3.386985596	-1.57567542	0.45404	0.125887	0.251773	0.54446555	0.18071335	0.36729312	18	7	14
124512	NM_001080510,NM_001206983	METTL23	methyltransferase like 23	-1.393757197	-1.576291375	55.306755	38.400289	32.957354	5.86441029	5.39512262	5.22203654	2248	2155	1754
219844	NM_001134793,NM_145014	HYLS1	HYLS1, centriolar and ciliogenes	-1.879387395	-1.576562614	18.992237	9.565745	11.318432	5.18302698	4.30717831	4.54889714	1387	986	1082
100506860	NR_109780	LINC00513	long intergenic non-protein codin	1.146747542	-1.577090716	2.114902	2.438751	1.254713	1.56621863	1.70021226	1.16514558	77	118	60
51126	NM_016100,NM_181527,NM_18	NAA20	N(alpha)-acetyltransferase 20, N	1.107297208	-1.577168319	141.259659	156.631319	84.027705	7.22887622	7.37498902	6.57706411	5850	8655	4562
10220	NM_005811	GDF11	growth differentiation factor 11	1.053698018	-1.577302637	1.671947	1.763557	0.995644	3.12816418	3.19521507	2.56269567	304	428	237
51622	NM_015622	CCZ1	CCZ1 homolog, vacuolar protein	-1.280687368	-1.577404589	36.451508	28.492872	21.710892	6.03886537	5.68807631	5.39389141	2542	2652	1982
126075	NM_001080503	CCDC159	coiled-coil domain containing 159	-1.147843828	-1.57743554	9.145712	7.979549	5.446166	3.38891307	3.21015128	2.80852903	372	433	290
25915	NM_199069,NM_199070,NM_19	NDUFAF3	NADH:ubiquinone oxidoreductas	-1.090326049	-1.577439154	22.356085	20.697037	13.323646	4.95679582	4.83621478	4.32571472	1180	1446	920
101929099	NR_110786	LOC101929099	uncharacterized LOC101929099	-1.201549503	-1.577553076	0.380052	0.315557	0.223281	0.7550755	0.65251278	0.52094563	27	30	21
378108	NM_001317815,NM_198853	TRIM74	tripartite motif containing 74	1.122288154	-1.578496505	0.681469	0.773082	0.410325	0.93882015	1.02107213	0.65979727	36	54	28
221786	NM_145111	FAM200A	family with sequence similarity 20	-1.064527769	-1.57869511	3.089218	2.901615	1.839039	3.08551061	3.00619294	2.52166171	294	369	229
57228	NM_001031628,NM_001033873	SMAGP	small cell adhesion glycoprotein	-1.825373283	-1.579171021	23.642423	12.957275	14.094982	4.6997269	3.87652288	4.07226969	981	718	764
401397	NR_015442,NR_024412	LINC00998	long intergenic non-protein codin	-1.468110189	-1.57933956	34.254932	23.463715	20.460364	5.19711926	4.66140215	4.56033921	1401	1275	1091
397	NM_001175,NM_001321420,NM	ARHGDIB	Rho GDP dissociation inhibitor be	-1.804214296	-1.579807074	118.408702	65.823902	70.288052	7.2846185	6.44064994	6.63020989	6082	4504	4735
91978	NM_033513	TPGS1	tubulin polyglutamylase complex	1.080391351	-1.580066926	6.025181	6.519994	3.581807	2.91572639	3.01302298	2.36229074	257	371	200
64577	NM_001193480,NM_022568,NM	ALDH8A1	aldehyde dehydrogenase 8 famil	1.736134554	-1.580075754	0.818907	1.476138	0.487583	1.61502061	2.19658485	1.20457043	81	188	63
26818	NR_000020	SNORD33	small nucleolar RNA, C/D box 33	-1.61400176	-1.580075754	25.262499	15.804289	14.978681	1.61502061	1.18729361	1.20457043	81	67	63
4254	NM_000899,NM_003994	KITLG	KIT ligand	1.446043508	-1.580110129	1.276581	1.846479	0.758345	2.95890107	3.43277448	2.40240201	266	514	207
2013	NM_001424	EMP2	epithelial membrane protein 2	-1.031317489	-1.580323222	17.123798	16.621828	10.183856	6.45874884	6.41477249	5.8079893	3414	4423	2657
29904	NM_013302	EEF2K	eukaryotic elongation factor 2 kin	1.634187589	-1.580818746	5.230214	8.556082	3.108611	5.27605672	5.97014822	4.63678882	1482	3236	1153
144455	NM_203394	E2F7	E2F transcription factor 7	1.034907505	-1.580885836	5.496386	5.696136	3.26591	4.98839509	5.03636731	4.35374951	1207	1669	939
9557	NM_001256336,NM_001256337	CHD1L	chromodomain helicase DNA bin	-1.442383213	-1.581490573	21.636571	14.882114	12.704037	5.95841587	5.44016111	5.3105214	2402	2225	1868
100630923	NR_038967	LOC100630923	LOC100289561-PRKRIP1 readth	-1.305023287	-1.581610673	4.154928	3.186759	2.471301	3.67729659	3.32712361	3.07986458	463	474	360
3028	NM_001037811,NM_004493	HSD17B10	hydroxysteroid 17-beta dehydrog	1.0749005	-1.581729311	40.737546	43.820934	24.16851	5.29021237	5.39185113	4.64993924	1497	2150	1164
100652748	NM_001290117,NM_001290118	TIMM23B	translocase of inner mitochondria	-1.343128227	-1.58177591	16.272923	11.728232	9.632929	5.12944497	4.71788299	4.49161333	1335	1328	1038
54093	NM_001007259,NM_001007261	SETD4	SET domain containing 4	-1.069622568	-1.581891981	12.243632	11.33407	7.720429	5.25984392	5.16535412	4.61987668	1465	1830	1139
78988	NM_024026	MRPL57	mitochondrial ribosomal protein L	-1.12338821	-1.581956791	20.187952	17.986223	11.989232	5.73309128	5.56856842	5.08703534	2049	2437	1593
101927597	NR_110175,NR_110176,NR_11	NCK1-AS1	NCK1 antisense RNA 1 (head to	-1.217657765	-1.582047192	4.463349	3.769607	2.747125	2.44822539	2.2203867	1.93223726	175	192	136
26999	NM_001037333,NM_001291721	CYFIP2	cytoplasmic FMR1 interacting pro	1.217948371	-1.582651728	0.370373	0.450953	0.220331	1.76310734	1.96964178	1.32870978	94	153	73
55937	NM_001256169,NM_019101,NR	APOM	apolipoprotein M	-1.194323692	-1.582960987	2.672053	2.230659	1.554092	1.55375576	1.38978355	1.15176086	76	85	59
9856	NM_001168374,NM_001168375	KIAA0319	KIAA0319	-2.480790751	-1.583177898	0.257823	0.098754	0.151133	1.43646263	0.75384785	1.05442063	67	36	52
11266	NM_007240	DUSP12	dual specificity phosphatase 12	-1.085211672	-1.583253029	25.648111	23.677052	15.225531	5.03733324	4.9230853	4.39976838	1250	1539	971
283755	NR_036432	HERC2P3	hect domain and RLD 2 pseudog	-1.294755136	-1.583344951	3.830625	2.961337	2.271546	4.08494736	3.73704369	3.47059318	627	647	487
5479	NM_000942	PPIB	peptidylprolyl isomerase B	-1.151673929	-1.583388112	846.925659	736.188477	502.623596	9.72907427	9.52559908	9.4670479	33280	38610	25851
11021	NM_001167606,NM_006861	RAB35	RAB35, member RAS oncogene	-1.193943545	-1.583911893	17.709502	14.868267	10.486711	5.68604484	5.43572001	5.03877083	1982	2218	1539
64221	NM_022370	ROBO3	roundabout guidance receptor 3	-2.369881339	-1.583995603	3.696106	1.558878	2.192374	4.12129674	2.98550663	3.5052118	644	363	500
56160	NM_138704	NSMCE3	NSE3 homolog, SMC5-SMC6 co	1.077980557	-1.583996998	11.418266	12.334261	6.781995	4.29045667	4.39345927	3.66919325	729	1050	566
54939	NM_001284377,NM_001284378	COMMD4	COMM domain containing 4	-1.197781971	-1.583998833	98.09185	80.344988	57.807253	6.54549243	6.28817029	5.89088728	3628	4047	2817
4700	NM_002490	NDUFA6	NADH:ubiquinone oxidoreductas	-1.361660476	-1.584004284	48.845562	35.919991	28.984602	5.92372626	5.48690566	5.27392385	2344	2300	1820
3995	NM_021727	FADS3	fatty acid desaturase 3	1.26011398	-1.584127153	13.69776	17.282026	8.123098	4.63907992	4.96066562	4.00872756	939	1581	729
149076	NM_152493	ZNF362	zinc finger protein 362	-1.152629129	-1.584474409	10.688062	9.277502	6.335226	5.05843928	4.86008588	4.41944907	1269	1471	985
54675	NM_001127458,NM_001323561	CRLS1	cardiolipin synthase 1	1.142233792	-1.584567443	15.207518	17.141524	8.706846	5.84408369	6.03281945	5.19456023	2216	3382	1720
8449	NM_001164239,NM_003587	DHX16	DEAH-box helicase 16	-1.169433876	-1.584810019	9.764507	8.316476	5.722622	5.06723449	4.84867703	4.42780216	1277	1459	991
2526	NM_002033	FUT4	fucosyltransferase 4	-2.637758991	-1.584868142	2.372275	0.899043	1.406235	3.90531607	2.65526948	3.29604105	549	278	426
64928	NM_001318767,NM_001318768	MRPL14	mitochondrial ribosomal protein L	1.503184645	-1.584885371	27.552647	41.42726	16.515245	4.80469545	5.37538151	4.17011265	1058	2125	821
339559	NM_001320178,NM_001320179	ZFP69	ZFP69 zinc finger protein	-1.446404928	-1.584993855	4.641829	3.369072	2.738513	3.50351028	3.02658682	2.9113909	406	375	315
116461	NM_001127394,NM_001300764	TSEN15	tRNA splicing endonuclease subu	1.009935214	-1.585123289	33.125113	33.673597	19.786818	6.00950526	6.02354829	5.35791727	2490	3360	1932
80067	NM_001164821,NM_025000,NR	DCAF17	DDB1 and CUL4 associated facto	-1.015092853	-1.585656031	5.175225	5.056924	3.034043	4.89885139	4.87796738	4.26173929	1132	1490	878
6627	NM_003090,NR_135506,NR_13	SNRPA1	small nuclear ribonucleoprotein p	1.122648768	-1.585835294	109.704166	123.391332	65.244572	6.85895655	7.02450843	6.20095573	4518	6777	3504
10330	NM_001190991,NM_014255	CNPY2	canopy FGF signaling regulator 2	-1.244700113	-1.585888292	59.616665	48.227707	35.692584	6.63657785	6.32431379	5.91873733	3867	4151	2999
539	NM_001697	ATP5O	ATP synthase, H+ transporting, r	-1.75137543	-1.586016131	216.547516	123.765457	128.29715	7.4173735	6.61519533	6.75688927	6672	5090	5174
169981	NM_001010862,NR_027139	SPIN3	spindlin family member 3	1.558064742	-1.586364081	3.583051	5.482432	2.054751	3.71416279	4.31410799	3.11132089	476	991	369
8625	NM_001278727,NM_001278728	RFXANK	regulatory factor X associated an	1.016053044	-1.586368685	34.92306	36.670827	20.712527	5.57248519	5.59498314	4.92437537	1829	2483	1418
101927746	NR_110115	LOC101927746	uncharacterized LOC101927746	-1.045326399	-1.586660982	3.588536	3.440106	2.1147	2.27683528	2.22627631	1.77525664	151	193	117
146857	NM_144682	SLFN13	schlafen family member 13	1.015685298	-1.586668572	21.115622	21.46991	12.506344	7.45220412	7.4745307	6.79101463	6836	9277	5299
4478	NM_002444	MSN	moesin	-2.133819412	-1.586715822	49.936947	23.42626	29.570116	7.60006198	6.51500737	6.93836192	7578	4745	5874
1731	NM_052838	SEPT1	septin 1	1.122057944	-1.586920382	0.35518	0.404608	0.204959	0.64188297	0.70406985	0.43515728	22	33	17
100616194	NR_039689	MIR4477B	microRNA 4477b	-1.333951897	-1.586920382	7.009597	5.101069	3.958072	0.64188297	0.50527715	0.43515728	22	22	17
2048	NM_001309192,NM_001309193	EPHB2	EPH receptor B2	-2.331244334	-1.586973721	6.253384	2.694169	3.713693	6.09262449	4.899321	5.43866688	2640	1513	2046
8662	NM_001037283,NM_003751	EIF3B	eukaryotic translation initiation fa	-1.148388359	-1.587615246	90.370281	78.860501	53.568068	8.07477464	7.87595565	7.41104519	10546	12270	8170
115509	NM_138447,NR_073480,NR_07	ZNF689	zinc finger protein 689	1.258840282	-1.587842563	2.878192	3.472331	1.676247	3.37481244	3.67810329	2.78704637	368	619	285
103504734	NR_128710_chr12,NR_128710_	MIR1244-4	microRNA 1244-4	-1.309357784	-1.587857411	328.251801	250.769699	194.249725	4.76605286	4.39345927	4.12972136	1029	1050	797
100506436	NR_040012	SPAG5-AS1	SPAG5 antisense RNA 1	-1.767618176	-1.587939026	1.000902	0.573096	0.591681	1.23264156	0.81765451	0.88680889	53	40	41
55226	NM_001144030,NM_024662	NAT10	N-acetyltransferase 10	-1.02292237	-1.588523047	31.644565	30.955384	18.708128	6.97098975	6.93855595	6.31003667	4886	6382	3783
440498	NM_001136180	HSBP1L1	heat shock factor binding protein	-1.97189811	-1.588723213	98.204941	49.843094	58.080883	6.18441202	5.22392723	5.52814276	2816	1908	2180
84661	NM_001321209,NM_001321210	DPY30	dpy-30, histone methyltransferas	-1.17224408	-1.588912118	107.590925	92.292158	63.495734	6.31014247	6.08398924	5.65274062	3076	3506	2381
54954	NM_001300788,NM_017848,NM	FAM120C	family with sequence similarity 12	-1.599842776	-1.589420778	3.338759	2.276759	2.24234	2.67804437	2.12902957	2.1362985	212	177	164
84135	NM_001284430,NM_001284431	UTP15	UTP15, small subunit processom	1.032234242	-1.589690615	12.087547	12.493703	7.147628	5.93036974	5.97540322	5.27546743	2355	3248	1822
285203	NM_001278689,NM_173654,NR	EOGT	EGF domain specific O-linked N-	-1.525546551	-1.590659679	6.399801	4.144767	3.714217	4.87275002	4.28900382	4.23183903	1111	973	859
284948	NM_201594	SH2D6	SH2 domain containing 6	1.093099346	-1.590769807	0.167893	0.185467	0.091505	0.41264541	0.44594451	0.27153692	13	19	10
101927233	NR_109879	SEMA6A-AS1	SEMA6A antisense RNA 1	2.006728515	-1.590769807	0.350631	0.70686	0.204254	0.41264541	0.73744528	0.27153692	13	35	10
8358	NM_003537	HIST1H3B	histone cluster 1 H3 family memb	1.435710285	-1.590769807	0.716154	1.013551	0.410482	0.41264541	0.56226574	0.27153692	13	25	10
101928513	NR_110573	CATIP-AS1	CATIP antisense RNA 1	-1.15648108	-1.590769807	0.593337	0.521201	0.344611	0.41264541	0.36283659	0.27153692	13	15	10
84522	NM_032492	JAGN1	jagunal homolog 1	1.001717618	-1.590777632	16.543385	16.592045	9.768655	4.79281331	4.79520018	4.15342015	1049	1404	811
2079	NM_004450	ERH	enhancer of rudimentary homolog	-1.117647482	-1.5913051	261.295502	234.063232	154.311813	7.678032	7.51839306	7.01196918	8001	9565	6184
3223	NM_004503,NM_153693	HOXC6	homeobox C6	-1.546846969	-1.591398795	5.807128	3.658576	3.331046	3.39591204	2.83945493	2.80425801	374	323	289
94163	NR_001457	SNORD38B	small nucleolar RNA, C/D box 38	-1.810549475	-1.591471685	21.401268	11.664215	12.562576	1.29387258	0.84852988	0.93448595	57	42	44
2187	NM_001018113,NM_001324162	FANCB	Fanconi anemia complementatio	1.029083472	-1.592045484	2.646551	2.334698	1.445256	2.74535098	2.78063431	2.19620105	224	308	173
100134938	NM_001114403	UPK3BL1	uroplakin 3B like 1	-1.635808813	-1.592561328	18.393978	11.253803	10.855929	4.64643492	3.97250183	4.00872756	944	771	729
6903	NM_003192	TBCC	tubulin folding cofactor C	-1.193408492	-1.592569533	9.807085	8.216409	5.780559	4.06751962	3.82893354	3.44613034	619	693	478
65244	NM_001293285,NM_001293286	SPATS2	spermatogenesis associated seri	-1.202309953	-1.592596027	13.425589	11.146505	7.855109	5.64990801	5.38988468	4.99540703	1932	2147	1492
89801	NM_001184745,NM_033215	PPP1R3F	protein phosphatase 1 regulatory	-1.844369938	-1.593350483	0.799393	0.43009	0.500967	1.87753473	1.29208824	1.42086173	105	76	81
140686	NM_080614	WFDC3	WAP four-disulfide core domain 3	1.573552097	-1.59338036	1.235994	1.964003	0.7269	1.15225689	1.5486383	0.82068496	48	101	37
80336	NM_001124756,NR_134983,NR	PABPC1L	poly(A) binding protein cytoplasm	-1.054710719	-1.59442167	59.518813	56.623848	35.111875	7.01142618	6.93518881	6.34500571	5026	6367	3877
92002	NM_001130997,NM_152274	FAM58A	family with sequence similarity 58	1.185070877	-1.594512206	17.894672	21.040355	10.453088	4.5127793	4.74787652	3.87664976	857	1357	661
143187	NM_001318203,NM_001318205	VTI1A	vesicle transport through interact	-1.077589283	-1.594545968	8.6509	7.975751	5.421053	5.13259093	5.02796221	4.48362266	1338	1659	1032
140849	NR_040415	LINC00266-1	long intergenic non-protein codin	-2.034777855	-1.594814954	0.905047	0.457573	0.535177	0.73313634	0.40498891	0.49997203	26	17	20
57834	NM_001128932,NM_021187	CYP4F11	cytochrome P450 family 4 subfar	1.122148913	-1.594814954	0.199321	0.221572	0.112855	0.73313634	0.80196545	0.49997203	26	39	20

692088	NR_003044	SNORD50B	small nucleolar RNA, C/D box 50	1.011381444	-1.59531796	26.912806	27.53138	15.960508	1.5285023	1.5392062	1.12461302	74	100	57
203	NM_000476,NM_001318121,NM	AK1	adenylate kinase 1	1.110605098	-1.595784467	16.869247	18.747992	9.937972	5.25600252	5.40359392	4.60399302	1461	2168	1126
23360	NM_001318339,NM_015308	FNBP4	formin binding protein 4	-1.691591663	-1.595795578	53.722879	31.800417	31.641599	7.77751671	7.0236632	7.10714186	8575	6773	6609
7136	NM_001145829,NM_001145841	TNNI2	troponin I2, fast skeletal type	1.084586801	-1.595949315	10.897443	11.82805	6.418061	3.13236099	3.23665287	2.55254608	305	442	235
8811	NM_003857	GALR2	galanin receptor 2	-3.45055858	-1.596175675	0.750154	0.216529	0.436059	0.99521185	0.36283659	0.69713258	39	15	30
53944	NM_001329605,NM_001329606	CSNK1G1	casein kinase 1 gamma 1	-2.337510947	-1.596269322	4.205515	2.771349	3.265533	5.09974705	3.92982892	4.44984345	1307	747	1007
5514	NM_002714,NR_072994	PPP1R10	protein phosphatase 1 regulatory	-1.129647206	-1.596458454	26.565089	23.53823	15.633452	6.90199491	6.7276815	6.23427685	4656	5507	3587
55180	NM_001040616	LINS1	lines homolog 1	1.465955976	-1.596533345	8.835019	12.970644	5.197569	4.49984402	5.03133013	3.86234099	849	1663	654
55634	NM_001129898,NM_001129899	KRBOX4	KRAB box domain containing 4	-1.056993994	-1.596702399	4.334583	4.110325	2.541622	3.51319803	3.44039495	2.9113909	409	517	315
55520	NM_018696	ELAC1	elaC ribonuclease Z 1	1.03458242	-1.597607618	2.381894	2.468023	1.399772	2.63136183	2.67262769	2.08792485	204	282	157
110006323	NR_146336,NR_146336_dup1	PKD1P4-NPIPA8	PKD1P4-NPIPA8 readthrough	-1.297265877	-1.597698286	11.439587	8.829259	6.727433	6.32396917	5.95382375	5.65866718	3106	3199	2391
337873	NR_036461	HIST2H2BC	histone cluster 2 H2B family mem	1.472021206	-1.597817345	10.898306	16.07375	6.39435	2.84588727	3.33804373	2.28470378	243	478	187
2057	NM_000121,NR_033663	EPOR	erythropoietin receptor	1.012230469	-1.597896385	13.515212	13.586404	7.950625	5.15442263	5.17147225	4.50219918	1359	1838	1046
92399	NM_001173512,NM_001346339	MRRF	mitochondrial ribosome recycling	1.019545669	-1.597949308	20.961041	21.442072	12.574034	6.38942989	6.41702723	5.72343286	3252	4430	2503
30833	NM_001252377,NM_014595,NR	NT5C	5', 3'-nucleotidase, cytosolic	-1.27420276	-1.598491525	98.323525	77.291605	58.060038	6.55138138	6.20598667	5.8838209	3643	3820	2803
55658	NM_194460	RNF126	ring finger protein 126	1.07083862	-1.598537831	38.009125	40.758488	22.349014	5.95605007	6.05325718	5.29310088	2398	3431	1845
23242	NM_001287436,NM_001287438	COBL	cordon-bleu WH2 repeat protein	-14.42916764	-1.599009174	2.771136	0.188776	1.620128	3.93924856	0.99371033	3.31717816	563	52	433
3725	NM_002228	JUN	Jun proto-oncogene, AP-1 transc	1.209029436	-1.599027924	104.806694	126.858116	61.594772	8.40980188	8.68291966	7.73513835	13313	21506	10240
64897	NM_001286191,NM_001286192	C12orf43	chromosome 12 open reading fra	-1.23118039	-1.599593956	10.427884	8.509299	6.135732	4.75520813	4.46742999	4.10909358	1021	1108	785
22873	NM_014934,NM_198968	DZIP1	DAZ interacting zinc finger protei	1.408824187	-1.600135316	0.149909	0.21019	0.086892	1.06712766	1.34717796	0.75138414	43	81	33
606553	NR_103552	C8orf49	chromosome 8 open reading fran	-3.80349358	-1.600135316	0.565954	0.149205	0.326119	1.06712766	0.36283659	0.75138414	43	15	33
26064	NM_001145520,NM_001145521	RAI14	retinoic acid induced 14	-1.051871412	-1.600483251	2.864671	2.723808	1.672972	3.89300127	3.8250577	3.27149895	544	691	418
9300	NR_002562	SNORD28	small nucleolar RNA, C/D box 28	1.131520289	-1.600615554	43.539963	49.235645	25.37916	2.0648444	2.20257223	1.57922529	125	189	96
51693	NM_001318524,NM_001318525	TRAPPC2L	trafficking protein particle comple	-1.352218904	-1.600656941	18.498062	13.460052	10.628783	5.37766084	4.95446982	4.71963207	1593	1574	1224
51282	NM_016558,NM_033630	SCAND1	SCAN domain containing 1	-1.369409187	-1.600895299	47.678234	34.831519	27.96979	5.42204799	4.9808379	4.76319139	1644	1604	1263
101928649	NR_109909	CTC-338M12.4	uncharacterized LOC101928649	1.013278328	-1.601293031	19.69492	19.978277	11.555187	4.35293189	4.37103944	3.71541614	763	1033	586
51226	NM_016429	COPZ2	coatomer protein complex subun	-2.093443137	-1.601796112	5.241754	2.49785	3.087533	2.51403512	1.70021226	1.97845985	185	118	142
387787	NM_001144869,NM_001329941	LIPT2	lipoyl(octanoyl) transferase 2 (pu	1.102260479	-1.601804751	1.441966	1.590669	0.846824	2.09955541	2.20853486	1.60891398	129	190	99
100996579	NR_110163,NR_110164	LINC01806	long intergenic non-protein codin	1.618991801	-1.601826624	0.809473	1.302763	0.464828	1.51570785	2.0043309	1.11084509	73	158	56
4693	NM_000266	NDP	NDP, norrin cystine knot growth f	3.200016476	-1.601991681	0.209081	0.705244	0.11981	0.5190475	0.34394329	0.34394329	17	73	13
727896	NR_026659	LOC727896	cysteine and histidine rich domai	-1.616141504	-1.601991681	0.129055	0.07529	0.072781	0.5190475	0.3412894	0.34394329	17	14	13
64978	NM_032478	MRPL38	mitochondrial ribosomal protein L	-1.226864071	-1.60226178	89.340164	72.894196	52.399288	7.10861948	6.81600722	6.43477382	5379	5858	4129
119559	NM_213649,NR_110305	SFXN4	sideroflexin 4	1.025317513	-1.603179821	19.655746	20.204384	11.613724	4.81386993	4.84867703	4.16345881	1065	1459	817
100288198	NR_040671	HMGN3-AS1	HMGN3 antisense RNA 1	1.241532752	-1.603437535	0.406665	0.509797	0.236651	1.13562816	1.31437719	0.80366934	47	78	36
51009	NM_001304777,NM_001304779	DERL2	derlin 2	-1.099815756	-1.60351685	7.997906	7.149446	4.59747	5.05512721	4.92217849	4.39976838	1266	1538	971
9636	NM_005101	ISG15	ISG15 ubiquitin-like modifier	-1.531713115	-1.603610168	258.047882	168.656235	151.209198	7.3952786	6.78466963	6.71910401	6570	5731	5039
51728	NM_016310	POLR3K	RNA polymerase III subunit K	-1.15198098	-1.603995487	29.388369	25.534344	17.216656	4.61977956	4.42452914	3.97302418	926	1074	710
5295	NM_001242466,NM_181504,NM	PIK3R1	phosphoinositide-3-kinase regula	1.427805758	-1.604050401	1.911592	3.058177	1.120141	3.80635139	4.28900382	3.18544464	510	973	391
100505687	NR_038301,NR_038302	LINC00888	long intergenic non-protein codin	1.052678185	-1.604407386	3.4906	3.621629	2.018692	2.68948191	2.75234181	2.1362985	214	301	164
130162	NM_001135598,NM_152385	CLHC1	clathrin heavy chain linker domai	1.122632027	-1.604518396	3.265261	3.671075	1.910719	4.17110273	4.32923711	3.53644652	668	1002	512
818	NM_001204492,NM_001222,NM	CAMK2G	calcium/calmodulin dependent pr	-1.745704399	-1.604756191	34.327146	19.724755	20.21367	6.926067	6.13105355	6.25084936	4735	3624	3629
7733	NM_001278508,NM_001278509	ZNF180	zinc finger protein 180	-1.180763542	-1.604869457	6.657479	5.553484	3.873462	4.84232994	4.61164745	4.18989199	1087	1230	833
105377348	NR_131185,NR_131186	LOC105377348	uncharacterized LOC105377348	1.49530991	-1.605167458	0.90704	1.423872	0.529595	0.89996265	1.19932051	0.62147005	34	68	26
54906	NM_001321783,NM_001321784	FAM208B	family with sequence similarity 20	-1.041305413	-1.605577226	20.305672	19.635867	11.9991	7.40441752	7.34637499	6.72645853	6612	8484	5065
10213	NM_005805	PSMD14	proteasome 26S subunit, non-AT	1.0627039	-1.605582569	132.586197	141.050786	77.597397	7.79863109	7.88598943	7.1194417	8702	12356	6666
79545	NM_001261392,NM_001261394	NOL10	nucleolar protein 10	-1.08234256	-1.605702454	17.793416	16.352931	10.317773	5.92735377	5.81514199	5.25839655	2350	2901	1800
9440	NM_004268	MED17	mediator complex subunit 17	-1.094013295	-1.60585057	11.657273	10.667874	6.823684	5.34729208	5.22098063	4.68520645	1559	1904	1194
56952	NM_001282786,NM_020200	PRTFDC1	phosphoribosyl transferase doma	1.138197244	-1.605924455	8.661131	9.783339	5.033239	4.13181574	4.30856691	3.4972963	649	987	497
2963	NM_004128	GTF2F2	general transcription factor IIF su	-1.063654338	-1.606088452	53.340523	50.201023	31.206186	6.25683881	6.16900656	5.58464442	2963	3722	2269
113612	NM_183075	CYP2U1	cytochrome P450 family 2 subfar	1.044762249	-1.606813032	0.818196	0.855085	0.476684	2.26158951	2.31185141	1.74883089	149	208	114
1515	NM_001201575,NM_001333	CTSV	cathepsin V	-2.7794707	-1.606839003	66.358467	23.564625	38.458889	8.17696775	6.71097698	7.49575565	11323	5443	8667
6628	NM_003091,NM_198216	SNRPB	small nuclear ribonucleoprotein p	1.23434644	-1.606858619	458.326706	565.129913	264.527069	8.9612334	9.26443262	8.27874088	19529	32208	14948
53340	NM_017425	SPA17	sperm autoantigenic protein 17	-2.179801378	-1.607814776	23.851774	10.954595	13.951253	4.50955634	3.45802105	3.86234099	855	524	654
11335	NM_007276,NM_016587	CBX3	chromobox 3	-1.22305477	-1.608495585	164.959194	135.697914	97.34044	8.44818429	8.15861384	7.76497644	13673	14937	10455
400916	NM_001301339,NM_213720,NR	CHCHD10	coiled-coil-helix-coiled-coil-helix d	-1.180426239	-1.608682722	126.973876	106.490974	73.183854	6.40295487	6.16671138	5.72738578	3283	3716	2510
7553	NM_001282795,NM_001282796	ZNF7	zinc finger protein 7	-1.098797477	-1.608894475	20.284216	18.361949	12.309621	5.65575108	5.5226424	4.98695254	1940	2359	1483
6631	NM_003093,NR_029472	SNRPC	small nuclear ribonucleoprotein p	-1.310323709	-1.609062621	81.908337	62.586669	47.857325	6.61574575	6.23036798	5.93843194	3811	3886	2913
9331	NM_001330570,NM_004775	B4GALT6	beta-1,4-galactosyltransferase 6	-8.710517363	-1.609491253	2.856342	0.354133	1.798416	3.95117646	1.41062362	3.32017262	568	87	434
54606	NM_001257189,NM_019082	DDX56	DEAD-box helicase 56	-1.193546855	-1.60977546	40.457153	33.894516	23.588364	6.8330837	6.58026881	6.15389757	4437	4967	3390
4705	NM_001322019,NM_001322020	NDUFA10	NADH:ubiquinone oxidoreductas	-1.40348201	-1.610247833	19.142353	16.457054	11.232805	6.91788493	6.43366729	6.23784416	4708	4482	3596
84549	NM_032509	MAK16	MAK16 homolog	-1.000468389	-1.610456316	7.893991	7.901352	4.60591	4.83204569	4.83139279	4.17508296	1079	1441	824
92014	NM_033412,NR_024872,NR_02	SLC25A51	solute carrier family 25 member 5	1.106353867	-1.611110426	5.224488	6.206132	2.996661	3.5292011	3.66299841	2.91535666	414	612	316
63943	NM_022110	FKBPL	FK506 binding protein like	1.014318913	-1.611155028	4.422848	4.492182	2.583201	2.76710656	2.78463118	2.20270591	228	309	174
6242	NM_001015055,NM_001015056	RTKN	rhotekin	-1.232187628	-1.611498069	37.204768	30.268731	21.851069	6.34038817	6.04328303	5.66280134	3142	3407	2398
124045	NM_001271907,NM_001271908	SPATA33	spermatogenesis associated 33	1.008893917	-1.611524208	8.505607	8.553078	4.892731	3.71696001	3.72876963	3.09392991	477	643	364
200931	NM_152672	SLC51A	solute carrier family 51 alpha sub	-1.199903492	-1.61164262	3.470724	2.896726	2.024601	2.57080169	2.35549733	2.02324736	194	216	148
338758	NR_028138	ATP2B1-AS1	ATP2B1 antisense RNA 1	1.388958633	-1.61165443	0.362269	0.504997	0.212558	1.04948198	1.31437719	0.73352601	42	78	32
7327	NM_001202489,NM_003343,NM	UBE2G2	ubiquitin conjugating enzyme E2	-13.6593493	-1.611667088	45.989842	3.409433	27.193621	7.27302342	3.61440811	6.59014764	6033	590	4604
103752588	NR_125801	PACERR	PTGS2 antisense NFKB1 comple	2.941787718	-1.611793818	0.118569	0.386683	0.050412	0.13997292	0.38406669	0.08695753	4	16	3
55083	NM_018012	KIF26B	kinesin family member 26B	2.395088138	-1.611793818	0.00768	0.017815	0.002941	0.13997292	0.31941552	0.08695753	4	13	3
283933	NM_001136509	ZNF843	zinc finger protein 843	1.483922171	-1.611793818	0.049359	0.073439	0.019859	0.13997292	0.20477631	0.08695753	4	8	3
64092	NM_001256370,NM_001286523	SAMSN1	SAM domain, SH3 domain and n	1.483922171	-1.611793818	0.045897	0.071768	0.018296	0.13997292	0.20477631	0.08695753	4	8	3
100113380	NR_003686	SNORD125	small nucleolar RNA, C/D box 12	1.666155364	-1.611793818	1.040367	1.811993	0.519338	0.13997292	0.2284445	0.08695753	4	9	3
4360	NM_002438	MRC1	mannose receptor C-type 1	1.301688978	-1.611793818	0.019959	0.026043	0.011526	0.13997292	0.18071335	0.08695753	4	7	3
101928132	NR_135052	LOC101928132	uncharacterized LOC101928132	1.119455784	-1.611793818	0.152322	0.14803	0.087285	0.13997292	0.15624221	0.08695753	4	6	3
391051	NR_003927	UOX	urate oxidase (pseudogene)	1.848388558	-1.611793818	0.068236	0.134243	0.043194	0.13997292	0.25173066	0.08695753	4	10	3
84075	NM_032135	FSCB	fibrous sheath CABYR binding pr	-1.74594355	-1.611793818	0.033263	0.012461	0.012707	0.13997292	0.08029518	0.08695753	4	3	3
158401	NM_001080551,NM_173521,NR	C9orf84	chromosome 9 open reading fran	6.2219852	-1.611793818	0.016313	0.135542	0.00869	0.13997292	0.07285408	0.08695753	4	34	3
26102	NR_026964	DKFZP434A062	uncharacterized LOC26102	-1.324521912	-1.611793818	0.021883	0.016396	0.00836	0.13997292	0.10601836	0.08695753	4	4	3
140771	NR_024007	SMCR5	Smith-Magenis syndrome chrom	1.119455784	-1.611793818	0.036704	0.041354	0.014057	0.13997292	0.15624221	0.08695753	4	6	3
693146	NR_030287	MIR561	microRNA 561	-1.324521912	-1.611793818	0.851837	0.804313	0.481497	0.13997292	0.10601836	0.08695753	4	4	3
100616482	NR_039833	MIR4685	microRNA 4685	-2.560668573	-1.611793818	1.287605	0.421903	0.68836	0.13997292	0.05398282	0.08695753	4	2	3
2115	NM_001163147,NM_001163148	ETV1	ETS variant 1	1.109106621	-1.612043504	0.532109	0.643317	0.319049	2.18284609	2.30073045	1.67590018	139	206	106
80024	NM_001330466,NM_024959	SLC8B1	solute carrier family 8 member B	-1.760990736	-1.612359817	11.587881	6.867943	6.750164	5.26176079	4.4736327	4.59536729	1467	1113	1119
25926	NM_001303272,NM_015462	NOL11	nucleolar protein 11	1.027733846	-1.61262529	56.814688	58.433739	33.105772	7.19090027	7.23010121	6.5075083	5697	7823	4345
10910	NM_001130912,NM_001320831	SUGT1	SGT1 homolog, MIS12 kinetocho	-1.242727922	-1.613013992	28.620131	22.827197	16.720729	5.68675843	5.38001198	5.01401925	1983	2132	1512
1460	NM_001282385,NM_001320	CSNK2B	casein kinase 2 beta	-1.214843579	-1.613156807	119.454658	98.441997	69.585471	7.05159133	6.77314896	6.36833848	5169	5685	3941
23211	NM_015168	ZC3H4	zinc finger CCCH-type containing	1.032314772	-1.613782907	14.545792	15.03412	8.468985	6.45330748	6.49867636	5.77290241	3401	4691	2592
2647	NM_001487,NR_037655,NR_03	BLOC1S1	biogenesis of lysosomal organelle	-1.739301648	-1.614195535	94.976261	55.443811	56.357265	5.86125307	5.0809276	5.18555761	2243	1723	1709
285033	NR_046322	STARD7-AS1	STARD7 antisense RNA 1	-1.125343483	-1.614246345	2.466399	2.195249	1.433865	2.80440683	2.65962865	2.23479744	235	279	179
2184	NM_000137	FAH	fumarylacetoacetate hydrolase	1.277666611	-1.614470397	15.457608	19.77334	8.996243	4.80994515	5.15226631	4.15005835	1062	1813	809
101060542	NR_110764	LINC01910	long intergenic non-protein codin	-1.247257381	-1.614669113	2.365026	1.902609	1.376244	2.82529613	2.55587612	2.2537152	239	256	182
85460	NM_053042	ZNF518B	zinc finger protein 518B	2.432629995	-1.614874456	0.581942	1.422081	0.337529	2.30685184	3.40707821	1.78395874	155	504	118
129787	NM_152834	TMEM18	transmembrane protein 18	1.765500807	-1.615649264	14.536176	25.706041	8.452739	4.95797859	5.75784426	4.2940816	1181	2786	899
23336	NM_015286,NM_145728	SYNM	synemin	1.015569853	-1.615748678	1.279617	1.267045	0.699902	3.26824058	3.28823882	2.66516564	339	460	258
678655	NR_015382	CD27-AS1	CD27 antisense RNA 1	-1.159972833	-1.615842661	11.441513	9.87248	6.648488	4.77278965	4.56709359	4.11255209	1034	1191	787
339123	NM_001005920,NM_001323918	JMJD8	jumonji domain containing 8	1.244760278	-1.61610981	30.316619	38.126985	17.536648	5.94595195	6.25722339	5.26773297	2381	3960	1812
8338	NM_003517	HIST2H2AC	histone cluster 2 H2A family mem	1.177027678	-1.616285055	5.706151	6.76555	3.335679	1.78459878	1.95552917	1.32870978	96	151	73
84331	NM_001331229,NM_001331230	MCRIP2	MAPK regulated corepressor inte	1.286166053	-1.616417043	26.118523	33.45424	15.306792	4.64790143	4.99815263	3.99004649	945	1624	719

10301	NR_002605,NR_109973,NR_10	DLEU1	deleted in lymphocytic leukemia	-1.163661406	-1.61656281	3.19552	2.711651	1.85319	3.31329794	3.11812251	2.70694712	351	403	267
3706	NM_002220	ITPKA	inositol-trisphosphate 3-kinase A	-1.430170773	-1.616707968	1.708351	1.189434	0.984166	2.02927762	1.65726059	1.53866543	121	113	92
102723553	NM_001313692	SMIM11B	small integral membrane protein	-1.873068857	-1.616921606	11.412824	6.100498	6.636904	3.41670749	2.6243808	2.80425801	380	271	289
6125	NM_000969,NR_146333	RPL5	ribosomal protein L5	-1.080036033	-1.617122337	917.514585	850.653292	533.276887	9.91618128	9.80522101	9.22367099	37894	46879	28821
79675	NM_001281476,NM_001322046	FASTKD1	FAST kinase domains 1	1.036132255	-1.617142596	8.522922	8.890908	4.994893	5.24441656	5.29430056	4.57420184	1449	2006	1102
101928595	NR_135192	LOC101928595	uncharacterized LOC101928595	1.5978949	-1.617408615	0.250816	0.402755	0.143935	0.79797761	1.12560759	0.54161868	29	62	22
122945	NM_001113475	NOXRED1	NADP dependent oxidoreductase	-1.487608754	-1.617408615	0.395162	0.272884	0.234407	0.79797761	0.58077243	0.54161868	29	26	22
116541	NM_172251	MRPL54	mitochondrial ribosomal protein L	-1.187943878	-1.617548143	55.867374	47.088688	32.468582	5.12523965	4.88449983	4.45666286	1331	1497	1012
78996	NM_001243749,NM_001243751	C7orf49	chromosome 7 open reading fran	-1.443852544	-1.617556813	16.015888	11.182337	8.785498	4.75112025	4.24471769	4.08992214	1018	942	774
27151	NM_015692,NR_147452	CPAMD8	C3 and PZP like, alpha-2-macrog	-3.081313965	-1.618076511	0.978188	0.295864	0.510361	1.86749926	0.89363826	1.39836968	104	45	79
6431	NM_006275,NR_034009	SRSF6	serine and arginine rich splicing f	1.133090982	-1.618317786	138.746201	157.761928	79.95969	9.01613368	9.19607095	8.3233557	20288	30715	15419
9994	NM_001137667,NM_001137668	CASP8AP2	caspase 8 associated protein 2	-1.153386216	-1.618363833	8.054671	6.991189	4.704626	5.75639134	5.55459241	5.07821843	2083	2413	1583
4671	NM_001346870,NM_004536,NM	NAIP	NLR family apoptosis inhibitory p	1.160140651	-1.618403695	3.424697	3.976953	1.987682	4.51438809	4.71997165	3.85822657	858	1330	652
285193	NM_001033575	DUSP28	dual specificity phosphatase 28	-1.030013267	-1.619011968	3.555355	3.461657	2.086088	2.6780437	2.64211237	2.11576522	212	275	161
64118	NM_022156	DUS1L	dihydrouridine synthase 1 like	-1.199603303	-1.619078943	128.481934	107.218796	74.572037	7.88681936	7.62547481	7.19540392	9253	10306	7029
51042	NM_015871	ZNF593	zinc finger protein 593	-1.236402069	-1.619086079	53.469002	43.286152	31.023294	5.12102205	4.82461482	4.45120991	1327	1434	1008
280636	NM_001321335,NM_170746	SELENOH	selenoprotein H	-1.024464602	-1.619111087	29.375583	28.727531	17.04575	5.39610359	5.36206908	4.72189817	1614	2105	1226
23387	NM_001281748,NM_001281749	SIK3	SIK family kinase 3	-1.587074638	-1.619322221	3.916125	2.488727	2.284417	4.61528873	3.98297572	3.95579862	923	777	701
151393	NM_001170791,NM_001170792	RMDN2	regulator of microtubule dynamic	1.266756224	-1.619712753	2.319648	2.915286	1.312362	2.38631541	2.66830768	1.85174813	166	281	126
100129075	NR_027123	KTN1-AS1	KTN1 antisense RNA 1	1.238494691	-1.619983053	1.492977	1.8622	0.866614	1.6852613	1.90501868	1.24294651	87	144	66
283489	NM_001164144,NM_001164145	CHAMP1	chromosome alignment maintain	-2.689789667	-1.620029742	4.863852	1.802232	2.822109	4.30911424	2.99933041	3.65740237	739	367	561
728	NM_001736	C5AR1	complement C5a receptor 1	1.073536896	-1.620083795	13.453268	14.459257	7.797876	4.98491804	5.08417426	4.31674724	1204	1727	914
65095	NM_023008	KRI1	KRI1 homolog	1.10910618	-1.620340608	37.281921	41.395554	21.619242	6.78257573	6.93068704	6.09436188	4283	6347	3251
85302	NM_001319193	FBF1	Fas binding factor 1	-1.204830226	-1.620387288	15.029341	12.488271	8.716493	6.11877104	5.85417577	5.4352184	2689	2982	2041
401264	NR_103446,NR_103447	TRAM2-AS1	TRAM2 antisense RNA 1 (head t	1.005853772	-1.621967045	1.60355	1.611023	1.052474	2.32162912	2.32837375	1.79260867	157	211	119
9016	NM_001282195,NM_001282196	SLC25A14	solute carrier family 25 member	1.112180483	-1.622044179	8.138877	8.893398	4.489105	3.57924973	3.72044785	2.95442604	430	639	326
80833	NM_014349,NM_030644,NM_14	APOL3	apolipoprotein L3	1.203186583	-1.622142583	25.253776	31.410232	14.993399	5.87070407	6.13340612	5.18801845	2258	3630	1712
55066	NM_001322117,NM_001322118	PDPR	pyruvate dehydrogenase phosph	1.118556681	-1.622148092	11.631482	13.077439	6.748229	6.69342755	6.85359172	6.00414397	4024	6014	3051
100529241	NM_001202485	HSPE1-MOB4	HSPE1-MOB4 readthrough	-1.350277224	-1.622698783	5.225551	3.871835	3.026715	4.50955634	4.09825806	3.84996236	855	846	648
440574	NM_001032363,NM_001204082	MINOS1	mitochondrial inner membrane or	-1.097889183	-1.622761324	20.180261	18.450437	11.697575	6.23016423	6.09730668	5.54359837	3539	3539	2204
440894	NR_046110,NR_046110_dup1,N	LINC01123	long intergenic non-protein codin	1.163140349	-1.622798304	7.378394	9.537284	4.807778	4.23884171	4.44613902	3.58704707	702	1091	532
5134	NM_001199461,NM_001199462	PDCD2	programmed cell death 2	-1.004749537	-1.622989937	19.411949	20.6063	12.63091	5.47009282	5.46341106	4.79151702	1701	2262	1289
23081	NM_001146695,NM_001146696	KDM4C	lysine demethylase 4C	1.442683663	-1.623878133	3.465788	4.860147	1.991805	3.9817352	4.48227194	3.33801005	581	1120	440
102464835	NR_106735	MIR6087	microRNA 6087	1.22247074	-1.623913423	21.731461	26.647745	12.310412	1.03161781	1.18729361	0.71544405	41	67	31
441094	NR_021490,NR_021491,NR_10	NR2F1-AS1	NR2F1 antisense RNA 1	-1.05133486	-1.624079159	1.254841	1.21253	0.730391	2.22275497	2.16626946	1.70368302	144	183	109
1723	NM_001361	DHODH	dihydroorotate dehydrogenase (q	-1.070125752	-1.6241343	9.322624	8.71968	5.390284	4.52559963	4.43219317	3.86439381	865	1080	655
7295	NM_001244938,NM_003329	TXN	thioredoxin	-1.299147315	-1.624452343	708.66833	546.223744	409.847656	9.22821584	8.85136827	8.52975947	23507	24176	17798
84967	NM_032881	LSM10	LSM10, U7 small nuclear RNA a	-1.207645625	-1.624887951	29.695101	24.62141	17.17812	4.79810635	4.53660777	4.12972136	1053	1165	797
100499484	NR_036526	LOC100499484	SUGT1-1300002K09Rik pseudog	1.000497588	-1.62528282	1.561448	1.569333	0.902887	2.56460348	2.56520021	2.00847214	193	258	146
7571	NM_001304492,NM_001304493	ZNF23	zinc finger protein 23	-1.264499712	-1.625317697	11.937809	9.757814	6.798911	5.09974705	4.77223569	4.42502316	1307	1381	989
100616345	NR_039624_chr1,NR_039624_c	MIR4426	microRNA 4426	1.213351997	-1.62553791	3.296062	4.082053	1.78608	0.26755841	0.31941552	0.16897038	8	13	6
84709	NM_032623	MGARP	mitochondria localized glutamic a	1.397990722	-1.62553791	0.15611	0.212701	0.077151	0.26755841	0.36283659	0.16897038	8	15	6
90625	NM_001308491	ERVH48-1	endogenous retrovirus group 48	-2.614531255	-1.62553791	0.087769	0.033925	0.052193	0.26755841	0.10601836	0.16897038	8	4	6
693216	NR_030360	MIR631	microRNA 631	1.028713273	-1.62553791	2.60404	2.805037	1.456571	0.26755841	0.27464693	0.16897038	8	11	6
100126332	NR_030641	MIR943	microRNA 943	-1.763306246	-1.62553791	2.070472	1.094395	1.259751	0.26755841	0.15624221	0.16897038	8	6	6
5790	NM_005608	PTPRCAP	protein tyrosine phosphatase, rec	-2.055197087	-1.625577129	5.653659	2.760067	3.272301	2.58923814	1.78245081	2.03057861	197	128	149
57621	NM_020861	ZBTB2	zinc finger and BTB domain cont	1.100595272	-1.626013059	10.128068	11.158875	5.853469	5.04403172	5.17832427	4.36973462	1256	1847	950
9906	NM_001199787,NM_182838	SLC35E2	solute carrier family 35 member	-1.063722475	-1.626060691	7.838812	7.669694	5.426908	5.52539208	5.43825945	4.84343385	1769	2222	1338
9352	NM_004786,NR_024546	TXNL1	thioredoxin like 1	-1.1587076	-1.626335348	67.742467	58.513015	39.185378	6.47039945	6.26045576	5.7789005	3442	3969	2603
10806	NM_001350246,NM_001350247	SDCCAG8	serologically defined colon cance	-1.232552093	-1.62661119	14.20117	11.454832	8.396458	5.27035534	4.97734988	4.59165471	1476	1600	1116
4731	NM_001001503,NM_021075	NDUFV3	NADH:ubiquinone oxidoreductas	-1.166095629	-1.626775666	32.328293	27.420861	19.437907	5.47009282	5.25378786	4.78827692	1701	1949	1286
123207	NM_001160113,NM_001160114	C15orf40	chromosome 15 open reading fra	-1.000498504	-1.627002993	8.122691	7.942137	4.899825	3.70009475	3.69943092	3.06566078	471	629	356
54908	NM_001329639,NM_001329640	SPDL1	spindle apparatus coiled-coil prot	1.172864169	-1.627137237	32.911685	38.081711	17.943506	6.66944032	6.89739149	5.97594053	3957	6201	2991
341346	NM_001145010	SMCO2	single-pass membrane protein wi	-2.239611709	-1.627147052	1.921695	0.849899	1.10506	1.76310734	1.04792463	1.30472178	94	56	71
23223	NM_001145114,NM_001284337	RRP12	ribosomal RNA processing 12 ho	-1.220273399	-1.62729382	16.30811	13.380533	9.419449	6.15583539	5.87306902	5.4659619	2760	3022	2086
26094	NM_001163508,NM_001163509	DCAF4	DDB1 and CUL4 associated fact	1.21402904	-1.627310757	9.442211	11.518985	5.471058	4.60021751	4.86952482	3.93446197	913	1481	690
9816	NM_001314021,NM_014777	URB2	URB2 ribosome biogenesis 2 hor	1.132995108	-1.627794006	5.034249	5.705707	2.900524	4.83848193	5.01270852	4.16678956	1084	1641	819
9146	NM_004712	HGS	hepatocyte growth factor-regulate	-1.271335336	-1.628510928	124.543106	98.070854	71.867599	8.4974156	8.15215081	7.79636192	14149	14870	10686
144406	NM_001178003,NM_144668	WDR66	WD repeat domain 66	1.591548694	-1.628989774	0.764764	1.298488	0.440222	1.92669094	2.4491251	1.4430085	110	234	83
126792	NM_080605	B3GALT6	beta-1,3-galactosyltransferase 6	1.212225901	-1.629205801	11.498946	13.957865	6.63048	5.01250255	5.28233643	4.33610682	1228	1989	927
677796	NR_002991	SNORA5C	small nucleolar RNA, H/ACA box	1.183385792	-1.630257538	2.138354	2.70289	1.180199	0.38477185	0.44594451	0.24657076	12	19	9
197259	NM_001142497,NM_152649	MLK1	mixed lineage kinase domain like	-1.304732413	-1.630697498	16.180071	12.145609	9.139337	5.43908863	5.06540544	4.75426273	1664	1704	1255
51112	NM_001321102,NM_016030	TRAPPC12	trafficking protein particle comple	1.090976562	-1.63077147	17.998695	19.6854	10.390223	5.49963272	5.62259854	4.81399624	1737	2532	1310
1019	NM_000075	CDK4	cyclin dependent kinase 4	1.093832944	-1.631054508	49.887939	54.629715	28.736898	6.61836627	6.74650192	5.92177183	3818	5580	2879
54059	NM_001006114,NM_001314022	YBEY	ybeY metallopeptidase (putative)	-1.131508174	-1.631102825	8.055603	7.026537	4.328097	2.93026199	2.77662633	2.33885915	260	307	196
57149	NM_001128301,NM_001128302	LYRM1	LYR motif containing 1	-1.492025378	-1.631178836	15.30279	10.587713	8.96439	4.65082999	4.10146599	3.98061446	947	848	714
64965	NM_182640	MRPS9	mitochondrial ribosomal protein S	1.218661443	-1.631270602	44.253326	53.999432	25.492714	5.996326	6.27757377	5.30448591	2467	4017	1860
1653	NM_004939	DDX1	DEAD-box helicase 1	1.14745196	-1.631819688	62.346237	71.62381	35.900158	7.3871794	7.58450829	6.6861171	6533	10016	4924
54985	NM_001002017,NM_001002018	HCFC1R1	host cell factor C1 regulator 1	-1.3443194	-1.631982665	48.988014	36.512953	28.235869	5.54834575	5.13201715	4.86101798	1798	1787	1355
8340	NM_003519	HIST1H2BL	histone cluster 1 H2B family mem	1.121836775	-1.63264416	0.904578	1.001652	0.529054	0.49317359	0.54351856	0.32020933	16	24	12
100130172	NR_037900	LOC100130172	uncharacterized LOC100130172	3.305755968	-1.63264416	0.137383	0.475556	0.080074	0.49317359	1.23481109	0.32020933	16	71	12
100133121	NR_027422	FAM27B	family with sequence similarity 27	2.237029555	-1.63264416	0.565145	1.320155	0.322473	0.49317359	0.93737891	0.32020933	16	48	12
1186	NM_001114331,NM_001287	CLCN7	chloride voltage-gated channel 7	-1.186076921	-1.632869444	27.872438	23.512459	16.03308	6.8526112	6.60872831	6.15305813	4498	5067	3388
100126784	NR_015384	LOC100126784	uncharacterized LOC100126784	-1.685629043	-1.633370127	0.703289	0.418152	0.402212	1.83696709	1.33632702	1.36396013	101	80	76
100130357	NM_001242698,NR_134859	LOC100130357	uncharacterized LOC100130357	1.494224427	-1.634084829	0.273426	0.333853	0.146241	0.59399636	0.81765451	0.39027104	20	40	15
8329	NM_003509	HIST1H2AI	histone cluster 1 H2A family mem	-1.112763486	-1.634084829	1.096289	0.982378	0.62346	0.59399636	0.54351856	0.39027104	20	24	15
79798	NM_001105247,NM_001288767	ARMC5	armadillo repeat containing 5	-1.075541814	-1.63417779	6.055834	5.689452	3.569849	4.68408793	4.58324605	4.01058243	970	1205	730
9770	NM_014737,NM_170774	RASSF2	Ras association domain family m	2.177682573	-1.635048926	0.110894	0.251232	0.066199	0.68823103	1.22307764	0.45708734	24	70	18
100129800	NR_146880	ZNF807	zinc finger protein 807	-1.523433023	-1.635048926	0.255627	0.166487	0.14707	0.68823103	0.48576948	0.45708734	24	21	18
90673	NM_001276318	PPP1R3E	protein phosphatase 1 regulatory	1.285749224	-1.635319262	2.907626	3.744946	1.671185	3.77984319	4.11898321	3.13532137	500	859	376
1052	NM_005195	CEBPD	CCAAT/enhancer binding protein	-1.250422482	-1.635586734	13.737306	10.989386	7.890833	4.14848821	3.8462471	3.48933713	657	702	494
102724094	NR_120519,NR_120520	LOC102724094	uncharacterized LOC102724094	1.202068779	-1.635739363	1.879937	2.22962	1.063213	0.77668602	0.89363826	0.52094563	28	45	21
9768	NM_001029989,NM_014736,NR	PCLAF	PCNA clamp associated factor	-1.462983735	-1.636231602	47.755766	32.636963	27.289675	6.12352238	5.58413128	5.4262136	2698	2464	2028
102606465	NR_109849	LOC102606465	uncharacterized LOC102606465	1.137043136	-1.636254083	3.552649	4.05563	2.044034	2.48807034	2.64211237	1.93223726	181	275	136
64218	NM_001193300,NM_001193301	SEMA4A	semaphorin 4A	1.532970919	-1.63633299	1.462813	2.289706	0.840801	2.51403512	3.04002433	1.95553366	185	379	139
9656	NM_014641	MDC1	mediator of DNA damage checkp	1.023274039	-1.63648927	7.471119	7.656207	4.290224	5.77126977	5.80386305	5.07733377	2105	2878	1582
101928100	NR_120430	LOC101928100	uncharacterized LOC101928100	-1.489856535	-1.637472043	0.439367	0.294674	0.249635	1.15225689	0.86372326	0.80366934	48	43	36
23268	NM_001318326,NM_001318327	DNMBP	dynamin binding protein	-1.361331883	-1.637603933	18.273855	13.192733	10.075633	6.62359308	6.18383688	5.9212789	3832	3761	2878
6210	NM_001019,NM_001030009	RPS15A	ribosomal protein S15a	1.002476911	-1.63780148	1612.452942	1622.646026	932.920594	9.60593176	9.60949621	8.89534824	30554	40925	22945
4717	NM_001184986,NM_001184987	NDUFC1	NADH:ubiquinone oxidoreductas	-1.438407275	-1.637940231	92.178713	62.951604	46.394376	6.18945596	5.67360076	5.49009354	2826	2625	2122
100616167	NR_039873	MIR4722	microRNA 4722	-1.113210473	-1.637958887	26.135374	23.382858	14.66136	1.33814853	1.24644988	0.95003448	60	72	45
91409	NM_001258307,NM_207310	CCDC74B	coiled-coil domain containing 74E	1.880706499	-1.638188248	1.202843	2.335156	0.697367	1.44997615	2.09080288	1.03996283	68	171	51
129401	NM_001287584,NM_001287585	NUP35	nucleoporin 35	1.136230386	-1.638306347	23.061041	26.310716	13.183151	5.2278422	5.40748703	4.53993458	1432	2174	1075
9013	NM_001243156,NM_001243157	TAF1C	TATA-box binding protein associ	-1.115979236	-1.638543095	41.410588	37.0511	23.809072	7.2801335	7.12289649	6.57361777	6063	7259	4551
6281	NM_002966	S100A10	S100 calcium binding protein A10	-1.485876185	-1.638631916	456.624084	307.659241	261.867004	8.87667181	8.30684434	8.16613318	18415	16559	13822
708	NM_001212	C1QBP	complement C1q binding protein	-1.035928643	-1.638655796	119.305984	115.299942	68.41095	7.08851008	7.03796521	6.38273213	5304	6841	3981
7139	NM_000364,NM_001001430,NM	TNNT2	troponin T2, cardiac type	-1.391211442	-1.638739386	2.163598	1.563921	1.157403	1.82664439	1.50084877	1.35230545	100	96	75
55188	NM_001330145,NM_001330146	RIC8B	RIC8 guanine nucleotide exchan	1.15616374	-1.638747318	2.702017	3.301252	1.656174	3.95355025	4.15029781	3.29907966	569	879	427
54969	NM_017867	HPF1	histone PARylation factor 1	1.245571218	-1.639745696	15.055047	18.771931	8.629476	4.2349439	4.53660777	3.56953804	700	1165	525

9446	NM_001191002,NM_001191003	GSTO1	glutathione S-transferase omega	-2.076975923	-1.639798983	151.123817	72.779783	86.536236	7.21385509	6.16977081	6.5065228	5789	3724	4342
29094	NM_014181	LGALSL	galectin like	-1.2954456	-1.639801908	7.189144	5.555314	4.120785	4.79678491	4.43854891	4.11600233	1052	1085	789
150726	NM_001080410	FBXO41	F-box protein 41	2.51001702	-1.640248125	4.843261	12.174522	2.775491	5.07379588	6.37556158	4.38697325	1283	4303	962
158427	NM_139246	TSTD2	thiosulfate sulfurtransferase like	-1.098644898	-1.640403122	11.777847	10.732553	6.748196	5.69458464	5.56159734	4.99821421	1994	2425	1495
26511	NM_012110	CHIC2	cysteine rich hydrophobic domair	1.14162829	-1.641368658	6.70891	7.660917	3.840191	3.08983317	3.25980797	2.47942639	295	450	221
92659	NR_015454	MAFG-AS1	MAFG antisense RNA 1 (head to	-1.025937851	-1.641910406	2.966389	2.891263	1.697167	2.69516719	2.66397469	2.11576522	215	280	161
9875	NM_014825	URB1	URB1 ribosome biogenesis 1 hor	1.015975213	-1.642348633	4.778293	4.861053	2.734432	5.68103985	5.70346404	4.98317903	1975	2681	1479
9792	NM_014755	SERTAD2	SERTA domain containing 2	-1.013570903	-1.643300007	12.797756	12.642818	7.317939	6.13245466	6.11328594	5.4289903	2715	3579	2032
3078	NM_002113	CFHR1	complement factor H related 1	-1.672656639	-1.643523201	2.383094	1.421324	1.365311	2.01115992	1.49109792	1.50747923	119	95	89
29889	NM_001323623,NM_001323624	GNL2	G protein nucleolar 2	-1.083974219	-1.643671373	69.080969	63.738268	39.525533	7.35409554	7.23850338	6.64282229	6384	7869	4777
54851	NM_017704	ANKRD49	ankyrin repeat domain 49	-1.637633978	-1.643708095	15.429994	9.430436	8.814554	4.88896361	4.20798559	4.20292915	1124	917	841
27292	NM_001348076,NM_001348077	DIMT1	DIM1 dimethyladenosine transfer	-1.786719157	-1.643754012	29.092003	16.45885	15.48073	5.8669311	5.04888386	5.16571834	2252	1684	1685
516	NM_001002027,NM_005175	ATP5G1	ATP synthase, H+ transporting, r	-1.214192419	-1.643853749	173.53403	143.124453	99.572836	6.63546944	6.35856873	5.92767386	3864	4252	2891
130497	NM_145260	OSR1	odd-skipped related transciption	1.362530141	-1.644436506	1.308378	1.784797	0.748878	1.77389308	2.10365798	1.30472178	95	173	71
91419	NM_001320408,NM_001320409	ATP23	ATP23 metallopeptidase and ATI	-1.590575176	-1.644853204	10.157475	6.309895	5.990538	3.86048198	3.24827687	3.20501631	531	446	397
5250	NM_002635,NM_005888,NM_21	SLC25A3	solute carrier family 25 member 3	-1.286475046	-1.645466692	343.848005	266.493872	191.918103	9.13958555	8.77689268	8.42273412	22104	22957	16522
55705	NM_018085	IPO9	importin 9	1.029803026	-1.646207236	19.736092	20.347713	11.266315	7.78386686	7.82604632	7.06893294	8613	11851	6435
1329	NM_001862	COX5B	cytochrome c oxidase subunit 5B	-1.13390657	-1.646520645	364.809601	322.116425	208.207306	7.49499965	7.31476549	6.78072565	7043	8299	5261
642846	NR_024374	LOC642846	DEAD/H (Asp-Glu-Ala-Asp/His) b	-1.338457497	-1.646625705	16.983276	12.702566	9.694073	5.87946948	5.46714626	5.17567208	2272	2268	1697
55900	NM_001012320,NM_001289181	ZNF302	zinc finger protein 302	-1.271115953	-1.646683671	15.607032	12.316283	8.618058	5.38735072	5.05054456	4.68984427	1604	1686	1198
100534595	NR_037946	HNRNPUL2-BSCL2	HNRNPUL2-BSCL2 readthrough	1.051783367	-1.646794855	6.120747	6.446355	3.494065	4.64055392	4.71054878	3.95772276	940	1321	702
3628	NM_001128928,NM_002194	INPP1	inositol polyphosphate-1-phosph	1.452346602	-1.64690389	15.02701	21.238657	8.503011	4.93413697	5.45779006	4.24450423	1161	2253	867
201973	NM_001300767,NM_001300768	PRIMPOL	primase and DNA directed polym	1.155905233	-1.64712503	9.400685	10.989912	5.70035	4.45363476	4.65377434	3.77555686	821	1268	613
84262	NM_001134340,NM_032302	PSMG3	proteasome assembly chaperone	-1.476767806	-1.647172816	50.817378	32.725611	29.916081	5.95959731	5.40813487	5.25448848	2404	2175	1795
57464	NM_001134336,NM_020704	STRIP2	striatin interacting protein 2	-1.342308955	-1.647414836	3.651658	2.606566	2.166573	4.11918371	3.7225328	3.45160249	643	640	480
6119	NM_002947	RPA3	replication protein A3	-1.39889203	-1.647899623	38.059422	27.243702	21.702864	6.21342436	5.73685332	5.50530231	2874	2745	2145
100506302	NR_126344	LOC100506302	uncharacterized LOC100506302	-1.5916953	-1.648215711	2.219864	1.395241	1.265869	2.00201503	1.52971203	1.4969322	118	99	88
79848	NM_001291339,NM_024790	CSPP1	centrosome and spindle pole ass	-1.052676209	-1.648602159	7.986107	7.590662	4.550713	5.23664058	5.16458753	4.53993458	1441	1829	1075
58190	NM_001206878,NM_021198,NM	CTDSP1	CTD small phosphatase 1	1.097316546	-1.649260268	36.180956	39.614177	20.572264	6.54785089	6.68046623	5.83598022	3634	5328	2710
641638	NR_002599	SNHG6	small nucleolar RNA host gene 6	-1.88200434	-1.649333257	199.852722	106.307297	113.869827	6.5368116	5.63614463	5.82495435	3606	2560	2689
100507217	NR_037600,NR_037601,NR_03	LINC01578	long intergenic non-protein codin	-1.280360588	-1.649585005	33.965763	27.25322	19.977074	5.83702974	5.4875188	5.13118205	2205	2301	1644
131118	NM_001190233,NM_145261,NR	DNAJC19	DnaJ heat shock protein family (I	1.035164781	-1.64968846	32.835438	33.560096	18.542589	5.54047187	5.58928181	4.83822099	1788	2473	1333
6687	NM_003119,NM_199367	SPG7	SPG7, paraplegin matrix AAA pe	-1.066071654	-1.649706099	90.239468	85.061062	51.511802	8.06698495	7.97503499	7.34825706	10489	13146	7820
5893	NM_001297419,NM_001297420	RAD52	RAD52 homolog, DNA repair pro	-1.672608633	-1.649913642	10.551118	6.794535	6.873738	4.91233736	4.20202068	4.22066504	1143	913	852
158234	NM_001286950,NM_001286951	TRMT10B	tRNA methyltransferase 10B	-1.24597521	-1.64991513	3.076455	2.442346	1.72013	2.94465259	2.67262769	2.33885915	263	282	196
100874069	NR_046542	STK24-AS1	STK24 antisense RNA 1	-1.196358024	-1.649924999	0.708191	0.586873	0.402791	1.06712766	0.93737891	0.73352601	43	48	32
134359	NM_001099271,NM_152408	POC5	POC5 centriolar protein	-1.001903429	-1.650155468	16.184605	16.148526	9.165534	5.12523965	5.12257466	4.42918965	1331	1775	992
84881	NM_001144827,NM_032795	RPUSD4	RNA pseudouridylate synthase d	-2.175674206	-1.650461762	18.428493	8.490878	10.462225	5.51979639	4.43473883	4.81717915	1762	1082	1313
157285	NM_001080826	PRAG1	PEAK1 related kinase activating	1.759214276	-1.650795733	8.35724	14.71824	4.75569	5.29863957	6.09770832	4.59907035	1506	3540	1122
4902	NM_004558	NRTN	neurturin	-1.445695671	-1.650955747	0.913469	0.618976	0.513407	0.99521185	0.75384785	0.6785857	39	36	29
643201	NR_036494	LOC643201	centrosomal protein 192kDa pse	2.395000517	-1.650955747	0.2331	0.568447	0.131981	0.99521185	1.75827411	0.6785857	39	125	29
729737	NR_039983	LOC729737	uncharacterized LOC729737	-1.028858636	-1.651257348	47.253555	45.980942	26.892111	7.98218541	7.94130484	7.26232085	9888	12841	7365
79587	NM_024537	CARS2	cysteinyl-tRNA synthetase 2, mit	1.285101384	-1.651902676	17.475405	22.493784	9.943965	5.06613802	5.41846082	4.36973462	1276	2191	950
100887750	NR_002816,NR_051963,NR_05	MRPS31P5	mitochondrial ribosomal protein S	1.061665161	-1.651951196	3.433414	3.641293	1.9158	3.3316643	3.40966853	2.69776636	356	505	265
132241	NR_003111	RPL32P3	ribosomal protein L32 pseudogen	1.368369069	-1.652000441	3.883407	5.322186	2.203108	3.1490272	3.55714683	2.52685524	309	565	230
400892	NR_037566	BCRP2	breakpoint cluster region pseudo	-1.262883624	-1.652223106	0.391331	0.30428	0.215754	0.91952222	0.77006602	0.62147005	35	37	26
26985	NM_001320263,NM_001320264	AP3M1	adaptor related protein complex 3	-1.330517042	-1.652374885	8.370553	6.281329	4.770723	5.44416182	5.04305632	4.74101761	1670	1677	1243
118881	NM_144589	COMTD1	catechol-O-methyltransferase do	-2.033492936	-1.652453827	22.129555	10.894501	12.569012	4.46032739	3.50238056	3.77773686	825	542	614
6100	NM_203288	RP9	retinitis pigmentosa 9 (autosomal	-1.442577095	-1.652600728	12.963423	8.98696	7.363925	3.9199564	3.43277448	3.2559454	555	514	413
654433	NR_015377,NR_047570	PAX8-AS1	PAX8 antisense RNA 1	1.516350136	-1.653184447	0.863995	1.251401	0.480073	1.5285023	1.94842076	1.09694451	74	150	55
65083	NM_022917,NM_139235	NOL6	nucleolar protein 6	1.055554445	-1.653363494	10.050155	10.509146	5.619869	5.57711104	5.65352499	4.87126234	1835	2588	1365
106780802	NR_133662	KCNK4-TEX40	KCNK4-TEX40 readthrough	-1.877017848	-1.653819109	0.292668	0.154238	0.164521	0.83964067	0.50527715	0.56199967	31	22	23
5692	NM_002796	PSMB4	proteasome subunit beta 4	-1.279976713	-1.653835331	330.122986	258.199402	187.572174	8.22073741	7.86596949	7.49807129	11673	12185	8681
126014	NM_001282349,NM_001282350	OSCAR	osteoclast associated, immunogl	-1.557480894	-1.653948041	0.884087	0.564058	0.497961	1.47662927	1.10017522	1.05442063	70	60	52
404550	NM_206967	C16orf74	chromosome 16 open reading fra	-1.232910086	-1.654022458	65.841095	53.451447	37.413307	5.87070407	5.57435204	5.1607156	2258	2447	1679
3176	NM_001024075,NM_001024075	HNMT	histamine N-methyltransferase	1.009195859	-1.654600011	12.474038	11.443476	8.820407	4.44859483	4.46120049	3.76460718	818	1103	608
90806	NM_001300753,NM_001300755	ANGEL2	angel homolog 2	-1.204589204	-1.654725307	12.228104	10.235236	7.02788	5.8267075	5.56334327	5.11661607	2189	2428	1627
6672	NM_001080391,NM_001206701	SP100	SP100 nuclear antigen	1.06277892	-1.655018996	41.802089	44.922404	28.951462	6.72676984	6.81380871	6.0087914	4119	5849	3061
54733	NM_017515	SLC35F2	solute carrier family 35 member F	-1.185327548	-1.655308023	32.176323	27.172155	18.266068	6.64834823	6.40571814	5.93061585	3899	4395	2897
79072	NM_024091,NR_036553,NR_07	FASTKD3	FAST kinase domains 3	-1.283700928	-1.655353553	9.342725	6.412724	4.668907	3.94164205	3.60765556	3.27458965	564	587	419
10165	NM_001160210,NM_014251,NR	SLC25A13	solute carrier family 25 member 1	-1.379413572	-1.655400072	12.84038	9.281353	7.304379	5.34819447	4.89747666	4.66497663	1560	1511	1159
26005	NM_001286577,NM_015531	C2CD3	C2 calcium dependent domain co	1.007954549	-1.655416349	4.701997	4.765233	2.640135	5.21266691	5.22319114	4.5100879	1416	1907	1052
54876	NM_001345880,NM_001345881	DCAF16	DDB1 and CUL4 associated facto	-1.080473945	-1.655492162	20.986552	19.189257	12.219129	6.41979203	6.30947948	5.70350414	3322	4108	2468
29990	NM_178238	PILRB	paired immunoglobin-like type 2 r	-2.353373882	-1.655494895	98.435318	41.869625	55.866074	7.11711491	5.89634288	6.39662902	5411	3072	4020
56938	NM_001248002,NM_001248003	ARNTL2	aryl hydrocarbon receptor nuclea	-2.03166792	-1.655683349	16.555473	8.124548	9.367331	6.88841145	5.87822158	6.16892453	4612	3033	3426
55031	NM_001282659,NM_001330208	USP47	ubiquitin specific peptidase 47	-1.428102087	-1.656451203	20.766165	14.491162	11.720052	7.33578687	6.82549553	6.61352515	6303	5897	4680
23149	NM_001161357,NM_001161358	FCHO1	FCH domain only 1	-1.747177275	-1.657176114	0.712659	0.40757	0.407877	1.70793493	1.19932051	1.24294651	89	68	66
90592	NM_001271848,NM_144566	ZNF700	zinc finger protein 700	-1.292958721	-1.657308294	29.733887	23.038069	16.878714	6.40858912	6.04286594	5.69083514	3296	3406	2446
375341	NM_198562	C3orf62	chromosome 3 open reading fran	-1.232942935	-1.657778701	4.006913	3.253602	2.267016	3.90776647	3.62781914	3.24022233	550	596	408
6164	NM_000995,NM_001319232,NM	RPL34	ribosomal protein L34	-1.240490594	-1.657942845	486.839011	396.034919	312.813151	8.64313877	8.33309316	7.91610998	15657	16864	11615
51639	NM_016047	SF3B6	splicing factor 3b subunit 6	-1.057833985	-1.658050032	230.347794	218.006363	130.554245	7.44230784	7.36167296	6.718253	6789	8575	5036
10998	NM_001321196,NM_012254	SLC27A5	solute carrier family 27 member 5	-1.715435968	-1.658143872	0.587918	0.344966	0.334382	1.24819466	0.84852988	0.87055986	54	42	40
2287	NM_002013	FKBP3	FK506 binding protein 3	-1.114737746	-1.658160314	160.467453	144.119019	90.938759	7.72429395	7.56837004	6.99918087	8263	9904	6129
92070	NR_033339	CTBP1-AS2	CTBP1 antisense RNA 2 (head t	-1.090942409	-1.658319876	4.764176	4.369184	2.697828	3.86805176	3.75141009	3.20177275	534	654	396
55035	NM_001256394,NM_001330722	NOL8	nucleolar protein 8	-1.08817492	-1.65864949	24.626065	23.988158	14.800187	6.86527411	6.74445135	6.14336932	4538	5572	3365
5684	NM_002788,NM_152132,NR_03	PSMA3	proteasome subunit alpha 3	-1.376505207	-1.658747231	293.317806	213.29381	166.162464	8.15856685	7.69945132	7.43178548	11179	10851	8289
11164	NM_001321647,NM_001321648	NUDT5	nudix hydrolase 5	-1.054948301	-1.658860002	35.925215	34.389359	20.534545	6.9396015	6.8630731	6.21711102	4780	6054	3544
1347	NM_001865,NR_029466	COX7A2	cytochrome c oxidase subunit 7A	-1.17337855	-1.658968975	124.92023	106.249546	70.678614	6.4360106	6.20820226	5.71663112	3360	3826	2491
79008	NM_024044,NM_024044_dup1,N	SLX1B	SLX1 homolog B, structure-speci	-1.381680397	-1.659483209	17.330281	12.636765	9.864291	4.34210161	3.90250283	3.65740237	757	732	561
348093	NM_194272,NR_138350,NR_13	RBPMS2	RNA binding protein with multiple	2.705682034	-1.659616504	0.644531	1.755492	0.363593	1.18495016	2.15396266	0.82068496	50	181	37
10566	NM_001278309,NM_006422	AKAP3	A-kinase anchoring protein 3	-1.192474944	-1.659616504	0.388482	0.32642	0.215442	1.18495016	1.04792463	0.82068496	50	56	37
54468	NM_019005	MIOS	meiosis regulator for oocyte deve	-1.431853787	-1.65973794	9.171954	6.417777	5.191858	4.94013441	4.44234896	4.2397678	1166	1088	864
158158	NM_152573	RASEF	RAS and EF-hand domain contai	-1.240844804	-1.659858534	9.471206	7.641772	5.361872	5.71221517	5.40748703	4.99914873	2019	2174	1496
344595	NR_028301,NR_028302	DUBR	DPPA2 upstream binding RNA	1.573403447	-1.660197044	1.482489	2.335035	0.918635	2.51403512	3.07308051	1.9400446	185	389	137
324	NM_000038,NM_001127510,NM	APC	APC, WNT signaling pathway reg	-1.111367238	-1.660394132	5.207582	4.686623	2.947429	5.80518174	5.65570886	5.09054707	2156	2592	1597
23015	NM_181077,NR_027409	GOLGA8A	golgin A8 family member A	-1.000734475	-1.660490954	36.375861	36.376894	20.70947	7.85209279	7.85103813	7.12458937	9032	12059	6690
2859	NM_001195381,NM_001195382	GPR35	G protein-coupled receptor 35	-9.616059535	-1.660576224	9.163691	0.922259	5.196599	4.36724694	1.60397149	3.68088855	771	107	571
57504	NM_001282755,NM_001282756	MTA3	metastasis associated 1 family m	-1.010996279	-1.66061552	27.839556	25.773175	15.009129	6.10762335	6.09207508	5.38962158	2668	3526	1976
55735	NM_018198	DNAJC11	DnaJ heat shock protein family (I	1.108933527	-1.660656086	36.629192	40.66325	20.723055	6.88810125	7.03608042	6.16434954	4611	6832	3415
112487	NM_080664	DTD2	D-tyrosyl-tRNA deacylase 2 (puta	-1.057187426	-1.66085765	4.579673	4.341352	2.591356	3.6972646	3.62336263	3.03682664	470	594	348
80304	NM_001142319,NM_025203	WDCP	WD repeat and coiled coil contair	1.08227211	-1.660946833	3.671348	3.991435	2.078598	3.90040276	4.00712306	3.23070557	547	791	405
8710	NM_001040147,NM_001261830	SERPINB7	serpin family B member 7	3.459854269	-1.661347963	0.53028	1.857814	0.297561	1.11880553	2.33928445	0.76902392	46	213	34
64864	NM_022841	RFX7	regulatory factor X7	-1.059745286	-1.661799968	8.166717	7.718025	4.619474	5.8637794	5.78153721	5.14728952	2247	2833	1663
5696	NM_004159,NM_148919	PSMB8	proteasome subunit beta 8	-1.472253194	-1.662424478	70.89343	48.185979	39.539668	6.38591889	5.83599506	5.66398036	3244	2944	2400
23062	NM_015044	GGA2	golgi associated, gamma adaptin	1.20221371	-1.662633081	21.237768	25.558105	12.002342	6.96011088	7.22385931	6.23427685	4849	7789	3587
130540	NM_001127391,NM_001289993	ALS2CR12	amyotrophic lateral sclerosis 2 ch	1.298232707	-1.662671101	0.210941	0.289077	0.119473	0.56944351	0.70406985	0.36729312	19	33	14
26206	NM_001039592,NM_172312	SPAG8	sperm associated antigen 8	-1.207460053	-1.662671101	0.249931	0.217782	0.136311	0.56944351	0.48576948	0.36729312	19	21	14
6428	NM_003017,NR_036610	SRSF3	serine and arginine rich splicing f	1.009046861	-1.663501937	104.240114	105.018522	59.628312	8.37757011	8.3905245	7.64621367	13018	17551	9625
79643	NM_024591	CHMP6	charged multivesicular body prot	1.014647755	-1.66362564	12.407396	12.613795	7.005656	4.40068652	4.4206818	3.71085992	790	1071	584

64753	NM_001201372,NM_022742	CCDC136	coiled-coil domain containing 136	1.012072811	-1.663735136	0.543433	0.596097	0.305822	1.69664266	1.70865125	1.23026757	88	119	65
23594	NM_014321,NR_037620	ORC6	origin recognition complex subun	-1.13721152	-1.66376795	55.547641	48.85373	31.342183	6.4774274	6.29414062	5.75364996	3459	4064	2557
10482	NM_001081491,NM_006362	NXF1	nuclear RNA export factor 1	1.192041645	-1.664270681	34.068921	45.888192	21.301788	6.81067188	7.06204024	6.08426934	4368	6957	3228
25904	NM_001256741,NM_001256742	CNOT10	CCR4-NOT transcription complex	1.08385663	-1.664286982	9.751238	10.524552	5.493398	4.78350351	4.89562996	4.08288706	1042	1509	770
79903	NM_001083600,NM_001083601	NAA60	N(alpha)-acetyltransferase 60, Na	1.077802837	-1.664574539	24.138259	26.125594	13.717812	5.99805187	6.10451925	5.2777797	2470	3557	1825
399979	NM_001301089,NM_001347918	SNX19	sorting nexin 19	-1.675629493	-1.664629223	17.210309	10.428652	9.68011	6.64100301	5.90600704	5.91535059	3879	3093	2866
140462	NM_001031739,NM_001168530	ASB9	ankyrin repeat and SOCS box co	-1.623590094	-1.664701533	1.600588	0.981267	0.860737	1.89739865	1.42093184	1.39836968	107	88	79
79783	NM_001193311,NM_001193312	SUGCT	succinyl-CoA:glutarate-CoA trans	-3.861633004	-1.665207288	0.96719	0.252422	0.511018	1.35261029	0.48576948	0.95003448	61	21	45
9678	NM_014660,NR_033435,NR_03	PHF14	PHD finger protein 14	-1.445626631	-1.665726574	10.026482	6.518083	4.846951	5.33368816	4.81780485	4.62109129	1544	1427	1140
2766	NM_006877	GMPR	guanosine monophosphate reduc	-2.659754187	-1.665918506	0.65619	0.233659	0.369159	0.97665845	0.44594451	0.65979727	38	19	28
503637	NR_122113	DUXAP8	double homeobox A pseudogene	1.337744986	-1.666735047	1.221748	1.641267	0.690849	1.81624731	2.12902957	1.32870978	99	177	73
25855	NM_001024957,NM_015399	BRMS1	breast cancer metastasis suppres	1.356487036	-1.667215579	30.782044	41.864504	17.326997	5.45676729	5.88800748	4.74101761	1685	3054	1243
220869	NM_001024916,NM_001286835	CBWD5	COBW domain containing 5	-1.304424146	-1.667571392	30.979137	24.030215	17.831539	5.92554116	5.54931631	5.20350701	2347	2404	1731
23315	NM_001260491,NM_015266,NR	SLC9A8	solute carrier family 9 member A8	-1.383189199	-1.667790645	12.467129	9.001617	7.03075	6.25875968	5.79794319	5.53331305	2967	2866	2188
10203	NM_001271751,NM_005795	CALCRL	calcitonin receptor like receptor	1.299575	-1.667882272	0.402232	0.52342	0.224269	1.77389308	2.05153568	1.29257653	95	165	70
129530	NM_174898	LYG1	lysozyme g1	-1.136555399	-1.668101183	2.995373	2.648149	1.679982	1.96484452	1.82964782	1.45395569	114	134	84
84817	NM_032731	TXNDC17	thioredoxin domain containing 17	-1.117867949	-1.668502967	19.564293	17.52314	11.017796	5.34095955	5.18438775	4.62593952	1552	1855	1144
138162	NM_001048265,NM_144654	C9orf116	chromosome 9 open reading fran	1.12541488	-1.668727436	9.641667	10.926015	5.417024	2.95890107	3.10858833	2.33885915	266	400	196
5702	NM_002804	PSMC3	proteasome 26S subunit, ATPase	-1.310265556	-1.668732198	148.535767	113.482018	83.641075	7.84235858	7.45444311	7.10779184	8971	9148	6612
7755	NM_001042428,NM_001278158	ZNF205	zinc finger protein 205	-1.014616283	-1.669559747	12.520583	12.046804	7.008592	4.68694402	4.666826	3.98439467	972	1280	716
55191	NM_018161	NADSYN1	NAD synthetase 1	-1.013545302	-1.669940894	29.287134	28.933252	16.481909	6.13559407	6.11646066	5.40944022	2721	3587	2004
56829	NM_020119,NM_024625	ZC3HAV1	zinc finger CCCH-type containing	-1.921818788	-1.669970203	26.217251	12.350652	15.057189	7.02925927	6.09690492	6.29679664	5089	3538	3748
25796	NM_012088	PGLS	6-phosphogluconolactonase	-1.425070196	-1.669975036	69.684692	48.955906	39.213718	6.15325617	5.6507905	5.42690827	2755	2583	2029
7979	NM_001201450,NM_001201451	SEM1	SEM1, 26S proteasome complex	-1.947086217	-1.670315642	290.934639	149.152468	163.281264	7.15215597	6.20038753	6.41879885	5545	3805	4083
7752	NM_001145446,NM_001145447	ZNF200	zinc finger protein 200	1.029492112	-1.670587728	7.494453	7.69571	4.154959	4.64055392	4.68083331	3.93836491	940	1293	692
10847	NM_006662	SRCAP	Snf2 related CREBBP activator p	1.008920646	-1.6716944	20.660431	20.867382	11.612769	7.72585705	7.73860966	6.98910317	8272	11151	6086
7633	NM_001286696,NM_001286697	ZNF79	zinc finger protein 79	1.071101443	-1.671770989	3.163762	3.45805	1.850208	3.00540462	3.09255667	2.37961802	276	395	203
493753	NM_001008215	COA5	cytochrome c oxidase assembly f	-1.125975034	-1.672025529	24.344038	21.652098	13.685253	5.42290482	5.25594871	4.70366895	1645	1952	1210
101752334	NR_103728	PVRIG2P	poliovirus receptor related immur	-1.592667136	-1.672035257	30.442617	19.129679	17.109926	5.26558691	4.61614023	4.54889714	1471	1234	1082
283212	NM_001039548	KLHL35	kelch like family member 35	-1.738179223	-1.672966545	0.392994	0.229396	0.225322	0.81895953	0.52452456	0.54161868	30	23	22
55027	NM_001329729,NM_001329730	HEATR3	HEAT repeat containing 3	1.052016661	-1.673050705	6.600094	7.571557	4.040356	4.98955224	5.0604688	4.27723085	1208	1698	888
51678	NM_001303037,NM_016447	MPP6	membrane palmitoylated protein	1.230037978	-1.673146257	2.039876	2.562812	1.143456	4.10002583	4.38295215	3.4128543	634	1042	466
54861	NM_001100594,NM_001330750	SNRK	SNF related kinase	1.43332875	-1.67320696	8.209116	11.802362	4.668699	5.4168963	5.92604823	4.69677317	1638	3137	1204
101930085	NR_136255	LOC101930085	uncharacterized LOC101930085	-1.011733495	-1.673537241	3.587342	3.549177	2.011024	3.97240126	3.95664704	3.28994455	577	762	424
219931	NM_139075	TPCN2	two pore segment channel 2	1.183057766	-1.673578763	5.668843	6.718405	3.182247	4.84616772	5.0809276	4.13653226	1090	1723	801
100131089	NR_040059,NR_040060,NR_04(	SRP14-AS1	SRP14 antisense RNA1 (head to	-1.274369112	-1.674365906	3.779407	3.062769	1.960736	2.64904502	2.36086138	2.05235145	207	217	152
55366	NM_001346432,NM_018490	LGR4	leucine rich repeat containing G p	-8.459793914	-1.674394969	2.405124	0.280937	1.346916	3.73086534	1.29208824	3.05850609	482	76	354
27340	NM_014503	UTP20	UTP20, small subunit processom	-1.084954066	-1.674753409	7.060952	6.51458	3.961201	5.97603671	5.86034326	5.24742715	2432	2995	1786
140707	NM_080626	BRI3BP	BRI3 binding protein	-1.36826521	-1.674821025	20.964127	15.339588	11.756205	4.75384679	4.32100453	4.04537929	1020	996	749
595135	NR_002836	PGM5P2	phosphoglucomutase 5 pseudoge	1.1473367	-1.675068929	0.784492	0.910824	0.437304	1.33814853	1.4614436	0.93448595	60	92	44
646903	NR_036538	LOC646903	uncharacterized LOC646903	-1.214192653	-1.675068929	0.792103	0.653473	0.442059	1.33814853	1.1751656	0.93448595	60	66	44
5695	NM_002799	PSMB7	proteasome subunit beta 7	-1.221405886	-1.675331981	332.329803	272.37912	186.401352	8.3638039	8.07622786	7.62230301	12894	14105	9466
368	NM_001079528,NM_001171,NM	ABCC6	ATP binding cassette subfamily C	-1.677194389	-1.677298194	2.276643	1.304203	1.041592	2.72881625	2.12272838	2.12264217	221	176	162
692063	NR_003032	SNORA32	small nucleolar RNA, H/ACA box	-1.089726451	-1.677356566	31.56436	28.845062	17.639589	2.23841445	2.14154997	1.6852207	146	179	107
91283	NM_001198805,NM_001198806	MSANTD3	Myb/SANT DNA binding domain	-1.056971579	-1.677516409	21.158118	20.018582	11.812336	5.24925536	5.17147225	4.52832887	1454	1838	1066
9120	NM_001174166,NM_004694	SLC16A6	solute carrier family 16 member 6	-1.053966345	-1.677538088	0.466293	0.441516	0.264784	1.48977343	1.44132992	1.05442063	71	90	52
199800	NM_001101340	ADM5	adrenomedullin 5 (putative)	-1.500557582	-1.677644579	12.983933	8.6676	7.269397	4.79281331	4.23306486	4.08112291	1049	934	769
9488	NM_004855	PIGB	phosphatidylinositol glycan ancho	-1.2368099	-1.677651255	12.302508	9.960949	6.890189	4.77278965	4.47857574	4.0615736	1034	1117	758
54981	NM_001127603,NM_001330678	NMRK1	nicotinamide riboside kinase 1	-1.530264623	-1.678147027	15.856859	11.328017	10.047672	4.6940596	4.10945474	3.98439467	977	853	716
115106	NM_138443,NR_026978	HAUS1	HAUS augmin like complex subu	-1.201349613	-1.678490289	22.110109	18.422322	12.372079	4.66103338	4.40778273	3.95194263	954	1061	699
26747	NM_012345	NUFIP1	NUFIP1, FMR1 interacting protei	1.06342515	-1.678968177	4.598523	4.891041	2.57042	4.05430925	4.13785342	3.36435937	613	871	449
100132101	NR_036470	HERC2P7	hect domain and RLD 2 pseudog	-1.101455722	-1.679109625	8.411313	7.649044	4.709254	3.95117646	3.82117143	3.26529764	568	689	416
9274	NM_001286526,NM_004765	BCL7C	BCL tumor suppressor 7C	-1.272315564	-1.679188405	37.034193	29.104445	20.588077	5.32637993	4.98865526	4.60276393	1536	1613	1125
51005	NM_001145815,NM_001330449	AMDHD2	amidohydrolase domain containir	1.588665684	-1.679206078	14.145534	22.632816	8.594332	4.71799337	5.36540872	4.0068703	994	2110	728
119392	NM_001002759,NM_145247	SFR1	SWI5 dependent homologous rec	-1.939592574	-1.679371256	16.548974	8.57274	9.191693	4.60927912	3.70787447	3.90085366	919	633	673
100506113	NR_144531	LOC100506113	uncharacterized LOC100506113	-1.049306843	-1.679449932	0.387207	0.378206	0.232674	0.35634914	0.3412894	0.22116494	11	14	8
101927288	NR_047502,NR_104136	MANEA-AS1	MANEA antisense RNA 1 (head t	1.357313733	-1.679449932	0.125876	0.276056	0.069874	0.35634914	0.46599441	0.22116494	11	20	8
677850	NR_004397	SNORD1C	small nucleolar RNA, C/D box 1C	1.896385267	-1.679449932	3.360817	6.761103	1.951824	0.35634914	0.61708849	0.22116494	11	28	8
283899	NM_001304562,NM_001304563	INO80E	INO80 complex subunit E	1.016232561	-1.679940398	55.496519	56.577387	30.058392	6.10815615	6.13105355	5.37385651	2669	3624	1954
100506881	NR_125364	MKLN1-AS	MKLN1 antisense RNA	-1.734334095	-1.680599681	0.660856	0.382954	0.362422	1.21691895	0.81765451	0.83750224	52	40	38
10138	NM_001190977,NM_001190979	YAF2	YY1 associated factor 2	-1.507413862	-1.681196318	4.37781	2.873269	2.449448	4.29233333	3.73704369	3.59201087	730	647	534
6204	NM_001014,NM_001203245,NM	RPS10	ribosomal protein S10	1.046809648	-1.681355251	602.052463	630.66025	337.663437	8.58097178	8.64680289	7.83390456	14995	20973	10969
6230	NM_001028	RPS25	ribosomal protein S25	-2.494145883	-1.681598223	1322.589355	530.864929	739.094543	9.30963173	7.9944696	8.56134305	24874	13325	18193
10783	NM_001145001,NM_001166167	NEK6	NIMA related kinase 6	1.165157701	-1.681752035	22.182386	26.233956	12.708569	5.90606357	6.12318384	5.17236179	2315	3604	1693
29093	NM_001014990,NM_014180	MRPL22	mitochondrial ribosomal protein L	-1.306494501	-1.681759351	32.032816	24.598089	17.924806	6.64210718	6.26081446	5.90192215	3882	3970	2839
168374	NM_001287532,NM_001287533	ZNF92	zinc finger protein 92	-1.269774077	-1.682049618	9.619323	7.638584	5.452321	4.94252643	4.61052206	4.22386645	1168	1229	854
84940	NM_001351301,NM_001351302	CORO6	coronin 6	1.024165894	-1.682175221	3.742205	3.83227	2.090064	3.27963753	3.31058687	2.62698266	342	468	250
10988	NM_001317182,NM_001317183	METAP2	methionyl aminopeptidase 2	-1.230599375	-1.682640383	42.341998	34.438909	23.761429	7.18358814	6.88650747	6.43960087	5668	6154	4143
3670	NM_002202	ISL1	ISL LIM homeobox 1	-1.515051893	-1.683386782	1.458134	0.96126	0.810407	2.28439817	1.82964782	1.72191206	152	134	111
124152	NM_001305121,NM_001305122	IQCK	IQ motif containing K	1.153796102	-1.68362193	3.122847	3.629251	1.756808	3.509976	3.69943092	2.84224948	408	629	298
25906	NM_001278485,NM_001278486	ANAPC15	anaphase promoting complex sul	1.111860116	-1.683828442	22.618632	24.705325	12.220727	4.35472906	4.50061221	3.6502813	764	1135	558
619571	NR_002592	SNORD96A	small nucleolar RNA, C/D box 96	-1.09041657	-1.684301971	40.112514	36.949806	22.459311	1.93632435	1.84504029	1.42086173	111	136	81
51318	NM_016622,NM_145644	MRPL35	mitochondrial ribosomal protein L	-1.080022624	-1.684650658	23.062967	21.005215	13.222805	6.19347844	6.08398924	5.45442456	2834	3506	2069
100506476	NR_109995	LOC100506476	uncharacterized LOC100506476	-1.493419064	-1.684678872	2.251443	1.494026	1.253407	1.66222564	1.29208824	1.19154816	85	76	62
1663	NM_001257144,NM_001257145	DDX11	DEAD/H-box helicase 11	-1.277891187	-1.68483281	55.524506	43.559262	30.973829	7.72620417	7.37432613	6.97824388	8274	8651	6040
113179	NM_001329533,NM_138422	ADAT3	adenosine deaminase, tRNA spe	1.491830735	-1.685045268	2.313192	3.794125	1.307417	2.33625658	2.81621366	1.76650173	159	317	116
6580	NM_003057,NM_153187	SLC22A1	solute carrier family 22 member 1	3.762753087	-1.685255447	0.299307	1.141071	0.167481	0.64188297	1.63971536	0.41288872	22	111	16
9141	NM_004708	PDCD5	programmed cell death 5	-1.63283542	-1.686886704	217.117935	133.101364	120.926041	7.00771875	6.30739739	6.26101394	5013	4102	3655
85028	NR_024127,NR_146381,NR_14(	SNHG12	small nucleolar RNA host gene 1	-1.406193522	-1.68690012	65.497144	47.476673	37.31115	5.90115281	5.41910375	5.16321914	2307	2192	1682
653786	NR_003676	LOC653786	otoancorin pseudogene	-1.190938822	-1.687212728	0.324338	0.268522	0.178434	0.88013425	0.77006602	0.58209675	33	37	24
55316	NM_018346,NR_130911	RSAD1	radical S-adenosyl methionine do	-1.727013375	-1.687503984	32.454019	18.414653	18.190456	6.29102907	5.51604641	5.54871366	3035	2348	2212
9235	NM_001012631,NM_001012632	IL32	interleukin 32	-2.435150129	-1.687561183	12.379097	5.112013	6.793088	3.79315817	2.65089709	3.10785943	505	277	368
513	NM_001001975,NM_001687	ATP5D	ATP synthase, H+ transporting, m	-1.237638386	-1.6878884	89.100723	72.078759	49.833738	6.24622809	5.94313528	5.50398615	2941	3175	2143
10230	NR_003108,NR_138145	NBR2	neighbor of BRCA1 gene 2 (non-	1.244509397	-1.688001649	7.79357	9.771993	4.349834	3.61567874	3.90800961	2.93892502	442	735	322
9617	NM_004294	MTRF1	mitochondrial translation release	-1.149293826	-1.688087344	6.289577	5.476888	3.499862	3.84009957	3.65427289	3.15222336	523	608	381
115752	NM_001143688,NM_001323936	DIS3L	DIS3 like exosome 3'-5' exoribon	-1.247641766	-1.688321474	13.247946	10.368547	7.154439	5.62926888	5.3172456	4.89354711	1904	2039	1387
63926	NM_001303472,NM_022096,NM	ANKEF1	ankyrin repeat and EF-hand dom	1.347299094	-1.688389849	6.527717	8.837257	3.657954	4.67116511	5.08660446	3.95387191	961	1730	700
10236	NM_001102397,NM_001102398	HNRNPR	heterogeneous nuclear ribonucle	-2.098741309	-1.688623762	27.695194	13.179799	15.400533	7.69940496	6.63746622	6.94831528	8121	5170	5915
101928424	NR_135053	LOC101928424	uncharacterized LOC101928424	-2.002012736	-1.689839896	3.563533	1.7806	1.983148	1.81624731	1.1751656	1.31676564	99	66	72
29970	NM_001197107,NM_001197108	SCHIP1	schwannomin interacting protein	-1.077211061	-1.689876149	7.87711	5.552385	3.640163	4.01393646	3.91349545	3.31717816	595	738	433
1678	NM_001145951,NM_004085	TIMM8A	translocase of inner mitochondria	1.153121891	-1.690060929	10.03838	11.781831	5.682896	3.78784692	3.97949286	3.10091148	503	775	366
5866	NM_001271686,NM_013401	RAB3IL1	RAB3A interacting protein like 1	1.582949046	-1.690079726	1.329714	2.106484	0.739741	2.02927762	2.55587612	1.4969322	121	256	88
26589	NM_022163	MRPL46	mitochondrial ribosomal protein L	1.027051171	-1.690635289	27.524769	28.321619	15.29409	4.79810635	4.83525167	4.0758175	1053	1445	766
64951	NM_032014	MRPS24	mitochondrial ribosomal protein S	-1.455454563	-1.6912831	89.814941	61.762703	49.911266	5.95130682	5.42038874	5.20917167	2390	2194	1738
5204	NM_002624,NM_145897	PFDN5	prefoldin subunit 5	-1.626243665	-1.691337427	338.578074	209.101033	187.93558	7.82204145	7.12447419	7.06826521	8845	7267	6432
619499	NR_002575	SNORA27	small nucleolar RNA, H/ACA box	-1.200003157	-1.691918609	21.936741	18.281597	12.068979	1.88750088	1.70021226	1.37552141	106	118	77
91942	NM_174889	NDUFAF2	NADH:ubiquinone oxidoreductas	-1.136458632	-1.692047861	81.389397	71.678879	45.194008	5.85745527	5.6762924	5.11575465	2237	2630	1626
339488	NM_178548	TFAP2E	transcription factor AP-2 epsilon	-1.0159859	-1.692260775	0.866124	0.85822	0.483687	1.51570785	1.50084877	1.06873498	73	96	53
27341	NM_015703	RRP7A	ribosomal RNA processing 7 hom	1.126260565	-1.692348004	32.803299	36.985958	18.211515	7.45304323	7.62366307	6.69968997	6840	10293	4971

619383	NR_002569	SCARNA9	small Cajal body-specific RNA 9	-1.201927254	-1.69272563	33.827023	28.17173	18.766087	3.65995838	3.4174117	2.9773697	457	508	332
11270	NM_001270707,NM_001270708	NRM	nurim (nuclear envelope membra	-1.069562222	-1.6928823	22.134344	20.098805	12.048502	5.06613802	4.97210198	4.33610682	1276	1594	927
1802	NM_001039589,NM_001319165	DPH2	DPH2 homolog	1.235224585	-1.692908593	15.976484	19.678549	8.893147	5.29208934	5.58985296	4.55780436	1499	2474	1089
9475	NM_001321643,NM_004850	ROCK2	Rho associated coiled-coil contai	1.034862107	-1.693339912	7.088671	7.374306	3.804171	5.81696286	5.86554139	5.07467653	2174	3006	1579
441242	NR_038378,NR_103527	LOC441242	uncharacterized LOC441242	-2.018701382	-1.693514978	2.108505	1.036497	1.169062	2.05603457	1.3579479	1.51794971	124	82	90
386724	NM_198722	AMIGO3	adhesion molecule with Ig like do	1.36539077	-1.69362647	3.302537	4.519502	1.835669	3.40287721	3.81532231	2.73414401	376	686	273
388722	NM_001024594	C1orf53	chromosome 1 open reading fran	1.258185093	-1.693744246	4.322225	5.438659	2.383826	1.9554003	2.20853486	1.43197761	113	190	82
4528	NM_001005369,NM_001321001	MTIF2	mitochondrial translational initiati	-1.105729154	-1.694374976	33.90513	30.111522	18.557837	6.3903063	6.24712059	5.64141262	3254	3932	2362
4855	NM_004557,NR_134949,NR_13	NOTCH4	notch 4	-3.943294132	-1.69481063	0.309963	0.077203	0.17047	1.602974	0.59904473	1.13825079	80	27	58
79905	NM_001160364,NM_001300732	TMC7	transmembrane channel like 7	-2.076790957	-1.694918209	10.398736	5.009429	5.836584	5.48000681	4.45995136	4.74101761	1713	1102	1243
26519	NM_012456	TIMM10	translocase of inner mitochondria	-1.323324179	-1.695192269	84.408287	63.83812	46.772495	5.81761456	5.42167258	5.07378969	2175	2196	1578
51122	NM_016094,NR_135149	COMMD2	COMM domain containing 2	-1.442164131	-1.695386817	9.64588	6.70011	5.347623	5.1687957	4.65813802	4.4347263	1373	1272	996
4550	NR_137295	RNR2	Homo sapiens mitochondrially en	-1.149786488	-1.69661486	9075.005859	7901.484863	5026.457031	13.74891195	13.54756162	12.98632564	540450	628036	391791
100128292	NR_024585	DLG5-AS1	DLG5 antisense RNA 1	-2.19004691	-1.69695663	0.753864	0.344652	0.416771	1.6852613	1.00745609	1.20457043	87	53	63
79017	NM_001199815,NM_001199816	GGCT	gamma-glutamylcyclotransferase	-1.402931857	-1.697133461	66.347343	47.175996	37.332467	6.20398443	5.72338199	5.45442456	2855	2719	2069
105374952	NR_134616,NR_134618	LOC105374952	uncharacterized LOC105374952	1.103200403	-1.697337365	2.650923	2.898912	1.492309	1.98354948	2.09080288	1.45395569	116	171	84
100505666	NR_040772,NR_040773	DCST1-AS1	DCST1 antisense RNA 1	-1.467204081	-1.697566005	2.354085	1.805864	1.422444	2.23060596	1.81408935	1.66651905	145	132	105
5829	NM_001080855,NM_001243756	PXN	paxillin	-1.259365297	-1.697739375	169.851321	136.487159	95.318476	9.29145012	8.9593487	8.52943608	24562	26059	17794
79696	NM_001042430,NM_001330191	ZC2HC1C	zinc finger C2HC-type containing	1.157593852	-1.697827493	1.39139	1.650894	0.81109	2.62541894	2.8044511	2.01587867	203	314	147
54512	NM_019037	EXOSC4	exosome component 4	-1.127373447	-1.69793561	28.726612	25.493599	15.884471	4.70255223	4.53660777	3.97682431	983	1165	712
9826	NM_014784,NM_198236	ARHGEF11	Rho guanine nucleotide exchang	1.018850366	-1.698372624	7.418695	7.564906	4.105268	5.66591984	5.69233762	4.92142062	1954	2660	1415
284080	NR_038230	PICART1	p53-inducible cancer-associated	1.429561999	-1.698715681	1.265666	1.816555	0.696253	2.04717061	2.45415268	1.50747923	123	235	89
6432	NM_001031684,NM_001195446	SRSF7	serine and arginine rich splicing f	-1.038349074	-1.698730263	124.767099	120.285726	69.149044	8.2422555	8.18814617	7.48111442	11849	15247	8579
56243	NM_001098500,NM_001282767	KIAA1217	KIAA1217	1.426689341	-1.69925329	6.14709	8.488367	3.333679	5.3934833	5.89588107	4.6523174	1611	3071	1166
101060195	NR_134638	FCF1P2	FCF1 pseudogene 2	-1.19977508	-1.699259372	2.628153	2.197488	1.452188	2.19894236	1.99745948	1.63800401	141	157	102
101930071	NR_126041	LOC101930071	uncharacterized LOC101930071	-1.118220955	-1.699278753	3.212944	2.852643	1.738434	0.93882015	0.86372326	0.62147005	36	43	26
8506	NM_003632	CNTNAP1	contactin associated protein 1	-2.554430206	-1.699799228	1.57428	0.616239	0.872024	3.22958708	2.09724475	2.56774382	329	172	238
106660612	NR_125727,NR_125728,NR_12	LINC00680	long intergenic non-protein codin	1.708318405	-1.700605438	1.910028	3.278242	1.009178	2.38631541	3.04002433	1.80120704	166	379	120
4258	NM_001204366,NM_001204367	MGST2	microsomal glutathione S-transfe	-1.213444981	-1.700697286	78.555003	65.241925	44.428749	6.05553602	5.78103713	5.30448591	2572	2832	1860
11222	NM_007208	MRPL3	mitochondrial ribosomal protein L	1.338933408	-1.700909804	105.563148	141.490295	58.31218	7.51019724	7.92928227	6.74941097	7118	12734	5147
246330	NM_001098510,NM_001243135	PELI3	pellino E3 ubiquitin protein ligase	1.3341537	-1.701015858	2.598308	3.424548	1.413011	2.96361946	3.332594	2.32103228	267	476	193
84680	NM_001127219,NM_032592	ACCS	1-aminocyclopropane-1-carboxyl	-1.108626446	-1.701286179	10.197962	9.218055	5.632557	4.49821892	4.35634461	3.77555686	848	1022	613
3855	NM_005556	KRT7	keratin 7	-1.03660437	-1.701321206	1482.659424	1431.875366	818.932373	11.26322084	11.21137688	10.49697571	96459	124330	69733
645121	NM_001039780,NM_001287252	CCNI2	cyclin I family member 2	1.454748484	-1.701499187	0.898905	1.294888	0.488858	1.7191395	2.11639955	1.23026757	90	175	65
348793	NM_001345906,NM_001345907	WDR53	WD repeat domain 53	-1.000455064	-1.701583938	26.467924	25.645753	14.421134	5.45341658	5.45277516	4.70939036	1681	2245	1215
101060200	NM_001277291	ZNF891	zinc finger protein 891	-1.06882499	-1.701746773	1.216945	1.144986	0.669418	1.90722898	1.83736459	1.38699077	108	135	78
79101	NM_024116,NR_146090,NR_14	TAF1D	TATA-box binding protein associ	-1.543580198	-1.701795549	156.160092	102.605978	84.107768	7.91693338	7.29388539	7.15404705	9449	8179	6829
6723	NM_003132	SRM	spermidine synthase	1.099290623	-1.702017425	44.433552	48.908073	24.531809	5.80977473	5.94402902	5.0604213	2163	3177	1563
79147	NM_001039885,NM_024301	FKRP	fukutin related protein	1.09507646	-1.702387229	13.359036	14.66741	7.364718	5.51095907	5.63924869	4.76539014	1751	2562	1265
197407	NM_001214906,NM_001214907	ZNF48	zinc finger protein 48	1.182270477	-1.702478279	6.234422	7.323557	3.588979	4.37965714	4.61052206	3.65976826	778	1229	562
5080	NM_000280,NM_001127612,NM	PAX6	paired box 6	-12.77067362	-1.702521606	1.256273	0.104741	0.592207	3.05929974	0.65251278	2.40804223	288	30	208
25826	NR_004398	SNORD82	small nucleolar RNA, C/D box 82	1.489387219	-1.702535021	2.130892	3.410552	1.311441	0.23670415	0.3412894	0.14214747	7	14	5
768220	NR_030527	MIR765	microRNA 765	1.068150199	-1.702535021	1.42008	1.624105	0.817654	0.23670415	0.25173066	0.14214747	7	10	5
5697	NM_004160	PYY	peptide YY	-1.329394012	-1.702535021	0.171904	0.129069	0.077578	0.23670415	0.18071335	0.14214747	7	7	5
140890	NM_001077199,NM_001270492	SREK1	splicing regulatory glutamic acid	-1.17560833	-1.702622987	65.122161	55.376368	36.124085	8.75342941	8.52060725	7.98801062	16904	19212	12211
102465463	NR_106830	MIR6772	microRNA 6772	1.077414227	-1.702859203	10.046567	10.951616	5.538827	0.71085839	0.75384785	0.45708734	25	36	18
6634	NM_001278656,NM_004175,NR	SNRPD3	small nuclear ribonucleoprotein D	1.039093851	-1.702881438	127.85746	132.999358	70.58865	8.88997849	8.94519034	8.12413032	18586	25804	13424
102465976	NR_106865	MIR6807	microRNA 6807	-1.105316636	-1.702959375	32.546745	29.488918	17.914579	1.97422731	1.86782539	1.4430085	115	139	83
7072	NM_001351508,NM_001351509	TIA1	TIA1 cytotoxic granule associated	1.088018905	-1.703680446	25.826728	27.564354	15.385779	6.80279412	6.92345485	6.04317798	4344	6315	3136
874	NM_001236	CBR3	carbonyl reductase 3	-2.565019268	-1.703700299	8.518394	3.331395	4.708397	3.35699061	2.20257223	2.68388473	363	189	262
55703	NM_001160708,NM_018082	POLR3B	RNA polymerase III subunit B	-1.253969964	-1.703839935	3.736801	2.982326	2.062449	4.04987877	3.74527057	3.34096163	611	651	441
55003	NM_017906	PAK1IP1	PAK1 interacting protein 1	-1.084506183	-1.70391643	19.672371	18.163643	10.843596	4.89020329	4.77725916	4.15509812	1125	1386	812
220136	NM_145020	CFAP53	cilia and flagella associated prote	1.226802163	-1.704472516	1.215655	1.487352	0.66977	1.67378945	1.88281796	1.19154816	86	141	62
54815	NM_001300946,NM_017660	GATAD2A	GATA zinc finger domain contain	-1.130440645	-1.704595222	20.853422	18.299546	11.282715	6.79487312	6.6196771	6.03454393	4320	5106	3117
129450	NM_001039693,NR_004862,NR	TYW5	tRNA-yW synthesizing protein 5	-1.068154313	-1.7046161	7.069882	6.643216	3.904356	5.24247649	5.14994432	4.49955999	1447	1810	1044
55341	NM_018385	LSG1	large 60S subunit nuclear export	1.134887898	-1.704645238	57.332001	65.135239	31.603302	7.64665111	7.82834728	6.88222935	7828	11870	5648
131566	NM_080927	DCBLD2	discoidin, CUB and LCCL domair	1.108901199	-1.704847804	161.608154	179.403732	89.0765	9.90645026	10.05543385	9.13786347	37639	55767	27154
51118	NM_016037	UTP11	UTP11, small subunit processom	-1.200902834	-1.705274769	30.714828	25.603569	16.925444	5.96136766	5.7018798	5.20755546	2407	2678	1736
116028	NM_152308,NR_130754	RMI2	RecQ mediated genome instabilit	-1.054461826	-1.705464608	35.675929	33.790967	19.568572	5.66881209	5.59384468	4.9184598	1958	2481	1412
285429	NM_001029955	DCAF4L1	DDB1 and CUL4 associated facto	1.673143321	-1.705771104	0.509143	0.85028	0.277737	1.75224037	2.31185141	1.25551499	93	208	67
253980	NM_178863,NR_110933	KCTD13	potassium channel tetramerizatio	-1.249808733	-1.705941149	19.270332	15.645965	10.61926	5.1718571	4.86008588	4.42918965	1376	1471	992
57696	NM_020936,NR_135104,NR_13	DDX55	DEAD-box helicase 55	-1.316314552	-1.706064867	32.143026	24.507999	17.734067	6.42107909	6.02987599	5.66221147	3325	3375	2397
7741	NM_001023560,NM_001111039	ZSCAN26	zinc finger and SCAN domain co	-1.089433942	-1.70619981	4.887147	4.676343	2.786907	3.85794988	3.74321825	3.15558012	530	650	382
143244	NM_001099692	EIF5AL1	eukaryotic translation initiation fa	1.075621624	-1.706975872	0.212498	0.234474	0.115151	0.86002952	0.90836632	0.56199967	32	46	23
6647	NM_000454	SOD1	superoxide dismutase 1	-1.601396679	-1.707023748	308.64209	192.934448	169.903427	8.18481865	7.50845841	7.41682664	11385	9499	8203
29893	NM_001256014,NM_001256015	PSMC3IP	PSMC3 interacting protein	-1.0597007	-1.707218951	30.22962	29.204795	16.745664	5.47423193	5.39250602	4.72529065	1706	2151	1229
84167	NM_001288834,NM_032207	C19orf44	chromosome 19 open reading fra	1.258371359	-1.707342714	3.077995	3.714203	1.590124	3.34979977	3.65208684	2.67455554	361	607	260
26973	NM_001144073,NM_012124	CHORDC1	cysteine and histidine rich domai	-1.281331285	-1.707540434	29.651214	23.162214	16.314554	6.62508298	6.27153434	5.86343838	3836	4000	2763
7857	NM_003469	SCG2	secretogranin II	9.805292847	-1.70764114	2.282359	22.467777	1.257519	2.75082071	5.83840039	2.12264217	225	2949	162
54487	NM_001190326,NM_022720	DGCR8	DGCR8, microprocessor complex	-1.018571855	-1.707835714	12.69958	12.497095	6.982184	5.82994114	5.80386305	5.07556282	2194	2878	1580
23682	NM_022337	RAB38	RAB38, member RAS oncogene	-1.130085314	-1.708496484	3.824485	3.389009	2.10076	2.68948191	2.541776	2.06668624	214	253	154
9894	NM_001351846,NM_016111	TELO2	telomere maintenance 2	1.179977987	-1.708576911	23.680706	27.965322	13.079798	6.27877585	6.51470662	5.51904993	3009	4744	2166
10200	NM_005792	MPHOSPH6	M-phase phosphoprotein 6	-1.073641775	-1.708956799	39.750195	37.056332	21.847679	5.44669174	5.34660637	4.69677317	1673	2082	1204
56155	NM_001201457,NM_031272,NM	TEX14	testis expressed 14, intercellular	1.285893663	-1.709088762	0.335589	0.435007	0.182896	1.39514558	1.63086207	0.96541723	64	110	46
101928464	NR_134927,NR_134928,NR_13	LOC101928464	uncharacterized LOC101928464	-1.042752658	-1.709088762	2.323805	2.096059	1.287622	1.39514558	1.3579479	0.96541723	64	82	46
27351	NM_015704	DESI1	desumoylating isopeptidase 1	-1.105209091	-1.710274952	17.917238	16.231007	9.845712	6.07037665	5.92830812	5.31127406	2599	3142	1869
79828	NM_001321154,NM_001321155	METTL8	methyltransferase like 8	1.096985469	-1.71066732	3.942748	4.276168	2.152617	5.26749617	5.39773447	4.51923721	1473	2159	1059
124637	NM_001330110,NM_144607	CYB5D1	cytochrome b5 domain containing	1.434965616	-1.710843921	3.948684	5.727541	2.171193	3.95355025	4.44613902	3.24338068	569	1091	409
285512	NR_002806	FAM13A-AS1	FAM13A antisense RNA 1	1.170394461	-1.71137254	0.635109	0.740328	0.344388	1.57857476	1.73367602	1.11084509	78	122	56
55781	NM_001159749,NM_018343	RIOK2	RIO kinase 2	-1.004281882	-1.711383333	12.250538	12.377599	6.781757	5.5763411	5.57030594	4.82246845	1834	2440	1318
4716	NM_004548	NDUFB10	NADH:ubiquinone oxidoreductas	-1.253048626	-1.711454849	152.866776	122.116325	83.927032	6.71072135	6.38875065	5.94523646	4073	4343	2927
388610	NM_001013642	TRNP1	TMF1-regulated nuclear protein 1	-3.87547853	-1.711804325	13.812985	3.566447	7.588014	4.76740274	2.95745524	4.02900114	1030	355	740
6271	NM_006271	S100A1	S100 calcium binding protein A1	1.174775307	-1.712090456	0.616596	0.709976	0.324175	0.43999062	0.50527715	0.27153692	14	22	10
100270680	NR_117101,NR_117102	CASC11	cancer susceptibility 11 (non-prot	2.182802489	-1.712090456	0.404277	0.88849	0.228769	0.43999062	0.83317479	0.27153692	14	41	10
26355	NM_014367	FAM162A	family with sequence similarity 16	1.437985224	-1.712141544	95.6334	137.683914	52.494759	6.30457447	6.82306857	5.54167545	3064	5887	2201
105369747	NR_135024	LOC105369747	uncharacterized LOC105369747	1.417097771	-1.71223427	2.612296	3.714765	1.421393	1.66222564	2.02475093	1.17840727	85	161	61
10398	NM_006097,NM_181526	MYL9	myosin light chain 9	-1.491217176	-1.712659697	3.593234	2.479904	2.07073	2.36507395	1.9196316	1.77525664	163	146	117
55471	NM_001083946,NM_001350024	NDUFAF7	NADH:ubiquinone oxidoreductas	-1.045721155	-1.712685015	13.160808	12.239928	7.257826	5.22194666	5.15920994	4.47289912	1426	1822	1024
100130890	NM_001195131	TSTD3	thiosulfate sulfurtransferase (rho	-1.179812907	-1.712849376	0.714665	0.607519	0.386457	1.23264156	1.10017522	0.83750224	53	60	38
101926957	NR_138042	ISX-AS1	ISX antisense RNA 1	1.228160228	-1.713012836	1.141036	1.403421	0.622916	2.11660268	2.35011326	1.5590879	131	215	94
101928674	NR_110845,NR_110846,NR_11	LOC101928674	uncharacterized LOC101928674	-2.300606074	-1.713012836	3.839498	1.65586	2.168674	2.11660268	1.29208824	1.5590879	131	76	94
219899	NM_001130047,NM_152715	TBCEL	tubulin folding cofactor E like	-1.36308322	-1.714092081	5.242182	3.847549	2.918331	4.42996298	4.00712306	3.69940604	807	791	579
6632	NM_001291916,NM_006938	SNRPD1	small nuclear ribonucleoprotein D	-1.11748209	-1.714435085	109.897115	98.340868	60.229721	7.44631664	7.28703377	6.67446428	6808	8140	4884
10480	NM_001307929,NM_006360	EIF3M	eukaryotic translation initiation fa	-1.495499583	-1.714571464	254.70598	170.62232	139.748982	8.73612604	8.15716941	7.96068668	16702	14922	11981
84283	NM_032323,NR_026678	TMEM79	transmembrane protein 79	1.424327078	-1.714759049	4.741999	6.77611	2.599039	3.49375703	3.96547676	2.80425801	403	767	289
79741	NM_001026383,NM_001321115	CCDC7	coiled-coil domain containing 7	-1.113322774	-1.715042308	0.821485	0.622332	0.443281	2.02024721	1.90501868	1.47560397	120	144	86
100302156	NR_031598	MIR1229	microRNA 1229	-1.746985113	-1.715333627	7.673073	4.399043	4.170316	0.61813834	0.38406669	0.39027104	21	16	15
2175	NM_000135,NM_001018112,NM	FANCA	Fanconi anemia complementatior	-1.146483259	-1.715693487	35.799708	30.765227	22.312575	7.37571934	7.1797725	6.60311359	6481	7553	4646
441194	NR_002217	PMS2CL	PMS2 C-terminal like pseudogen	-1.291376766	-1.716027563	9.128085	7.073591	4.995416	4.04097679	3.69731229	3.32316088	607	628	435

221442	NR_026938	ADCY10P1	adenylate cyclase 10, soluble ps	-1.528386417	-1.716838361	0.540565	0.355893	0.295466	1.77389308	1.36863803	1.26797492	95	83	68
441461	NR_038853	STX17-AS1	STX17 antisense RNA 1	-1.168354806	-1.716966316	1.296057	1.124465	0.723854	0.77668602	0.68708806	0.49997203	28	32	20
692109	NR_003057	SNORD69	small nucleolar RNA, C/D box 69	-1.011076816	-1.716966316	9.46946	9.343347	5.040117	0.77668602	0.77006602	0.49997203	28	37	20
101928979	NR_125967,NR_125968	LINC01719	long intergenic non-protein codin	1.247131465	-1.717185038	2.75368	3.333796	1.392027	1.84721644	2.08433212	1.32870978	102	170	73
4729	NM_021074	NDUFV2	NADH:ubiquinone oxidoreductas	-1.362105194	-1.717991857	240.294632	176.60704	131.432297	7.77214745	7.32869063	6.99614154	8543	8380	6116
26774	NR_003940	SNORD80	small nucleolar RNA, C/D box 80	-1.35050521	-1.720872209	171.655319	127.157684	93.613983	3.68588817	3.29105133	2.98115841	466	461	333
5914	NM_000964,NM_001024809,NM	RARA	retinoic acid receptor alpha	1.298747014	-1.721099551	11.300022	14.890992	6.055974	5.24247649	5.61082803	4.48629114	1447	2511	1034
80308	NM_001184891,NM_001184892	FLAD1	flavin adenine dinucleotide synth	-1.235296302	-1.721268739	37.490578	30.669772	20.912938	6.22820489	5.92785643	5.4585071	2904	3141	2075
79180	NM_024329	EFHD2	EF-hand domain family member	1.17867304	-1.721419758	101.924507	120.271584	55.643143	7.91327955	8.1495381	7.13397933	9425	14843	6734
23246	NM_015201	BOP1	block of proliferation 1	1.094014472	-1.721510647	40.983498	44.893124	22.373083	6.61274502	6.74111294	5.83963686	3803	5559	2717
8815	NM_001143985,NM_003860	BANF1	barrier to autointegration factor 1	-1.035105812	-1.721726113	146.50597	141.760601	79.8756	7.35678829	7.30731815	6.57925295	6396	8256	4569
51535	NM_001143787,NM_001143788	PPHLN1	periphilin 1	-1.092420885	-1.722222952	36.605052	33.931491	21.342172	6.20198918	6.07626548	5.43176167	2851	3487	2036
64785	NM_001126129,NM_001126130	GINS3	GINS complex subunit 3	1.224310253	-1.72251395	10.672896	12.827708	5.729815	4.59414465	4.87515868	3.85203285	909	1487	649
84288	NM_001143943,NM_001290327	EFCAB2	EF-hand calcium binding domain	1.064018701	-1.722528955	5.770644	5.128535	2.85065	3.24129226	3.3216324	2.56269567	332	472	237
84190	NM_001319675,NM_001347934	METTL25	methyltransferase like 25	-1.225760306	-1.723061257	2.204214	1.761118	1.132746	2.46828542	2.23214197	1.86000215	178	194	127
152877	NM_001013622,NM_001174070	FAM53A	family with sequence similarity 5	-1.111323752	-1.724090645	0.795004	0.722939	0.422113	1.76310734	1.65726059	1.25551499	94	113	67
22941	NM_012309,NM_133266,NR_11	SHANK2	SH3 and multiple ankyrin repeat	-1.427953937	-1.72416573	4.420618	3.099713	2.409869	5.5277836	5.027119	4.76429118	1772	1658	1264
79590	NM_024540,NM_145729	MRPL24	mitochondrial ribosomal protein L	-1.049789826	-1.724518623	112.294007	107.537163	61.281412	6.65310266	6.58371374	5.87722811	3912	4979	2790
253039	NR_024408	PSMD5-AS1	PSMD5 antisense RNA 1 (head t	1.094550479	-1.724663205	5.684243	6.229832	3.09892	4.46199571	4.58668388	3.72222359	826	1208	589
9662	NM_025009	CEP135	centrosomal protein 135	-1.150834945	-1.724716783	4.816758	4.188002	2.62201	4.80206342	4.60714063	4.05259921	1056	1226	753
79691	NM_001256835,NM_001256836	QTRT2	queuine tRNA-ribosyltransferase	1.465250646	-1.724939174	15.527208	23.133442	8.507578	5.92433148	6.46793677	5.15485706	2345	4591	1672
116228	NM_001312871,NM_001312872	COX20	COX20, cytochrome c oxidase as	-1.264235545	-1.725230628	18.164315	14.54375	9.844264	5.48903517	5.15920994	4.72529065	1724	1822	1229
200634	NM_001168364,NM_001321325	KRTCAP3	keratinocyte associated protein 3	-1.860243533	-1.725639505	58.534118	31.249966	31.869329	5.69742004	4.82558505	4.93026678	1998	1435	1424
105369865	NR_146533,NR_146534,NR_14	PPP1R12A-AS1	PPP1R12A antisense RNA 1	1.151126598	-1.725852649	0.945299	1.028129	0.47834	1.21691895	1.33632702	0.82068496	52	80	37
101927352	NR_110383,NR_110384	PLS3-AS1	PLS3 antisense RNA 1	-1.825272657	-1.725852649	0.653728	0.357272	0.356188	1.21691895	0.7861039	0.82068496	52	38	37
4710	NM_001168331,NM_004547	NDUFB4	NADH:ubiquinone oxidoreductas	1.106850669	-1.725948108	271.729917	298.862466	143.630907	7.40874912	7.5543921	6.62749283	6632	9808	4726
150678	NM_001163424,NM_138336	COPS9	COP9 signalosome subunit 9	-1.030381517	-1.726433726	96.525829	93.74773	52.5338	5.42547226	5.38331039	4.66179103	1648	2137	1174
54839	NM_001199017,NM_001199018	LRRC49	leucine rich repeat containing 49	1.424837334	-1.726874129	2.179876	3.026644	1.146264	2.88122939	3.332594	2.22843599	250	476	178
51250	NM_001142468,NM_001142470	C6orf203	chromosome 6 open reading fran	-1.010170222	-1.727061725	7.925141	7.547352	4.318972	3.39939883	3.38618649	2.70694712	375	496	267
10942	NM_001270452,NM_006799,NM	PRSS21	protease, serine 21	1.842206492	-1.727149613	21.891057	40.461257	11.828659	4.67260671	5.52801678	3.92465818	962	2368	685
254778	NM_152765	C8orf46	chromosome 8 open reading fran	1.597751391	-1.727179583	1.277606	2.051792	0.695947	2.41415945	2.98550663	1.80975447	170	363	121
286256	NM_178536	LCN12	lipocalin 12	-1.68913711	-1.727305687	1.411021	0.837196	0.770746	0.97665845	0.65251278	0.64076093	38	30	27
7551	NM_001278284,NM_001278287	ZNF3	zinc finger protein 3	-1.844327944	-1.728268248	22.861868	12.4225	12.571041	5.97135882	5.10749649	5.19863383	2424	1756	1725
101926941	NR_120664	LOC101926941	uncharacterized LOC101926941	1.254559665	-1.728524475	1.358663	1.722707	0.725982	0.83964067	0.99371033	0.54161868	31	52	22
100507431	NR_125383	LOC100507431	uncharacterized LOC100507431	-1.721526069	-1.728524475	0.54942	0.313486	0.289296	0.83964067	0.54351856	0.54161868	31	24	22
101927217	NR_110218	LINC01473	long intergenic non-protein codin	-1.795912586	-1.728524475	1.317702	0.73066	0.707534	0.83964067	0.52452456	0.54161868	31	23	22
641977	NR_024271	SEPT7P2	septin 7 pseudogene 2	-1.444064356	-1.728929653	4.363263	3.023814	2.372828	3.39591204	2.92523142	2.70236404	374	346	266
100190986	NR_024456	LOC100190986	uncharacterized LOC100190986	1.130592502	-1.729053192	7.072017	8.003645	3.841953	4.15055879	4.31824987	3.41845388	658	994	468
22881	NM_001242809,NM_001242811	ANKRD6	ankyrin repeat domain 6	-1.690989613	-1.729527139	2.191489	1.373587	1.197277	3.72809498	3.04336424	3.01481644	481	380	342
23131	NM_001002909,NM_001304939	GPATCH8	G-patch domain containing 8	-1.060025574	-1.729629218	27.314192	25.711621	14.813963	7.53477982	7.4511464	6.74996625	7241	9127	5149
100133315	NR_029192	LOC100133315	transient receptor potential catior	-1.124081718	-1.729895724	1.432634	1.281989	0.773175	1.46336426	1.3579479	1.01060517	69	82	49
144132	NM_144666,NM_173589	DNHD1	dynein heavy chain domain 1	-1.724475501	-1.730332306	7.072978	4.464759	4.504404	6.3610997	5.58756701	5.58277547	3188	2470	2266
6649	NM_003102	SOD3	superoxide dismutase 3	2.587883918	-1.730883779	1.703552	4.428956	0.921048	1.82664439	2.92523142	1.30472178	100	346	71
83935	NM_032021	TMEM133	transmembrane protein 133	-1.121002316	-1.731225968	3.444262	3.075509	1.867502	2.85607368	2.71513092	2.20270591	245	292	174
29103	NM_013238	DNAJC15	DnaJ heat shock protein family (I	1.054215075	-1.731228695	13.861717	14.623891	7.518805	5.26558891	5.33983141	4.50088019	1471	2072	1045
441294	NM_001008747	CTAGE15	CTAGE family member 15	-1.673840851	-1.731602086	3.095666	1.856158	1.680167	3.14071816	2.50348775	2.46326383	307	245	218
404672	NM_207118	GTF2H5	general transcription factor IIH su	-1.204972187	-1.731849547	3.724738	3.094396	2.020396	4.81517582	4.55661355	4.05978318	1066	1182	757
25854	NM_001006655,NM_001350178	FAM149A	family with sequence similarity 14	-4.86229858	-1.731936282	0.513599	0.10845	0.280518	1.26358189	0.36283659	0.85412573	55	15	39
64799	NM_001031715,NM_001284347	IQCH	IQ motif containing H	1.146668141	-1.73194374	0.985677	1.184098	0.483657	2.05603457	2.20853486	1.4969322	124	190	88
101926996	NR_110802	RUNDC3A-AS1	RUNDC3A antisense RNA 1	1.12857647	-1.73194374	0.636062	0.718708	0.345075	2.05603457	2.19057252	1.4969322	124	187	88
83990	NM_032043	BRIP1	BRCA1 interacting protein C-tern	-1.24500265	-1.732329198	9.541947	7.672349	5.176975	6.26450698	5.95293607	5.48543279	2979	3197	2115
51053	NM_001251989,NM_001251990	GMNN	geminin, DNA replication inhibito	-1.073651193	-1.732519057	32.78794	30.132396	17.412699	5.28267998	5.18287427	4.51662904	1489	1853	1057
2286	NM_001135208,NM_004470,NM	FKBP2	FK506 binding protein 2	-1.084072245	-1.732562299	163.837478	151.191184	89.729506	6.8350162	6.7196144	6.05131022	4443	5476	3154
26808	NR_000013	SNORD42B	small nucleolar RNA, C/D box 42	1.625011121	-1.733974406	6.460099	10.633597	3.46479	0.5190475	0.77006602	0.32020933	17	37	12
3592	NM_000882	IL12A	interleukin 12A	-2.138680605	-1.734004172	3.413245	1.597794	1.855329	2.53954085	1.70021226	1.91649468	189	118	134
4521	NM_002452,NM_198948,NM_19	NUDT1	nudix hydrolase 1	-1.656851449	-1.734130408	51.762391	31.682447	28.333817	5.17491202	4.47239429	4.40964229	1379	1112	978
51193	NM_001303425,NM_001303426	ZNF639	zinc finger protein 639	-1.064957885	-1.734443291	24.984268	23.417081	13.690731	6.20995367	6.12041926	5.42968364	2867	3597	2033
2842	NM_006143	GPR19	G protein-coupled receptor 19	-1.074380259	-1.735920071	4.681646	4.356509	2.529942	3.16140171	3.06980877	2.47942639	312	388	221
2650	NM_001097633,NM_001097634	GCNT1	glucosaminyl (N-acetyl) transfera	1.462721646	-1.736445316	4.306293	6.341687	2.354417	4.61378867	5.14373402	3.86028525	922	1802	653
79891	NM_001321375,NM_001321376	ZNF671	zinc finger protein 671	-1.409826366	-1.736989947	2.860722	2.004483	1.544792	2.96361946	2.5417776	2.29691521	267	253	189
643161	NM_001146157	FAM189A	family with sequence similarity 25	-3.506215698	-1.73742838	4.168689	1.137111	2.24473	1.30878272	0.50527715	0.88680889	58	22	41
11077	NM_007031	HSF2BP	heat shock transcription factor 2	-1.125743791	-1.73855299	1.030261	0.908892	0.554856	1.54118428	1.43116693	1.06873498	75	89	53
5552	NM_001321053,NM_001321054	SRGN	serglycin	-7.701598256	-1.738666339	2.333797	0.299038	1.251306	1.98354948	0.46599441	1.43197761	116	20	82
6419	NM_001243723,NM_001276325	SETMAR	SET domain and mariner transpo	1.387092201	-1.738773172	3.174829	4.596291	2.04098	2.82529613	3.23956766	2.16988427	239	443	169
7587	NM_001007094,NM_001178101	ZNF37A	zinc finger protein 37A	-1.111403993	-1.739004706	5.312359	4.532235	2.979637	4.97092545	4.82364393	4.20617012	1192	1433	843
137682	NM_001330582,NM_152416	NDUFAF6	NADH:ubiquinone oxidoreductas	-1.027169392	-1.739428616	5.612127	5.471767	3.03348	3.44734922	3.41225421	2.74309688	389	506	275
29842	NM_014553	TFCP2L1	transcription factor CP2 like 1	-2.73414868	-1.739632074	1.469394	0.536581	0.793108	3.8375314	2.55119137	3.11132089	522	255	369
3710	NM_002224	ITPR3	inositol 1,4,5-trisphosphate recep	-1.306905374	-1.74007628	39.266022	30.077333	21.204344	8.43571555	8.05083553	7.63963644	13555	13858	9581
1468	NM_001270888,NM_001270953	SLC25A10	solute carrier family 25 member	1.027246615	-1.741966994	25.95562	26.592984	13.951129	5.67960666	5.71764449	4.89956551	1973	2708	1393
57176	NM_001167733,NM_001167734	VARS2	valyl-tRNA synthetase 2, mitochc	-1.368826855	-1.742314597	11.207036	8.197762	6.119943	5.33641922	4.8965536	4.56160497	1547	1510	1092
23036	NM_001351444,NM_015021	ZNF292	zinc finger protein 292	1.05470767	-1.742362221	6.656258	7.030184	3.584729	6.34174803	6.41767079	5.55381089	3145	4432	2220
3221	NM_014620,NM_153633	HOXC4	homeobox C4	-2.123609888	-1.74241059	1.190872	0.558691	0.636926	1.57857476	0.95166931	1.09694451	78	49	55
51554	NM_016557,NM_178445	ACKR4	atypical chemokine receptor 4	-1.334351717	-1.74241484	0.281151	0.214936	0.147183	0.7550755	0.59904473	0.47868902	27	27	19
105369739	NR_135028	LINC02450	long intergenic non-protein codin	1.565658946	-1.742425783	0.239693	0.406026	0.119965	0.3273552	0.48576948	0.19530369	10	21	7
101927040	NR_110954	LOC101927040	uncharacterized LOC101927040	2.528321798	-1.742425783	0.116888	0.306802	0.056624	0.3273552	0.72085408	0.19530369	10	34	7
4163	NM_001085377,NM_002387	MCC	mutated in colorectal cancers	-1.339887047	-1.742832135	1.032837	0.77162	0.554064	3.2834166	2.91067539	2.58776159	343	342	242
3396	NM_001303265,NM_001545	MRPL58	mitochondrial ribosomal protein L	-1.207137166	-1.742915505	83.279033	69.030418	44.877008	6.20846367	5.94089851	5.42134148	2864	3170	2021
54841	NM_001159596,NM_017693	BIVM	basic, immunoglobulin-like variat	-1.602670034	-1.743332891	7.698322	4.711047	4.086564	4.85888706	4.20798559	4.09342686	1100	917	776
55192	NM_018163	DNAJC17	DnaJ heat shock protein family (I	-1.351376956	-1.74368942	20.382881	15.106445	10.978305	4.40762874	3.99682365	3.65503258	794	785	560
256006	NM_001164443	ANKRD31	ankyrin repeat domain 31	1.317878656	-1.744059806	0.379577	0.502612	0.2033	1.69664266	1.98361768	1.19154816	88	155	62
26775	NR_002581	SNORA72	small nucleolar RNA, H/ACA box	-1.566636626	-1.744059806	17.242659	11.097587	9.242998	1.69664266	1.28081328	1.19154816	88	75	62
100533182	NR_039978	SEC24B-AS1	SEC24B antisense RNA 1	-1.29893075	-1.74445507	1.93482	1.480205	1.033772	1.48977343	1.25799553	1.02535867	71	73	50
28988	NM_001014436,NM_001122956	DBNL	drebrin like	1.204940906	-1.7450734	29.917637	36.08075	16.128424	6.02086843	6.28605721	5.23399405	2510	4041	1769
54739	NM_017523,NM_199139,NR_04	XAF1	XIAP associated factor 1	-1.589156723	-1.745191638	10.802168	6.876796	5.937871	5.2579245	4.61164745	4.48228657	1463	1230	1031
7334	NM_003348	UBE2N	ubiquitin conjugating enzyme E2	-1.232961759	-1.745485011	54.277298	44.068932	29.215443	7.086078	6.78641474	6.29032166	5295	5738	3731
51433	NM_001137559,NM_001330489	ANAPC5	anaphase promoting complex sul	-1.22893395	-1.746039302	38.928004	31.73307	20.921739	6.64394559	6.34982807	5.85055151	3887	4226	2738
548593	NM_001014999,NM_001014999	SLX1A	SLX1 homolog A, structure-speci	-1.457515501	-1.746253142	22.365259	15.506065	12.057461	4.70396282	4.18548887	3.94031242	984	902	693
83480	NM_001271985,NM_031307	PUS3	pseudouridylate synthase 3	-1.801328344	-1.746426524	7.963305	3.98074	4.061756	3.79844995	3.02995795	3.06922486	507	376	357
349152	NR_003561,NR_027768	DPY19L2P2	DPY19L2 pseudogene 2	1.133481861	-1.746646316	1.381672	1.478986	0.762931	2.64317467	2.79655578	2.0010274	206	312	145
653479	NR_033934	MRPL45P2	mitochondrial ribosomal protein L	-1.175518864	-1.747463747	8.081558	6.888219	4.34105	3.58538547	3.37297385	2.86703245	432	491	304
11224	NM_007209	RPL35	ribosomal protein L35	-1.239422225	-1.747731058	2158.384277	1743.371094	1160.496704	9.91838547	9.60907366	9.11401344	37952	40913	26708
25885	NM_015425	POLR1A	RNA polymerase I subunit A	1.399588704	-1.748101999	6.046826	8.476535	3.249786	5.6774542	6.15440836	4.8925416	1970	3684	1386
23390	NM_015336	ZDHHC17	zinc finger DHHC-type containing	-1.261304147	-1.748376857	17.932119	14.232711	9.639451	6.39773442	6.06727022	5.60443065	3271	3465	2301
23686	NM_144546	UBBP4	ubiquitin B pseudogene 4	-1.335102896	-1.748598036	0.825173	0.625261	0.449358	1.13562816	0.92294555	0.75138414	47	47	33
202052	NM_152686	DNAJC18	DnaJ heat shock protein family (I	1.123691962	-1.74870618	1.77833	2.001617	0.955461	3.29843463	3.45049336	2.59766727	347	521	244
9134	NM_057749	CCNE2	cyclin E2	-1.045738848	-1.748755415	10.575596	10.121256	5.679468	4.86141753	4.79915696	4.09167557	1102	1408	775
4869	NM_001037738,NM_002520,NM	NPM1	nucleophosmin	1.004924385	-1.749197595	1641.070495	1642.689415	875.141643	11.14287559	11.14995942	10.33665888	88736	119146	62394
57165	NM_020435	GJC2	gap junction protein gamma 2	1.159221441	-1.749666782	0.219642	0.252585	0.114869	0.59399636	0.669904	0.36729312	20	31	14
100507283	NR_103862	LOC100507283	uncharacterized LOC100507283	-1.664217127	-1.749666782	0.175578	0.103794	0.092434	0.59399636	0.38406669	0.36729312	20	16	14

251	NM_031313	ALPPL2	alkaline phosphatase, placental li	-2.719414598	-1.74976225	9.563148	3.513538	5.131237	4.59870169	3.25405394	3.83538509	912	448	641
100507670	NR_135595	LOC100507670	uncharacterized LOC100507670	-1.609082205	-1.750158768	3.929064	2.449033	2.11426	1.76310734	1.31437719	1.24294651	94	78	66
841	NM_001080124,NM_001080125	CASP8	caspase 8	1.250055763	-1.750308819	32.02174	39.344015	16.898013	6.4360106	6.75467519	5.64081394	3360	5612	2361
10634	NM_001278730,NM_006478,NM	GAS2L1	growth arrest specific 2 like 1	-2.244479015	-1.750736651	6.049046	2.895119	3.7007	3.97474042	2.91797176	3.23388481	578	344	406
400999	NR_033871	FLJ42351	uncharacterized LOC400999	-2.179306701	-1.751108402	3.375356	1.540143	1.793453	1.43646263	0.83317479	0.98063768	67	41	47
26278	NM_001278055,NM_014363	SACS	sacsin molecular chaperone	-1.106712386	-1.751481187	0.64413	0.581888	0.344051	3.43720745	3.30503223	2.72513523	386	466	271
9749	NM_001100164,NM_001100165	PHACTR2	phosphatase and actin regulator	-1.384916226	-1.751751663	1.25639	0.887979	0.664172	3.64828273	3.22198991	2.92325564	453	437	318
114796	NR_021487,NR_027328,NR_02	PSMG3-AS1	PSMG3 antisense RNA 1 (head	1.215561655	-1.752083337	1.052787	1.02841	0.60015	2.48807034	2.72348335	1.86000215	181	294	127
79005	NM_001204856,NM_024041,NR	SCNM1	sodium channel modifier 1	1.126166102	-1.752741736	10.841158	12.236682	5.802543	4.49821892	4.66248855	3.73574288	848	1276	595
388962	NM_001035505,NM_212552	BOLA3	bolA family member 3	-1.113255823	-1.753077632	53.536258	48.231433	28.902278	4.87023937	4.72101485	4.09692309	1109	1331	778
10069	NM_001320724,NM_016940	RWDD2B	RWD domain containing 2B	1.126285751	-1.753147846	16.97957	18.938827	9.056492	4.89515141	5.06129275	4.12116227	1129	1699	792
283932	NR_024348	FBXL19-AS1	FBXL19 antisense RNA 1 (head	1.248138813	-1.753190719	1.971089	2.461138	1.057289	3.10272366	3.38881456	2.41366048	298	497	209
100506054	NR_038429,NR_038430,NR_03	RNASEH1-AS1	RNASEH1 antisense RNA 1	1.260134799	-1.753318577	3.419395	4.394643	1.865543	2.44147625	2.71931318	1.81825156	174	293	122
29896	NM_001282757,NM_001282758	TRA2A	transformer 2 alpha homolog	-1.529864198	-1.755193045	88.533552	59.387628	48.096765	7.45094454	6.84189146	6.64551066	6830	5965	4786
132158	NM_001144951,NM_145262,NR	GLYCTK	glycerate kinase	-1.646008803	-1.755397067	0.806103	0.432273	0.371578	1.7191395	1.25799553	1.20457043	90	73	63
79962	NM_001304944,NM_024902	DNAJC22	DnaJ heat shock protein family (H	-1.422249341	-1.755432666	1.463279	1.030367	0.781446	2.86618866	2.43901707	2.19620105	247	232	173
102723354	NR_110546	LINC02298	long intergenic non-protein codin	-2.962923712	-1.755562077	2.893502	0.958955	1.541321	1.82664439	0.89363826	1.29257653	100	45	70
54970	NM_001318533,NM_001352037	TTC12	tetratricopeptide repeat domain 1	1.040686012	-1.755706424	5.184928	5.378756	2.792372	3.73639016	3.78969848	3.00368412	484	673	339
645811	NM_001143980	CCDC154	coiled-coil domain containing 154	-1.771281885	-1.755905021	1.541044	0.872499	0.828503	2.10810423	1.52015496	1.52834475	130	98	91
4256	NM_000900,NM_001190839	MGP	matrix Gla protein	-1.158422125	-1.756553653	4.218456	3.645719	2.254598	3.11125378	2.92523142	2.41925694	300	346	210
26108	NM_001330326,NM_015617	PYGO1	pygopus family PHD finger 1	-1.939492525	-1.757606974	0.619764	0.316118	0.329743	2.50111114	1.76638114	1.86820921	183	126	128
401505	NM_001001790,NM_001134484	TOMM5	translocase of outer mitochondria	-1.154694555	-1.757952284	110.101736	95.199146	58.693192	6.35572529	6.15092915	5.55508238	3176	3675	2222
2542	NM_001164277,NM_001164278	SLC37A4	solute carrier family 37 member 4	-2.552654259	-1.758110813	19.390937	7.910985	11.13762	5.51337462	4.20947297	4.72302988	1754	918	1227
340390	NM_001316309	WDR97	WD repeat domain 97	-1.002089359	-1.758145264	0.48178	0.483108	0.256961	1.75224037	1.75012126	1.23026757	93	124	65
1933	NM_001037663,NM_001959,NM	EEF1B2	eukaryotic translation elongation	-1.051934178	-1.758183478	419.313861	395.723412	231.828014	8.698586 15	8.625721 56	7.88712339	16272	20668	11383
6936	NM_001201334,NM_001201335	GCFC2	GC-rich sequence DNA-binding f	-1.041012769	-1.759105614	8.692818	8.441515	5.315083	4.92085417	4.86481307	4.14161942	1150	1476	804
5704	NM_006503,NM_153001	PSMC4	proteasome 26S subunit, ATPase	-1.338194276	-1.759163567	114.568045	85.666231	61.234782	7.74328328	7.3252648	6.93348158	8373	8360	5854
100616668	NR_038258,NR_038259	TPTE2P5	transmembrane phosphoinositide	1.110951953	-1.760132635	0.195738	0.217569	0.104824	0.88013425	0.95166931	0.56199967	33	49	23
100125556	NR_024250,NR_024251	FAM86JP	family with sequence similarity 86	1.629328577	-1.76062666	2.161538	3.655583	1.191619	2.40724866	3.00276575	1.76395874	169	368	118
51642	NM_001318498,NM_001318499	MRPL48	mitochondrial ribosomal protein L	-1.051062233	-1.760844515	25.799482	24.597313	13.849403	4.66248513	4.59353508	3.88880246	955	1214	667
55205	NM_001318726,NM_001318727	ZNF532	zinc finger protein 532	-1.038421708	-1.761292057	5.536369	5.003871	2.87004	5.12313239	5.07032524	4.33758531	1329	1710	928
55163	NM_018129	PNPO	pyridoxamine 5'-phosphate oxida	-1.299392526	-1.761496714	27.514931	21.197769	14.679821	6.55216475	6.17891036	5.74698953	3645	3748	2545
440348	NM_001306094	NPIPB15	nuclear pore complex interacting	-1.474431905	-1.761517062	48.20927	32.721806	25.719332	6.04778035	5.49790253	5.24742715	2558	2318	1786
203238	NM_001348002,NM_173550	CCDC171	coiled-coil domain containing 171	1.009237536	-1.762404391	0.253442	0.254643	0.135265	1.42282133	1.43116693	0.96541723	66	89	46
23529	NM_001166212,NM_013246	CLCF1	cardiotrophin like cytokine factor	-1.150921659	-1.762452491	50.874796	44.281609	26.993768	6.51889098	6.31846728	5.71321819	3561	4134	2485
27148	NM_001243313,NM_015690	STK36	serine/threonine kinase 36	1.283160266	-1.763286313	11.914556	15.293225	6.363544	5.85808894	6.21230621	5.05862945	2238	3837	1561
10302	NM_001329613,NM_001329614	SNAPC5	small nuclear RNA activating com	-1.281341168	-1.76382553	15.354022	11.936473	8.156436	4.41108736	4.07233457	3.64312491	796	830	555
92822	NM_001113525,NM_152287,NR	ZNF276	zinc finger protein 276	-1.212159769	-1.764343433	26.556179	23.239662	15.075543	6.89861102	6.62358726	6.08866608	4645	5120	3238
6182	NM_002949	MRPL12	mitochondrial ribosomal protein L	-1.029603534	-1.764591613	160.594238	156.147171	85.510635	7.31931512	7.27749287	6.50685138	6231	8086	4343
728741	NM_001282524	NPIPB6	nuclear pore complex interacting	1.755436466	-1.764736705	0.84936	1.498124	0.449864	1.11880553	1.61299082	0.73352601	46	108	32
284716	NM_173642	RIMKLA	ribosomal modification protein rim	4.462106908	-1.764854848	0.029703	0.14356	0.016983	0.41264541	1.31437719	0.24657076	13	78	9
101928000	NR_135657,NR_135658	LOC101928000	uncharacterized LOC101928000	1.492812108	-1.764854848	0.662932	1.014534	0.350905	0.41264541	0.58077243	0.24657076	13	26	9
653404	NM_001085476	FOXD4L6	forkhead box D4-like 6	-1.084841227	-1.764854848	0.120006	0.112865	0.06147	0.41264541	0.38406669	0.24657076	13	16	9
10849	NM_001297590,NM_012099	CD3EAP	CD3e molecule associated protei	-1.058342238	-1.76529029	13.241163	12.528516	7.042458	5.4399354	5.36006158	4.64517113	1665	2102	1160
285590	NM_001017995,NM_001308175	SH3PXD2B	SH3 and PX domains 2B	-1.381776301	-1.766392454	1.216074	0.880639	0.646387	3.35339967	2.93964205	2.63682357	362	350	252
55805	NM_018409	LRP2BP	LRP2 binding protein	1.288113981	-1.76887706	0.182266	0.232341	0.096545	0.93882015	1.12560759	0.60919771	36	62	25
83879	NM_031942,NM_145810	CDCA7	cell division cycle associated 7	1.635525389	-1.767004894	21.426447	35.210758	11.566745	5.82800183	6.52788076	5.0259897	2191	4788	1525
26268	NM_012347,NM_033480,NM_03	FBXO9	F-box protein 9	-1.063220492	-1.767479226	10.495857	9.951266	5.568842	5.60682288	5.52024734	4.80760927	1874	2355	1304
5198	NM_012393	PFAS	phosphoribosylformylglycinamidi	-1.036758987	-1.7675079	7.552419	7.291722	4.014429	5.3436769	5.29289816	4.54889714	1555	2004	1082
57539	NM_001006657,NM_020779	WDR35	WD repeat domain 35	1.293164385	-1.76767991	2.820451	3.651989	1.498147	4.32203244	4.67653783	3.55435929	746	1289	519
4882	NM_003995	NPR2	natriuretic peptide receptor 2	1.093592999	-1.76813461	5.105349	5.592736	2.711117	4.17517665	4.29742051	3.4128543	670	979	466
8669	NM_001284335,NM_001284336	EIF3J	eukaryotic translation initiation fa	1.0340893	-1.768503494	54.351595	56.320295	28.920879	7.08824005	7.13625222	6.27381286	5303	7327	3688
26469	NM_001142370,NM_014369	PTPN18	protein tyrosine phosphatase, no	-1.590153951	-1.768529532	20.137047	13.652714	10.835999	6.17833593	5.52084648	5.37097154	2804	2356	1950
339005	NR_003521	WHAMMP3	WAS protein homolog associatec	-1.250896074	-1.76856235	2.460164	1.970613	1.307596	3.26442151	2.97854475	2.55254608	338	361	235
79064	NM_001080501	TMEM223	transmembrane protein 223	1.14742121	-1.768637912	33.709694	38.725819	17.899397	4.98955224	5.18211693	4.20130594	1208	1852	840
6231	NM_001029	RPS26	ribosomal protein S26	-1.699605783	-1.769178884	660.578491	389.074371	350.86554	8.78017212	8.01725968	7.95960689	17221	13538	11972
65986	NM_001105539,NM_001277145	ZBTB10	zinc finger and BTB domain cont	1.049717664	-1.769195993	0.403982	0.424641	0.214311	2.29940604	2.35549733	1.6852207	154	216	107
145748	NM_001284417,NM_001284418	LYSMD4	LysM domain containing 4	1.588459996	-1.769291158	3.030044	4.843066	1.616948	3.18583679	3.79367035	2.47942639	318	675	221
101928103	NR_110292	LOC101928103	uncharacterized LOC101928103	1.58083602	-1.770669481	0.299471	0.476871	0.159157	0.73313634	1.03456085	0.45708734	26	55	18
6035	NM_002933,NM_198232,NM_19	RNASE1	ribonuclease A family member 1,	2.985565288	-1.770669481	0.815336	2.481512	0.436544	0.73313634	1.57657016	0.45708734	26	104	18
65998	NM_001144936	C11orf95	chromosome 11 open reading fra	1.539376245	-1.771077237	1.808222	2.787293	0.956774	3.43720745	4.01224533	2.71151569	386	794	268
51251	NM_001002009,NM_001002010	NT5C3A	5'-nucleotidase, cytosolic IIIA	-1.439785618	-1.772310276	59.383891	41.962536	31.860873	6.70439259	6.18459332	5.88997597	4055	3763	2814
79922	NM_024864	MRM1	mitochondrial rRNA methyltransfe	-1.068887835	-1.772358032	11.180222	10.472344	5.925124	4.39021014	4.29881852	3.61657686	784	980	544
79728	NM_024675	PALB2	partner and localizer of BRCA2	-1.118234737	-1.772455601	13.493269	12.084267	7.152605	5.76384974	5.60575399	4.95840765	2094	2502	1453
5718	NM_001316341,NM_002816,NM	PSMD12	proteasome 26S subunit, non-AT	-1.204027851	-1.772536724	71.496281	59.438591	37.831261	8.26536943	7.99845437	7.44316123	12041	13362	8355
2974	NR_003923	GUCY1B2	guanylate cyclase 1 soluble subu	1.625272063	-1.772569267	1.604123	2.614924	0.851742	2.52045395	3.12128662	1.87636985	186	404	129
54453	NM_001242581,NM_018993	RIN2	Ras and Rab interactor 2	1.160235821	-1.77300461	4.735136	5.637856	2.659141	4.44522507	4.65049289	3.66919325	816	1265	566
59345	NM_021629	GNB4	G protein subunit beta 4	1.231342535	-1.773500154	2.03019	2.501816	1.07557	3.77716539	4.05754526	3.02952715	499	821	346
90203	NM_001042632,NM_001042633	SNX21	sorting nexin family member 21	1.295589143	-1.773542364	5.232584	6.791082	2.770394	4.10430518	4.45870114	3.34096163	636	1101	441
3113	NM_001242524,NM_001242525	HLA-DPA1	major histocompatibility complex,	1.079822974	-1.774063978	2.172029	2.277951	1.146805	2.19091668	2.278228	1.58918956	140	202	97
91544	NM_001077262,NM_145345,NM	UBXN11	UBX domain protein 11	1.422048987	-1.774418329	18.598552	26.168333	9.452622	5.04959013	5.54461018	4.25549579	1261	2396	874
26156	NM_015659	RSL1D1	ribosomal L1 domain containing	1.16223901	-1.775237501	38.954643	45.329639	20.619822	7.61307162	7.82895219	6.79074481	7647	11875	5298
100529067	NR_037673	SERF2-C15ORF63	SERF2-C15orf63 readthrough	-6.928927055	-1.775307388	29.331087	4.232674	15.527654	5.69316485	3.05664709	4.88649377	1992	384	1380
4201	NM_001318942,NM_001318943	MEA1	male-enhanced antigen 1	-1.863080183	-1.775367382	42.168385	22.539553	22.063733	5.52139737	4.65049289	4.71736241	1764	1265	1222
54504	NM_001348052,NM_001348054	CPVL	carboxypeptidase, vitellogenic lik	-3.201890099	-1.775678358	26.436753	8.281537	14.188362	5.80583878	4.18246262	4.99727909	2157	900	1494
140831	NM_080752,NM_037628	ZSWIM3	zinc finger SWIM-type containing	1.340402209	-1.775724279	1.67658	2.26142	0.87938	2.49460548	2.85093665	1.85174813	182	326	126
9533	NM_001318876,NM_203290	POLR1C	RNA polymerase I subunit C	-1.134901252	-1.776782005	22.414934	19.60549	11.757566	4.92085417	4.7448025	4.1280136	1150	1354	796
1123	NM_001025201,NM_001206602	CHN1	chimerin 1	-1.439683559	-1.777348766	0.553945	0.390782	0.295566	1.26358189	0.97983233	0.83750224	55	51	38
79050	NM_024078	NOC4L	nucleolar complex associated 4 h	-1.235621772	-1.777762305	26.333597	21.345364	13.921862	5.46877296	5.16918099	4.66179103	1697	1835	1174
246329	NM_001286256,NM_001286257	STAC3	SH3 and cysteine rich domain 3	-1.784040508	-1.777945503	3.115978	1.567864	1.597113	2.44822539	1.80624674	1.80975447	175	131	121
197335	NM_145294	WDR90	WD repeat domain 90	1.376535116	-1.779000427	21.611458	29.785484	11.416632	6.87782684	7.33551799	6.05625745	4578	8420	3165
55231	NM_018219	CCDC87	coiled-coil domain containing 87	2.608760481	-1.779228862	0.143151	0.374635	0.06857	0.49317359	1.04792463	0.29607837	16	56	11
80759	NM_001251874,NM_030568,NR	KHDC1	KH homology domain containing	1.076624306	-1.779341635	5.429423	5.943237	2.858515	3.1155	3.21015128	2.40804223	301	433	208
116931	NM_053002	MED12L	mediator complex subunit 12 like	2.769702469	-1.779956291	0.175932	0.492475	0.092772	1.48977343	2.58825016	1.01060517	71	263	49
9122	NM_001201546,NM_001201547	SLC16A4	solute carrier family 16 member 4	-1.211130216	-1.780414854	3.276796	2.716311	1.721475	3.19389071	2.95035633	2.47942639	320	353	221
9172	NM_003970	MYOM2	myomesin 2	1.560355205	-1.780714871	0.301129	0.469755	0.159318	1.30878272	1.72538257	0.87055986	58	121	40
8543	NM_006769	LMO4	LIM domain only 4	1.007674191	-1.780905587	6.673831	6.733872	3.522325	5.17592889	5.18665501	4.37406362	1380	1858	953
64976	NM_001318151,NM_001318152	MRPL40	mitochondrial ribosomal protein L	-1.044982233	-1.781462679	33.187926	33.27326	16.773111	5.33641922	5.27454172	4.53091599	1547	1978	1068
79963	NR_002451	ABCA11P	ATP binding cassette subfamily A	-1.147672287	-1.781549924	11.086832	9.680506	5.845595	4.42483953	4.2359869	3.64312491	804	936	555
10561	NM_006417,NR_135640,NR_13	IFI44	interferon induced protein 44	-1.677381689	-1.782048069	62.643407	37.207115	32.951242	6.67987185	5.94313528	5.85726705	3986	3175	2751
92999	NM_145166	ZBTB47	zinc finger and BTB domain cont	1.087726014	-1.782680021	2.185399	2.381944	1.153174	3.67154031	3.78372009	2.92325564	461	670	318
140876	NM_001290268,NM_080829,NR	RIPOR3	RIPOR family member 3	-5.694276231	-1.783647095	0.507684	0.088283	0.27009	1.7191395	0.48576948	1.19154816	90	21	62
55856	NM_001160094,NM_018473	ACOT13	acyl-CoA thioesterase 13	-1.699928381	-1.783888914	9.665575	5.705062	5.107018	5.31442454	4.57403823	4.50746311	1523	1197	1050
2868	NM_001004056,NM_001004057	GRK4	G protein-coupled receptor kinas	-1.154966421	-1.784082405	0.381158	0.33485	0.18995	0.86002952	0.77006602	0.54161868	32	37	22
150759	NR_103734	LINC00342	long intergenic non-protein codin	1.173612985	-1.784646498	4.352443	5.11632	2.289185	3.83495865	4.05092325	3.07632672	521	817	359
10717	NM_001253852,NM_001253853	AP4B1	adaptor related protein complex 4	-1.412421151	-1.785544202	9.996633	6.866663	5.192706	5.00451141	4.52470876	4.20292915	1221	1155	841
169834	NM_001101338	ZNF883	zinc finger protein 883	-2.977103984	-1.785582959	4.161672	1.395075	2.19208	3.41326233	2.08433212	2.67922768	379	170	261
100129034	NR_027406	LOC100129034	uncharacterized LOC100129034	-1.260407546	-1.786140441	5.719471	4.542867	3.006154	5.03621379	4.71369658	4.23342827	1249	1324	860
129303	NM_001031738,NR_033179	TMEM150A	transmembrane protein 150A	1.113583249	-1.786262435	7.152614	7.976339	3.739518	3.5292011	3.67164303	2.78704637	414	616	285

105378992	NR_146624	LINC02057	long intergenic non-protein codin	-4.252339746	-1.78653192	2.588192	0.584664	1.369017	1.39514558	0.46599441	0.93448595	64	20	44
54919	NM_017802,NR_075098	DNAAF5	dynein axonemal assembly facto	-1.235725807	-1.786634989	25.274803	20.478539	13.291105	6.40988621	6.10851071	5.58588904	3299	3567	2271
80895	NM_030768	ILKAP	ILK associated serine/threonine p	1.145269722	-1.786638711	31.174522	35.747383	16.399828	5.48575866	5.67736765	4.67354624	1720	2632	1184
440173	NR_027471	LOC440173	uncharacterized LOC440173	1.645004637	-1.786725724	1.818169	3.004415	0.952215	2.19894236	2.78861701	1.58918956	141	310	97
23187	NM_001144758,NM_001144759	PHLDB1	pleckstrin homology like domain	-1.872027418	-1.787355297	8.274021	4.427463	4.134891	5.45257769	4.5763457	4.64038721	1680	1199	1156
89876	NM_001320316,NM_001320317	MAATS1	MYCBP associated and testis ex	1.602430506	-1.787433733	1.199646	1.935148	0.629656	2.63728034	3.22787299	1.97085819	205	439	141
10346	NM_001199573,NM_006074	TRIM22	tripartite motif containing 22	-1.94226908	-1.787933558	7.724504	3.982126	4.057536	4.60021751	3.69731229	3.80791592	913	628	628
26577	NM_013363	PCOLCE2	procollagen C-endopeptidase en	1.876423345	-1.788034021	4.285866	8.054943	2.250154	3.24517298	4.08048581	2.52166171	333	835	229
5775	NM_002830	PTPN4	protein tyrosine phosphatase, no	1.002227082	-1.7889995	3.721059	3.733104	1.954898	5.40046018	5.40359392	4.58793254	1619	2168	1113
201456	NM_001142958,NM_152676	FBXO15	F-box protein 15	-1.135381379	-1.789082685	0.75974	0.664518	0.398975	1.2010231	1.10017522	0.78645063	51	60	35
81030	NM_001160417,NM_001160418	ZBP1	Z-DNA binding protein 1	-2.343110192	-1.789082685	0.890679	0.219283	0.310452	1.2010231	0.63490936	0.78645063	51	29	35
391356	NM_001013663	PTRHD1	peptidyl-tRNA hydrolase domain	-1.096086666	-1.789199979	37.57412	34.331673	19.722895	4.45531083	4.32923711	3.66684277	822	1002	565
128439	NR_003239	SNHG11	small nucleolar RNA host gene 1	1.114099146	-1.78926881	14.754632	16.480074	7.75347	4.05651939	4.20351422	3.28382219	614	914	422
11103	NM_007043	KRR1	KRR1, small subunit processome	-1.213737548	-1.789529149	35.78289	29.513229	18.787172	6.88219462	6.60534286	6.05221098	4592	5055	3156
286042	NM_024361,NR_024362,NR_02	FAM86B3P	family with sequence similarity 8	1.521171678	-1.789569337	16.048133	24.385522	8.224556	4.51760029	5.10110034	3.72674411	860	1748	591
56658	NM_021253,NM_172016	TRIM39	tripartite motif containing 39	-1.294553295	-1.789997076	4.806543	3.739838	2.521256	4.14433812	3.79565219	3.36725759	655	676	450
29992	NM_013439,NM_178272,NM_17	PILRA	paired immunoglobin like type 2	-2.039683279	-1.790170265	6.885358	2.728539	2.925868	3.0281061	2.17238371	2.32103228	281	184	193
2230	NM_004109	FDX1	ferredoxin 1	-1.277642946	-1.790175721	10.329047	8.093008	5.421712	5.03285024	4.69151638	4.22706077	1246	1303	856
84948	NM_032862	TIGD5	tigger transposable element deriv	1.201976502	-1.790240478	4.294061	5.164644	2.251195	3.47073972	3.71417485	2.72964665	396	636	272
728402	NR_027338	TPI1P3	triosephosphate isomerase 1 pse	1.238869866	-1.790408566	0.062231	0.068635	0.030865	0.10623215	0.13134883	0.0585501	3	5	2
692224	NR_003136	FBXO22-AS1	FBXO22 antisense RNA 1	-1.002019576	-1.790408566	0.116791	0.139492	0.088792	0.10623215	0.10601836	0.0585501	3	4	2
574444	NR_030166	MIR491	microRNA 491	-1.937182024	-1.790408566	0.749315	0.251836	0.245023	0.10623215	0.05398282	0.0585501	3	2	2
693196	NR_030342	MIR611	microRNA 611	-1.937182024	-1.790408566	0.971198	0.482084	0.473362	0.10623215	0.05398282	0.0585501	3	2	2
100302261	NR_031731	MIR1910	microRNA 1910	1.720640609	-1.790408566	0.786781	1.569585	0.383438	0.10623215	0.18071335	0.0585501	3	7	2
100422945	NR_036220	MIR4326	microRNA 4326	-1.320831011	-1.790408566	1.106333	0.782881	0.466247	0.10623215	0.08023518	0.0585501	3	3	2
100847041	NR_049833,NR_049833_dup1	MIR3680-2	microRNA 3680-2	-1.937182024	-1.790408566	0.657977	0.373843	0.316191	0.10623215	0.05398282	0.0585501	3	2	2
102465432	NR_106781	MIR6723	microRNA 6723	-1.937182024	-1.790408566	0.881841	0.381609	0.262389	0.10623215	0.05398282	0.0585501	3	2	2
102465465	NR_106834	MIR6776	microRNA 6776	-1.002019576	-1.790408566	1.163406	1.013139	0.603774	0.10623215	0.10601836	0.0585501	3	4	2
644936	NR_004845	LOC644936	actin beta pseudogene	-1.320831011	-1.790408566	0.049197	0.038576	0.01519	0.10623215	0.08023518	0.0585501	3	3	2
100151683	NR_023343	RNU4ATAC	RNA, U4atac small nuclear (U12	1.720640609	-1.790408566	0.416428	0.925591	0.255752	0.10623215	0.18071335	0.0585501	3	7	2
100847026	NR_049803	MIR5006	microRNA 5006	-1.937182024	-1.790408566	0.478805	0.181165	0.347519	0.10623215	0.05398282	0.0585501	3	2	2
109623463	NR_145839	SNORA117	small nucleolar RNA, H/ACA box	-3.632026599	-1.790408566	0.636984	0.158429	0.34936	0.10623215	0.02724389	0.0585501	3	1	2
115557	NM_001111270,NM_001347933	ARHGEF25	Rho guanine nucleotide exchang	1.727047052	-1.790779442	1.869728	3.267714	0.976074	2.51403512	3.19220918	1.86000215	185	427	127
1510	NM_001317331,NM_001910,NM	CTSE	cathepsin E	1.805702851	-1.791382238	0.817442	1.484121	0.423477	1.47662927	2.07783221	0.99569924	70	169	48
136895	NM_138811	C7orf31	chromosome 7 open reading fran	1.271922851	-1.791382238	0.503738	0.642755	0.265626	1.47662927	1.70865125	0.99569924	70	119	48
4697	NM_002489	NDUFA4	NDUFA4, mitochondrial complex	-1.846612336	-1.792136056	60.046032	32.553421	31.483648	6.92273916	6.04786308	6.09042103	4724	3418	3242
54205	NM_018947	CYCS	cytochrome c, somatic	-1.392726601	-1.792200581	49.970879	35.919918	26.201164	8.0792653	7.60344091	7.24174078	10579	10149	7260
55967	NM_001258338,NM_018838	NDUFA12	NADH:ubiquinone oxidoreductas	-1.448531128	-1.792539499	145.927454	100.835469	76.577616	6.37577691	5.84893645	5.54743654	3221	2971	2210
563	NM_001185	AZGP1	alpha-2-glycoprotein 1, zinc-bindi	-9.765944502	-1.7925555	14.214707	1.443062	7.446338	4.21133328	1.48128072	3.42958826	688	94	472
348	NM_000041,NM_001302688,NM	APOE	apolipoprotein E	-2.376117234	-1.792619886	4.812963	2.016268	2.500071	2.75626978	1.77444288	2.07380058	226	127	155
6169	NM_000999,NM_001035258	RPL38	ribosomal protein L38	-1.627902891	-1.792746283	1920.795823	1180.626823	1006.742172	9.50642391	8.80465085	8.66581974	28515	23404	19563
51406	NM_001317724,NM_016167	NOL7	nucleolar protein 7	-1.318891475	-1.792920333	37.919231	28.792143	19.87796	5.98766551	5.59555204	5.16321914	2452	2484	1682
64288	NM_001135215,NM_001135216	ZSCAN31	zinc finger and SCAN domain co	1.046376285	-1.793562	1.040786	1.109928	0.491602	1.90722898	1.95552917	1.34055586	108	151	74
283871	NM_001042371	PGP	phosphoglycolate phosphatase	-1.015545007	-1.793616871	18.25349	17.997282	9.563869	5.8267075	5.80484733	5.00381225	2189	2880	1501
144363	NM_001001660	ETFRF1	electron transfer flavoprotein reg	-1.213875225	-1.793623811	7.315618	6.043013	3.831309	3.18583679	2.93964205	2.44326383	318	350	218
10124	NM_001037164,NM_001195396	ARL4A	ADP ribosylation factor like GTP	-1.34834157	-1.794208225	5.552939	4.120678	2.704245	4.15055879	3.74731998	3.37014999	658	652	451
80314	NM_001272004,NM_001272019	EPC1	enhancer of polycomb homolog 1	-1.066080024	-1.794487345	13.202929	12.941713	7.266267	5.30794575	5.218028	4.49294082	1516	1900	1039
9324	NM_001201362,NM_001201363	HMGN3	high mobility group nucleosomal	-1.23580555	-1.7948636	45.575781	37.776047	22.626684	5.48985314	5.19193145	4.67120285	1725	1865	1182
283870	NM_182563	BRICD5	BRICHOS domain containing 5	-1.111862756	-1.794866823	9.163519	8.256395	4.792876	3.35339967	3.21608274	2.6172769	362	435	248
27094	NM_001163677,NM_014407,NM	KCNMB3	potassium calcium-activated cha	-1.256873876	-1.795330845	9.412271	7.595716	4.88866	4.06751962	3.75955568	3.28994455	619	658	424
257236	NM_153376	CCDC96	coiled-coil domain containing 96	1.230652931	-1.795488327	0.915903	1.133624	0.48019	1.55375576	1.75827411	1.05442063	76	125	52
10056	NM_005687,NR_130154	FARSB	phenylalanyl-tRNA synthetase be	1.071179587	-1.795803135	43.765382	47.069761	22.80804	6.77017261	6.86849681	5.93599396	4246	6077	2908
112597	NR_024204,NR_024205,NR_02	CYTOR	cytoskeleton regulator RNA	1.10435808	-1.795966055	65.870595	76.031347	36.145257	5.2482889	5.38791554	4.43334413	1453	2144	995
57234	NR_111950,NR_111951,NR_11	LINC00869	long intergenic non-protein codin	6.809709021	-1.796582425	0.468162	2.352432	0.148337	0.64188297	2.27254712	0.39027104	22	201	15
102466734	NR_106841	MIR6783	microRNA 6783	1.088202878	-1.796582425	8.899853	9.60067	4.67238	0.64188297	0.68708806	0.39027104	22	32	15
105379194	NR_134244,NR_134245	LOC105379194	uncharacterized LOC105379194	-1.829753099	-1.796582425	0.970787	0.49816	0.505307	0.64188297	0.38406669	0.39027104	22	16	15
84916	NM_001318391,NM_032830	UTP4	UTP4, small subunit processome	1.305306879	-1.79779659	55.360081	72.137698	28.912558	6.93209801	7.31372863	6.09523617	4755	8293	3253
993	NM_001789,NM_201567	CDC25A	cell division cycle 25A	-1.072954204	-1.79875558	7.449903	6.951017	3.927216	4.80206342	4.7042325	3.99567625	1056	1315	722
7390	NM_000375,NM_001324036,NM	UROS	uroporphyrinogen III synthase	1.108068659	-1.798964329	10.886957	12.204746	5.56269	4.00480921	4.14408903	3.22751932	591	875	404
26770	NR_003939	SNORD79	small nucleolar RNA, C/D box 79	1.010382802	-1.799367627	96.842453	97.92424	50.357918	3.11125378	3.1244438	2.39105499	300	405	205
109625681	NR_125724	LLPH-AS1	LLPH antisense RNA 1 (head to	1.020542467	-1.800227008	1.82894	1.860944	0.946824	1.08456011	1.10017522	0.69713258	44	60	30
26804	NR_002748	SNORD45B	small nucleolar RNA, C/D box 45	-1.130220704	-1.800227008	15.880635	14.306913	8.337038	1.08456011	0.99371033	0.69713258	44	52	30
100499467	NR_036488,NR_137280,NR_13	LINC00673	long intergenic non-protein codin	1.365379439	-1.800266586	12.756119	17.537402	6.649633	4.90008261	5.53643196	4.08992214	1133	2067	774
56947	NM_001277061,NM_001277062	MFF	mitochondrial fission factor	-1.033928057	-1.801031076	40.621003	39.787144	22.518095	6.2452596	6.19776714	5.41154759	2939	3798	2007
9409	NM_004813,NM_057174	PEX16	peroxisomal biogenesis factor 16	-1.460306804	-1.801458716	13.68526	9.381881	7.157758	4.72495781	4.20351422	3.91874377	999	914	682
57088	NM_001128304,NM_001128305	PLSCR4	phospholipid scramblase 4	-1.073326394	-1.801809277	1.457722	1.375929	0.762667	2.55837852	2.47408961	1.89255394	192	239	131
6207	NM_001017	RPS13	ribosomal protein S13	-1.822379916	-1.801810682	1390.78125	763.996155	725.358093	9.48648103	8.62230581	8.63864071	28123	20619	19197
90736	NM_001166699,NM_001166700	FAM104B	family with sequence similarity 1	-1.38433348	-1.803337036	6.046846	4.36412	3.118679	3.05045588	2.64651142	2.3329413	286	276	195
105371374	NR_146503	ATP2C2-AS1	ATP2C2 antisense RNA 1	1.22381404	-1.803537054	18.098658	22.181047	9.430126	5.75094273	6.03743278	4.92142062	2075	3393	1415
23174	NM_015144	ZCCHC14	zinc finger CCHC-type containing	-1.002584985	-1.803956235	5.766634	5.759904	3.002946	5.31534771	5.31171658	4.49294082	1524	2031	1039
7562	NM_001297560,NM_001297561	ZNF708	zinc finger protein 708	-1.298011454	-1.804057303	3.390112	2.6498	1.751643	3.81159508	3.46550967	3.04046258	512	527	349
3070	NM_001289067,NM_001289068	HELLS	helicase, lymphoid-specific	-1.629798315	-1.805508148	25.709029	15.753203	13.331604	6.29898489	5.60575399	5.4612224	3052	2502	2079
29080	NM_014167,NR_033192	CCDC59	coiled-coil domain containing 59	-1.445241904	-1.805835307	46.399119	32.207993	24.169443	6.19999116	5.67736765	5.36300797	2847	2632	1939
7349	NM_003353	UCN	urocortin	-1.116371837	-1.806516816	3.989924	3.577335	2.064919	2.03825186	1.9196316	1.4430085	122	146	83
100499227	NR_034160	USP2-AS1	USP2 antisense RNA 1 (head to	-1.7762114	-1.806681869	0.630975	0.356085	0.313997	0.77668602	0.48576948	0.47868902	28	21	19
100507250	NM_038930	LOC100507250	uncharacterized LOC100507250	-1.383577046	-1.806681869	0.422915	0.297343	0.208091	0.77668602	0.59904473	0.47868902	28	27	19
387111	NM_033376	LINC00222	long intergenic non-protein codin	-2.655338383	-1.806681869	0.415614	0.149119	0.206121	0.77668602	0.3412894	0.47868902	28	14	19
14227	NM_017541	CRYGS	crystallin gamma S	-1.047528337	-1.807106153	10.32605	9.867234	5.368228	3.35699061	3.29665996	2.61239943	363	463	247
84991	NM_001145547,NM_032905	RBM17	RNA binding motif protein 17	-1.098195789	-1.807188164	47.385171	43.193976	24.637079	7.27516012	7.14093665	6.42889061	6042	7351	4112
84865	NM_032779	CCDC142	coiled-coil domain containing 142	1.710217482	-1.807869673	4.877836	8.360482	2.53716	4.4350683	5.1813592	3.6335275	810	1851	551
27434	NM_001284330,NM_001284331	POLM	DNA polymerase mu	-1.155362105	-1.808045547	8.232629	7.235565	4.282353	4.52240522	4.32375395	3.71768886	863	998	587
51018	NM_016052	RRP15	ribosomal RNA processing 15 ho	1.052239913	-1.809085579	6.474246	6.822422	3.362515	5.64404118	5.71607575	4.81187039	1924	2705	1308
730234	NR_146388	LOC730234	uncharacterized LOC730234	-1.151109623	-1.809330197	3.878623	3.376732	2.019716	1.61502061	1.48128072	1.09694451	81	94	55
80263	NM_001145635,NM_025188	TRIM45	tripartite motif containing 45	-1.145005621	-1.809646154	5.475747	4.780219	2.837079	4.32753359	4.14253265	3.52870101	749	874	509
9609	NM_001349877,NM_001349878	RAB36	RAB36, member RAS oncogene	2.919595456	-1.809886314	0.674539	1.969632	0.349042	2.14180175	3.45551618	1.52834475	134	523	91
91703	NM_080658	ACY3	aminoacylase 3	-4.097687014	-1.810298226	0.612895	0.150782	0.316585	0.83964067	0.25173066	0.52094563	31	10	21
6923	NM_007108,NM_207013	ELOB	elongin B	-1.024673903	-1.810821341	155.822046	152.158197	81.121491	7.23523144	7.20030218	6.38630822	5876	7662	3991
692099	NR_024241	FAM86DP	family with sequence similarity 8	1.891447229	-1.810873117	2.821218	5.356761	1.460362	2.98234021	3.81336732	2.26619062	271	685	184
57786	NM_001204456,NM_021163	RBAK	RB associated KRAB zinc finger	-1.631288617	-1.811767342	12.262824	7.528466	6.350625	6.30596848	5.61139072	5.46325552	3067	2512	2082
10629	NM_006473	TAF6L	TATA-box binding protein associ	-1.103226964	-1.811768169	14.940457	13.556926	7.749259	4.98955224	4.85249002	4.16845206	1208	1463	820
196294	NM_001304274,NM_144981	IMMP1L	inner mitochondrial membrane pe	-1.644120925	-1.812045114	11.824447	7.195158	6.125876	3.25675288	2.63327382	2.51644942	336	273	228
54581	NR_003654,NR_004859	SCAND2P	SCAN domain containing 2 pseu	1.003781085	-1.81226299	1.56173	1.677714	0.765807	2.90595399	2.91067539	2.19620105	255	342	173
8726	NM_001308007,NM_001330334	EED	embryonic ectoderm developmer	-1.074096736	-1.812505524	24.215029	22.453329	12.647455	5.87884514	5.77753174	5.0405875	2271	2825	1541
146705	NM_144679	TEPSIN	TEPSIN, adaptor related protein	-1.231391442	-1.812678048	25.151653	20.447975	13.034595	5.83316755	5.53870585	4.99540703	2199	2386	1492
64147	NM_001134878,NM_022342,NM	KIF9	kinesin family member 9	-1.176397135	-1.812753682	0.869584	0.75379	0.439366	2.00201503	1.82964782	1.40965954	118	134	80
23033	NM_001199942,NM_015018	DOPEY1	dopey family member 1	-1.223602845	-1.813206856	2.925164	2.392078	1.515004	4.56804599	4.29041001	3.75799726	892	974	605
144571	NR_026971,NR_137424,NR_13	A2M-AS1	A2M antisense RNA 1 (head to h	1.53919733	-1.813289399	0.383128	0.593625	0.196784	0.89996265	1.22307764	0.56199967	34	70	23
80764	NM_001008695,NM_030573	THAP7	THAP domain containing 7	1.042756345	-1.813790702	46.354105	50.17134	24.18615	5.75094273	5.81024893	4.91351156	2075	2891	1407
253982	NM_181718	ASPHD1	aspartate beta-hydroxylase doma	1.015700239	-1.814057789	30.284428	30.788795	15.676698	5.4783592	5.50033494	4.64517113	1711	2322	1160

101929767	NR_110868	LOC101929767	uncharacterized LOC101929767	1.098423684	-1.81428209	4.644144	5.10935	2.397067	2.05603457	2.16012918	1.45395569	124	182	84
9904	NM_001146698,NM_001146699	RBM19	RNA binding motif protein 19	1.108140893	-1.81487678	17.459341	19.546705	8.805459	6.16917354	6.31536245	5.32550055	2786	4125	1888
102724594	NM_001320646,NM_001320648	U2AF1L5	U2 small nuclear RNA auxiliary fa	1.011057007	-1.814957224	72.355427	73.29099	37.53549	6.14185247	6.15749397	5.29842508	2733	3692	1852
51710	NM_001164276,NM_016264	ZNF44	zinc finger protein 44	-1.241266767	-1.815139567	6.612307	5.603831	3.601628	4.2485404	3.95487459	3.44886901	707	761	479
55646	NM_001145725,NM_017816	LYAR	Ly1 antibody reactive	-1.102128923	-1.816311773	62.633316	56.881298	32.402107	6.59422814	6.45545516	5.74531961	3754	4551	2542
100874211	NR_046706	MID1IP1-AS1	MID1IP1 antisense RNA 1	2.346034781	-1.816747779	0.216596	0.525342	0.114591	0.20517559	0.44594451	0.1148164	6	19	4
285441	NR_033900,NR_033901	F11-AS1	F11 antisense RNA 1	1.97837507	-1.816747779	0.080305	0.161311	0.033184	0.20517559	0.38406669	0.1148164	6	16	4
692108	NR_003056	SNORD67	small nucleolar RNA, C/D box 67	-1.586572606	-1.816747779	1.183103	0.730843	0.577665	0.20517559	0.13134883	0.1148164	6	5	4
9363	NM_004794	RAB33A	RAB33A, member RAS oncogen	-3.807641671	-1.816747779	0.141667	0.035382	0.05412	0.20517559	0.05398282	0.1148164	6	2	4
84229	NM_001289162,NM_001289163	DRC7	dynein regulatory complex subun	-1.002055038	-1.816747779	0.05143	0.050997	0.026283	0.20517559	0.20477631	0.1148164	6	8	4
677766	NR_003023	SCARNA2	small Cajal body-specific RNA 2	-1.328298723	-1.816747779	0.34968	0.280023	0.189422	0.20517559	0.15624221	0.1148164	6	6	4
100124536	NR_003706	SNORA38B	small nucleolar RNA, H/ACA box	1.120502413	-1.816747779	1.002731	1.320301	0.487263	0.20517559	0.2284445	0.1148164	6	9	4
101928453	NR_120638	LOC101928453	uncharacterized LOC101928453	2.223481544	-1.816747779	0.12454	0.325782	0.074958	0.20517559	0.42561204	0.1148164	6	18	4
653427	NM_001126334	FOXD4L5	forkhead box D4-like 5	2.591141254	-1.816747779	0.044376	0.127798	0.021093	0.20517559	0.48576948	0.1148164	6	21	4
28968	NM_014037	SLC6A16	solute carrier family 6 member 16	1.120502413	-1.816747779	0.048357	0.057185	0.024493	0.20517559	0.2284445	0.1148164	6	9	4
100302174	NR_031707	MIR1307	microRNA 1307	-2.596168628	-1.816747779	0.942116	0.346984	0.46494	0.20517559	0.08023518	0.1148164	6	3	4
26783	NR_002449	SNORA65	small nucleolar RNA, H/ACA box	-1.200456015	-1.816932492	13.61011	11.376245	7.034309	1.48977343	1.32539385	0.99569924	71	79	48
84879	NM_001136493,NM_001287808	MFSD2A	major facilitator superfamily doma	-1.091959865	-1.81718538	2.063323	1.913473	1.034861	2.41415945	2.31185141	1.75769337	170	208	115
55615	NM_001017528,NM_001017529	PRR5	proline rich 5	-1.205902799	-1.817801469	3.350535	2.616411	1.731657	2.83562844	2.60642858	2.1294865	241	267	163
283417	NM_173812	DPY19L2	dpy-19 like 2	-1.353732548	-1.818048233	0.474764	0.350566	0.242203	1.5285023	1.25799553	1.02535867	74	73	50
10102	NM_001172695,NM_001172696	TSFM	Ts translation elongation factor, r	-1.161310235	-1.818208101	21.350648	18.416646	11.648002	5.41947445	5.20913369	4.58420075	1641	1888	1110
219855	NM_001145290,NM_198277	SLC37A2	solute carrier family 37 member 2	3.817607476	-1.818368348	9.503303	36.089714	4.918319	5.30608931	7.21166504	4.47289912	1514	7723	1024
93164	NR_002774	HTR7P1	5-hydroxytryptamine receptor 7 p	-1.115402607	-1.818986129	1.078936	0.97281	0.559352	2.49460548	2.36620557	1.8266989	182	218	123
5202	NM_012394	PFDN2	prefoldin subunit 2	-1.66581698	-1.819683303	216.341125	130.028915	111.713951	7.09012918	6.36091297	6.23507035	5310	4259	3589
3945	NM_001174097,NM_001315537	LDHB	lactate dehydrogenase B	-1.09056932	-1.820825811	580.12146	543.884065	298.066166	9.57191062	9.44700035	8.70886837	29841	36560	20157
54944	NR_120386	LINC01521	long intergenic non-protein codin	-1.26485587	-1.821601868	1.903229	1.506567	0.980261	3.19389071	2.89597101	2.45238731	320	338	216
729162	NR_146578,NR_146578_dup1,N	LOC729162	zinc finger protein 839 pseudoge	1.452734419	-1.822167007	4.940448	6.658355	1.99797	4.49984402	5.01865969	3.68554025	849	1648	573
26548	NM_001303277,NM_012278	ITGB1BP2	integrin subunit beta 1 binding pr	-1.477149987	-1.822291425	4.216916	2.862878	2.162898	2.66071453	2.20257223	1.97085819	209	189	141
107001062	NR_134500	LOC107001062	uncharacterized LOC107001062	-1.97969436	-1.822829396	2.112396	1.061561	1.081697	1.16869613	0.70406985	0.75138414	49	33	33
26771	NR_002574	SNORD102	small nucleolar RNA, C/D box 10	-1.310075969	-1.824085792	18.771938	14.32654	9.598325	1.21691895	1.00745609	0.78645063	53	53	35
805	NM_001305624,NM_001305625	CALM2	calmodulin 2	-2.513766501	-1.82423925	449.795372	187.350272	253.270931	9.62075703	8.29367011	8.75496369	30870	16408	20813
64080	NM_001287580,NM_022128	RBKS	ribokinase	1.146426745	-1.824286485	2.781765	3.028771	0.7912	2.19894236	2.35549733	1.56919173	141	216	95
100131997	NR_103833	FAM27E3	family with sequence similarity 27	-1.007069756	-1.825142446	1.748088	1.735222	0.901674	1.83696709	1.82964782	1.26797492	101	134	68
6567	NM_006517	SLC16A2	solute carrier family 16 member 2	9.955796029	-1.825921995	0.050541	0.569997	0.02877	0.29776659	1.72538257	0.16897038	9	121	6
3635	NM_001017915,NM_005541	INPP5D	inositol polyphosphate-5-phospha	3.46340288	-1.825921995	0.045099	0.156957	0.020767	0.29776659	0.84852988	0.16897038	9	42	6
27099	NR_027330	SND1-IT1	SND1 intronic transcript 1	-1.002067138	-1.825921995	0.082375	0.089294	0.041137	0.29776659	0.29720487	0.16897038	9	12	6
100132529	NR_103851,NR_103852	TAT-AS1	TAT antisense RNA 1	-1.330865817	-1.825921995	0.297777	0.251124	0.163465	0.29776659	0.2284445	0.16897038	9	9	6
105372493	NR_136535	LOC105372493	uncharacterized LOC105372493	-1.091995207	-1.825921995	1.147649	1.018416	0.535907	0.29776659	0.27464693	0.16897038	9	11	6
135656	NM_080870	DPCR1	diffuse panbronchiolitis critical re	-1.980810008	-1.825921995	0.039593	0.022249	0.022576	0.29776659	0.15624221	0.16897038	9	6	6
406896	NR_029519	MIR103A2	microRNA 103a-2	-1.494302911	-1.825921995	2.77619	1.836252	1.301597	0.29776659	0.20477631	0.16897038	9	8	6
51154	NM_016183	MRTO4	MRT4 homolog, ribosome matura	1.122462892	-1.826074737	46.424484	52.172646	23.890486	6.69697378	6.86212776	5.83963686	4034	6050	2717
51686	NM_001134939,NM_001301371	OAZ3	ornithine decarboxylase antizyme	-1.019635384	-1.826213362	1.708699	1.676015	0.921326	1.30878272	1.29208824	0.85412573	58	76	39
10212	NM_005804,NR_046366	DDX39A	DExD-box helicase 39A	-1.199496263	-1.826244228	123.42777	103.10561	63.590038	7.53695799	7.27607402	6.67446428	7252	8078	4884
92170	NM_138384	MTG1	mitochondrial ribosome associate	1.04178617	-1.826375623	16.116123	16.809473	8.288285	4.71938895	4.77625587	3.89484064	995	1385	670
10795	NM_001165881,NM_001165882	ZNF268	zinc finger protein 268	-1.200331986	-1.826711894	5.030895	4.230264	2.601484	4.87650783	4.62285328	4.04718766	1114	1240	750
84182	NM_032222	MINDY4	MINDY lysine 48 deubiquitinase	1.201900136	-1.827254539	1.575934	1.895413	0.805445	2.37926962	2.5973685	1.72191206	165	265	111
439949	NR_036502,NR_036503	PRKCQ-AS1	PRKCQ antisense RNA 1	-1.271490055	-1.827273194	2.532542	2.006154	1.309156	2.70647097	2.41858604	2.00847214	217	228	146
57162	NM_020651	PELI1	pellino E3 ubiquitin protein ligase	1.051047941	-1.827517142	7.365192	7.751373	3.785071	4.80863452	4.87796738	3.98061446	1061	1490	714
100532731	NM_001204062	COMMD3-BMI1	COMMD3-BMI1 readthrough	-1.396870349	-1.827665293	2.122288	1.520974	1.087549	3.00082115	2.58825016	2.27238811	275	263	185
6128	NM_000970,NM_001024662,NM	RPL6	ribosomal protein L6	-1.241810579	-1.827931754	1449.762603	1147.785454	738.912237	10.51926904	10.20706095	9.64988815	57580	61953	38743
340393	NM_001252402,NM_001252404	TMEM249	transmembrane protein 249	-1.42418631	-1.82794637	1.36207	0.76176	0.733556	1.39514558	1.10017522	0.91876801	64	60	43
57291	NR_024031,NR_145129,NR_145	DANCR	differentiation antagonizing non-p	-1.026898139	-1.828268767	45.648491	44.627994	23.505098	5.38735072	5.34998195	4.54506286	1604	2087	1079
343990	NM_207362	KIAA1211L	KIAA1211 like	-1.015631032	-1.828396685	4.559674	4.498297	2.344135	4.18531139	4.16417063	3.37879258	675	888	454
140739	NM_001278305,NM_001278306	UBE2F	ubiquitin conjugating enzyme E2	1.393732404	-1.828431949	13.988518	19.524196	7.188727	4.95205502	5.41781761	4.11944434	1176	2190	791
643253	NR_003110	CCT6P1	chaperonin containing TCP1 sub	-1.810362378	-1.82884149	8.580524	4.740314	4.410807	3.97940737	3.19521507	3.18215673	580	428	390
54108	NM_017444,NR_023360,NR_04	CHRAC1	chromatin accessibility complex	-1.098706885	-1.828949763	23.019152	21.10725	11.822777	5.8267075	5.69340099	4.97655154	2189	2662	1472
57130	NM_020410	ATP13A1	ATPase 13A1	-1.235853752	-1.829438723	31.709883	25.68899	16.288425	6.91057282	6.60788264	6.04905586	4684	5064	3149
84897	NM_032811,NR_016021	TBRG1	transforming growth factor beta r	-2.174772467	-1.829889241	12.947545	5.940855	6.63613	6.02086843	4.92580232	5.16738207	2510	1542	1687
9136	NM_004704	RRP9	ribosomal RNA processing 9, sm	1.12287224	-1.830263263	27.06073	30.419794	13.891718	5.4160359	5.57953754	4.57169125	1637	2456	1100
6546	NM_001112800,NM_001112801	SLC8A1	solute carrier family 8 member A	1.49247703	-1.830586827	0.050254	0.073877	0.025597	0.38477185	0.54351856	0.22116494	12	24	8
100507642	NR_108064,NR_108065	LOC100507642	uncharacterized LOC100507642	4.336116424	-1.830586827	0.121816	0.526076	0.030639	0.38477185	1.22307764	0.22116494	12	70	8
105374454	NR_146505	LOC105374454	uncharacterized LOC105374454	2.543387241	-1.830586827	0.109692	0.283816	0.056316	0.38477185	0.83317479	0.22116494	12	41	8
2191	NM_001291807,NM_004460	FAP	fibroblast activation protein alpha	3.223387965	-1.830586827	0.111524	0.357448	0.056876	0.38477185	0.99371033	0.22116494	12	52	8
64137	NM_001142505,NM_001348191	ABCG4	ATP binding cassette subfamily G	-2.264662914	-1.830586827	0.08105	0.035412	0.041645	0.38477185	0.18071335	0.22116494	12	7	8
3846	NM_005553	KRTAP5-9	keratin associated protein 5-9	-1.143779286	-1.830586827	0.264255	0.225278	0.134268	0.38477185	0.3412894	0.22116494	12	14	8
677763	NR_003000	SCARNA21	small Cajal body-specific RNA 21	-1.769274832	-1.830586827	2.107843	1.247427	1.107113	0.38477185	0.2284445	0.22116494	12	9	8
100271715	NM_001145451	ARHGEF33	Rho guanine nucleotide exchang	1.121567544	-1.830586827	0.072399	0.081744	0.033336	0.38477185	0.42561204	0.22116494	12	18	8
83858	NM_001317238,NM_031921	ATAD3B	ATPase family, AAA domain con	1.020002887	-1.832171569	41.108775	42.168145	21.115791	6.70015794	6.7284598	5.83807086	4043	5510	2714
90480	NM_052850	GADD45GIP1	GADD45G interacting protein 1	-1.402864339	-1.832498018	144.796646	103.327744	74.244202	6.76274691	6.27969931	5.89992208	4224	4023	2835
344405	NR_027258	PRORSD1P	prolyl-tRNA synthetase associate	-1.521487783	-1.833303877	4.970273	3.270432	2.552157	3.51641288	2.97505117	2.74309688	410	360	275
131909	NR_036433	FAM172BP	family with sequence similarity 17	1.344722642	-1.833411105	0.168731	0.227648	0.08675	0.46682716	0.59904473	0.27153692	15	27	10
3009	NM_005322	HIST1H1B	histone cluster 1 H1 family memb	-4.872047605	-1.833411105	0.488208	0.099249	0.252765	0.46682716	0.10601836	0.27153692	15	4	10
441502	NR_002309	RPS26P11	ribosomal protein S26 pseudoge	-2.825824255	-1.833411105	0.667728	0.218574	0.339434	0.46682716	0.18071335	0.27153692	15	7	10
353497	NM_181808	POLN	DNA polymerase nu	1.865937883	-1.835304652	0.14325	0.269974	0.072502	0.54446555	0.89363826	0.32020933	18	45	12
388960	NM_001080474	C2orf78	chromosome 2 open reading fran	-1.201072603	-1.835304652	0.151841	0.126133	0.078642	0.54446555	0.46599441	0.32020933	18	20	12
100506115	NM_001278655	SMIM25	small integral membrane protein	-4.704113901	-1.835304652	0.234151	0.041422	0.119333	0.54446555	0.13134883	0.32020933	18	5	12
221060	NM_153244	C10orf111	chromosome 10 open reading fra	1.080592835	-1.835304652	0.259778	0.239972	0.133937	0.54446555	0.58077243	0.32020933	18	26	12
55586	NM_017584	MIOX	myo-inositol oxygenase	-1.59764983	-1.835304652	0.32495	0.192365	0.157752	0.54446555	0.36283659	0.32020933	18	15	12
26819	NR_000021	SNORD32A	small nucleolar RNA, C/D box 32	-1.422163963	-1.835420301	36.588512	25.60849	18.532949	1.97422731	1.61299082	1.37552141	115	108	77
100506866	NR_038271,NR_038272	TTN-AS1	TTN antisense RNA 1	1.493052067	-1.835435776	3.485718	5.366566	1.692844	3.50351028	4.03926109	2.72964665	406	810	272
55170	NM_018137	PRMT6	protein arginine methyltransferas	1.067564256	-1.835775389	9.118961	9.746177	4.667165	4.61678723	4.7073941	3.78858771	924	1318	619
10772	NM_001191005,NM_001191006	SRSF10	serine and arginine rich splicing f	-1.092495103	-1.836374959	25.546012	23.025579	13.156793	7.08634844	6.95970057	6.21831452	5296	6477	3547
2971	NM_002097	GTF3A	general transcription factor IIIA	1.013294688	-1.83660239	49.8563	50.575592	25.511522	6.11188025	6.13066108	5.25213854	2676	3623	1792
388906	NR_036498	OGFRP1	opioid growth factor receptor pse	1.671644906	-1.836662463	0.430453	0.737673	0.219065	0.61813834	0.92294555	0.36729312	21	47	14
340547	NM_001170553,NM_182607	VSIG1	V-set and immunoglobulin domai	-1.645078408	-1.836662463	0.166652	0.102795	0.082745	0.61813834	0.40498891	0.36729312	21	17	14
642778	NM_001277323,NM_001277323	NPIPA3	nuclear pore complex interacting	1.028413376	-1.837669385	6.607653	6.805464	3.374826	3.01452812	3.05002095	2.27855908	278	382	186
101927178	NR_110415	LOC101927178	uncharacterized LOC101927178	-1.281069912	-1.837683721	0.660621	0.528813	0.345897	0.68823103	0.56226574	0.41288872	24	25	16
102465492	NR_106878	MIR6820	microRNA 6820	-1.682596604	-1.837683721	9.826144	6.006948	5.068886	0.68823103	0.44594451	0.41288872	24	19	16
79084	NM_001317062,NM_001317063	WDR77	WD repeat domain 77	1.147070263	-1.837826463	32.794684	37.62302	16.7377	6.33993461	6.53560931	5.47673694	3141	4814	2102
339229	NM_001039842,NM_001304994	OXLD1	oxidoreductase like domain conta	-1.036466953	-1.838140786	54.895367	55.108538	29.520017	6.0752898	6.02439359	5.21481417	2608	3362	1745
285440	NM_207352	CYP4V2	cytochrome P450 family 4 subfar	1.183896095	-1.838203317	4.716373	5.596255	2.412623	4.49984402	4.73347472	3.67388275	849	1343	568
27439	NM_001163079,NM_031890	CECR6	cat eye syndrome chromosome r	1.991893808	-1.838479758	0.14031	0.279585	0.071245	0.7550755	1.24644988	0.45708734	27	72	18
100500810	NR_037415	MIR3620	microRNA 3620	-1.440492791	-1.838479758	8.898572	6.097408	4.414001	0.7550755	0.56226574	0.45708734	27	25	18
51699	NM_001282150,NM_001282151	VPS29	VPS29, retromer complex compc	-1.686017807	-1.838904562	114.811786	68.197428	58.898172	6.98498172	6.23913274	6.11563079	4934	3910	3300
104355295	NR_126411	SGMS1-AS1	SGMS1 antisense RNA 1	-1.738179223	-1.839117678	0.29736	0.166905	0.150339	0.81895953	0.52452456	0.49997203	30	23	20
60493	NM_021826	FASTKD5	FAST kinase domains 5	1.147091712	-1.839481031	17.336868	19.914337	8.853884	5.62480753	5.81904452	4.76977761	1898	2909	1269
100507564	NR_038953	LOC100507564	uncharacterized LOC100507564	-1.692041776	-1.839640335	0.718727	0.420853	0.372012	0.88013425	0.58077243	0.54161868	33	26	22
56672	NM_001206646,NM_001206647	AKIP1	A-kinase interacting protein 1	-1.76562636	-1.840284404	22.459047	12.779039	12.826675	5.01818353	4.23160161	4.17508296	1233	933	824
2245	NM_004463	FGD1	FYVE, RhoGEF and PH domain	-2.729551157	-1.840445695	0.235453	0.084902	0.12027	0.99521185	0.44594451	0.62147005	39	19	26

116092	NM_052951	DNTTIP1	deoxynucleotidyltransferase term	1.202084459	-1.841026205	77.944565	93.811424	39.784409	6.62805818	6.89114901	5.75972846	3844	6174	2568
105374105	NR_146710	LINC02014	long intergenic non-protein codin	1.651340591	-1.841277842	1.060612	1.75207	0.541749	1.15225689	1.59489542	0.73352601	48	106	32
79829	NM_001300800,NM_024771	NAA40	N(alpha)-acetyltransferase 40, N	1.167303799	-1.841530648	19.744676	23.101913	10.084226	6.16712953	6.38743716	5.30297309	2782	4339	1858
144715	NM_001286531,NM_001286532	RAD9B	RAD9 checkpoint clamp compon	1.104654034	-1.842138136	0.580839	0.642713	0.306162	1.38110603	1.47139626	0.90287695	63	93	42
65220	NM_001198993,NM_001198994	NADK	NAD kinase	-1.123117745	-1.842359988	29.909735	26.684698	15.212521	6.57006607	6.40442001	5.70120895	3691	4391	2464
25946	NM_001130967,NM_001130968	ZNF385A	zinc finger protein 385A	1.021017418	-1.842596463	5.402221	5.538167	2.669116	3.71136013	3.73910482	2.91931156	475	648	317
114327	NM_001172420,NM_018100,NR	EFHC1	EF-hand domain containing 1	-1.099184905	-1.842812643	3.754477	3.416523	1.930641	4.67692288	4.54605682	3.84165053	965	1173	644
51619	NM_015983	UBE2D4	ubiquitin conjugating enzyme E2	-2.214534233	-1.842953067	3.688762	1.664799	1.878369	3.93685111	2.89966118	3.13191707	562	339	375
6830	NM_001320755,NM_003170	SUPT6H	SPT6 homolog, histone chaperor	1.115432234	-1.843241318	45.435758	50.587025	23.266868	8.16100823	8.31809081	7.28299521	11198	16689	7472
57666	NM_001142641	FBRSL1	fibrosin like 1	-1.361027651	-1.844111135	21.367231	15.714947	10.887159	6.57893411	6.13966094	5.70865502	3714	3646	2477
51166	NM_001286682,NM_001286683	AADAT	aminoadipate aminotransferase	1.050936952	-1.844444514	4.401668	4.576315	2.169962	3.42014445	3.48529134	2.64620047	381	535	254
100506211	NR_038262	MIR210HG	MIR210 host gene	4.124994898	-1.844461869	4.498309	18.577225	2.282981	3.47073972	5.41330708	2.69315397	396	2183	264
2653	NM_004483,NR_033249	GCSH	glycine cleavage system protein	-1.319745185	-1.845146908	52.220206	39.61324	26.62553	6.30503929	5.91058637	5.43659878	3065	3103	2043
284581	NR_046097	LOC284581	uncharacterized LOC284581	-1.616498505	-1.845615909	10.577735	6.549854	5.386161	4.79281331	4.13159073	3.95194263	1049	867	699
624	NM_000623	BDKRB2	bradykinin receptor B2	-1.224493654	-1.846525873	2.870046	2.348553	1.459612	3.67154031	3.40448323	2.8792661	461	503	307
26778	NR_000011	SNORA70	small nucleolar RNA, H/ACA box	-1.203773928	-1.847491486	125.077179	104.020126	63.642868	4.12551355	3.87464915	3.30815729	646	717	430
51734	NM_016332	MSRB1	methionine sulfoxide reductase B	-1.151056941	-1.847972169	15.755175	13.704021	8.001846	4.49496323	4.30161051	3.66213029	846	982	563
23363	NM_001173408,NM_001173431	OBSL1	obscurin like 1	2.076015083	-1.848052992	9.997344	19.683363	5.149054	5.20710155	6.24058837	4.35374951	1411	3914	939
283152	NM_001145018	CCDC153	coiled-coil domain containing 153	-1.544933195	-1.849735931	5.276022	3.417448	2.66628	2.30685184	1.82964782	1.64757178	155	134	103
84978	NM_001286490,NM_001286491	FRMD5	FERM domain containing 5	-1.189345744	-1.849851166	5.644732	4.996985	2.97816	4.84104841	4.60035389	3.99567625	1086	1220	722
200916	NM_001099645,NM_001320451	RPL22L1	ribosomal protein L22 like 1	1.570290299	-1.850208133	24.493288	38.747065	12.405369	5.61509368	6.2554245	4.7521471	1885	3955	1253
64170	NM_052813,NM_052814	CARD9	caspase recruitment domain fam	1.136202843	-1.850372285	1.676434	1.919546	0.85439	2.16656821	2.31185141	1.52834475	137	208	91
8190	NM_001202553,NM_006533	MIA	melanoma inhibitory activity	-10.29482965	-1.850422551	22.167815	2.23297	11.037096	3.70009475	1.11294744	2.90342651	471	61	313
23214	NM_001270940,NM_015171	XPO6	exportin 6	1.003121802	-1.85062305	48.755532	48.958944	24.487256	7.74465462	7.74913054	6.86233784	8381	11233	5570
9104	NM_001282848,NM_001282849	RGN	regucalcin	-1.017759127	-1.852848201	2.440953	3.283872	1.696447	2.67229041	2.65089709	1.96321628	211	277	140
6157	NM_000990	RPL27A	ribosomal protein L27a	-1.872186718	-1.853253771	359.848236	192.419342	182.4646	10.7401109	9.83612006	9.85076792	67111	47895	44539
908	NM_001009186,NM_001762	CCT6A	chaperonin containing TCP1 sub	-1.292371221	-1.853449174	182.077602	141.073196	92.299729	8.88501257	8.51588152	7.99739458	18522	19149	12291
26472	NM_138689	PPP1R14B	protein phosphatase 1 regulatory	-1.036822047	-1.853686096	234.406357	226.341537	118.834183	7.82187906	7.76994488	6.93689955	8844	11397	5868
54332	NM_001040875,NM_018972,NR	GDAP1	ganglioside induced differentiatio	-1.116445643	-1.853946331	7.658356	6.726804	3.818299	4.86898241	4.71579131	4.01982118	1108	1326	735
79925	NM_024867,NM_144722	SPEF2	sperm flagellar 2	-1.020401813	-1.854170891	1.230767	1.33362	0.741769	2.48807034	2.46415559	1.80120704	181	237	120
101928841	NM_001304433	LOC101928841	collagen alpha-1(II) chain-like	4.289446605	-1.856458087	0.178603	0.776046	0.090086	1.40904982	3.01982084	0.91876801	65	373	43
105374366	NR_134664,NR_134665	LINC02482	long intergenic non-protein codin	-1.021704116	-1.856458087	3.602345	3.505698	1.786197	1.40904982	1.38978355	0.91876801	65	85	43
166647	NM_145290	ADGRA3	adhesion G protein-coupled rece	-1.185463721	-1.856603933	32.634033	27.557524	16.514944	7.19090027	6.9472739	6.30664368	5697	6421	3774
84298	NM_032338	LLPH	LLP homolog, long-term synaptic	-1.293744077	-1.857413255	34.784149	26.919472	17.59277	5.40046018	5.03887932	4.53607637	1619	1672	1072
22874	NM_014935	PLEKHA6	pleckstrin homology domain cont	-1.773985365	-1.85760852	20.067907	11.323816	10.151589	7.18863495	6.36925428	6.30362097	5688	4284	3766
55691	NM_001318336,NM_001318337	FRMD4A	FERM domain containing 4A	1.137464651	-1.858109404	1.756116	2.001988	0.895275	3.72253824	3.8951276	2.91931156	479	728	317
7036	NM_001206855,NM_003227	TFR2	transferrin receptor 2	-2.229215072	-1.858497627	1.733054	0.780187	0.8783	2.55837852	1.67459501	1.86000215	192	115	127
100862671	NM_001256829	TMEM265	transmembrane protein 265	-1.551687201	-1.859185455	32.270382	20.815886	16.311499	6.06599532	5.44395692	5.18965667	2591	2231	1714
84128	NM_001303096,NM_032168	WDR75	WD repeat domain 75	-1.049741953	-1.859257871	53.878113	51.378666	27.230038	7.15525285	7.0857201	6.26917183	5557	7073	3676
87178	NM_033109	PNPT1	polyribonucleotide nucleotidyltrar	-1.094264977	-1.859619059	23.580042	21.571669	11.912275	6.7402377	6.61154362	5.85675157	4158	5077	2750
105369340	NR_135086,NR_135087	LOC105369340	uncharacterized LOC105369340	1.17111369	-1.859721447	12.861726	15.161715	6.510824	2.82529613	3.0232078	2.09493548	239	374	158
6728	NM_001204193,NM_001204194	SRP19	signal recognition particle 19	-1.141614239	-1.859823106	59.856882	52.56056	30.368279	6.45958416	6.27082215	5.57840516	3416	3998	2259
100507032	NR_037893	TMCC1-AS1	TMCC1 antisense RNA 1 (head t	1.55647924	-1.859921337	0.834472	1.305639	0.418614	1.94589385	2.44407994	1.34055586	112	233	74
101928085	NR_121674,NR_121675	ERICH6-AS1	ERICH6 antisense RNA 1	1.077579562	-1.859945077	1.869173	2.077242	0.956199	1.18495016	1.24644988	0.75138414	50	72	33
55863	NM_001193537,NM_001193538	TMEM126B	transmembrane protein 126B	-1.476542838	-1.860313159	65.374311	44.447147	33.116041	6.15841002	5.60575399	5.28008828	2765	2502	1828
100132815	NR_103741,NR_103742	IPO5P1	importin 5 pseudogene 1	1.692178813	-1.862714915	1.711823	2.891557	0.860228	3.3316643	4.03087288	2.55254608	356	805	235
400798	NR_033186	C1orf220	chromosome 1 open reading fran	1.406959983	-1.86313759	4.567675	6.434263	2.301722	3.63946355	4.09825806	2.83807727	450	846	297
619565	NR_002585	SNORA52	small nucleolar RNA, H/ACA box	-1.057208301	-1.863417595	17.74111	16.751316	8.837725	1.73025772	1.67459501	1.16514558	91	115	60
92340	NM_001164257,NM_001191029	PRR29	proline rich 29	-1.090540275	-1.863480763	1.604647	1.47111	0.80752	2.55212659	2.4491251	1.85174813	191	234	126
2571	NM_000817,NM_013445	GAD1	glutamate decarboxylase 1	-1.28754047	-1.863497284	14.533978	12.167291	7.369186	5.42204799	5.06704724	4.55272125	1644	1706	1085
2550	NM_001319053,NM_001470,NM	GABBR1	gamma-aminobutyric acid type B	-1.100524981	-1.864004896	7.638688	6.949226	3.847911	5.10081829	4.96683492	4.23818553	1308	1588	863
7294	NM_003328	TXK	TXK tyrosine kinase	1.063040452	-1.864054517	0.781134	0.834397	0.395549	1.69664266	1.75827411	1.13825079	88	125	58
79469	NR_002771	DLEU2L	deleted in lymphocytic leukemia 2	-1.408727989	-1.864732157	0.584794	0.415324	0.296318	0.97665845	0.75384785	0.60191771	38	36	25
5325	NM_001080951,NM_001080952	PLAGL1	PLAG1 like zinc finger 1	1.165996268	-1.864739827	3.075263	3.619591	1.534129	3.5292011	3.7329126	2.73414401	414	645	273
1788	NM_001320892,NM_001320893	DNMT3A	DNA methyltransferase 3 alpha	1.10359639	-1.865010527	8.352784	10.069618	4.591234	5.13049438	5.26884627	4.26640425	1336	1970	881
8504	NM_003630	PEX3	peroxisomal biogenesis factor 3	1.169333527	-1.865181814	6.425571	7.521858	3.23314	4.19737984	4.41166458	3.36435937	681	1064	449
79869	NM_001136040,NM_001142565	CPSF7	cleavage and polyadenylation sp	1.137791971	-1.865488502	52.574054	59.911855	26.487242	7.53477982	7.72007669	6.64192505	7241	11008	4774
80301	NM_001195059,NM_025201	PLEKHO2	pleckstrin homology domain cont	-1.442000783	-1.865661333	6.915289	4.808217	3.465904	4.69831216	4.19452969	3.84581243	980	908	646
339487	NM_001308135,NM_001308136	ZBTB8OS	zinc finger and BTB domain conta	-1.202301271	-1.865966736	25.870999	21.097521	12.563773	5.06613802	4.80900168	4.20292915	1276	1418	841
283663	NR_024433	LINC00926	long intergenic non-protein codin	-1.97835133	-1.866204947	1.272109	0.63892	0.639011	2.04717061	1.36863803	1.42086173	123	83	81
8915	NM_001320715,NM_003921	BCL10	B-cell CLL/lymphoma 10	1.461422307	-1.868171922	8.736235	12.793242	4.395457	4.77547559	5.3061663	3.91874377	1036	2023	682
353324	NM_181727	SPATA12	spermatogenesis associated 12	-1.937358509	-1.868484513	0.339316	0.178553	0.172479	0.86002952	0.50527715	0.52094563	32	22	21
8531	NM_001145426,NM_003651	YBX3	Y-box binding protein 3	-1.193971938	-1.8686836	145.131493	121.753056	73.079895	8.04989229	7.79517607	7.15257786	10365	11599	6822
51524	NM_001330281,NM_016464,NR	TMEM138	transmembrane protein 138	1.168138108	-1.869893334	26.362977	30.507491	13.397786	5.57016669	5.79001207	4.69331288	1826	2850	1201
25981	NM_015512	DNAH1	dynein axonemal heavy chain 1	1.318507909	-1.870770591	0.417511	0.553092	0.209973	2.66651408	3.009612	1.94780992	210	370	138
9411	NM_001328664,NM_001328665	ARHGAP29	Rho GTPase activating protein 29	-1.234863692	-1.871829612	18.550463	14.917012	9.288291	7.34734162	7.0450634	6.45057385	6354	6875	4175
89978	NM_001141972,NM_080650	DPH6	diphthamine biosynthesis 6	-1.87815819	-1.872673084	9.760515	5.211863	4.898142	4.36368147	3.51446439	3.51830855	769	547	505
9299	NR_002561	SNORD30	small nucleolar RNA, C/D box 30	1.234518631	-1.873586241	58.379978	72.265373	29.394335	2.32162912	2.56983975	1.64757178	157	259	103
57473	NM_020713	ZNF512B	zinc finger protein 512B	1.307878289	-1.873657764	19.397997	25.402138	9.73083	6.81850685	7.20273129	5.92374185	4392	7675	2883
100288332	NM_001277325,NM_001351200	NPIPA5	nuclear pore complex interacting	1.061008361	-1.874491099	33.72839	35.715812	17.133041	5.24635403	5.32960894	4.37262206	1451	2057	952
8798	NM_001282285,NM_001282286	DYRK4	dual specificity tyrosine phosphor	-1.642506616	-1.874789321	27.372662	15.438155	12.931966	4.76605286	4.08373346	3.90484845	1029	837	675
7347	NM_001270952,NM_006002	UCHL3	ubiquitin C-terminal hydrolase L3	-1.143105017	-1.875348069	36.967294	32.453533	18.426422	5.17592889	4.98865526	4.30319063	1380	1613	905
119710	NM_001276722,NM_001276723	C11orf74	chromosome 11 open reading fra	-1.380710117	-1.87631579	20.372442	14.91241	10.526114	4.25625269	3.81922435	3.4128543	711	688	466
150776	NR_026922	LOC150776	sphingomyelin phosphodiesteras	-1.036558833	-1.876893572	39.663357	38.311516	19.859377	7.20267282	7.15122785	6.30286431	5744	7404	3764
100287765	NR_038988,NR_146588,NR_14	LINC00630	long intergenic non-protein codin	1.188463971	-1.877315326	1.644337	1.894568	0.82707	3.04155747	3.2626764	2.27855908	284	451	186
101927865	NR_110283	LOC101927865	uncharacterized LOC101927865	-1.743863703	-1.877429635	3.499606	1.996811	1.738983	1.61502061	1.12560759	1.06873498	81	62	53
285755	NM_001111298,NM_001286360	PPIL6	peptidylprolyl isomerase like 6	1.008718906	-1.877831223	0.136211	0.137532	0.07058	0.66524311	0.669904	0.39027104	23	31	15
26799	NR_002743	SNORD50A	small nucleolar RNA, C/D box 50	-1.394292559	-1.877831223	7.929543	5.661828	3.79711	0.66524311	0.50527715	0.39027104	23	22	15
1244	NM_000392	ABCC2	ATP binding cassette subfamily C	-1.93169598	-1.878091241	0.649073	0.337032	0.326206	2.15835987	1.48128072	1.50747923	136	94	89
80778	NM_001286769,NM_001286770	ZNF34	zinc finger protein 34	-1.336034519	-1.878920143	5.056068	3.797261	2.521178	3.90040276	3.51446439	3.07278016	547	547	358
120534	NM_152316	ARL14EP	ADP ribosylation factor like GTPa	-1.296849921	-1.879987714	15.260435	11.784249	7.62628	5.18403815	4.82072735	4.30772367	1388	1430	908
4900	NM_001126181,NM_006176	NRGN	neurogranin	-1.314334036	-1.880567335	7.808453	5.954047	3.899161	3.36057263	3.009612	2.56774382	364	370	238
6201	NM_001011	RPS7	ribosomal protein S7	-1.07135125	-1.880807585	1556.575073	1454.515503	777.716187	10.10892495	10.00958635	9.19871965	43316	54021	28326
375775	NM_001098537,NM_152286	PNPLA7	patatin like phospholipase domai	-1.192728927	-1.880812072	1.525603	1.279465	0.763288	3.0370876	2.81621366	2.27238811	283	317	185
6427	NM_001195427,NM_003016,NR	SRSF2	serine and arginine rich splicing f	-1.063208885	-1.880910872	379.983345	370.554596	184.191347	9.77316493	9.68484379	8.86318098	34314	43122	22438
3755	NM_002237	KCNG1	potassium voltage-gated channel	-1.335632659	-1.881439339	1.14745	0.862418	0.571682	1.80577475	1.52015496	1.21747621	98	98	64
57167	NM_001318031,NM_020436	SALL4	spalt like transcription factor 4	2.700152984	-1.881569833	0.517346	1.067612	0.201741	1.50279892	2.57446443	0.98063768	72	260	47
100463487	NM_001190706	MTRNR2L9	MT-RNR2-like 9	-1.117179519	-1.881847542	2.266571	2.030826	1.121767	1.11880553	1.03456085	0.69713258	46	55	30
165055	NM_001303105,NM_001303106	CCDC138	coiled-coil domain containing 138	1.322995792	-1.882098227	6.347479	8.693853	3.247483	3.97240126	4.35365666	3.13871764	577	1020	377
5603	NM_002754,NR_072996	MAPK13	mitogen-activated protein kinase	-1.432622191	-1.882103354	25.990375	18.204071	12.988306	7.33373816	6.81893335	6.42923735	6294	5870	4113
84901	NM_032815	NFATC2IP	nuclear factor of activated T-cells	-1.049699705	-1.882217892	37.076344	35.357868	18.506962	7.13212458	7.06265757	6.2287101	5468	6960	3573
6876	NM_001001522,NM_003186	TAGLN	transgelin	-1.510540314	-1.882459865	5.805745	3.841478	2.893429	3.29469475	2.77260719	2.50596801	346	306	226
56107	NM_018921,NM_032089	PCDHGA9	protocadherin gamma subfamily	-1.112763486	-1.882843943	0.210176	0.188379	0.099071	0.59399636	0.54351856	0.34394329	20	24	13
100463486	NM_001190702	MTRNR2L8	MT-RNR2-like 8	1.121998887	-1.882843943	0.385907	0.44685	0.199054	0.59399636	0.65251278	0.34394329	20	30	13
388524	NR_003662	RPSAP58	ribosomal protein SA pseudogen	1.075596803	-1.8829898	6.937708	7.465969	3.449864	3.3677101	3.46301778	2.57277436	366	526	239
550	NM_181575,NR_126510,NR_12	AUP1	ancient ubiquitous protein 1	-1.097108194	-1.883545138	205.62571	191.150109	103.6089	8.44249163	8.30918737	7.53268998	13619	16586	8893
3985	NM_001031801,NM_005569,NM	LIMK2	LIM domain kinase 2	-1.137067004	-1.884492371	8.040812	7.064313	4.022405	4.87650783	4.69788845	4.00501064	1114	1309	727
220906	NR_033805	WAC-AS1	WAC antisense RNA 1 (head to h	-1.12947233	-1.884954065	7.417604	6.574586	3.697679	5.31627029	5.14528911	4.43334413	1525	1804	995
55299	NM_018321	BRIX1	BRX1, biogenesis of ribosomes	-1.236354905	-1.884963132	64.682281	52.378796	32.246006	6.3431066	6.04119638	5.44416735	3148	3402	2054

79897	NM_001199120,NM_001199121	RPP21	ribonuclease P/MRP subunit p21	-1.315456781	-1.886099184	44.656712	34.050834	22.344649	4.66538426	4.28759625	3.79935756	957	972	624
91624	NM_001172309,NM_144573	NEXN	nexilin F-actin binding protein	-2.707469867	-1.886917734	0.482811	0.17827	0.238898	1.38110603	0.669904	0.88680889	63	31	41
59340	NM_001143828,NM_001160166	HRH4	histamine receptor H4	-3.199931815	-1.889656905	0.115065	0.032064	0.059003	0.5190475	0.18071335	0.29607837	17	7	11
284029	NR_026951	LINC00324	long intergenic non-protein codin	-1.41591317	-1.889656905	0.211028	0.144213	0.104717	0.5190475	0.38406669	0.29607837	17	16	11
103625684	NR_125730_chr1,NR_125730_c	RNU6-2	RNA, U6 small nuclear 2	-1.50941608	-1.889656905	3.98797	2.687762	2.023844	0.5190475	0.36283659	0.29607837	17	15	11
3704	NM_001267623,NM_001324236	ITPA	inosine triphosphatase	1.260094632	-1.889801741	52.572986	66.282881	26.874398	5.94177327	6.27046593	5.04421398	2374	3997	1545
79173	NM_001345843,NM_001345844	C19orf57	chromosome 19 open reading fra	1.02391609	-1.890157637	1.466286	1.621254	0.712156	2.36507395	2.39263351	1.67590018	163	223	106
79366	NM_030763	HMGN5	high mobility group nucleosome b	-1.235051924	-1.890235524	6.609344	5.357538	3.284167	3.8780834	3.59633059	3.04408938	538	582	350
9465	NM_004842,NM_016377,NM_13	AKAP7	A-kinase anchoring protein 7	-1.662691405	-1.890381383	1.630588	0.981556	0.80814	2.50111114	1.92688293	1.79260867	183	147	119
51540	NM_016510	SCLY	selenocysteine lyase	-1.139108709	-1.890877689	8.253234	7.255518	4.102528	4.41453771	4.2359869	3.55435929	798	936	519
8301	NM_001008660,NM_001206946	PICALM	phosphatidylinositol binding clath	-1.162618951	-1.891388504	50.297781	42.852716	24.535438	7.62037333	7.40418356	6.70742979	7686	8833	4998
344887	NR_033752	NMRAL2P	NmrA like redox sensor 2, pseud	-1.017989821	-1.891420211	2.888651	2.845581	1.434481	2.83047153	2.80838262	2.08088	240	315	156
677798	NR_002952	SNORA9	small nucleolar RNA, H/ACA box	-1.008629291	-1.891641397	15.054467	14.919003	7.419153	1.56621863	1.55800914	1.02535867	77	102	50
5170	NM_001281816,NM_002613,NM	PDPK1	3-phosphoinositide dependent pr	-1.064888639	-1.89186994	12.860585	12.088998	6.387868	6.51899098	6.4292612	5.61300252	3561	4468	2315
29074	NM_001318817,NM_014161,NR	MRPL18	mitochondrial ribosomal protein L	-1.563851407	-1.892099548	82.742378	52.829434	41.086558	6.31338057	5.6784421	5.40944022	3083	2634	2004
51367	NM_015918,NM_198202	POP5	POP5 homolog, ribonuclease P/M	-1.253753317	-1.892930013	51.792105	41.339938	26.056532	5.3418659	5.02458641	4.45257508	1553	1655	1009
117854	NM_001003818,NM_001198644	TRIM6	tripartite motif containing 6	-1.372497125	-1.893583254	0.557691	0.410497	0.294171	1.5285023	1.24644988	0.99569924	74	72	48
54753	NM_017560	ZNF853	zinc finger protein 853	1.253929099	-1.895198265	0.246426	0.311996	0.122846	0.89996265	1.06116576	0.54161868	34	57	22
389362	NM_001128591,NM_001128592	PSMG4	proteasome assembly chaperone	-1.121716179	-1.896110186	24.722059	22.379731	12.589563	4.43676607	4.27912189	3.57205238	811	966	526
25989	NM_001099436,NM_001284364	ULK3	unc-51 like kinase 3	-1.270620103	-1.898998912	37.548451	29.819164	18.825379	6.69058429	6.34881611	5.77781179	4016	4223	2601
101929140	NR_120423	LOC101929140	uncharacterized LOC101929140	-2.638770474	-1.899452158	0.186884	0.061223	0.092616	0.43999062	0.18071335	0.24657076	14	7	9
102465530	NR_106941	MIR6881	microRNA 6881	-1.167609212	-1.899452158	4.65559	3.990889	2.240737	0.43999062	0.38406669	0.24657076	14	16	9
254128	NR_037856,NR_037857,NR_03	NIFK-AS1	NIFK antisense RNA 1	1.01697965	-1.899681303	2.458914	2.505513	1.207969	2.41415945	2.43393638	1.71282633	170	231	110
29081	NM_001293186,NM_001293187	METTL5	methyltransferase like 5	-1.129208047	-1.900027646	99.740198	88.819188	49.470306	6.42749724	6.25434409	5.51644141	3340	3952	2162
8741	NM_001198622,NM_001198623	TNFSF13	TNF superfamily member 13	-1.494454458	-1.900142613	6.33979	4.439944	3.29471	3.90040276	3.36765473	3.05850609	547	489	354
51582	NM_001301668,NM_015878,NM	AZIN1	antizyme inhibitor 1	-1.179291339	-1.900749352	36.916314	31.733917	18.436955	7.2902639	7.0539908	6.37195038	6106	6918	3951
129531	NM_001320417,NM_001320418	MITD1	microtubule interacting and traffic	-1.156036686	-1.901963596	55.657469	47.680698	28.069864	5.75435052	5.54931631	4.85070035	2080	2404	1345
85463	NM_033390	ZC3H12C	zinc finger CCCH-type containing	-1.127906619	-1.903571157	3.701238	3.284254	1.825926	5.03285024	4.86481307	4.14331116	1246	1476	805
6742	NM_001256510,NM_001256511	SSBP1	single stranded DNA binding prot	-1.760904084	-1.903681792	226.993651	128.197259	112.043724	7.40615172	6.59627524	6.48500342	6620	5023	4277
400508	NR_026675	CRYM-AS1	CRYM antisense RNA 1	-1.226390523	-1.904220894	0.503749	0.408367	0.248153	1.10178443	0.95166931	0.6785857	45	49	29
91316	NR_024448	GUSBP11	glucuronidase, beta pseudogene	1.170728132	-1.905271806	10.368295	12.152025	5.109835	5.1492545	5.37073612	4.25549579	1354	2118	874
1302	NM_001163771,NM_080679,NM	COL11A2	collagen type XI alpha 2 chain	1.267993917	-1.905310058	1.07604	1.549008	0.562756	2.9541672	3.25693382	2.18310266	265	449	171
5311	NM_000297	PKD2	polycystin 2, transient receptor p	1.090712999	-1.905667842	10.075925	11.005097	4.968046	5.66808957	5.79100585	4.76319139	1957	2852	1263
9942	NM_001349178,NM_001349179	XYLB	xylulokinase	1.320514011	-1.90577522	2.446176	3.047521	1.11804	3.15316384	3.51446439	2.36229074	310	547	200
4863	NM_001321307,NM_002519	NPAT	nuclear protein, coactivator of his	-1.457199631	-1.9058432	8.319412	5.71476	4.099319	5.61808953	5.08822232	4.71395121	1889	1732	1219
100130705	NM_001195150	LOC100130705	uncharacterized LOC100130705	-1.039051175	-1.906290035	0.189409	0.180722	0.092911	0.77668602	0.75384785	0.45708734	28	36	18
406886	NR_029481	MIRLET7D	microRNA let-7d	1.574861204	-1.906290035	8.401857	13.199362	4.005842	0.77668602	1.08728891	0.45708734	28	59	18
100529063	NM_001199864	BCL2L2-PABPN1	BCL2L2-PABPN1 readthrough	-1.170480751	-1.907016638	3.733091	3.190109	1.838052	3.12816418	2.92884759	2.33885915	304	347	196
10452	NM_001128916,NM_001128917	TOMM40	translocase of outer mitochondria	-1.146286811	-1.907129471	113.651669	98.863224	56.942987	7.62391723	7.42801578	6.699115	7705	8981	4969
284001	NM_001316321,NM_198082	CCDC57	coiled-coil domain containing 57	-1.253591637	-1.90730092	30.620709	24.450609	14.371769	7.14022264	6.81673931	6.21791319	5499	5861	3546
51503	NM_016403	CWC15	CWC15 spliceosome associated	-1.477990972	-1.907336077	50.691204	34.329914	24.97349	6.29898489	5.74405535	5.38390874	3052	2759	1968
2329	NM_002022	FMO4	flavin containing monooxygenase	1.400997202	-1.907441605	2.037202	2.866299	0.999497	2.48150547	2.89227137	1.76650173	180	337	116
342357	NM_001012981	ZKSCAN2	zinc finger with KRAB and SCAN	-1.114166765	-1.90755069	2.725241	2.450073	1.341029	4.31651022	4.16876542	3.44886901	743	891	479
64784	NM_001042574,NM_022769	CRTC3	CREB regulated transcription coa	-1.161571813	-1.908803399	10.474252	9.026733	5.153913	5.76992351	5.55809913	4.86101798	2103	2419	1355
51067	NM_001040436	YARS2	tyrosyl-tRNA synthetase 2	-1.287430503	-1.908902365	31.198746	24.25934	15.355289	5.69656372	5.70820636	5.15317881	2592	2690	1670
197342	NM_001257370	EME2	essential meiotic structure-specif	1.394702989	-1.909525341	9.079649	12.676276	4.457866	3.47073972	3.91349545	2.65095518	396	738	255
64759	NM_022748	TNS3	tensin 3	-1.28687643	-1.910052956	15.795881	12.288697	7.770275	6.88468457	6.52429973	5.96210866	4600	4776	2962
101928710	NR_110848,NR_110849	LINC02081	long intergenic non-protein codin	-9.56510812	-1.910537594	3.260901	0.279853	1.753068	2.77786255	0.68708806	2.02324736	230	32	148
3145	NM_000190,NM_001024382,NM	HMBS	hydroxymethylbilane synthase	-1.675655272	-1.91067431	28.831705	17.226456	14.158023	5.4297412	4.7073941	4.52573709	1653	1318	1064
64320	NM_022453	RNF25	ring finger protein 25	1.267387058	-1.910734656	26.933863	34.186829	13.251679	5.39085824	5.7254627	4.48762353	1608	2723	1035
643854	NM_001145659	CTAGE9	CTAGE family member 9	-1.634915485	-1.911341761	3.324266	2.033107	1.629351	3.22566415	2.61093762	2.42483178	328	268	211
5036	NM_006191	PA2G4	proliferation-associated 2G4	-1.325828979	-1.911574888	213.053284	160.86615	104.729256	9.09203063	8.68599471	8.1596699	21386	21552	13760
170961	NM_133475	ANKRD24	ankyrin repeat domain 24	-1.035062252	-1.911983886	4.333589	4.190627	2.128521	4.16906145	4.12214544	3.30513776	667	861	429
400410	NM_001100879,NM_001100880	ST20	suppressor of tumorigenicity 20	-1.687072804	-1.912541916	18.294625	11.321152	9.197075	4.00480921	3.31058687	3.14885876	591	468	380
441212	NR_003500	RP9P	retinitis pigmentosa 9 pseudogen	-1.995498631	-1.913260549	12.078967	6.05317	5.93202	4.02300634	3.11177339	3.16560381	599	401	385
677831	NR_002981	SNORA51	small nucleolar RNA, H/ACA box	1.618757891	-1.913481521	13.119884	21.460039	6.475346	1.43646263	1.91234364	0.91876801	67	145	43
10196	NM_001145166,NM_001145167	PRMT3	protein arginine methyltransferas	-1.328443194	-1.913671236	28.200445	21.310191	13.895696	6.24912967	5.84559241	5.32996414	2947	2964	1894
161823	NM_001012969,NM_001159280	ADAL	adenosine deaminase like	1.233265322	-1.914477772	2.932245	3.618408	1.349205	3.32800968	3.60313623	2.51644942	355	585	228
131474	NM_001098502,NM_144636	CHCHD4	coiled-coil-helix-coiled-coil-helix	-1.202693362	-1.915334925	9.149319	7.444385	4.436714	3.81681978	3.57109823	2.96976228	514	571	330
11226	NM_007210	GALNT6	polypeptide N-acetylgalactosamii	-1.796324622	-1.915503659	4.376053	2.438397	2.147596	4.34210161	3.55246622	3.46789548	757	563	486
114991	NM_001318040,NM_001318041	ZNF618	zinc finger protein 618	1.449096241	-1.915599539	3.307842	4.847114	1.620132	4.95205502	5.4727331	4.05615567	1176	2277	755
6209	NM_001018,NM_001308226	RPS15	ribosomal protein S15	-1.341242725	-1.915912451	995.773159	743.079292	488.401902	9.02561291	8.6029843	8.09010723	20422	20344	13110
26499	NM_016445	PLEK2	pleckstrin 2	-1.044315556	-1.917417091	48.940662	46.915775	23.978197	6.22918489	6.16747684	5.30750681	2906	3718	1864
112849	NM_001331158,NM_001331159	L3HYPDH	trans-L-3-hydroxyproline dehydra	-1.060007486	-1.917708119	14.679637	14.016157	6.982844	5.44416182	5.36206908	4.53478801	1670	2105	1071
642799	NM_001277324,NM_001277324	NPIPA2	nuclear pore complex interacting	1.030298321	-1.918840232	5.553833	5.716204	2.711804	2.78321062	2.8201133	2.02324736	231	318	148
196792	NM_001204364,NM_152644,NR	FAM24B	family with sequence similarity 24	-1.347336814	-1.919868965	12.37604	9.185693	6.273684	3.3316643	2.95035633	2.51644942	356	353	228
6932	NM_001134851,NM_001346425	TCF7	transcription factor 7 (T-cell spec	2.363885208	-1.920187845	0.952455	2.469939	0.509129	2.0648444	3.09255667	1.40965954	125	395	80
85459	NM_033395	CEP295	centrosomal protein 295	-1.484090681	-1.920199465	12.556926	8.469436	6.14384	6.63436017	6.07177486	5.70636801	3861	3476	2473
54619	NM_001134375,NM_001134376	CCNJ	cyclin J	-1.259831365	-1.921075515	3.982675	3.161138	1.937188	4.0871111	3.77571017	3.22112563	628	666	402
23276	NM_025010	KLHL18	kelch like family member 18	-1.012932136	-1.921082029	5.429663	5.366765	2.652646	4.6997269	4.68190518	3.80791592	981	1294	628
692212	NR_003077	SNORD99	small nucleolar RNA, C/D box 99	-1.679482184	-1.922114821	39.675777	23.764538	19.362394	2.03825186	1.51053416	1.38699077	122	97	78
595097	NR_002440	SNORD16	small nucleolar RNA, C/D box 16	-1.335456174	-1.922351279	18.659983	14.087936	9.182729	1.50279892	1.24644988	0.96541723	72	72	46
100128569	NM_001135580	C19orf71	chromosome 19 open reading fra	-1.847684683	-1.922351279	2.783316	1.500542	1.355515	1.50279892	0.99371033	0.96541723	72	52	46
2197	NM_001997	FAU	FAU, ubiquitin like and ribosomal	-1.314815237	-1.922434488	789.020508	600.740845	385.675293	8.79025059	8.39641324	7.85031041	17342	17623	11095
5587	NM_001330069,NM_001348390	PRKD1	protein kinase D1	-1.492721192	-1.922989689	0.924523	0.620019	0.449359	2.13345087	1.70865125	1.46482043	133	119	85
130612	NM_001005209,NM_001303098	TMEM198	transmembrane protein 198	1.399453806	-1.923271051	1.235798	1.757627	0.613014	1.90722898	2.278228	1.28032816	108	202	69
80746	NM_001145392,NM_001145393	TSEN2	tRNA splicing endonuclease subu	-1.129732618	-1.923511716	10.937889	9.593424	5.235682	4.50794215	4.3401413	3.62144026	854	1010	546
54558	NM_001286238,NM_001286239	SPATA6	spermatogenesis associated 6	3.187216966	-1.923658144	0.112946	0.361136	0.052479	0.64188297	1.48128072	0.36729312	22	94	14
220064	NM_153451	ORAOV1	oral cancer overexpressed 1	1.140717586	-1.923949703	17.360147	19.822611	8.472616	5.45005808	5.63593399	4.53607637	1677	2556	1072
101929145	NR_132103,NR_132104	PPP3CB-AS1	PPP3CB antisense RNA 1 (head	1.152286782	-1.924324468	2.134619	2.529198	1.036069	2.89117014	3.06980877	2.11576522	252	388	161
285943	NR_122069	HOXA-AS2	HOXA cluster antisense RNA 2	-1.548333864	-1.924561082	1.444067	0.934025	0.69284	1.30878272	0.96581954	0.82068496	58	50	37
221830	NM_001002926	TWISTNB	TWIST neighbor	-1.157264151	-1.924803803	9.696174	8.390223	4.731686	5.23858851	5.03385092	4.32869154	1443	1666	922
648987	NR_034085,NR_034086,NR_10	LOC648987	uncharacterized LOC648987	1.182027178	-1.92586066	0.709767	0.872841	0.616951	1.46336426	1.62195412	0.93448595	69	109	44
727	NM_001317163,NM_001317164	C5	complement C5	-1.153218918	-1.925932838	2.214819	2.238404	1.083626	3.70573844	3.51686905	2.85881867	473	548	302
166012	NM_152889	CHST13	carbohydrate sulfotransferase 13	-1.832210175	-1.926670801	0.474342	0.262285	0.224084	0.88013425	0.54351856	0.52094563	33	24	21
25780	NM_001139488,NM_001349975	RASGRP3	RAS guanyl releasing protein 3	-1.049641425	-1.926670801	0.175869	0.167872	0.084139	0.88013425	0.84852988	0.52094563	33	42	21
80128	NM_001256599,NM_001256600	TRIM46	tripartite motif containing 46	-1.483619975	-1.926804453	0.629842	0.421873	0.303543	1.602974	1.24644988	1.03996283	80	72	51
91893	NM_138378,NR_038364	FDXACB1	ferredoxin-fold anticodon binding	-2.767275321	-1.926874682	2.686704	0.970314	1.339845	3.17367098	1.96260273	2.36808966	315	152	201
23404	NM_001282708,NM_001282709	EXOSC2	exosome component 2	1.085227923	-1.927753705	52.394348	58.166496	26.7176	6.85324699	6.97026746	5.91782368	4500	6525	2871
29902	NM_013300	FAM216A	family with sequence similarity 21	1.022572336	-1.92796062	16.52729	16.910892	8.042874	4.67116511	4.70212092	3.77555686	961	1313	613
10534	NM_001303024,NM_006396	SSSCA1	Sjogren syndrome/scleroderma a	-1.120210754	-1.927977952	50.721592	44.889674	24.549441	5.33095191	5.17147225	4.41665393	1541	1838	983
101929736	NR_108104	LINC01372	long intergenic non-protein codin	-1.468061449	-1.928184511	2.303715	1.567852	1.107048	1.08456011	0.81765451	0.65979727	44	40	28
84172	NM_001137604,NM_001282772	POLR1B	RNA polymerase I subunit B	1.087357951	-1.928226743	9.327035	10.182308	4.571518	5.64844354	5.76696418	4.72754788	1930	2804	1231
728448	NR_003929,NR_144354,NR_14	PPIEL	peptidylprolyl isomerase E like pse	-1.33573522	-1.928909995	1.148976	0.870923	0.564408	2.05603457	1.75012126	1.39836968	124	124	79
9298	NR_002560	SNORD31	small nucleolar RNA, C/D box 31	-1.040798816	-1.929255136	82.628181	79.36544	40.226818	2.69516719	2.64651142	1.9400446	215	276	137
92667	NM_001310338,NM_001310339	MGME1	mitochondrial genome maintenar	1.283296452	-1.930312211	52.218403	66.892824	25.633799	6.9184926	7.27571909	5.98067956	4710	8076	3001
57647	NM_032656	DHX37	DEAH-box helicase 37	-1.048881425	-1.930960563	13.013108	12.419125	5.83446719	5.80681389	4.94779804	2264	2884	1442
80145	NM_001285387,NM_001285404	THOC7	THO complex 7	-1.309046059	-1.931062894	66.194847	49.066682	31.538563	6.05110931	5.66928366	5.12177381	2564	2617	1633
441549	NM_001029954	CDNF	cerebral dopamine neurotrophic f	-1.335758657	-1.931226815	2.594672	1.931999	1.257358	2.12505137	1.81408935	1.45395569	132	132	84

4666	NM_001113201,NM_001113202	NACA	nascent polypeptide-associated c	-1.467854666	-1.931490822	834.228424	549.614082	387.659751	9.8745493	9.32155707	8.92626127	36815	33511	23443
2113	NM_001143820,NM_001162422	ETS1	ETS proto-oncogene 1, transcript	-1.50413043	-1.932998958	18.545414	12.365213	9.504287	6.57585575	5.99450941	5.6390164	3706	3292	2358
4549	NR_137294	RNR1	Homo sapiens mitochondrially en	-1.352049823	-1.933061385	3175.086182	2350.956055	1543.517212	11.52657101	11.09159438	10.57613848	115784	114420	73669
79228	NM_001142350,NM_001347703	THOC6	THO complex 6	1.015169123	-1.933510139	49.804229	52.091029	24.772731	6.10335385	6.12476122	5.17153303	2660	3608	1692
84847	NR_038407	LINC00525	long intergenic non-protein codin	-1.091896736	-1.933625242	1.866576	1.714211	0.908224	1.66222564	1.57657016	1.08290869	85	104	54
105369807	NR_146529	LINC02454	long intergenic non-protein codin	-1.220266169	-1.933754405	3.165501	2.587778	1.523955	1.5285023	1.34717796	0.98063768	74	81	47
6152	NM_000986	RPL24	ribosomal protein L24	1.216623194	-1.934332244	1176.887085	1433.458496	571.72876	9.33312409	9.61560927	8.3833709	25283	41099	16076
7517	NM_001100118,NM_001100119	XRCC3	X-ray repair cross complementing	1.340472976	-1.934480859	21.796053	28.662889	10.441221	5.78466375	6.20076148	4.85689977	2125	3806	1351
158787	NM_001031745,NM_001267053	RIBC1	RIB43A domain with coiled-coils	1.54482106	-1.935215929	0.43665	0.654153	0.230548	0.81895953	1.12560759	0.47868902	30	62	19
8463	NM_001256658,NM_001256659	TEAD2	TEA domain transcription factor 2	-8.476943333	-1.935801667	1.352504	0.159131	0.645584	1.97422731	0.42561204	1.32870978	115	18	73
161835	NM_001324338,NM_152597	FSIP1	fibrous sheath interacting protein	1.68993934	-1.936634899	0.17661	0.292418	0.073951	0.56944351	0.86372326	0.32020933	19	43	12
60677	NM_001172684,NM_001172685	CELF6	CUGBP Elav-like family member	1.454915361	-1.936634899	0.14313	0.211485	0.068666	0.56944351	0.77006602	0.32020933	19	37	12
9	NM_000662,NM_001160170,NM	NAT1	N-acetyltransferase 1	-1.392909075	-1.937590144	5.684281	4.187577	2.775431	3.53555296	3.10539622	2.69315397	416	399	264
286257	NM_001329678,NM_183241,NR	C9orf142	chromosome 9 open reading fran	-1.444321502	-1.939089616	72.982243	50.933064	35.381096	5.8606208	5.34118895	4.92830565	2242	2074	1422
83439	NM_031283	TCF7L1	transcription factor 7 like 1	1.247266516	-1.939604859	1.905121	2.381049	0.918644	2.68377414	2.95745524	1.92438744	213	355	135
1565	NM_000106,NM_001025161	CYP2D6	cytochrome P450 family 2 subfar	1.056057511	-1.939729785	1.430172	1.527819	0.70356	1.7191395	1.77444288	1.12461302	90	127	57
22832	NM_001286206,NM_014895	CEP162	centrosomal protein 162	1.056721167	-1.940840767	1.78171	1.882105	0.86014	3.31698997	3.38881456	2.4901017	352	497	223
8604	NM_003705,NR_047549	SLC25A12	solute carrier family 25 member	1.086063305	-1.941041005	9.033235	9.821634	4.38647	5.17694504	5.29289816	4.2570592	1381	2004	875
9708	NM_014004,NM_032088	PCDHGA8	protocadherin gamma subfamily	-1.184729479	-1.941920353	0.058741	0.048296	0.022922	0.26755841	0.2284445	0.14214747	8	9	5
5732	NM_000956	PTGER2	prostaglandin E receptor 2	-1.763306246	-1.941920353	0.084146	0.047462	0.032265	0.26755841	0.15624221	0.14214747	8	6	5
359809	NR_144431	PEG13	paternally expressed 13	1.028713273	-1.941920353	0.037049	0.038182	0.017573	0.26755841	0.27464693	0.14214747	8	11	5
93655	NR_002332	ST7-OT3	ST7 overlapping transcript 3	-1.330220287	-1.941920353	0.201304	0.139862	0.08167	0.26755841	0.20477631	0.14214747	8	8	5
100862692	NR_046400	DIP2A-IT1	DIP2A intronic transcript 1	1.213351997	-1.941920353	0.482692	0.573716	0.196465	0.26755841	0.31941552	0.14214747	8	13	5
102465539	NR_106955	MIR6895	microRNA 6895	-1.184729479	-1.941920353	2.669924	2.06765	1.195033	0.26755841	0.2284445	0.14214747	8	9	5
102465517	NR_106917	MIR6858	microRNA 6858	-1.067926637	-1.941920353	3.003888	2.893752	1.379418	0.26755841	0.25173066	0.14214747	8	10	5
606724	NR_002454,NR_002454_dup1	LOC606724	coronin 1A pseudogene	1.305671359	-1.941920353	0.352697	0.456638	0.140023	0.26755841	0.3412894	0.14214747	8	14	5
102724064	NR_135761	LOC102724064	uncharacterized LOC102724064	1.305671359	-1.941920353	0.352138	0.454955	0.142304	0.26755841	0.3412894	0.14214747	8	14	5
646024	NR_024045	RAET1K	retinoic acid early transcript 1K p	-1.491247311	-1.941985481	0.517866	0.344605	0.251614	0.97665845	0.72085408	0.58209675	38	34	24
317781	NM_175066	DDX51	DEAD-box helicase 51	-1.321390484	-1.94215461	14.94014	11.318338	7.227425	6.1214126	5.72598242	5.18309257	2694	2724	1706
51661	NM_001135212,NM_181342	FKBP7	FK506 binding protein 7	1.138517166	-1.942870598	1.042891	1.197388	0.502326	1.9928118	2.13530335	1.34055586	117	178	74
7579	NM_145238	ZSCAN20	zinc finger and SCAN domain co	1.32498303	-1.943006392	1.888372	2.506166	0.910769	3.13236099	3.49751855	2.32103228	305	540	193
11010	NM_006851	GLIPR1	GLI pathogenesis related 1	1.40265789	-1.943038667	3.294863	4.635209	1.591992	3.76099332	4.2183652	2.89942777	493	924	312
51564	NM_001098416,NM_001308090	HDAC7	histone deacetylase 7	-1.897200266	-1.943153746	51.9312	27.617989	24.966213	7.75523855	6.83732897	6.80310481	8443	5946	5344
84277	NM_032317	DNAJC30	DnaJ heat shock protein family (H	-1.143855075	-1.943274569	4.973049	4.353754	2.400694	3.73086534	3.55246622	2.87112187	482	563	305
84674	NM_032587	CARD6	caspase recruitment domain fam	1.492538392	-1.943657341	1.178565	1.765171	0.569317	2.51403512	3.00619294	1.77525664	185	369	117
26816	NR_000018	SNORD35A	small nucleolar RNA, C/D box 35	-1.258676055	-1.94513717	49.434147	39.302532	23.886505	2.36507395	2.10365798	1.64757178	163	173	103
32	NM_001093	ACACB	acetyl-CoA carboxylase beta	-1.09388172	-1.945292141	1.583138	1.448099	0.763445	0.9320442	3.81140968	3.05850609	560	684	354
100506516	NR_108081	LINC01176	long intergenic non-protein codin	-1.679938943	-1.945554848	10.519214	6.258458	5.06197	3.05929974	2.42372099	2.2537152	288	229	182
84547	NM_001184743,NM_032507	PGBD1	piggyBac transposable element c	-1.045646041	-1.946793136	2.862187	2.738911	1.370221	3.27963753	3.22198991	2.45238731	342	437	216
7726	NM_001242783,NM_003449	TRIM26	tripartite motif containing 26	-1.273276214	-1.948769445	13.29687	10.079142	6.282814	5.50449776	5.16458753	4.57169125	1743	1829	1100
26022	NM_001033504,NM_001301746	TMEM98	transmembrane protein 98	-6.416695087	-1.949190452	5.984295	0.930252	3.008931	3.57308778	1.43116693	2.72060965	428	89	270
728411	NR_027026,NR_027027,NR_02	GUSBP1	glucuronidase, beta pseudogene	1.076525466	-1.949577561	3.925944	3.83288	2.444585	2.62541894	2.71513092	1.86820921	203	292	128
79027	NM_001009958,NM_001009960	ZNF655	zinc finger protein 655	1.736523273	-1.949611967	12.039892	19.020354	5.162725	5.01136367	5.78852012	4.08992214	1227	2847	774
10940	NM_001145860,NM_001145861	POP1	POP1 homolog, ribonuclease P/M	1.142335169	-1.949693936	6.9138	7.906233	3.339265	5.04180235	5.22833587	4.11944434	1254	1914	791
91298	NM_001009894	C12orf29	chromosome 12 open reading fra	-1.461034221	-1.94995952	11.386718	7.797896	5.487177	5.03845181	4.51150549	4.11635233	1251	1144	789
283487	NR_027701	LINC00346	long intergenic non-protein codin	1.045354492	-1.950366992	1.522165	1.591573	0.732512	3.37481244	3.43277448	2.53718654	368	514	232
7965	NM_001326606,NM_001326607	AIMP2	aminoacyl tRNA synthetase com	-1.000410951	-1.9510195	48.735927	48.921174	23.583204	5.85428279	5.853700225	4.91351156	2232	2981	1407
256364	NM_001300793,NM_001300794	EML3	echinoderm microtubule associat	-1.066541515	-1.951138509	23.376051	22.000252	11.255587	6.22624288	6.13458097	5.28008828	2900	3633	1828
27247	NM_001002755,NM_001002756	NFU1	NFU1 iron-sulfur cluster scaffold	-1.076953918	-1.951338325	31.382343	29.27214	14.986051	5.10188873	4.99815263	4.17673594	1309	1624	825
115677	NM_001039724,NM_001171631	NOSTRIN	nitric oxide synthase trafficking	-1.115427826	-1.951402016	3.648446	3.275488	1.768695	2.99161027	2.85474367	2.18966672	273	327	172
26872	NM_012449	STEAP1	STEAP family member 1	-2.334778402	-1.951510558	39.159061	16.789446	18.851942	5.67457924	4.48841131	4.73654166	1966	1125	1239
55759	NM_018256	WDR12	WD repeat domain 12	1.0290963	-1.951782507	33.470039	34.487347	16.116051	6.23602635	6.27686456	5.28928581	2920	4015	1840
8263	NM_012151,NM_012151_dup1,N	F8A1	coagulation factor VIII-associatec	1.08767377	-1.952521524	20.877901	22.736748	10.045473	5.15442263	5.27240856	4.22706077	1359	1975	856
79823	NM_024766	CAMKMT	calmodulin-lysine N-methyltransf	-1.375147528	-1.952832137	5.892054	4.294184	2.840266	3.31329794	2.90701332	2.47942639	351	341	221
63933	NM_001031713	MCUR1	mitochondrial calcium uniporter r	-1.252393047	-1.953538783	5.794036	4.631845	2.787544	4.99417161	4.68083331	4.0704925	1212	1293	763
103908605	NR_126050,NR_126050_dup1	LOC103908605	uncharacterized LOC103908605	-1.366686445	-1.953914191	2.139004	1.563802	1.018711	1.06712766	0.84852988	0.64076093	43	42	27
348254	NR_023380	CCDC144CP	coiled-coil domain containing 144	-1.42118233	-1.954731755	0.097463	0.067377	0.044784	0.49317359	0.36283659	0.27153692	16	15	10
100750225	NR_045262	PCAT1	prostate cancer associated trans	-1.017876271	-1.954731755	0.20805	0.200895	0.100144	0.49317359	0.48576948	0.27153692	16	21	10
56971	NM_001127893,NM_020219	CEACAM19	carcinoembryonic antigen relatec	-1.323105443	-1.956945469	11.865234	8.978884	5.697153	4.75384679	4.36704658	3.83538509	1020	1030	641
137994	NM_001199659,NM_001199660	LETM2	leucine zipper and EF-hand conta	-1.266406513	-1.957106633	5.588111	4.424024	2.770281	4.02526492	3.70787447	3.13871764	600	633	377
137392	NM_001283034,NM_145269,NR	FAM92A	family with sequence similarity 92	-1.074099806	-1.957128772	10.27848	9.651915	5.000927	4.38845666	4.29401001	3.44006852	783	974	492
1844	NM_004418	DUSP2	dual specificity phosphatase 2	-1.423960035	-1.957156435	2.002698	1.402065	0.951229	2.09955541	1.72538257	1.42086173	129	121	81
29121	NM_001004419,NM_001197317	CLEC2D	C-type lectin domain family 2 me	-1.742331506	-1.957275399	7.539347	4.335563	3.636655	5.32179342	4.54723362	4.38697325	1531	1174	962
101928099	NR_121566,NR_121567,NR_12	PCAT7	prostate cancer associated trans	1.204734964	-1.957679154	0.815925	0.986746	0.380054	1.32354034	1.49109792	0.82068496	59	95	37
10632	NM_006476,NR_033759	ATP5L	ATP synthase, H+ transporting, r	-2.589082189	-1.957865277	149.029848	57.620262	71.579948	7.61044146	6.24965293	6.64819403	7633	3939	4795
51135	NM_001114182,NM_001145256	IRAK4	interleukin 1 receptor associated	-1.594683279	-1.958540358	7.310048	3.983233	3.470525	4.9244889	4.27912189	3.99941726	1153	966	724
84439	NM_001127258,NM_001329411	HHIPL1	HHIP like 1	-1.281069912	-1.95908002	0.10116	0.090212	0.060709	0.68823103	0.56226574	0.39027104	24	25	15
55138	NM_001319982,NM_018088	FAM90A1	family with sequence similarity 90	-4.229415726	-1.96126904	0.327482	0.077599	0.158653	0.86002952	0.25173066	0.49997203	32	10	20
79852	NM_001142886,NM_024794	EPHX3	epoxide hydrolase 3	-20.01829194	-1.96126904	0.449658	0.019785	0.212488	0.86002952	0.05398282	0.49997203	32	2	20
55329	NM_018365	MNS1	meiosis specific nuclear structura	1.025053258	-1.961432405	7.48246	7.67994	3.577722	3.97707578	4.01053992	3.09042641	579	793	363
256329	NM_173573	LMNTD2	lamin tail domain containing 2	-1.193049171	-1.961495431	2.703801	2.261377	1.289381	2.70647097	2.49375478	1.93223726	217	243	136
1159	NM_020990,NR_135748,NR_13	CKMT1B	creatine kinase, mitochondrial 1B	-1.831936934	-1.961588637	5.633997	3.256106	2.856661	3.69442889	2.91067539	2.82548777	469	342	294
105371998	NR_136514	LOC105371998	uncharacterized LOC105371998	-1.44274563	-1.962587255	0.890967	0.608518	0.416033	1.01352966	0.77006602	0.60191771	40	37	25
79841	NM_024783	AGBL2	ATP/GTP binding protein like 2	-1.323536684	-1.963233829	1.554562	1.176646	0.742402	2.68948191	2.35549733	1.91649468	214	216	134
101927351	NR_146457	LINC02302	long intergenic non-protein codin	-2.368083617	-1.963468075	0.67692	0.284972	0.324926	1.15225689	0.59904473	0.69713258	48	27	30
11066	NM_022717,NM_180699,NR_10	SNRNP35	small nuclear ribonucleoprotein U	-1.74849872	-1.963530959	39.635576	22.502952	18.520567	5.28173566	4.50304006	4.34348418	1488	1137	932
51013	NM_001318362,NM_001318363	EXOSC1	exosome component 1	-1.529799028	-1.963789528	29.191113	18.854357	14.075692	5.08682982	4.49574422	4.15342015	1295	1131	811
56911	NM_001286617,NM_001286618	MAP3K7CL	MAP3K7 C-terminal like	-1.520822137	-1.963805454	5.955309	3.833682	2.928662	3.59757921	3.05333783	2.73414401	436	383	273
26800	NR_002744	SNORD49A	small nucleolar RNA, C/D box 49	1.029041868	-1.96409822	20.284018	21.031216	9.688914	1.27880673	1.30327576	0.78645063	56	77	35
100131539	NM_001278713	ZNF705E	zinc finger protein 705E	-1.384590026	-1.96409822	0.425155	0.304815	0.202168	1.27880673	1.02107213	0.78645063	56	54	35
64757	NM_022746	MARC1	mitochondrial amidoxime reducin	-1.129143524	-1.964219248	14.380427	12.748304	6.874878	5.01818353	4.84867703	4.08640889	1233	1459	772
100128025	NR_040250	WWTR1-AS1	WWTR1 antisense RNA 1	-1.553322075	-1.96457137	0.983767	0.627742	0.464959	1.39514558	1.03456085	0.87055986	64	55	40
9855	NM_001282983,NM_001282984	FARP2	FERM, ARH/RhoGEF and plecks	1.035598973	-1.964814169	5.99322	6.075407	2.832554	4.47527325	4.52351345	3.56196863	834	1154	522
22977	NM_012067	AKR7A3	aldo-keto reductase family 7 mer	1.047744361	-1.96523456	1.681629	1.766644	0.795734	1.602974	1.64851465	1.02535867	80	112	50
102723665	NR_135921	LOC102723665	uncharacterized LOC102723665	-1.809728974	-1.96523456	1.138735	0.628966	0.540525	1.602974	1.08728891	1.02535867	80	59	50
55665	NM_001077663,NM_001077664	URGCP	upregulator of cell proliferation	-1.520059136	-1.965235809	21.657035	14.158726	10.284152	6.42322165	5.82778681	5.46460935	3330	2927	2084
3679	NM_001144996,NM_001144997	ITGA7	integrin subunit alpha 7	1.00784862	-1.965481713	1.592418	1.598274	0.758209	2.88620833	2.89597101	2.08792485	251	338	157
349114	NR_026999	LINC00265	long intergenic non-protein codin	-1.351001786	-1.967057233	4.06736	3.015165	1.942671	4.27914521	3.87089436	3.37303661	723	715	452
146050	NM_152455	ZSCAN29	zinc finger and SCAN domain co	-1.272153715	-1.967361512	8.724583	6.86505	4.165752	5.60380352	5.26455989	4.6558773	1870	1964	1169
51434	NM_001137664,NM_016238	ANAPC7	anaphase promoting complex su	-1.349452573	-1.967921181	68.060255	51.551035	31.494676	7.54347285	7.11379111	6.57424499	7285	7213	4553
641648	NR_002598	SNORD87	small nucleolar RNA, C/D box 87	-1.507648827	-1.969104619	51.221706	33.958099	24.334332	2.26158951	1.81408935	1.5489128	149	132	93
10392	NM_006092	NOD1	nucleotide binding oligomerizatio	-1.978473812	-1.969107748	6.539773	3.305616	3.119095	4.88896361	3.95132315	3.95772276	1124	759	702
7507	NM_000380,NR_027302	XPA	XPA, DNA damage recognition a	-1.11955052	-1.969119807	13.802226	12.258201	6.478813	4.4024252	4.24761625	3.48933713	791	944	494
341	NM_001321065,NM_001321066	APOC1	apolipoprotein C1	-1.258066348	-1.97063032	9.635183	7.648276	4.563761	2.66651408	2.39263351	1.89255394	210	223	131
57129	NM_020409,NM_177988	MRPL47	mitochondrial ribosomal protein L	1.018176303	-1.971019622	82.675714	84.425893	39.417868	6.58047083	6.60618982	5.6160516	3718	5058	2320
57718	NM_001348142,NM_001348143	PPP4R4	protein phosphatase 4 regulatory	2.126201977	-1.971895511	0.483944	0.682697	0.131796	1.10178443	1.78245981	0.65979727	45	128	28
2570	NM_002043	GABRR2	gamma-aminobutyric acid type A	-1.092949377	-1.971895511	0.243212	0.224301	0.118073	1.10178443	1.03456085	0.65979727	45	55	28
284459	NM_001329761,NM_001329762	HKR1	HKR1, GLI-Kruppel zinc finger fa	-2.12739202	-1.972248412	9.861825	4.523989	4.508934	4.89515141	3.859571	3.96156336	1129	709	704
100133091	NR_029411	LOC100133091	uncharacterized LOC100133091	1.048506276	-1.972577501	2.009971	2.109505	0.954852	2.64904502	2.70672986	1.87636985	207	290	129

339778	NM_001105519,NM_001322426	C2orf70	chromosome 2 open reading fran	1.37441822	-1.972759688	1.242805	1.745907	0.567545	0.95786335	1.19932051	0.56199967	37	68	23
54517	NM_001318163,NM_001318164	PUS7	pseudouridylate synthase 7 (puta	-2.0203573	-1.973014377	10.621492	5.269715	5.042947	5.21898983	4.24326622	4.27568916	1423	941	887
3122	NM_019111	HLA-DRA	major histocompatibility complex,	1.164822104	-1.973433716	13.724562	16.011904	6.527888	4.18329013	4.39215006	3.27767373	674	1049	420
617	NM_001079866,NM_001257342	BCS1L	BCS1 homolog, ubiquinol-cytoch	1.318213807	-1.973697048	22.795446	30.084077	11.116494	5.11785073	5.50639808	4.17673594	1324	2332	825
6583	NM_003059	SLC22A4	solute carrier family 22 member 4	1.227824301	-1.973701259	1.98617	2.44312	0.943236	2.39332696	2.63769986	1.65707652	167	274	104
374654	NM_198525	KIF7	kinesin family member 7	1.747883597	-1.973754914	2.493087	4.36525	1.188308	3.59454042	4.3482657	2.72513523	435	1016	271
283011	NR_026835	FLJ37201	tigger transposable element deriv	-1.33589581	-1.974332818	1.508635	1.129861	0.715352	2.6780437	2.33383942	1.90057841	212	212	132
287	NM_001127493,NM_001148,NM	ANK2	ankyrin 2	2.080807898	-1.976050176	0.217644	0.552385	0.102646	2.01115992	2.86987209	1.34055586	119	331	74
101928913	NR_120647	LINC01515	long intergenic non-protein codin	-1.473205693	-1.976461364	0.772225	0.547194	0.365301	0.61813834	0.44594451	0.34394329	21	19	13
550631	NM_001017437,NM_001318334	CCDC157	coiled-coil domain containing 157	1.870215836	-1.97706744	3.743475	6.927966	2.203905	3.87558202	4.7324405	2.98493721	537	1342	334
51260	NM_001300888,NM_016500	PBDC1	polysaccharide biosynthesis dom	-1.070634063	-1.979264993	37.660966	35.227099	17.862857	5.48739785	5.39119595	4.53349849	1722	2149	1070
55536	NM_001127370,NM_001127371	CDCA7L	cell division cycle associated 7 lik	-1.121328847	-1.979426821	26.523346	23.600392	12.631527	6.24283552	6.07992926	5.2762386	2934	3496	1823
114907	NM_001242463,NM_058229,NM	FBXO32	F-box protein 32	1.315773308	-1.979764074	8.123074	10.573637	3.778575	5.71081263	6.1011585	4.7521471	2017	3546	1253
10039	NM_001003931,NM_005485	PARP3	poly(ADP-ribose) polymerase fan	-1.145231525	-1.97996162	11.968614	10.473944	5.67185	4.85635215	4.66790832	3.91874377	1098	1281	682
100288748	NR_034034	LOC100288748	uncharacterized LOC100288748	-1.551965717	-1.980153892	5.586512	3.60436	2.652344	3.6887407	3.11495144	2.80852903	467	402	290
414777	NR_024052,NR_024053,NR_10	HCG18	HLA complex group 18 (non-prot	1.149918661	-1.981030814	2.162229	2.495567	1.048559	4.06312959	4.25339596	3.15892909	617	948	383
89795	NM_001024383,NM_014903	NAV3	neuron navigator 3	-2.218118452	-1.981565397	1.88569	0.850855	0.893611	4.2524017	3.19220918	3.33801005	709	427	440
692195	NR_003941	SNORD75	small nucleolar RNA, C/D box 75	1.207302992	-1.981723722	5.461059	6.660022	2.440811	0.41264541	0.48576948	0.22116494	13	21	8
101929378	NR_110249,NR_110250	LINC01876	long intergenic non-protein codin	-2.850825054	-1.981723722	0.193419	0.065086	0.087945	0.41264541	0.15624221	0.22116494	13	6	8
54968	NM_001040613,NM_017866,NR	TMEM70	transmembrane protein 70	-1.422457268	-1.982051256	19.654271	13.850249	9.270649	5.3670153	4.87328317	4.41385336	1581	1485	981
24147	NM_014344	FJX1	four jointed box 1	-1.164810233	-1.982180773	13.895061	11.946872	6.587605	5.22391452	5.01015048	4.27414582	1428	1638	886
9737	NM_001099410,NM_001099411	GPRASP1	G protein-coupled receptor assoc	-1.0741079	-1.982336939	1.254487	1.169557	0.595921	3.05488459	2.96451939	2.22843599	287	357	178
400322	NR_002824	HERC2P2	hect domain and RLD 2 pseudog	-1.449600988	-1.982621615	37.621693	25.983126	17.830521	7.80439611	7.2716311	6.82329648	8737	8053	5420
84216	NM_001286211,NM_001286212	TMEM117	transmembrane protein 117	1.154187866	-1.98264175	2.686268	3.124838	1.307922	3.14487866	3.3298614	2.30902414	308	475	191
84934	NM_001286215,NM_032848	RITA1	RBPJ interacting and tubulin ass	-1.213413215	-1.982768988	9.321525	7.688809	4.407876	4.29607932	4.03255443	3.37879258	732	806	454
23212	NM_015169	RRS1	ribosome biogenesis regulator ho	1.031638297	-1.982856452	45.704876	47.210842	21.662441	6.26546264	6.3098262	5.29614568	2981	4109	1849
8034	NM_001324312,NM_001324313	SLC25A16	solute carrier family 25 member 1	-1.880703802	-1.983067354	12.283878	6.290606	5.578658	5.11254966	4.23744571	4.16512515	1319	937	818
54476	NM_207111,NM_207116	RNF216	ring finger protein 216	-1.326757049	-1.983263847	13.456764	10.233749	6.375875	6.26498489	5.86318092	5.29538508	2980	3001	1848
286430	NM_001319967	NLRP2B	NLR family pyrin domain containi	1.104654034	-1.983341827	0.514071	0.569892	0.243755	1.38110603	1.47139626	0.85412573	63	93	39
221178	NM_001166271,NM_001286792	SPATA13	spermatogenesis associated 13	1.07155222	-1.983800894	3.346954	3.632181	1.59497	4.83848193	4.93482226	3.8988521	1084	1552	672
79621	NM_001142279,NM_024570	RNASEH2B	ribonuclease H2 subunit B	1.035357176	-1.983944957	14.805352	15.323863	6.987132	4.61977956	4.66790832	3.68786049	926	1281	574
3669	NM_001303233,NM_001303234	ISG20	interferon stimulated exonucleas	-1.614320477	-1.986473288	13.653141	8.207401	6.817453	4.83204569	4.1718205	3.890818	1079	893	668
101060146	NR_110646	CHMP1B2P	charged multivesicular body prot	1.209424698	-1.987055676	1.397772	1.692102	0.660039	3.35339967	3.60313623	2.49540988	362	585	224
3875	NM_000224,NM_199187	KRT18	keratin 18	-2.088145189	-1.988013471	5026.266865	2411.58406	2377.33207	12.80927287	11.74726895	11.81814335	281752	180282	174313
51279	NM_001297640,NM_001297642	C1RL	complement C1r subcomponent l	-1.003433092	-1.988356276	19.320931	19.17286	10.364028	5.86188507	5.85702558	4.89455192	2244	2988	1388
441046	NR_003675	GUSBP5	glucuronidase, beta pseudogene	1.463964216	-1.988642609	0.615455	0.899343	0.287154	1.13562816	1.4614436	0.6785857	47	92	29
55915	NM_018697	LANCL2	LanC like 2	-1.409927134	-1.988902373	6.421235	4.560684	3.033931	4.81908641	4.34420922	3.87664976	1069	1013	661
108570035	NR_138480	LINP1	lncRNA in non-homologous end j	-1.785726918	-1.989655389	7.749767	4.343549	3.655018	2.86114003	2.17238371	2.05235145	246	184	152
7761	NM_013249	ZNF214	zinc finger protein 214	-1.765032156	-1.990104475	2.536634	1.436982	1.193729	2.92543304	2.24380223	2.10885534	259	196	160
375593	NM_198924	TRIM73	tripartite motif containing 73	1.23682069	-1.990111995	0.49018	0.613017	0.224628	0.73313634	0.86372326	0.41288872	26	43	16
6331	NM_000335,NM_001099404,NM	SCN5A	sodium voltage-gated channel alp	6.511722428	-1.990111995	0.075629	0.521746	0.036537	0.73313634	2.41343275	0.41288872	26	227	16
64131	NM_022166	XYLT1	xylosyltransferase 1	-1.161510838	-1.990797226	0.168048	0.143852	0.079111	1.33814853	1.21124797	0.82068496	60	69	37
257396	NR_034107,NR_104654	LOC257396	uncharacterized LOC257396	-1.243875786	-1.991811373	3.767793	3.040315	1.882006	3.2098649	2.93245472	2.36229074	324	348	200
9865	NM_014817	TRIL	TLR4 interactor with leucine rich	-2.163616856	-1.991913669	0.551806	0.252152	0.26014	1.89739865	1.1751656	1.24294651	107	66	66
92856	NM_001320304,NM_001320305	IMP4	IMP4 homolog, U3 small nucleola	-1.004807128	-1.992415736	32.079463	31.948974	15.021339	6.60936173	6.6027982	5.62939153	3794	5046	2342
2950	NM_000852	GSTP1	glutathione S-transferase pi 1	-1.122687831	-1.99270904	521.286194	464.831299	245.825623	8.92842356	8.76182898	7.93693062	19089	22718	11782
10247	NM_005836	RIDA	reactive intermediate imine deam	-1.196109518	-1.993149551	47.971649	40.136856	22.604273	5.59166249	5.33915216	4.62593952	1854	2071	1144
127018	NM_001300769,NM_001300770	LYPLAL1	lysophospholipase like 1	-1.077144952	-1.99355999	21.070671	19.701795	9.955851	5.30608931	5.20167964	4.34642459	1514	1878	934
64782	NM_022767	AEN	apoptosis enhancing nuclease	1.31497109	-1.995289855	18.033985	23.73768	8.489848	5.79991465	6.18874664	4.82879013	2148	3774	1324
1307	NM_001856	COL16A1	collagen type XVI alpha 1 chain	1.196589999	-1.996604002	1.654306	1.984477	0.779742	3.32434579	3.55948145	2.46326383	354	566	218
51001	NM_001286643,NM_015942	MTERF3	mitochondrial transcription termir	-1.379610756	-1.996725638	32.134814	23.307948	15.125046	5.55539568	5.10270203	4.58793254	1807	1750	1113
81890	NM_031209	QTRT1	queuine tRNA-ribosyltransferase	-1.118590863	-1.997779021	55.953331	50.078251	26.317324	6.20348587	6.04411685	5.22443598	2854	3409	1757
7516	NM_005431	XRCC2	X-ray repair cross complementing	-1.356884944	-1.997864183	13.345189	9.844254	6.275879	5.35359695	4.92580232	4.38982644	1566	1542	964
718	NM_000064	C3	complement C3	1.140175669	-1.998020188	81.311157	92.812584	38.242416	8.66991132	8.85873308	7.67486094	15951	24300	9819
10349	NM_080282	ABCA10	ATP binding cassette subfamily A	-1.297000024	-1.998775107	0.826299	0.634864	0.385188	2.60744196	2.30073045	1.8266989	200	206	123
100130311	NM_001145536	C17orf107	chromosome 17 open reading fra	-1.308404583	-1.998916074	0.814635	0.618877	0.379433	1.78459878	1.52015496	1.15176086	96	98	59
5261	NM_000294,NM_001172432	PHKG2	phosphorylase kinase catalytic su	1.024846822	-1.999146948	14.422313	14.795945	6.779007	6.29243623	6.32739943	5.31127406	3038	4160	1869
113000	NM_001324086,NM_001324410	RPUSD1	RNA pseudouridylate synthase d	1.250124128	-1.99925662	16.593812	20.802367	7.730018	5.0573361	5.37073612	4.10041086	1268	2118	780
57198	NM_001005855,NM_020452	ATP8B2	ATPase phospholipid transportin	1.158319708	-1.999482959	0.134552	0.15962	0.06483	0.83964067	0.93737891	0.47868902	31	48	19
1825	NM_001941,NM_024423	DSC3	desmocollin 3	1.350799623	-1.999482959	0.105035	0.141884	0.046732	0.83964067	1.04792463	0.47868902	31	56	19
101929705	NR_125864,NR_125865	LOC101929705	uncharacterized LOC101929705	1.206436087	-1.999482959	0.354226	0.435702	0.164905	0.83964067	0.96581954	0.47868902	31	50	19
23632	NM_012113	CA14	carbonic anhydrase 14	-1.259259063	-1.999482959	0.441377	0.338171	0.206802	0.83964067	0.68708806	0.47868902	32	32	19
151295	NM_001144889,NM_001144890	SLC23A3	solute carrier family 23 member 3	-1.100299381	-1.999501735	3.604043	3.498209	1.638807	3.20189991	3.07960182	2.35062252	322	391	198
23160	NM_015131	WDR43	WD repeat domain 43	1.218277667	-2.000024611	36.383053	44.376289	17.094645	6.97829416	7.26109125	5.98964105	4911	7994	3020
102465801	NR_106990	MIR7703	microRNA 7703	1.039258885	-2.000084947	6.008265	6.133032	2.682121	0.54446555	0.56226574	0.29607837	18	25	11
64219	NM_001032396,NM_022368,NM	PJA1	praja ring finger ubiquitin ligase 1	-3.110619223	-2.000527678	5.381829	1.877478	2.689666	3.89547266	2.4491251	2.98870613	545	234	335
440584	NR_033967	SLC2A1-AS1	SLC2A1 antisense RNA 1	-1.688594438	-2.003096631	1.437934	0.844935	0.666379	1.36692851	0.95166931	0.83750224	62	49	38
283392	NR_026836,NR_026837	TRHDE-AS1	TRHDE antisense RNA 1	-1.428932934	-2.003663348	16.007702	11.489355	7.790555	5.8344561	5.3302927	4.85689977	2201	2058	1351
100500815	NR_037458	MIR3687-1	microRNA 3687-1	1.633007534	-2.003756454	2.087667	3.521151	0.853629	0.17294258	0.27464693	0.08695753	5	11	3
103504728	NR_128714	MIR3687-2	microRNA 3687-2	1.779557809	-2.003756454	2.137373	3.557831	0.882083	0.17294258	0.29720487	0.08695753	5	12	3
23460	NM_080284	ABCA6	ATP binding cassette subfamily A	2.365758913	-2.003756454	0.0227	0.058498	0.007548	0.17294258	0.38406669	0.08695753	5	16	3
29797	NR_024583	POM121L8P	POM121 transmembrane nucleo	1.193356706	-2.003756454	0.016695	0.019038	0.005184	0.17294258	0.20477631	0.08695753	5	8	3
54925	NM_001284527,NM_001284528	ZSCAN32	zinc finger and SCAN domain co	-1.167712435	-2.004956562	8.432559	7.269488	3.852314	4.66538426	4.451177	3.71768886	957	1095	587
100287616	NR_040066,NR_040067,NR_04	LOXL1-AS1	LOXL1 antisense RNA 1	-1.257423822	-2.005435046	3.528672	3.03051	1.86932	3.25675288	2.96451939	2.39673966	336	357	206
91	NM_004302,NM_020327,NM_02	ACVR1B	activin A receptor type 1B	-2.600793934	-2.007743499	7.126014	2.736337	3.334657	5.0306035	3.72044785	4.06871313	1244	639	762
196872	NR_024396	LINC00638	long intergenic non-protein codin	1.108576603	-2.008407797	0.555592	0.615831	0.261645	1.24819466	1.33632702	0.75138414	54	80	33
100506124	NR_045376	LOC100506124	uncharacterized LOC100506124	1.379993927	-2.010089018	1.467241	2.03025	0.685496	1.7191395	2.05515489	1.09694451	90	166	55
100129973	NR_102751	CERNA1	competing endogenous lncRNA 1	1.526957684	-2.010653825	0.395691	0.593559	0.174207	0.66524311	0.92294555	0.36729312	23	47	14
100131366	NR_033938	LINC00605	long intergenic non-protein codin	-1.334045682	-2.010653825	0.383335	0.280414	0.176735	0.66524311	0.52452456	0.36729312	23	23	14
3384	NM_000873,NM_001099786,NM	ICAM2	intercellular adhesion molecule 2	-1.178056462	-2.011108829	152.588192	129.821654	71.281991	7.41866272	7.18375055	6.41914802	6678	7574	4084
100129195	NR_103455,NR_103456	ZSCAN16-AS1	ZSCAN16 antisense RNA 1	-1.079723559	-2.011851636	0.767486	0.705088	0.356429	1.32354034	1.25799553	0.80366934	59	73	36
653333	NM_001137610	FAM86B2	family with sequence similarity 86	1.088508915	-2.012031263	1.58906	1.727404	0.728406	1.56621863	1.64851465	0.98063768	77	112	47
643669	NM_001243212	CCER2	coiled-coil glutamate rich protein	-2.945429225	-2.012142918	2.346641	0.789154	1.086504	1.77389308	0.86372326	1.13825079	95	43	58
6741	NM_001294145,NM_003142	SSB	Sjogren syndrome antigen B	-1.043727903	-2.012454035	255.119322	244.36942	119.287607	8.73336576	8.67176793	7.72782806	16670	21340	10188
100505854	NR_038361,NR_134251,NR_13	APTR	Alu-mediated CDKN1A/p21 trans	-2.146257881	-2.012535035	6.923618	3.217953	3.218432	3.85032677	2.85854068	2.93892502	527	328	322
8572	NM_001131027,NM_003687	PDLIM4	PDZ and LIM domain 4	1.343818379	-2.012702141	19.622527	26.296114	9.119419	5.47092159	5.88893602	4.49426709	1702	3056	1040
339201	NR_049729,NR_049730	ASB16-AS1	ASB16 antisense RNA 1	-1.091049384	-2.014068227	17.926981	16.582891	8.350708	5.28079072	5.15844008	4.30772367	1487	1821	908
102724814	NR_110555	LOC102724814	uncharacterized LOC102724814	1.130400132	-2.014561805	8.940628	10.115547	4.165795	4.87023937	5.04138697	3.90883222	1109	1675	677
1290	NM_000393	COL5A2	collagen type V alpha 2 chain	1.729534801	-2.01476752	0.239294	0.41799	0.109975	1.39514558	1.93409799	0.85412573	64	148	39
100533789	NR_126038	LRRC37A8P	leucine rich repeat containing 37	-1.040246141	-2.014931922	0.836303	0.805539	0.389961	2.71208982	2.66397469	1.90855849	218	280	133
5593	NM_001282480,NM_001282481	PRKG2	protein kinase, cGMP-dependent	-1.293709087	-2.015227361	0.673669	0.513972	0.30922	2.04717061	1.77444288	1.35230545	123	127	75
1432	NM_001315,NM_139012,NM_13	MAPK14	mitogen-activated protein kinase	-1.07978101	-2.015240336	22.295308	20.57452	10.406	6.56967926	6.46014843	5.57402156	3690	4566	2252
2101	NM_001282450,NM_001282451	ESRRA	estrogen related receptor alpha	-1.007947616	-2.015395942	33.205071	32.995674	15.520188	6.22083355	6.2097074	5.22922293	3830	3889	1763
57650	NM_020890	KIAA1524	KIAA1524	1.176918323	-2.015484991	24.233606	28.552662	11.296005	6.66727263	6.90015728	5.67044778	3951	6213	2411
8341	NM_003520	HIST1H2BN	histone cluster 1 H2B family mem	-1.364655293	-2.015606512	2.625125	1.9226	1.234968	1.11880553	0.89363826	0.65979727	46	45	28
407975	NR_027349,NR_027350	MIR17HG	miR-17-92a-1 cluster host gene	-1.10963142	-2.0158416	2.402092	2.072194	1.211818	3.61267788	3.47543441	2.71606984	441	531	269
1742	NM_001128827,NM_001321074	DLG4	discs large MAGUK scaffold prot	1.258796802	-2.016452609	4.118164	5.640869	2.150627	4.04765842	4.36170552	3.12165574	610	1026	372
25841	NM_145804	ABTB2	ankyrin repeat and BTB domain c	1.638347486	-2.016683061	4.031887	6.615703	1.876068	4.34028863	5.02458641	3.39875952	756	1655	461
26063	NM_020664	DECR2	2,4-dienoyl-CoA reductase 2	-1.216038269	-2.017816631	26.100817	21.492048	12.148756	5.36612462	5.09145262	4.38840055	1580	1736	963

11097	NM_007342	NUPL2	nucleoporin like 2	-1.410219679	-2.018090451	15.50445	11.00209	7.215772	4.81386993	4.33878278	3.85203285	1065	1009	649
643749	NR_034108,NR_034109,NR_03	TRAF3IP2-AS1	TRAF3IP2 antisense RNA 1	1.236269042	-2.018101104	1.353584	1.600573	0.591551	1.74129091	1.96260273	1.11084509	92	152	56
6881	NM_006284	TAF10	TATA-box binding protein associ	-1.475556586	-2.018684948	133.492661	90.566704	62.123924	6.74401371	6.18912362	5.74420525	4169	3775	2540
100507331	NR_038357	ZSWIM8-AS1	ZSWIM8 antisense RNA 1	-1.653257241	-2.019770984	4.942445	2.98345	2.292528	3.00540462	2.39263351	2.16322937	276	223	168
284408	NR_040027,NR_040028	ZNF790-AS1	ZNF790 antisense RNA 1	-1.832044145	-2.020085147	4.445154	2.417148	1.908812	2.38631541	1.72538257	1.62837236	166	121	101
79020	NM_001099858,NM_024054	C7orf25	chromosome 7 open reading fran	-1.1567816	-2.021347984	12.29079	10.643097	5.707215	4.51438809	4.31410799	3.56196863	858	991	522
7374	NM_003362,NM_080911	UNG	uracil DNA glycosylase	-1.239702954	-2.021496691	46.03242	37.156765	21.247599	6.54981334	6.24349523	5.54998966	3639	3922	2214
286016	NR_002187	TPI1P2	triosephosphate isomerase 1 pse	-1.867470418	-2.021632481	0.723345	0.380133	0.33468	1.27880673	0.81765451	0.76902392	56	40	34
147837	NM_145276	ZNF563	zinc finger protein 563	-1.737613589	-2.021632481	0.525518	0.301331	0.244293	1.27880673	0.86372326	0.76902392	56	43	34
54802	NM_001312691,NM_001312692	TRIT1	tRNA isopentenyltransferase 1	1.138838468	-2.022197588	27.874271	31.008767	12.700542	5.7853302	5.96970944	4.79582587	2126	3235	1293
100507218	NR_040017	RNF157-AS1	RNF157 antisense RNA 1	-1.223889582	-2.022344721	0.392129	0.317554	0.177631	0.88013425	0.75384785	0.49997203	33	36	20
10063	NM_005694	COX17	COX17, cytochrome c oxidase co	-1.228980121	-2.022724782	200.070114	162.972885	92.918785	6.38195877	6.08844206	5.38319304	3235	3517	1967
151827	NM_001172779,NM_001172780	LRRC34	leucine rich repeat containing 34	-1.000508341	-2.022799409	2.234657	2.225468	1.018542	2.32896139	2.32837375	1.57922529	158	211	96
1787	NM_001321006,NM_001321007	TRDMT1	tRNA aspartic acid methyltransfe	1.005706064	-2.024736804	0.579286	0.542385	0.26418	2.74535098	2.75234181	1.93223726	224	301	136
8637	NM_003732	EIF4EBP3	eukaryotic translation initiation fa	-1.335712086	-2.024804504	4.41891	3.312335	2.048643	1.9928118	1.69172362	1.30472178	117	117	71
55726	NM_018164	INTS13	integrator complex subunit 13	-1.217308224	-2.025002097	35.127098	28.882116	16.298426	6.6834515	6.4027957	5.67980348	3996	4386	2427
399815	NR_027282	LOC399815	chromosome 10 open reading fra	-1.006986648	-2.025333255	3.181226	3.156011	1.475257	2.91572639	2.90701332	2.08088	257	341	156
60386	NM_001126121,NM_001126122	SLC25A19	solute carrier family 25 member	-1.453378075	-2.025478682	25.286979	17.392284	11.773312	5.37146049	4.84772221	4.38840055	1586	1458	963
84953	NM_032867	MICALCL	MICAL C-terminal like	-1.916187371	-2.025819679	1.044323	0.545473	0.481395	2.03825186	1.38978355	1.34055586	122	85	74
1687	NM_001127453,NM_001127454	DFNA5	DFNA5, deafness associated tun	-1.315506908	-2.025856869	0.690518	0.524162	0.315535	1.42282133	1.18729361	0.87055986	66	67	40
401127	NR_026854	LOC401127	WD repeat domain 5 pseudogen	-1.377033835	-2.025856869	1.045829	0.757824	0.481137	1.42282133	1.15059938	0.87055986	66	64	40
440925	NR_027433	LINC01124	long intergenic non-protein codin	1.047302025	-2.026306079	0.122881	0.123701	0.051405	0.3273552	0.3412894	0.16897038	10	14	6
219539	NM_145008	YPEL4	yippee like 4	3.046678718	-2.026306079	0.151322	0.463066	0.069531	0.3273552	0.83317479	0.16897038	10	41	6
646471	NR_024498	LOC646471	uncharacterized LOC646471	1.491607957	-2.026306079	0.071616	0.107265	0.03283	0.3273552	0.46599441	0.16897038	10	20	6
105370888	NR_135678	TMEM202-AS1	TMEM202 antisense RNA 1	1.047302025	-2.026306079	0.323248	0.345079	0.146238	0.3273552	0.3412894	0.16897038	10	14	6
286059	NR_038873	LOC286059	tumor necrosis factor receptor su	2.306168832	-2.026306079	0.098951	0.224114	0.045422	0.3273552	0.669904	0.16897038	10	31	6
101926947	NR_147034	LINC01617	long intergenic non-protein codin	-1.027484135	-2.026306079	0.100736	0.096503	0.04618	0.3273552	0.31941552	0.16897038	10	13	6
80310	NM_025208,NM_033135	PDGFD	platelet derived growth factor D	-3.259535926	-2.026306079	0.065388	0.019587	0.029936	0.3273552	0.10601836	0.16897038	10	4	6
85407	NM_033119	NKD1	naked cuticle homolog 1	1.8618629	-2.026306079	0.029985	0.056023	0.012942	0.3273552	0.56226574	0.16897038	10	25	6
147685	NM_152474	C19orf18	chromosome 19 open reading fra	1.084274959	-2.026755891	3.603113	3.937717	1.672124	2.0823043	2.17238371	1.37552141	127	184	77
79780	NM_001318736,NM_001318737	CCDC82	coiled-coil domain containing 82	-1.198529546	-2.028255011	14.872535	12.412199	6.856224	5.33186457	5.07767363	4.34789256	1542	1719	935
102723465	NR_146472	ELF3-AS1	ELF3 antisense RNA 1	-1.221735246	-2.028668284	1.327841	1.090419	0.618478	1.06712766	0.92294555	0.62147005	43	47	26
487	NM_001286075,NM_004320,NM	ATP2A1	ATPase sarcoplasmic/endoplasm	-1.216221437	-2.029316248	3.013269	2.466509	1.387241	3.50351028	3.24827687	2.6075054	406	446	246
4185	NM_001318933,NM_002390	ADAM11	ADAM metallopeptidase domain	1.001425658	-2.02972271	1.250811	1.26217	0.578855	2.68377414	2.68551066	1.87636985	213	285	129
10476	NM_001003785,NM_006356	ATP5H	ATP synthase, H+ transporting, r	-1.587488481	-2.031375511	713.271301	449.9676	330.065089	8.75683134	8.09203787	7.7378002	16944	14261	10259
133522	NM_001172698,NM_001172699	PPARGC1B	PPARG coactivator 1 beta	1.189900555	-2.031551643	1.122054	1.334902	0.522203	3.65704831	3.88957134	2.74755257	456	725	276
8495	NM_001256568,NM_001256569	PPFIBP2	PPFIA binding protein 2	-1.242045604	-2.032754467	1.221877	1.036695	0.562582	2.4278825	2.17847216	1.65707652	172	185	104
170679	NM_014068	PSORS1C1	psoriasis susceptibility 1 candida	-1.393602902	-2.033298404	2.746146	1.971086	1.25722	1.78459878	1.4614436	1.13825079	96	92	58
9020	NM_003954	MAP3K14	mitogen-activated protein kinase	-1.102934136	-2.03391066	17.15509	15.57623	7.924044	6.24671209	6.10731444	5.24191101	2942	3564	1779
89874	NM_001171170,NM_030631	SLC25A21	solute carrier family 25 member 2	1.047469564	-2.034049467	0.097936	0.104192	0.097976	0.46682716	0.48576948	0.24657076	15	21	9
100130370	NM_001272086,NM_001347841	LOC100130370	uncharacterized LOC100130370	-2.207683847	-2.034049467	0.298401	0.131772	0.141119	0.46682716	0.2284445	0.24657076	15	9	9
11330	NM_007272	CTRC	chymotrypsin C	-1.811437449	-2.034049467	0.412304	0.230775	0.190859	0.46682716	0.27464693	0.24657076	15	11	9
136051	NM_152411	ZNF786	zinc finger protein 786	-1.629824747	-2.034120201	2.522165	1.550165	1.16229	3.17773766	2.56983975	2.30902414	316	259	191
90060	NM_001163321,NM_001163322	CCDC120	coiled-coil domain containing 120	-2.449160705	-2.036168163	5.714887	2.565371	2.811486	4.66538426	3.45300696	3.69710431	957	522	578
51023	NM_001297767,NM_001297769	MRPS18C	mitochondrial ribosomal protein S	-1.317916329	-2.036244061	47.610046	35.997759	22.647636	5.66808957	5.2787986	4.67102285	1957	1984	1182
10262	NM_005850	SF3B4	splicing factor 3b subunit 4	-1.064841442	-2.036563364	96.498238	90.721161	44.524143	7.55661017	7.48686699	6.53837248	7352	9225	4440
4358	NM_002437	MPV17	MPV17, mitochondrial inner mem	-1.282381107	-2.037037445	66.332298	51.779602	30.602537	6.04555676	5.6928694	5.04149497	2554	2661	1542
3140	NM_001194999,NM_001195000	MR1	major histocompatibility complex,	1.805706631	-2.037391447	2.247465	4.075547	1.034444	4.1772093	4.99384339	3.23070557	671	1619	405
23462	NM_001040708,NM_001282851	HEY1	hes related family bHLH transcrip	4.285915973	-2.037965145	0.210458	0.962265	0.101313	0.59399636	1.67459501	0.32020933	20	115	12
57030	NM_020309	SLC17A7	solute carrier family 17 member 7	1.04755378	-2.037965145	0.173813	0.178229	0.080465	0.59399636	0.61708849	0.32020933	20	28	12
100505785	NR_145471	KIRREL-IT1	KIRREL intronic transcript 1	-2.212424053	-2.037965145	0.336098	0.142009	0.148151	0.59399636	0.29720487	0.32020933	20	12	12
102466730	NR_106822	MIR6764	microRNA 6764	-1.160845593	-2.037965145	8.203795	7.091708	3.789367	0.59399636	0.52452456	0.32020933	20	23	12
51303	NM_001143781,NM_001143782	FKBP11	FK506 binding protein 11	-1.229466369	-2.038968602	59.122731	47.484138	27.272663	5.52139737	5.23053515	4.52573709	1764	1917	1064
692213	NR_003078	SNORD110	small nucleolar RNA, C/D box 11	1.530243826	-2.039452387	30.398886	46.924858	13.89811	1.69664266	2.14776967	1.06873498	88	180	53
10404	NM_016134	CPQ	carboxypeptidase Q	2.985239781	-2.040328818	0.32215	1.001545	0.15353	0.71085839	1.5392062	0.39027104	25	100	15
677834	NR_002983	SNORA55	small nucleolar RNA, H/ACA box	-1.077162126	-2.040328818	4.713454	4.388655	2.133603	0.71085839	0.669904	0.39027104	25	31	15
114034	NM_025077	TOE1	target of EGR1, member 1 (nucle	1.259666567	-2.040747127	8.417961	10.619058	3.872689	4.36546531	4.68404654	3.4072329	770	1296	464
2661	NM_001288824,NM_001288825	GDF9	growth differentiation factor 9	-1.265467165	-2.041375649	1.076848	0.862156	0.503232	1.90722898	1.66595383	1.23026757	108	114	65
100294362	NR_029376	LOC100294362	uncharacterized LOC100294362	2.936932805	-2.04191059	0.209081	0.622482	0.097293	0.81895953	1.70021226	0.45708734	30	118	18
692198	NR_003944	SNORD78	small nucleolar RNA, C/D box 78	1.017388541	-2.042700524	51.394054	52.200321	23.611422	2.09095564	2.11004283	1.37552141	128	174	77
84961	NM_001184906,NM_032875	FBXL20	F-box and leucine rich repeat pro	1.117829184	-2.042750843	1.766523	1.979099	0.814382	4.23689412	4.38952806	3.28388219	701	1047	422
6004	NM_002928	RGS16	regulator of G protein signaling 1	1.943046137	-2.043043375	0.369967	0.726347	0.169667	0.91952222	1.45142181	0.52094563	35	91	21
415117	NM_001001850	STX19	syntaxin 19	-1.4567429	-2.043245195	5.450677	3.747117	2.49742	2.83562844	2.38212036	2.0010274	241	221	145
5228	NM_001207012,NM_001293643	PGF	placental growth factor	-1.729532953	-2.044061173	2.173145	1.269804	0.988305	2.32896139	1.73367602	1.56919173	158	122	95
339929	NR_036497	LPP-AS2	LPP antisense RNA 2	1.541540077	-2.044855311	1.654582	2.558524	0.756811	2.50111114	3.03332122	1.71282633	183	377	110
4261	NM_000246,NM_001286402,NM	CIITA	class II major histocompatibility c	1.312032452	-2.048286073	0.836251	1.262136	0.382792	2.26923253	2.58825016	1.51794971	150	263	90
374618	NM_001286449,NM_198524	TEX9	testis expressed 9	1.06137632	-2.048431877	2.765581	2.93278	1.217467	2.37926962	2.4491251	1.60891398	165	234	99
4313	NM_001127891,NM_001302508	MMP2	matrix metallopeptidase 2	2.551331391	-2.048687132	1.469841	3.962282	0.674202	2.60744196	3.80748641	1.80120704	200	682	120
352954	NM_178831,NR_028038,NR_02	GATS	GATS, stromal antigen 3 opposit	-1.758259605	-2.050559956	4.751129	2.66694	2.575753	4.1588115	3.40448323	3.20501631	662	503	397
55621	NM_001136035,NM_001142554	TRMT1	tRNA methyltransferase 1	-1.030327738	-2.051491557	55.572744	53.908413	25.089687	6.86968	6.82694975	5.84588391	4552	5903	2729
440104	NR_036476,NR_036477,NR_03	TMEM198B	transmembrane protein 198B (ps	-1.194564477	-2.051658088	20.72329	17.338449	9.539327	6.05664057	5.80435527	5.04240188	2574	2879	1543
85002	NM_001083537,NR_003494	FAM86B1	family with sequence similarity 86	1.331759029	-2.052390881	2.038635	2.829791	0.864731	2.46162969	2.80838262	1.67590018	177	315	106
6044	NR_002324	SNORA62	small nucleolar RNA, H/ACA box	1.172598304	-2.053375435	21.562784	25.286516	9.864338	2.0823043	2.2611178	1.36396013	127	199	76
126549	NM_001278443,NM_001278444	ANKLE1	ankyrin repeat and LEM domain	1.112953046	-2.053673415	0.964237	1.056018	0.431486	1.9928118	2.11004283	1.29257653	117	174	70
905	NM_001241,NM_001320748,NM	CCNT2	cyclin T2	1.481428263	-2.054592423	11.83332	17.481789	5.428056	6.34581991	6.90704865	5.32550055	3154	6243	1888
80072	NR_027262	HEXA-AS1	HEXA antisense RNA 1	1.693341905	-2.056040107	0.702536	1.191794	0.321039	1.50279892	2.03820547	0.91876801	72	163	43
55846	NM_018463,NR_130744,NR_14	ITFG2	integrin alpha FG-GAP repeat co	-1.048694905	-2.056890473	10.326596	9.818791	4.731569	4.64790143	4.58209828	3.66684277	945	1204	565
152687	NM_001286052,NM_001286053	ZNF595	zinc finger protein 595	-1.30677366	-2.057249042	15.337893	12.270063	7.175663	5.5004447	5.12415271	4.49294082	1738	1777	1039
114791	NM_001102610,NM_052903	TUBGCP5	tubulin gamma complex associat	-1.320064353	-2.057773151	14.494897	10.969448	6.515811	5.73929565	5.34728212	4.72641971	2058	2083	1230
692201	NR_004399	SNORD86	small nucleolar RNA, C/D box 86	1.336858944	-2.057926855	146.481766	196.193771	66.744019	3.73086534	4.12214544	2.79997431	482	861	288
64801	NM_001346992,NM_022786,NR	ARV1	ARV1 homolog, fatty acid homeo	-1.059603442	-2.058000116	32.160227	30.506423	15.220698	5.6381504	5.55634684	4.62714903	1916	2416	1145
401320	NR_038889	LOC401320	uncharacterized LOC401320	-2.000995499	-2.059419146	4.692494	2.34765	2.138187	4.22515306	3.29945612	3.26218696	695	464	415
51002	NM_001330386,NM_001330387	TPRKB	TP53RK binding protein	-1.105232928	-2.05942413	70.900663	63.851583	32.030406	5.79131439	5.64969525	4.7763339	2135	2581	1275
55064	NM_001039395	SPATA6L	spermatogenesis associated 6 lik	1.5826272	-2.060758119	0.721219	1.148548	0.326547	1.86749926	2.37683491	1.19154816	104	220	62
64789	NM_001346946,NM_001346947	EXO5	exonuclease 5	1.021099086	-2.060855677	9.586681	9.541758	4.265304	4.16906145	4.19753076	3.20825259	667	910	398
56647	NM_016567,NM_078468,NM_07	BCCIP	BRCA2 and CDKN1A interacting	-1.102240703	-2.061135224	83.012254	74.424857	36.976654	6.79387993	6.65476573	5.76413316	4317	5233	2576
100288203	NR_146103,NR_146104	LOC100288203	WAS protein homolog associated	-1.122209223	-2.061671982	5.217804	4.686066	2.412842	3.62762016	3.47543441	2.70236404	446	531	266
79149	NM_001322061,NM_001322062	ZSCAN5A	zinc finger and SCAN domain co	-1.116051634	-2.061936381	2.512984	2.201289	1.109516	2.65489157	2.52275889	1.83509706	208	249	124
643529	NR_038382	LINC00865	long intergenic non-protein codin	-1.997898686	-2.062877844	1.176756	0.586842	0.535064	2.56460348	1.79043244	1.75769337	193	129	115
10813	NM_001166221,NM_006649	UTP14A	UTP14A small subunit processor	1.088950286	-2.064015254	23.784611	25.856796	10.796763	5.90973571	6.03071759	4.88952086	2321	3377	1383
58496	NM_021221	LY6G5B	lymphocyte antigen 6 family mem	-1.241714619	-2.064159913	22.231092	17.920134	10.105868	4.15055879	3.8576751	3.18872508	658	708	392
150684	NM_001321781,NM_001321782	COMMD1	copper metabolism domain conta	-1.196444702	-2.066292284	33.631725	28.183012	15.291334	4.65666933	4.40907784	3.66919325	951	1062	566
102465669	NR_106963	MIR7113	microRNA 7113	1.329245162	-2.066326132	11.874063	15.680637	5.279666	0.7550755	0.9373891	0.41288872	27	48	16
106780825	NR_133678	LOC106780825	FOXM1-regulated, gastric cancer	-3.961319907	-2.066326132	1.666679	0.384987	0.75738	0.7550755	0.2284445	0.41288872	27	9	16
80005	NM_001322810,NM_024940	DOCK5	dedicator of cytokinesis 5	-1.751466904	-2.066902847	22.736428	12.944567	9.967209	7.72168503	6.91823424	6.68146726	8248	6292	4908
345222	NM_001042690,NM_001330620	MSANTD1	Myb/SANT DNA binding domain	-1.041346015	-2.067079402	1.481429	1.522477	0.677569	1.88750088	1.84504029	1.20457043	106	136	63
1056	NM_001807	CEL	carboxyl ester lipase	-1.115164763	-2.068693043	2.267808	2.034128	1.029424	2.64904502	2.51796519	1.8266989	207	248	123
84681	NM_032593	HINT2	histidine triad nucleotide binding	-1.41871725	-2.069360896	37.870918	26.717079	17.189234	4.64643492	4.16570385	3.65740237	944	889	561
3218	NM_024016	HOXB8	homeobox B8	-2.560898618	-2.069630942	5.329215	2.080535	2.420221	3.38891307	2.23214197	2.47942639	372	194	221

100506098	NR_134567,NR_134568,NR_13	LOC100506098	uncharacterized LOC100506098	-4.77593096	-2.069656056	6.760151	1.421325	2.911165	2.58923814	1.03456085	1.77525664	197	55	117
10556	NM_001104546,NM_006413	RPP30	ribonuclease P/MRP subunit p30	-1.535942087	-2.069892631	22.35979	14.328838	11.10164	6.13140667	5.52324054	5.10364045	2713	2360	1612
81566	NM_030809,NR_045072	CSRNP2	cysteine and serine rich nuclear p	-1.056381269	-2.072570515	9.801444	9.377167	4.531008	5.51498275	5.43762501	4.49691596	1756	2221	1042
150223	NM_001017964	YDJC	YdjC chitooligosaccharide deace	-1.055949552	-2.074919335	25.188299	23.893688	11.403862	5.08032757	5.00416403	4.07226969	1289	1631	764
10721	NM_199420	POLQ	DNA polymerase theta	1.300476842	-2.075168886	11.057846	14.39844	5.00668	6.57816514	6.9537225	5.54103391	3712	6450	2200
494143	NM_001008708,NM_001346127	CHAC2	ChaC cation transport regulator h	1.158816402	-2.075542717	6.673609	7.769664	3.015213	3.27584855	3.46799726	2.37386535	341	528	202
407014	NR_029498	MIR25	microRNA 25	-1.29893075	-2.075644905	21.998415	16.87532	9.909317	1.48977343	1.25799553	0.90287695	71	73	42
146760	NM_178568	RTN4RL1	reticulon 4 receptor like 1	-4.105247108	-2.075644905	0.510757	0.118962	0.230988	1.48977343	0.52452456	0.90287695	71	23	42
54502	NM_001098634,NM_019027	RBM47	RNA binding motif protein 47	-1.404029333	-2.075808912	14.313398	9.89784	6.449906	6.11771306	5.63648697	5.08615607	2687	2557	1592
7355	NM_001032289,NM_001042498	SLC35A2	solute carrier family 35 member A	1.079303034	-2.075814942	10.145241	9.902516	5.029631	4.57731129	4.68297626	3.58704707	898	1295	532
401251	NM_001039651	SAPCD1	suppressor APC domain containi	-2.05125153	-2.076052404	0.485204	0.232698	0.199216	0.5190475	0.27464693	0.27153692	17	11	10
55924	NM_019099,NM_198926	FAM212B	family with sequence similarity 2	-2.19402678	-2.076672867	0.523806	0.237175	0.236823	2.02024721	1.25799553	1.30472178	120	73	71
161582	NM_001033559,NM_001033560	DNAAF4	dynein axonemal assembly facto	1.317427061	-2.077407722	1.866041	2.497703	0.844857	2.20692365	2.52753672	1.45395569	142	250	84
26768	NR_004404	SNORA73B	small nucleolar RNA, H/ACA box	-1.433015237	-2.077542368	65.945869	46.065937	29.835176	3.82462152	3.34888182	2.87519973	517	482	306
117145	NM_053055	THEM4	thioesterase superfamily membe	1.011196053	-2.078095118	2.563376	2.595867	1.157149	3.79844995	3.81336732	2.85055786	507	685	300
644873	NR_015360	LINC01184	long intergenic non-protein codin	-1.119415411	-2.079032463	3.293262	2.94189	1.485427	3.38891307	3.24247658	2.47405896	372	444	220
2020	NM_001427	EN2	engrailed homeobox 2	-2.45762157	-2.080551763	0.802016	0.326184	0.363397	1.87753473	1.06116576	1.19154816	105	57	62
23145	NM_198455	SSPO	SCO-spondin	1.396123393	-2.080810528	0.249558	0.348613	0.112094	2.26158951	2.65526948	1.4969322	149	278	88
246181	NM_001348421,NR_040288,NR	AKR7L	aldo-keto reductase family 7 like	1.167378619	-2.082107092	1.179143	1.316598	0.534079	1.82664439	1.99055518	1.15176086	100	156	59
100529257	NM_001202547,NM_001202548	SYNJ2BP-COX16	SYNJ2BP-COX16 readthrough	1.496188133	-2.082298166	1.047666	1.582527	0.459148	1.57857476	1.99055518	0.96541723	78	156	46
100534012	NM_001204848,NR_144937	TNFAIP8L2-SCNM1	TNFAIP8L2-SCNM1 readthrough	-1.437697459	-2.082639157	0.744257	0.511605	0.330196	1.27880673	0.99371033	0.75138414	56	52	33
1298	NM_001852	COL9A2	collagen type IX alpha 2 chain	2.438889444	-2.083420402	0.310229	0.76475	0.14086	0.89996265	1.63971536	0.49997203	34	111	20
7409	NM_001258206,NM_001258207	VAV1	vav 1 guanine nucleotide exchan	-1.039756668	-2.083991268	18.657658	17.994816	8.405213	5.76181945	5.70662732	4.73092712	2091	2687	1234
5373	NM_000303	PMM2	phosphomannomutase 2	1.06575482	-2.083998139	26.286325	28.050236	11.852281	5.91826784	6.00867482	4.88447218	2335	3325	1378
162979	NM_145288	ZNF296	zinc finger protein 296	1.008204468	-2.084706877	6.173617	6.228552	2.782565	3.52282116	3.53359042	2.59272293	412	555	243
79831	NM_001145348,NM_024773	KDM8	lysine demethylase 8	1.143885995	-2.085616463	2.5978	2.969409	1.166894	2.86114003	3.02995795	2.0010274	246	376	145
105370681	NR_146561	LINC02323	long intergenic non-protein codin	1.51047294	-2.085898875	0.816032	1.255221	0.368229	1.2010231	1.5673195	0.69713258	51	103	30
11259	NM_001042459,NM_001282793	FILIP1L	filamin A interacting protein 1 like	1.203163206	-2.08663639	15.328673	17.763464	6.908103	5.64404118	5.90600704	4.61378826	1924	3093	1134
100289124	NR_103714,NR_103714_dup1	FAM27E2	family with sequence similarity 27	1.121567544	-2.087047357	0.166762	0.19236	0.07317	0.38477185	0.42561204	0.19530369	12	18	7
100423037	NR_036137	MIR3176	microRNA 3176	1.245204039	-2.087047357	3.324122	4.304162	1.365535	0.38477185	0.46599441	0.19530369	12	20	7
102465447	NR_106805	MIR6747	microRNA 6747	1.368840535	-2.087047357	4.853487	7.008987	2.014724	0.38477185	0.50527715	0.19530369	12	22	7
84319	NM_001167924,NM_032359	CMSS1	cms1 ribosomal small subunit ho	1.409374865	-2.087466907	35.338305	49.825202	15.887479	5.43569657	5.92106397	4.40964229	1660	3126	978
64208	NM_022361,NR_024539	POPDC3	popeye domain containing 3	-2.188642957	-2.087601299	2.433293	1.213356	1.040791	2.19894236	1.40024122	1.4430085	141	86	83
9034	NM_001130910,NM_003965	CCRL2	C-C motif chemokine receptor lik	-1.361326287	-2.087747333	3.221926	2.37433	1.437767	2.68948191	2.32288731	1.85174813	214	210	126
1870	NM_004091	E2F2	E2F transcription factor 2	1.220424286	-2.088015078	4.104856	5.016287	1.846911	4.44353723	4.7189277	3.45160249	815	1329	480
100505839	NR_038940	SH3PXD2A-AS1	SH3PXD2A antisense RNA 1	-3.134206889	-2.088669596	2.700851	0.859381	1.209041	2.66071453	1.43116693	1.8266989	209	89	123
79002	NM_001329738,NM_001329739	C19orf43	chromosome 19 open reading fra	-1.145803345	-2.089174267	193.944502	169.69366	85.706351	7.5528968	7.35765405	6.49828406	7333	8551	4317
9746	NM_014718	CLSTN3	calsyntenin 3	-1.099735567	-2.089528584	35.337967	32.165871	15.891285	7.11579079	6.97966836	6.06386995	5406	6568	3182
57404	NM_177538	CYP20A1	cytochrome P450 family 20 subfa	1.017724464	-2.089828123	1.984995	2.023232	0.892456	4.47030848	4.49452466	3.47597349	831	1130	489
284184	NM_001086521	NDUFAF8	NADH:ubiquinone oxidoreductas	-1.105406901	-2.089913951	32.201897	29.16815	14.483893	4.21529532	4.07885924	3.23388481	690	834	406
25896	NM_001199809,NM_001199811	INTS7	integrator complex subunit 7	-1.209536097	-2.091868848	13.277574	10.996291	5.967771	5.89869115	5.62928167	4.85998953	2303	2544	1354
4487	NM_002448	MSX1	msh homeobox 1	-1.181787772	-2.093583667	1.853141	1.57141	0.83095	2.17473011	1.99055518	1.42086173	138	156	81
100652781	NR_045011	SNX29P1	sorting nexin 29 pseudogene 1	-1.822115548	-2.094849133	1.089675	0.580449	0.482178	1.03161781	0.65251278	0.58209675	41	30	24
728498	NM_001282490	GOLGA8H	golgin A8 family member H	-1.649228473	-2.095023583	1.202153	0.7282	0.538876	2.84076697	2.24380223	1.97845985	242	196	142
10623	NM_001303456,NM_006468	POLR3C	RNA polymerase III subunit C	1.115240164	-2.095419803	6.426085	7.174662	2.880531	4.67116511	4.82267239	3.66448845	961	1432	564
54538	NM_001301088,NM_019055	ROBO4	roundabout guidance receptor 4	-1.79643628	-2.096202829	0.475651	0.261977	0.210481	1.47662927	0.99371033	0.88680889	70	52	41
10084	NM_001032381,NM_001032382	PQBP1	polyglutamine binding protein 1	-1.029701027	-2.096343242	41.353182	41.868277	18.519715	5.31995473	5.2787986	4.29103243	1529	1984	897
133923	NM_207317	ZNF474	zinc finger protein 474	1.308385209	-2.097649506	0.308901	0.415424	0.132305	0.68823103	0.84852988	0.36729312	24	42	14
57216	NM_020335	VANGL2	VANGL planar cell polarity protei	1.649894888	-2.097649506	0.115331	0.191138	0.052081	0.68823103	1.00745609	0.36729312	24	53	14
8643	NM_001166292,NM_003738	PTCH2	patched 2	1.31265933	-2.097909057	0.364891	0.420756	0.16135	1.23264156	1.47139626	0.71544405	53	93	31
10865	NM_001319085,NM_001319087	ARID5A	AT-rich interaction domain 5A	1.295730687	-2.098886634	3.589761	4.771646	1.639362	3.1490272	3.48529134	2.2474368	309	535	181
55608	NM_001286721,NM_017664,NR	ANKRD10	ankyrin repeat domain 10	-1.644362173	-2.098927831	84.610056	51.033663	40.989565	7.36750928	6.65558437	6.30739837	6444	5236	3776
5478	NM_001300981,NM_021130	PPIA	peptidylprolyl isomerase A	-1.721325451	-2.099532961	1465.762207	851.773856	655.816698	11.67574349	10.89254079	10.60615847	128401	99667	75219
81892	NM_001267863,NM_001267864	SLIRP	SRA stem-loop interacting RNA b	-1.35621427	-2.10021903	298.365905	219.879669	133.154912	6.90168761	6.46638246	5.84432468	4655	4586	2726
64779	NM_001159377,NM_001159378	MTHFSD	methenyltetrahydrofolate synthet	1.273560212	-2.100458674	7.674607	9.772033	3.428419	4.57268608	4.9085075	3.56701931	895	1523	524
109286553	NR_026899	ARHGAP27P1-BPTFP1-KPNA2	ARHGAP27P1-BPTFP1-KPNA2	-2.431521991	-2.101731052	79.879417	32.88623	35.712376	7.80472484	6.53204743	6.74021788	8739	4802	5114
57560	NM_001190241,NM_001190242	IFT80	intraflagellar transport 80	-1.043032627	-2.102493536	32.423311	31.15199	14.391494	7.05408219	6.99376373	5.99386662	5178	6633	3029
55006	NM_017910	TRMT61B	tRNA methyltransferase 61B	-1.092242965	-2.102520149	13.536634	12.407876	6.046369	4.66103338	4.53897585	3.6502813	954	1167	558
80755	NM_001261434	AARSD1	alanyl-tRNA synthetase domain c	-1.161298528	-2.103008493	43.181404	37.222984	19.297329	5.8669311	5.65516321	4.82141214	2252	2591	1317
100528020	NM_001258400	FAM187A	family with sequence similarity 18	1.651340591	-2.103028514	0.798639	1.318743	0.347758	1.15225689	1.59489542	0.65979727	48	106	28
4157	NM_002386	MC1R	melanocortin 1 receptor	-2.162532949	-2.10406178	6.840151	3.162697	3.051231	4.43676607	3.39027923	3.43512339	811	501	474
57102	NM_001304811,NM_001346153	C12orf4	chromosome 12 open reading fra	-1.086255144	-2.104810634	5.731118	5.185175	2.561231	4.44015563	4.32649813	3.43788301	813	1000	475
105373113	NR_146920	LINC01703	long intergenic non-protein codin	-2.906913625	-2.104833251	2.110358	0.730313	0.929384	1.50279892	0.70406985	0.90287695	72	33	42
100505994	NR_103548,NR_103549	LUCAT1	lung cancer associated transcript	4.237576334	-2.104836364	7.516803	31.657974	3.377906	2.82010209	4.73863474	1.95553366	238	1348	139
90506	NM_033413	LRRC46	leucine rich repeat containing 46	1.58522267	-2.105349975	1.132314	1.80787	0.501246	1.65056839	2.13530335	1.01060517	84	178	49
654483	NM_001039182,NM_001039182	BOLA2B	bolA family member 2B	-1.418007401	-2.106928948	34.768044	24.536871	15.490634	5.14510661	4.65813802	4.11427824	1350	1272	788
80863	NM_030651	PRRT1	proline rich transmembrane prote	-2.256975624	-2.108801	1.579959	0.700964	0.705084	1.97422731	1.19932051	1.25551499	115	68	67
100507462	NM_001242740	GVQW2	GVQW motif containing 2	-1.063780403	-2.109369901	0.407642	0.385535	0.182681	1.06712766	1.02107213	0.60191771	43	54	25
8785	NM_003833,NM_030590,NM_03	MATN4	matrilin 4	-1.721526069	-2.109720867	0.342471	0.200907	0.152757	0.83964067	0.54351856	0.45708734	31	24	18
7574	NM_001256279,NM_001256280	ZNF26	zinc finger protein 26	-1.644776345	-2.110410422	15.891335	9.767216	7.192392	5.71990486	5.01950785	4.67237502	2030	1649	1183
102288414	NM_001286086,NR_104414	C11orf98	chromosome 11 open reading fra	-1.374076681	-2.11230647	85.796669	62.476347	38.829375	5.83831485	5.38922859	4.78719527	2207	2146	1285
100289635	NM_001164715,NM_183238	ZNF605	zinc finger protein 605	-1.323819449	-2.112762842	7.745649	5.856429	3.440317	5.57557074	5.18060106	4.52962301	1833	1850	1067
95	NM_000666,NM_001198895,NM	ACY1	aminoacylase 1	-1.023059543	-2.112763601	7.872165	7.859488	3.533732	3.77984319	3.74936649	2.81278744	500	653	291
1716	NM_001318859,NM_001318860	DGUOK	deoxyguanosine kinase	-1.167796399	-2.112771068	102.094889	86.566905	48.013802	6.52648463	6.3053123	5.46460935	3580	4096	2084
5426	NM_006231	POLE	DNA polymerase epsilon, catalyti	-1.097825726	-2.112796518	39.609787	36.122631	17.617008	8.274892	8.14069729	7.20089736	12121	14752	7056
23550	NM_012455	PSD4	pleckstrin and Sec7 domain cont	-1.216804223	-2.113179136	17.309353	14.242306	7.698859	6.42536103	6.14588877	5.36445917	3335	3662	1941
11245	NM_001271854,NM_001271855	GPR176	G protein-coupled receptor 176	1.144908196	-2.11395334	0.672248	0.771568	0.299218	1.9928118	2.14154997	1.26797492	117	179	68
10290	NM_001173476,NM_005876	SPEG	SPEG complex locus	2.411867722	-2.113955161	0.844028	1.17253	0.11389	1.36692851	2.26684378	0.80366934	62	200	36
57540	NM_020780	DISP3	dispatched RND transporter fami	2.542479768	-2.113985152	0.030105	0.090226	0.015156	0.23670415	0.54351856	0.1148164	7	24	4
147407	NM_001034172	SLC25A52	solute carrier family 25 member 5	-1.846367714	-2.113985152	0.140003	0.070096	0.067471	0.23670415	0.13134883	0.1148164	7	5	4
8356	NM_003535	HIST1H3J	histone cluster 1 H3 family memb	1.700005729	-2.113985152	0.351284	0.632572	0.161884	0.23670415	0.38406669	0.1148164	7	16	4
102465439	NR_106791	MIR6733	microRNA 6733	1.068150199	-2.113985152	2.662412	2.936584	1.307461	0.23670415	0.25173066	0.1148164	7	10	4
1258	NM_001135639,NM_001286130	CNGB1	cyclic nucleotide gated channel b	-1.329394012	-2.113985152	0.027807	0.024066	0.010798	0.23670415	0.18071335	0.1148164	7	7	4
100302283	NR_031596	MIR1227	microRNA 1227	-1.166137663	-2.113985152	1.830818	1.661771	0.726396	0.23670415	0.20477631	0.1148164	7	8	4
100616414	NR_039918	MIR4761	microRNA 4761	-1.166137663	-2.113985152	2.139136	1.773113	0.831493	0.23670415	0.20477631	0.1148164	7	8	4
3007	NM_005320	HIST1H1D	histone cluster 1 H1 family memb	-1.166137663	-2.113985152	0.202018	0.201818	0.102136	0.23670415	0.20477631	0.1148164	7	8	4
102466271	NR_106953	MIR6893	microRNA 6893	-1.545802484	-2.113985152	2.334957	1.614483	1.011029	0.23670415	0.15624221	0.1148164	7	6	4
55179	NM_001033030,NM_001033031	FAIM	Fas apoptotic inhibitory molecule	1.751440439	-2.115468246	12.622221	21.659402	5.498857	3.84009957	4.60488193	2.86703245	523	1224	304
55258	NM_001244676,NM_001244678	THNSL2	threonine synthase like 2	1.744707808	-2.117137156	5.043068	8.334588	2.136028	3.32067256	4.0608449	2.39105499	353	823	205
79640	NM_001142964	C22orf46	chromosome 22 open reading fra	-1.07681605	-2.117418267	9.433471	8.768661	4.184538	5.54520135	5.44079444	4.49691596	1794	2226	1042
3217	NM_004502	HOXB7	homeobox B7	-1.488683353	-2.117916042	16.613848	11.176956	7.372562	4.53037804	3.98645018	3.51569869	868	779	504
80324	NM_001002019,NM_001002020	PUS1	pseudouridylate synthase 1	-1.04313421	-2.118085136	36.558273	35.309922	16.240659	6.17732075	6.11725325	5.11661607	2802	3589	1627
26521	NM_012459,NR_028383	TIMM8B	translocase of inner mitochondria	-1.905799731	-2.118477134	51.913489	27.169888	22.029165	5.49067064	4.5897123	4.44299165	1726	1210	1002
5265	NM_000295,NM_001002235,NM	SERPINA1	serpin family A member 1	-1.383178324	-2.11914279	26.665607	19.065013	11.610598	6.4064247	5.9449222	5.34179996	3291	3179	1910
104355135	NR_126378	LINC00431	long intergenic non-protein codin	-1.366195125	-2.119441128	41.429134	30.343735	18.341324	4.90131278	4.46867267	3.8705348	1134	1109	658
100506963	NR_038280	ELOA-AS1	ELOA antisense RNA 1	1.007231651	-2.120139052	2.570632	2.590298	1.130643	1.89739865	1.90501868	1.19154816	107	144	62
114971	NM_001143984,NM_175732	PTPMT1	protein tyrosine phosphatase, mi	-1.444738614	-2.120322977	39.065637	27.07134	17.288441	6.65237222	6.12791082	5.58402171	3910	3616	2268
339231	NM_001040025,NM_001329608	ARL16	ADP ribosylation factor like GTPa	-1.077331669	-2.120995282	50.346874	47.856693	24.326256	6.37444877	6.26832673	5.30901489	3218	3991	1866
9941	NM_001145464,NM_001318954	EXOG	exo/endonuclease G	1.244231432	-2.121304505	5.275027	6.51307	2.331755	4.11282598	4.41166458	3.11821901	640	1064	371

4722	NM_004551	NDUFS3	NADH:ubiquinone oxidoreductas	-1.565161109	-2.121374361	126.182861	80.70533	55.899094	6.89274735	6.25326287	5.82126025	4626	3949	2682
6556	NM_000578	SLC11A1	solute carrier family 11 member	-1.285126389	-2.121577616	0.172534	0.134346	0.075935	0.73313634	0.59904473	0.39027104	26	27	15
220042	NM_145018	DDIAS	DNA damage induced apoptosis	-1.371612179	-2.12158596	7.647692	5.581289	3.384302	4.78350351	4.34691481	3.75578721	1042	1015	604
84315	NM_001142501,NM_032355	MON1A	MON1 homolog A, secretory traff	1.060256547	-2.121842491	2.976813	3.129488	1.425357	2.89117014	2.96451939	2.00847214	252	357	146
9836	NM_014793	LCMT2	leucine carboxyl methyltransfera	1.222752342	-2.122943478	5.213749	6.385347	2.309501	3.95117646	4.22426305	2.96594348	568	928	329
53917	NM_001031677,NM_130781,NR	RAB24	RAB24, member RAS oncogene	-1.776190272	-2.1231729	23.992886	13.848051	10.992357	5.37500681	4.57288311	4.3272039	1590	1196	921
782	NM_000723,NM_199247,NM_19	CACNB1	calcium voltage-gated channel a	-1.031312328	-2.123451092	13.547243	13.734529	6.506745	5.58402213	5.54047969	4.53091599	1844	2389	1068
10873	NM_001014811,NM_001161586	ME3	malic enzyme 3	-1.055822786	-2.123718487	14.848983	14.354231	7.435965	5.24925536	5.17299774	4.20455055	1454	1840	842
219833	NM_001256088,NM_145013,NR	C11orf45	chromosome 11 open reading fra	-2.238577912	-2.12514701	1.187594	0.531267	0.523151	2.38631541	1.52971203	1.57922529	166	99	96
92162	NM_001319941,NM_203411	TMEM88	transmembrane protein 88	1.021855903	-2.126709142	2.176383	1.929982	0.672057	1.21691895	1.23481109	0.69713258	52	71	30
64901	NM_022897	RANBP17	RAN binding protein 17	-1.031226886	-2.126905954	6.977137	6.774849	3.082815	5.00451141	4.96154856	3.96539376	1221	1582	706
7128	NM_001270507,NM_001270508	TNFAIP3	TNF alpha induced protein 3	1.202920859	-2.127550848	7.764789	9.370315	3.431201	5.19912125	5.45904106	4.15342015	1403	2255	811
167555	NM_205548	FAM151B	family with sequence similarity 15	1.133558475	-2.128017019	0.500307	0.568353	0.211766	0.88013425	0.96581954	0.47868902	33	50	19
13	NM_001086	AADAC	arylacetamide deacetylase	1.16128547	-2.128313179	48.422211	56.298973	21.377903	6.26163619	6.4747559	5.19292756	2973	4613	1718
81567	NM_001145549,NM_030810	TXNDC5	thioredoxin domain containing 5	-1.031548182	-2.128971276	29.558119	28.710242	13.04603	6.44303663	6.38875065	5.36155532	3353	4343	1937
100379224	NR_033341	LOC100379224	uncharacterized LOC100379224	-1.038897293	-2.132860616	0.104811	0.103361	0.045222	0.43999062	0.42561204	0.22116494	14	18	8
101929151	NR_135691	LINC02204	long intergenic non-protein codin	1.280883431	-2.132860616	0.114241	0.145153	0.049877	0.43999062	0.54351856	0.22116494	14	24	8
103752589	NR_125805	TMEM92-AS1	TMEM92 antisense RNA 1	-1.038897293	-2.132860616	0.489062	0.468657	0.192033	0.43999062	0.42561204	0.22116494	14	18	8
619189	NM_001258031,NM_001258032	SERINC4	serine incorporator 4	1.440045618	-2.132860616	0.141779	0.208231	0.06098	0.43999062	0.59904473	0.22116494	14	27	8
728734	NM_001310136	NPIPB8	nuclear pore complex interacting	1.107115855	-2.134021597	1.46639	1.624591	0.639651	1.51570785	1.61299082	0.90287695	73	108	42
6083	NR_000006	SNORD21	small nucleolar RNA, C/D box 21	-1.108198425	-2.134021597	20.026529	18.014286	8.641097	1.51570785	1.42093184	0.90287695	73	88	42
26813	NR_000016	SNORD36C	small nucleolar RNA, C/D box 36	-1.096748037	-2.134556633	64.307182	58.636852	28.152529	2.37926962	2.27254712	1.56919173	165	201	95
84733	NM_005189,NM_032647	CBX2	chromobox 2	1.550492912	-2.136811615	1.99115	2.924992	0.931301	3.07682646	3.64770479	2.16322937	292	605	168
117155	NM_001282309,NM_001282310	CATSPER2	cation channel sperm associated	-1.954345952	-2.136889101	4.253785	2.175242	1.732728	2.92543304	2.12902957	2.03057861	259	177	149
80975	NM_001288749,NM_001288750	TMPRSS5	transmembrane protease, serine	-3.419270845	-2.137408693	0.727556	0.174386	0.278159	1.24819466	0.48576948	0.71544405	54	21	31
90120	NM_001256526,NM_152833,NR	TMEM250	transmembrane protein 250	-1.024253464	-2.137415256	9.216068	8.928691	4.279058	4.70114026	4.66790832	3.66684277	982	1281	565
151534	NR_024606	LBX2-AS1	LBX2 antisense RNA 1	-1.858925225	-2.138757111	3.56624	1.914841	1.560844	3.24904328	2.47903109	2.3150407	334	240	192
401105	NR_024413	FLJ42393	uncharacterized LOC401105	-1.038999746	-2.139295391	0.237532	0.22508	0.105502	0.61813834	0.59904473	0.32020933	21	27	12
100133204	NM_001350649	C9orf147	chromosome 9 open reading fran	-1.333849241	-2.139295391	0.183072	0.140531	0.082797	0.61813834	0.48576948	0.32020933	21	21	12
338817	NR_033890	LINC01252	long intergenic non-protein codin	-2.011821018	-2.139834244	1.667645	0.830805	0.734224	2.80440683	1.99055518	1.92438744	235	156	135
100506603	NR_104183,NR_104184	VASH1-AS1	VASH1 antisense RNA 1	1.072592578	-2.140582403	9.680801	10.611809	4.475826	4.15055879	4.2461677	3.14210594	658	943	378
121227	NM_001136051,NM_153377	LRIG3	leucine rich repeats and immuno	-1.397991361	-2.141094487	2.888927	2.069358	1.264067	3.64240927	3.20419534	2.66986823	451	431	259
91948	NR_024172,NR_024173	LINC00923	long intergenic non-protein codin	1.3085809	-2.142540269	0.530756	0.631609	0.19904	0.77668602	0.95166931	0.41288872	28	49	16
9297	NR_002559	SNORD29	small nucleolar RNA, C/D box 29	1.13568542	-2.143925358	115.049828	130.851639	50.392349	3.05045588	3.21312006	2.1362985	286	434	164
8061	NM_001300844,NM_001300855	FOSL1	FOS like 1, AP-1 transcription fac	-1.029405399	-2.146876977	364.581325	354.974399	158.696553	9.26475664	9.22301416	8.16519676	24111	31295	13813
85416	NM_033132,NM_146224,NM_14	ZIC5	Zic family member 5	1.535939429	-2.147442391	0.299819	0.474499	0.130452	1.27880673	1.67459501	0.73352601	56	115	32
105370333	NR_132422	LOC105370333	uncharacterized LOC105370333	-1.004846625	-2.149339043	2.34328	2.341613	1.022305	1.73025772	1.72538257	1.05442063	91	121	52
64776	NM_001330371,NM_022761	C11orf1	chromosome 11 open reading fra	-2.234630121	-2.15187489	42.763117	19.181342	18.857424	5.37854443	4.26058819	4.31224251	1594	953	911
645644	NR_024492	FLJ42627	uncharacterized LOC645644	1.045060252	-2.152915264	1.799659	1.881891	0.783419	3.75828027	3.81727465	2.7696269	492	687	281
9047	NM_001161441,NM_001161442	SH2D2A	SH2 domain containing 2A	-1.126074431	-2.153855866	2.972419	2.685061	1.302456	2.46162969	2.32288731	1.62837236	177	210	101
9532	NM_004282	BAG2	BCL2 associated athanogene 2	-1.263005252	-2.153876502	6.833424	5.408387	2.975788	3.8730763	3.5618123	2.87519973	536	567	306
5837	NM_001164716,NM_005609	PYGM	glycogen phosphorylase, muscle	-1.118344437	-2.154131956	1.159872	1.037689	0.500952	2.26158951	2.13530335	1.46482043	149	178	85
56342	NM_001346139,NM_001346140	PPAN	peter pan homolog (Drosophila)	1.228974567	-2.154540114	25.485662	31.307449	11.11458	5.94057713	6.23366101	4.85998953	2372	3895	1354
23658	NM_001130710,NM_001139499	LSM5	LSM5 homolog, U6 small nuclear	-1.6164515	-2.155574002	35.96735	22.145356	15.545222	6.33265804	5.6507905	5.24506567	3125	2583	1783
440270	NM_001023567,NR_027410	GOLGA8B	golgin A8 family member B	-1.327429659	-2.155833149	41.154951	30.92999	18.104444	8.01039189	7.60358232	6.90858051	10084	10150	5753
6650	NM_005632	CAPN15	calpain 15	1.014701788	-2.156215472	33.750842	34.292229	14.712509	7.29401527	7.31493823	6.19607391	6122	8300	3492
7678	NM_001243740,NM_001297567	ZNF124	zinc finger protein 124	1.147084138	-2.156556023	3.493854	3.849968	1.565459	3.19790087	3.37562608	2.25996639	321	492	183
104413891	NR_126423	SAPCD1-AS1	SAPCD1 antisense RNA 1	-4.279234182	-2.156870517	2.372401	0.538773	1.022579	1.30878272	0.42561204	0.75138414	58	18	33
5682	NM_001143937,NM_002786,NM	PSMA1	proteasome subunit alpha 1	-1.730504886	-2.157446172	489.613283	284.017573	212.217967	9.18833387	8.39894129	8.08186059	22865	17654	13035
105371267	NR_136518,NR_147075	LOC105371267	p53-regulated lncRNA 1	-1.216273507	-2.15748604	0.558798	0.392861	0.191604	1.2010231	1.04792463	0.6785857	51	56	29
51504	NM_001286082,NM_001286084	TRMT112	tRNA methyltransferase 11-2 hor	-1.248505796	-2.157967363	128.22125	102.741191	55.690969	7.36372137	7.04568804	6.26412715	6427	6878	3663
60314	NM_021640	C12orf10	chromosome 12 open reading fra	-1.353856983	-2.15983082	47.598106	35.198898	20.700066	5.84088162	5.41266157	4.75878381	2211	2182	1259
3202	NM_019102	HOXA5	homeobox A5	-1.932663195	-2.160029474	3.875959	2.003065	1.681285	2.86114003	2.08433212	1.96321628	246	170	140
100505636	NR_102739,NR_102740,NR_102	LINC01024	long intergenic non-protein codin	-1.190601376	-2.161630002	2.280015	1.831347	0.94638	2.93987166	2.72348335	2.03057861	262	294	149
23590	NM_001321978,NM_001321979	PDSS1	decaprenyl diphosphate synthase	1.259348245	-2.162487161	7.813876	9.865091	3.36277	3.93444966	4.24761625	2.92718897	561	944	319
101928689	NR_109928	LINC01424	long intergenic non-protein codin	-1.267113606	-2.163209943	1.403393	1.116238	0.6073	1.5285023	1.31437719	0.90287695	74	78	42
122060	NM_001040153,NM_001242868	SLAIN1	SLAIN motif family member 1	-4.347966838	-2.164480131	1.00987	0.230239	0.477137	1.93632435	0.72085408	1.20457043	111	34	63
101928069	NR_120586	LOC101928069	uncharacterized LOC101928069	-1.214192653	-2.165746288	1.839182	1.511081	0.797564	1.33814853	1.1751656	0.76902392	60	66	34
64097	NM_001347887,NM_001347888	EPB41L4A	erythrocyte membrane protein ba	-1.734840894	-2.166648551	2.62423	1.57025	1.132126	3.70855202	2.99243508	2.71606984	474	365	269
348738	NM_182626	C2orf48	chromosome 2 open reading fran	1.060891531	-2.167694857	2.661023	2.827766	1.152761	2.57080169	2.64211237	1.71282633	194	275	110
84134	NM_001286373,NM_001286374	TOMM40L	translocase of outer mitochondria	-1.036558475	-2.167699913	5.872157	5.684597	2.54723	4.14225859	4.09343276	3.11821901	654	843	371
102723672	NR_134325	LOC102723672	uncharacterized LOC102723672	1.632966799	-2.168646777	0.706314	1.181832	0.308336	0.49317359	0.73744528	0.24657076	16	35	9
120227	NM_024514	CYP2R1	cytochrome P450 family 2 subfar	-1.530506246	-2.169504117	21.758478	14.226421	9.417546	5.14094677	4.54840945	4.0704925	1346	1175	763
6094	NM_000327	ROM1	retinal outer segment membrane	-1.666214513	-2.170257583	1.892327	1.137486	0.813744	2.15835987	1.62195412	1.37552141	136	109	77
103091866	NR_111954,NR_111955,NR_11	LOC103091866	uncharacterized LOC103091866	1.745541147	-2.171465385	1.763045	3.154749	0.801823	1.81624731	2.43393638	1.11084509	99	231	56
26784	NR_002326	SNORA64	small nucleolar RNA, H/ACA box	-1.220395336	-2.171993159	78.238335	64.215797	33.832657	3.48721804	3.22787299	2.51121823	401	439	227
84326	NM_001040160,NM_001040161	METTL26	methyltransferase like 26	-1.115044006	-2.172127491	97.683396	87.84184	40.683775	6.15789546	6.0031111	5.06221093	2764	3312	1565
221336	NM_001318539,NM_152731	BEND6	BEN domain containing 6	-1.108367596	-2.172987914	0.276168	0.250501	0.120043	0.99521185	0.92294555	0.54161868	39	47	22
29088	NM_014175	MRPL15	mitochondrial ribosomal protein L	-1.520846491	-2.175965197	91.602226	60.302822	39.557415	7.29471757	6.69460791	6.18379658	6125	5381	3462
112869	NM_138414	SGF29	SAGA complex associated factor	1.018512059	-2.178557691	20.090561	20.479427	8.661851	4.55559896	4.5809496	3.50257812	884	1203	499
79833	NM_024775	GEMIN6	gem nuclear organelle associate	-1.111296543	-2.178598176	42.78064	38.544731	18.431347	4.89885139	4.75196505	3.83119295	1132	1361	639
741	NM_014205	ZNHIT2	zinc finger HIT-type containing 2	1.162123069	-2.179026232	10.194747	11.86475	4.396986	3.83495865	4.03758735	2.82548777	521	809	294
100505576	NR_038847	LINC00672	long intergenic non-protein codin	-1.083103803	-2.180570098	6.363241	5.884134	2.743206	4.57884974	4.46867267	3.52351414	899	1109	507
55840	NM_001320041,NM_018456	EAF2	ELL associated factor 2	-1.059892799	-2.181099384	3.665017	3.493679	1.544881	2.20692365	2.14154997	1.40965954	142	179	80
627	NM_001143805,NM_001143806	BDNF	brain derived neurotrophic factor	-3.506478134	-2.181186194	3.460166	1.033155	1.563084	4.01620928	2.41343275	2.99246523	596	227	336
155006	NM_001085429	TMEM213	transmembrane protein 213	-1.980810008	-2.181305685	0.068079	0.034636	0.029249	0.29776659	0.15624221	0.14214747	9	6	5
2521	NM_001170634,NM_001170937	FUS	FUS RNA binding protein	1.099571753	-2.182729922	133.104483	146.366067	57.298737	9.37512289	9.51055757	8.25154925	26031	38209	14668
100846978	NR_047469,NR_104153	LINC00506	long intergenic non-protein codin	1.477519264	-2.182926902	0.482609	0.767021	0.206982	0.7602974	2.0043309	0.95003448	80	158	45
110091775	NM_001350338,NR_146638,NR	C21orf59-TCP10L	C21orf59-TCP10L readthrough	-1.015423587	-2.18571296	0.251144	0.185825	0.081354	1.29387258	1.28081328	0.73352601	57	75	32
128346	NM_001300834,NM_001300835	C1orf162	chromosome 1 open reading fran	-1.491934023	-2.18571296	1.454734	1.011067	0.656964	1.29387258	0.97983233	0.73352601	57	51	32
56902	NM_001329916,NM_001329917	PNO1	partner of NOB1 homolog	1.257675298	-2.187045132	15.878967	20.075157	6.794146	5.17592889	5.49851102	4.09342686	1380	2319	776
282890	NM_001010877,NM_001318534	ZNF311	zinc finger protein 311	1.011080122	-2.187157281	3.535314	3.506297	1.420156	3.20189991	3.21608274	2.2474368	322	435	181
100131691	NR_027334	MZF1-AS1	MZF1 antisense RNA 1	-1.153757302	-2.188262107	1.13742	0.987082	0.490874	1.96484452	1.81408935	1.21747621	114	132	64
10199	NM_005791	MPHOSPH10	M-phase phosphoprotein 10	1.015808987	-2.189200729	36.533176	37.158463	15.678107	6.48236777	6.50474646	5.37097154	3471	4711	1950
10748	NR_028045	KLRA1P	killer cell lectin like receptor A1, p	-1.24839133	-2.189796864	3.367292	2.702113	1.440538	3.04601354	2.76857683	2.10885534	285	305	160
330	NM_001165,NM_182962	BIRC3	baculoviral IAP repeat containing	-1.397114571	-2.189912463	11.179996	8.008673	4.795984	6.25250749	5.77753174	5.14391339	2954	2825	1659
92285	NM_152279	ZNF585B	zinc finger protein 585B	-1.621058411	-2.189953067	1.745257	1.078676	0.747898	3.53238053	2.91067539	2.54232458	415	342	233
400555	NR_146877	ZC3H18-AS1	ZC3H18 antisense RNA 1 (head	1.5555546	-2.190450515	1.061484	1.657411	0.453044	1.18495016	1.57657016	0.65979727	50	104	28
4116	NM_002370	MAGOH	mago homolog, exon junction co	-1.244034813	-2.190705589	107.061234	86.134872	45.910549	6.31845438	6.00782026	5.20836379	3094	3323	1737
65263	NM_001329866,NM_023078,NR	PYCR3	pyrroline-5-carboxylate reductase	1.386754286	-2.190967198	6.328389	8.793283	2.710446	4.44522507	4.89839912	3.39023607	816	1512	458
144608	NM_175874	C12orf60	chromosome 12 open reading fra	-1.243804262	-2.191447948	4.370718	3.530242	1.87657	2.53954085	2.28388661	1.67590018	189	203	106
51188	NM_016305	SS18L2	SS18 like 2	-1.097160907	-2.193713073	21.780075	19.877407	9.336938	4.37612225	4.24906335	3.32316088	776	945	435
285505	NR_147407,NR_147408,NR_14	LOC285505	uncharacterized LOC285505	1.041784979	-2.193961104	0.677589	0.935463	0.298444	2.0648444	2.11004283	1.29257653	125	174	70
9486	NM_004854	CHST10	carbohydrate sulfotransferase 10	1.940810436	-2.194052361	5.003019	9.723425	2.141644	3.89793981	4.8070381	2.87519973	546	1416	306
5303	NM_001170747,NM_006223,NR	PIN4	peptidylprolyl cis/trans isomerase	-1.244033996	-2.194457924	18.24854	14.636446	7.836744	4.60927912	4.30856691	3.54415067	919	987	515
79088	NM_001300883,NM_001318055	ZNF426	zinc finger protein 426	-3.092608119	-2.195725045	0.857027	0.276525	0.367945	2.7991369	1.5486383	1.89255394	234	101	131
6421	NM_005066,NR_136702,NR_13	SFPQ	splicing factor proline and glutam	1.452984107	-2.196849224	134.608899	187.906692	60.669197	8.54924642	9.08706746	7.41839939	14668	28476	8212
445329	NM_001017390,NM_001017390	SULT1A4	sulfotransferase family 1A memb	1.501647655	-2.196895972	5.644317	8.494514	2.41007	3.11973375	3.64989748	2.16988427	302	606	169
645323	NR_015436,NR_024383,NR_02	LINC00461	long intergenic non-protein codin	-1.84076809	-2.197373054	0.124892	0.066054	0.055464	0.54446555	0.31941552	0.27153692	18	13	10

113174	NM_138421	SAAL1	serum amyloid A like 1	-1.486123602	-2.197507631	63.12825	42.522762	26.99213	6.57161226	6.00739279	5.45374301	3695	3322	2068
113246	NM_001301834,NM_001301836	C12orf57	chromosome 12 open reading fra	-1.392934916	-2.198766744	93.932564	67.158202	39.784039	6.12246788	5.65243182	5.01031597	2696	2586	1508
143279	NM_001284274,NM_001348365	HECTD2	HECT domain E3 ubiquitin protei	-1.459017161	-2.199018034	5.150729	3.732555	2.849006	4.54619271	4.02918937	3.48133381	878	804	491
65990	NM_001271285,NM_023933	FAM173A	family with sequence similarity 17	-1.378968414	-2.199924415	32.884462	23.880616	14.032207	4.84999531	4.40518902	3.77118696	1093	1059	611
388561	NM_001008401,NM_001289951	ZNF761	zinc finger protein 761	-1.85984686	-2.199983241	13.302306	6.912835	6.944295	5.61808953	4.74787652	4.51532318	1889	1357	1056
145694	NR_132969,NR_132970,NR_13	LOC145694	uncharacterized LOC145694	-1.510966608	-2.200186302	1.204524	0.8037	0.505473	1.67378945	1.29208824	0.99569924	86	76	48
9907	NM_014855	AP5Z1	adaptor related protein complex 5	-1.19956702	-2.201235951	11.823423	9.869633	5.045914	6.01235445	5.75428199	4.90056614	2495	2779	1394
729967	NM_001145450	MORN2	MORN repeat containing 2	1.213080008	-2.201242725	19.242125	23.396698	8.202451	3.89793981	4.15956116	2.87112187	546	885	305
692227	NR_004380	SNORD104	small nucleolar RNA, C/D box 10	-1.530580022	-2.202795842	151.518478	99.20652	64.536369	3.68016614	3.1244438	2.66986823	464	405	259
5099	NM_001173523,NM_002589,NM	PCDH7	protocadherin 7	1.550128044	-2.202826414	0.144055	0.208042	0.042133	0.7550755	1.04792463	0.39027104	27	56	15
414189	NM_001077665	AGAP6	ArfGAP with GTPase domain, an	-1.770794744	-2.203876724	27.7096	15.665838	11.812453	6.24429046	5.43444861	5.12691319	2937	2216	1639
100505538	NR_038991	RBM26-AS1	RBM26 antisense RNA 1	-1.485693231	-2.204518139	0.829696	0.555431	0.3549	1.59082596	1.23481109	0.93448595	79	71	44
135398	NM_001145652,NR_146853,NR	C6orf141	chromosome 6 open reading fran	-1.340486362	-2.204688856	27.226709	20.444764	13.307178	6.15892439	5.74302869	5.04240188	2766	2757	1543
150274	NM_001318314,NM_001318315	HSCB	HscB mitochondrial iron-sulfur cl	1.206744093	-2.204946833	20.219352	24.059137	8.690926	4.45698495	4.71683753	3.39308282	823	1327	459
84153	NM_032193	RNASEH2C	ribonuclease H2 subunit C	1.125257727	-2.205493327	16.13743	18.173893	6.871198	5.48411762	5.6507905	4.3812499	1718	2583	958
136853	NM_080744	SSC4D	scavenger receptor cysteine rich	-1.092889162	-2.205571764	0.335172	0.303909	0.142398	0.93882015	0.8787583	0.49997203	36	44	20
692106	NR_003054	SNORD65	small nucleolar RNA, C/D box 65	-1.299432371	-2.209713368	25.529684	19.723911	10.865722	1.50279892	1.26944952	0.87055986	72	74	40
100113386	NR_027287	UCKL1-AS1	UCKL1 antisense RNA 1	-1.397606517	-2.210545106	0.646838	0.466654	0.273065	1.7191395	1.40024122	1.02535867	90	86	50
9071	NM_001160100,NM_006984,NM	CLDN10	claudin 10	-3.837728986	-2.211575983	3.381908	0.878951	1.432218	3.20189991	1.64851465	2.23479744	322	112	179
101927572	NM_001290056,NM_001347907	LOC101927572	uncharacterized LOC101927572	-1.048306737	-2.211917523	6.013766	5.759936	2.54059	2.29192162	2.23798388	1.46482043	153	195	85
100288413	NM_001242690,NM_024534	ERVMER34-1	endogenous retrovirus group ME	-1.767590224	-2.212212017	1.589406	0.891967	0.689433	2.48150547	1.84504029	1.61867597	180	136	100
8876	NM_004666	VNN1	vanin 1	-1.974788267	-2.214014287	7.357143	3.729187	3.123688	4.83591088	3.90250283	3.74913666	1082	732	601
6818	NM_177552,NM_177552_dup1	SULT1A3	sulfotransferase family 1A memb	1.501554595	-2.214342838	5.761425	8.665654	2.438865	3.14487866	3.67595308	2.18310266	308	618	171
63875	NM_022061	MRPL17	mitochondrial ribosomal protein L	-1.644231444	-2.214439016	73.33255	44.653465	31.121014	7.40896536	6.69699562	6.27226751	6633	5390	3684
121642	NM_001001655,NM_001145374	ALKBH2	alkB homolog 2, alpha-ketoglutar	-1.402934608	-2.214817665	37.534726	27.001781	15.850839	5.36076893	4.88636082	4.25549579	1574	1499	874
63940	NM_001276501,NM_022107	GPSM3	G protein signaling modulator 3	-2.09003555	-2.215072038	2.088751	0.989948	0.871969	2.01115992	1.29208824	1.24294651	119	76	66
80003	NM_001328607,NM_014801	PCNX2	pecanex homolog 2 (Drosophila)	1.214744455	-2.216831342	6.91453	8.056221	3.078016	5.34095955	5.61532337	4.23501577	1552	2519	861
280664	NM_172006,NM_172131	WFDC10B	WAP four-disulfide core domain	1.315049719	-2.218754406	1.19716	1.589365	0.498746	0.79797761	0.97983233	0.41288872	29	51	16
101928068	NR_111907	LOC101928068	uncharacterized LOC101928068	1.095109288	-2.219697588	0.955366	1.047462	0.402235	2.46162969	2.56983975	1.59908548	177	259	98
3119	NM_001243961,NM_002123	HLA-DQB1	major histocompatibility complex,	2.350343168	-2.220941032	0.310702	0.734314	0.129993	0.59399636	1.1381576	0.29607837	20	63	11
100132677	NR_038866	BSN-AS2	BSN antisense RNA 2 (head to h	-1.333736392	-2.220941032	0.20081	0.149054	0.076789	0.59399636	0.46599441	0.29607837	20	20	11
80868	NR_001317	HCG4B	HLA complex group 4B (non-prot	-2.648671182	-2.220941032	0.193872	0.074405	0.083566	0.59399636	0.25173066	0.29607837	20	10	11
84154	NM_001289111,NM_032194	RPF2	ribosome production factor 2 hon	-1.183777695	-2.221994669	13.773352	11.590507	5.816773	5.65210193	5.41395231	4.53478801	1935	2184	1071
57407	NM_001305141,NM_001305142	NMRAL1	NmrA like redox sensor 1	-1.076451256	-2.223026698	35.778339	33.231737	14.993002	5.52299658	5.41910375	4.40823586	1766	2192	977
2120	NM_001987	ETV6	ETS variant 6	-1.920129058	-2.223139529	10.156171	5.292598	4.292634	5.90973571	4.99038671	4.7861128	2321	1615	1284
79918	NM_001160305,NM_024860,NR	SETD6	SET domain containing 6	-1.092500769	-2.224165273	7.778143	7.124635	3.285529	4.54776468	4.42580931	3.46789548	879	1075	486
283234	NM_032251	CCDC88B	coiled-coil domain containing 88E	-2.000161747	-2.225912169	5.568782	2.786577	2.348274	4.79148701	3.84241755	3.69940604	1048	700	579
79791	NM_001282683,NM_024735	FBXO31	F-box protein 31	-3.785098089	-2.226302571	13.243059	3.500118	5.589137	6.28538667	4.41553601	5.15317881	3023	1067	1670
101927237	NR_110747	LOC101927237	uncharacterized LOC101927237	1.559465558	-2.226690163	0.141824	0.223789	0.06017	0.35634914	0.52452456	0.16897038	11	23	6
102465435	NR_106785	MIR6727	microRNA 6727	-1.463112773	-2.226690163	4.319699	3.011155	1.808534	0.35634914	0.25173066	0.16897038	11	10	6
5806	NM_002852	PTX3	pentraxin 3	1.940543063	-2.227407213	3.243529	6.312159	1.366535	2.83562844	3.69093766	1.90855849	241	625	133
162632	NR_003190	USP32P1	ubiquitin specific peptidase 32 ps	2.297963392	-2.228545844	0.265341	0.615683	0.109521	1.01352966	1.74192207	0.54161868	40	123	22
105374177	NR_135546	LINC02029	long intergenic non-protein codin	-1.124081718	-2.228844496	1.19193	1.067415	0.499565	1.46336426	1.3579479	0.83750224	69	82	38
79447	NM_024516	PAGR1	PAXIP1 associated glutamate ric	-1.057948622	-2.229683018	24.184736	22.891081	10.192932	6.50924151	6.42888693	5.37169332	3537	4467	1951
102465502	NR_106893	MIR6835	microRNA 6835	1.206439687	-2.232823593	12.37642	15.059041	5.293921	0.83964067	0.96581954	0.43515728	31	50	17
221143	NM_001318939,NM_174928,NR	EEF1AKMT1	EEF1A lysine methyltransferase	-1.140469787	-2.234036113	4.401278	3.910198	1.84238	2.10911668	2.04488597	1.37552141	140	164	77
9839	NM_001171653,NM_014795,NR	ZEB2	zinc finger E-box binding homeot	1.276161639	-2.234161516	0.142528	0.183514	0.05963	1.2010231	1.41062362	0.65979727	51	87	28
148645	NR_103534	LINC00337	long intergenic non-protein codin	-1.943068445	-2.234161516	0.808656	0.416737	0.337225	1.2010231	0.73744528	0.65979727	51	35	28
414332	NM_001001712	LCN10	lipocalin 10	-6.732261255	-2.234161516	0.657381	0.097086	0.277183	1.2010231	0.25173066	0.65979727	51	10	28
91860	NM_001031733,NM_001286694	CALML4	calmodulin like 4	-1.131033307	-2.23426867	6.24624	5.49505	2.612677	4.83462363	4.66357413	3.73574288	1081	1277	595
55556	NM_001126123,NM_001318759	ENOSF1	enolase superfamily member 1	1.155262951	-2.234898104	30.56177	34.44125	14.275683	6.88499551	7.09157983	5.7397392	4601	7102	2532
100293516	NM_001204818	ZNF587B	zinc finger protein 587B	-1.196024363	-2.236303447	13.171305	11.026269	5.531158	5.45425499	5.20242678	4.33314528	1682	1879	925
100506233	NR_038903	RAB30-AS1	RAB30 antisense RNA 1 (head to	-1.045343183	-2.236565959	11.711821	11.220328	4.907304	3.11973375	3.06324294	2.14982678	302	386	166
1119	NM_001277,NM_212469	CHKA	choline kinase alpha	-1.122634752	-2.237669992	93.019436	82.968088	39.035734	7.94553753	7.77936448	6.79074481	9639	11472	5298
100506076	NR_103732,NR_103732_dup1,N	LOC100506076	uncharacterized LOC100506076	10.88058363	-2.238543504	1.718133	15.377714	0.679621	1.04948198	3.6629841	0.56199967	42	612	23
221927	NM_001350626,NM_001350627	BRAT1	BRCA1 associated ATM activato	-1.286562071	-2.238830202	31.819649	24.819384	13.163942	6.58851186	6.22926863	5.44416735	3739	3883	2054
201651	NR_026915	AADACP1	arylacetamide deacetylase pseud	1.334495709	-2.239430507	5.802486	7.754285	2.425355	3.05045588	3.42255083	2.08792485	286	510	157
5705	NM_001199163,NM_002805	PSMC5	proteasome 26S subunit, ATPas	-1.193528946	-2.239776538	254.353367	213.198481	106.86674	8.40753107	8.15311728	7.24941912	13292	14880	7299
101928578	NR_110410	RAP2C-AS1	RAP2C antisense RNA 1	-1.723018298	-2.240625637	0.167408	0.096078	0.069631	0.64188297	0.40498891	0.32020933	22	17	12
387640	NM_207371	SKIDA1	SKI/DACH domain containing 1	-1.223447592	-2.240625637	0.085372	0.069304	0.035554	0.64188297	0.54351856	0.32020933	22	24	12
389633	NR_073395	FAM90A25P	family with sequence similarity 90	1.122057944	-2.240625637	0.299438	0.336002	0.121115	0.64188297	0.70406985	0.32020933	33	32	12
10471	NM_001185181,NM_001265595	PFDN6	prefoldin subunit 6	-1.475740795	-2.241168873	104.027621	69.315447	43.590407	5.96901418	5.41846082	4.83298924	2420	2191	1328
56954	NM_020202	NIT2	nitrilase family member 2	1.053391827	-2.24250653	54.589897	57.584068	22.872358	6.09960764	6.17358599	4.96032831	2653	3734	1455
652966	NR_002604	SNORD10	small nucleolar RNA, C/D box 10	1.045393691	-2.243483825	22.097424	23.294296	9.310829	2.07360076	2.12272838	1.28032816	126	176	69
55086	NM_001184782,NM_018015	CXorf57	chromosome X open reading frar	1.555642869	-2.245346017	1.267435	1.983208	0.536145	2.54584744	3.09255667	1.65707652	190	395	104
728658	NR_026712	RPL13AP5	ribosomal protein L13a pseudoge	1.027327814	-2.245468576	699.997559	719.942261	292.929962	8.81208037	8.85089183	7.64904459	17607	24168	9644
155370	NR_001588,NR_024109,NR_02	SBDSP1	SBDS, ribosome maturation facto	-2.369835448	-2.246992609	41.557431	17.217473	17.704301	6.04666898	4.83139279	4.9055589	2556	1441	1399
3199	NM_006735	HOXA2	homeobox A2	-2.028933843	-2.248354452	4.082592	2.013669	1.702438	3.01452812	2.16626946	2.05235145	278	183	152
158431	NM_001001662,NM_001346991	ZNF782	zinc finger protein 782	-1.019249956	-2.249207444	2.424801	2.3362	0.983056	3.43720745	3.41225421	2.42483178	386	506	211
149483	NM_001114938,NM_001190182	CCDC17	coiled-coil domain containing 17	-1.303832667	-2.252444674	3.299145	2.529679	1.375165	3.04155747	2.71093651	2.07380058	284	291	155
84942	NM_032856,NR_130944,NR_13	WDR73	WD repeat domain 73	1.086996461	-2.255129182	13.889485	15.196631	5.691289	5.51256989	5.63039253	4.37837968	1753	2546	956
54578	NM_001072,NM_205862	UGT1A6	UDP glucuronosyltransferase fan	5.691600122	-2.255256698	1.629308	12.862509	0.957246	2.3142594	4.56244519	1.46482043	156	1187	85
56983	NM_152305,NR_024265	POGLUT1	protein O-glucosyltransferase 1	1.586928889	-2.255873371	8.694701	14.060222	3.676521	4.97560474	5.62482969	3.85822657	1196	2536	652
116071	NM_001300807,NM_001300808	BATF2	basic leucine zipper ATF-like trar	-3.125099016	-2.256226587	4.072728	1.251198	1.636605	3.2058879	1.86027027	2.21562831	323	138	176
4586	NM_001304359	MUC5AC	mucin 5AC, oligomeric mucus/ge	-2.905736914	-2.256551079	0.15102	0.050278	0.063537	0.91952222	0.38406669	0.47868902	35	16	19
23029	NM_001346738,NM_015014,NR	RBM34	RNA binding motif protein 34	-1.952532715	-2.256657392	42.780017	21.813717	17.681414	6.54745809	5.59668916	5.39246953	3633	2486	1980
51305	NM_001282534,NR_104210	KCNK9	potassium two pore domain chan	-2.890600811	-2.257313626	0.22302	0.075416	0.094098	0.68823103	0.27846693	0.34394329	24	11	13
9657	NM_001023570,NM_001023571	IQCB1	IQ motif containing B1	1.141997503	-2.25750596	28.761218	32.478857	11.574215	6.14860191	6.33763751	4.99914873	2746	4190	1496
80742	NM_001077497,NM_025263	PRR3	proline rich 3	1.123331558	-2.259245688	4.114417	4.667715	1.721332	3.86048198	4.01734947	2.80425801	531	797	289
100500853	NR_037400	MIR3605	microRNA 3605	1.607015754	-2.259358144	3.367507	5.302142	1.349699	0.41264541	0.61708849	0.19530369	13	28	7
102466270	NR_106799	MIR6741	microRNA 6741	-1.442196925	-2.259358144	5.114667	3.453311	2.145526	0.41264541	0.29720487	0.19530369	13	12	7
3696	NM_002214	ITGB8	integrin subunit beta 8	-3.067030792	-2.261371098	2.447626	0.799113	1.015728	4.45531083	2.96803853	3.35854542	822	358	447
101928736	NR_110940,NR_110941,NR_11	MIR762HG	MIR762 host gene	-1.054302239	-2.261880861	2.247238	1.986718	0.788923	1.98354948	1.92688293	1.20457043	116	147	63
144568	NM_001282424,NM_144670	A2ML1	alpha-2-macroglobulin like 1	-3.954391795	-2.262176097	14.662053	3.708865	6.08886	6.25250749	4.32375395	5.09841735	2954	998	1606
141	NM_001125,NM_001291949,NM	ADPRH	ADP-ribosylarginine hydrolase	1.09037025	-2.262757422	1.069998	1.169565	0.441816	2.27683528	2.37683491	1.43197761	151	220	82
196483	NM_001289029,NM_201400,NM	EEF2KMT	eukaryotic elongation factor 2 lys	1.202008495	-2.26321902	10.627246	12.747971	4.359823	4.66538426	4.92127111	3.5569002	957	1537	520
83468	NM_001316967,NM_031302	GLT8D2	glycosyltransferase 8 domain cor	1.184609627	-2.263946521	0.550976	0.673673	0.218717	1.15225689	1.29208824	0.62147005	48	76	26
282973	NM_001105521,NM_001323086	JAKMIP3	Janus kinase and microtubule int	1.728709417	-2.268217558	0.237399	0.408937	0.097697	1.35261029	1.88281796	0.75138414	61	141	33
79752	NM_001170796,NM_001170797	ZFAND1	zinc finger AN1-type containing 1	-3.012271741	-2.268338441	24.855849	8.886497	12.478065	5.71781173	4.18094712	4.57043432	2027	899	1099
57673	NM_001080450	BEND3	BEN domain containing 3	1.109004225	-2.269583872	1.833865	2.034559	0.75866	3.6887407	3.82699692	2.64141996	467	692	253
3705	NM_001142593,NM_001142594	ITPK1	inositol-tetrakisphosphate 1-kinas	-11.40308924	-2.269610347	36.349768	3.656356	15.226179	6.90873898	3.51686905	5.74141559	4678	548	2535
160140	NM_001330368,NM_001351110	C11orf65	chromosome 11 open reading fra	-4.147256701	-2.271166097	0.471701	0.24029	0.251208	1.18495016	0.38406669	0.64076093	50	16	27
3115	NM_002121	HLA-DPB1	major histocompatibility complex,	1.552168076	-2.271640868	0.167167	0.260267	0.068912	0.73313634	1.02107213	0.36729312	26	54	14
79413	NM_024508	ZBED2	zinc finger BED-type containing 2	-3.597804618	-2.272950803	8.246511	2.287324	3.411434	4.22515306	2.56520021	3.13532137	695	258	376
79906	NM_001301060,NM_024848,NR	MORN1	MORN repeat containing 1	1.753709785	-2.273115893	2.214103	3.798496	0.96969	3.08551061	3.82117143	2.10191219	294	689	159
57103	NM_020375	TIGAR	TP53 induced glycolysis regulato	-1.028642218	-2.274011815	2.340414	2.278222	0.965192	4.30354226	4.26488638	3.20825259	736	956	398
10588	NM_001199758,NM_006441,NR	MTHFS	methenyltetrahydrofolate synthet	-1.090450611	-2.274549792	16.562028	15.269915	6.806037	5.28079072	5.15920994	4.14161942	1487	1822	804
393	NM_001164741,NM_001666	ARHGAP4	Rho GTPase activating protein 4	-1.272312072	-2.276028777	1.592048	1.217117	0.637687	2.60744196	2.32288731	1.69448139	200	210	108
440248	NR_036443	HERC2P9	hect domain and RLD 2 pseudog	-1.336551691	-2.278308362	26.639236	19.950151	10.985906	6.2749846	5.86270836	5.1105753	3001	3000	1620

54922	NM_017805	RASIP1	Ras interacting protein 1	-2.224333475	-2.278488209	0.908893	0.407755	0.372553	1.97422731	1.21124797	1.19154816	115	69	62
285268	NM_001098414,NM_001287245	ZNF621	zinc finger protein 621	-1.572629575	-2.278497312	10.272076	6.978678	4.23532	6.42364978	5.78003646	5.25683459	3331	2830	1798
100616477	NR_039644	MIR4442	microRNA 4442	-2.463050374	-2.282963826	0.595365	0.078209	0.174273	0.07168335	0.02724389	0.02957205	2	1	1
135458	NM_148959	HUS1B	HUS1 checkpoint clamp compon	2.892476179	-2.282963826	0.050997	0.149623	0.007908	0.07168335	0.20477631	0.02957205	2	8	1
728945	NM_001164262,NM_001164262	PPIAL4F	peptidylprolyl isomerase A like 4F	-2.463050374	-2.282963826	0.041147	0.018049	0.025463	0.07168335	0.02724389	0.02957205	2	1	1
677840	NR_003018	SNORA71D	small nucleolar RNA, H/ACA box	2.537265386	-2.282963826	0.317209	0.914123	0.106122	0.07168335	0.18071335	0.02957205	2	7	1
100847090	NR_049819	MIR5187	microRNA 5187	-1.313695475	-2.282963826	0.447702	0.417898	0.006944	0.07168335	0.05398282	0.02957205	2	2	1
285965	NR_033897	EPHA1-AS1	EPHA1 antisense RNA 1	1.471633007	-2.282963826	0.01038	0.015631	0.003965	0.07168335	0.10601836	0.02957205	2	4	1
101060351	NM_001291464,NM_001291464	TBC1D3K	TBC1 domain family member 3K	-2.463050374	-2.282963826	0.02103	0.008645	0.009679	0.07168335	0.02724389	0.02957205	2	1	1
102465906	NR_107057,NR_107057_dup1	MIR7112	microRNA 7112	-1.313695475	-2.282963826	0.65287	0.553861	0.266409	0.07168335	0.05398282	0.02957205	2	2	1
106635682	NR_132979	SNORD140	small nucleolar RNA, C/D box 14	-1.313695475	-2.282963826	0.352918	0.230303	0.046865	0.07168335	0.05398282	0.02957205	2	2	1
7152	NR_001283	TOP1P2	topoisomerase (DNA) I pseudoge	-1.313695475	-2.282963826	0.021571	0.025809	0.00165	0.07168335	0.05398282	0.02957205	2	2	1
100419868	NR_051997	ZNF33BP1	zinc finger protein 33B pseudoge	1.471633007	-2.282963826	0.042264	0.0475	0.015506	0.07168335	0.10601836	0.02957205	2	4	1
100500854	NR_037443	MIR3671	microRNA 3671	-1.313695475	-2.282963826	0.314948	0.264648	0.161921	0.07168335	0.05398282	0.02957205	2	2	1
100616112	NR_039956	MIR4793	microRNA 4793	-2.463050374	-2.282963826	0.304706	0.205902	0.179305	0.07168335	0.02724389	0.02957205	2	1	1
100616214	NR_039813	MIR4667	microRNA 4667	-2.463050374	-2.282963826	0.61616	0.113211	0.281863	0.07168335	0.02724389	0.02957205	2	1	1
102465434	NR_106784	MIR6726	microRNA 6726	-1.313695475	-2.282963826	0.664541	0.50746	0.02271	0.07168335	0.05398282	0.02957205	2	2	1
102465468	NR_106839	MIR6781	microRNA 6781	-2.463050374	-2.282963826	0.469478	0.233497	0.250472	0.07168335	0.02724389	0.02957205	2	1	1
102465536	NR_106950	MIR6890	microRNA 6890	-2.463050374	-2.282963826	0.734605	0.160669	0.184926	0.07168335	0.02724389	0.02957205	2	1	1
102465665	NR_106957	MIR7107	microRNA 7107	1.471633007	-2.282963826	0.375583	0.793283	0.192956	0.07168335	0.10601836	0.02957205	2	4	1
102466737	NR_106851	MIR6793	microRNA 6793	-1.313695475	-2.282963826	0.444039	0.576065	0.276437	0.07168335	0.05398282	0.02957205	2	2	1
219927	NM_181514,NM_181515	MRPL21	mitochondrial ribosomal protein L	-1.137335098	-2.28296687	122.551278	107.872044	50.336796	6.39599007	6.21267709	5.22683144	3267	3838	1760
282808	NM_001031834	RAB40AL	RAB40A, member RAS oncogen	-1.33294858	-2.283997511	0.355936	0.27593	0.143283	0.46682716	0.36283659	0.22116494	15	15	8
284904	NM_001161368,NM_174977	SEC14L4	SEC14 like lipid binding 4	3.838243788	-2.284075211	0.33537	1.117572	0.132848	0.77668602	1.90501868	0.39027104	28	144	15
442454	NR_002308	UQCRBP1	ubiquinol-cytochrome c reductas	-1.288626097	-2.284075211	0.908204	0.700936	0.363651	0.77668602	0.63490936	0.39027104	28	29	15
7561	NM_021030	ZNF14	zinc finger protein 14	-1.941264928	-2.284161119	5.059463	2.609463	2.079084	3.96536097	3.09255667	2.88736461	574	395	309
6836	NM_001280788,NM_001280789	SURF4	surfeit 4	1.291841773	-2.287608259	56.416514	72.783777	23.099483	7.39068734	7.75817851	6.2078435	6549	11304	3521
147657	NM_001297624,NM_001297625	ZNF480	zinc finger protein 480	-1.577546296	-2.28806625	5.079697	3.220494	2.081648	4.61228705	3.98818428	3.49199507	921	780	495
1102	NM_001268,NM_001286830,NM	RCBTB2	RCC1 and BTB domain containir	1.370004277	-2.288951607	1.093926	1.495951	0.444507	2.15835987	2.52275889	1.32870978	136	249	73
4682	NM_001278506,NM_001323594	NBP1	nucleotide binding protein 1	-1.211221807	-2.289336704	37.001285	30.733932	15.227696	5.47505833	5.20541148	4.32123795	1707	1893	917
387496	NM_001331126,NM_206827	RASL11A	RAS like family 11 member A	1.309169468	-2.289950208	1.003665	1.233379	0.376825	1.27880673	1.52015496	0.69713258	56	98	30
51427	NM_001013746,NM_001282359	ZNF107	zinc finger protein 107	-1.468024426	-2.290004655	16.217552	11.44723	6.816615	6.4124769	5.86648449	5.23874944	3305	3008	1775
94015	NM_001330453,NM_032646,NM	TTYH2	tweety family member 2	-1.193649627	-2.290645224	1.161618	0.975226	0.495871	2.27683528	2.07783221	1.42086173	151	169	81
9641	NM_001193321,NM_001193322	IKBKE	inhibitor of nuclear factor kappa E	1.235638695	-2.290818256	4.886201	6.04049	2.009003	4.11070049	4.39998757	3.0185082	639	1055	343
134637	NM_001286259,NM_182503	ADAT2	adenosine deaminase, tRNA spe	-2.086704232	-2.29134783	7.556125	3.661349	3.158142	5.76520168	4.7324405	4.60276393	2096	1342	1125
6817	NM_001055,NM_177529,NM_17	SULT1A1	sulfotransferase family 1A memb	1.115054527	-2.292749897	15.11653	16.323956	6.446322	4.48351009	4.63397275	3.36725759	839	1250	450
400960	NM_033872	PCBP1-AS1	PCBP1 antisense RNA 1	1.496121117	-2.293343886	0.778163	1.164945	0.315433	1.48977343	1.89025622	0.83750224	71	142	38
146712	NM_001009905,NM_001320742	B3GNTL1	UDP-GlcNAc:betaGal beta-1,3-N	-2.01171613	-2.293379578	10.176593	4.911819	4.123498	4.94848917	3.98645018	3.8100476	1173	779	629
348926	NR_130740,NR_130741,NR_13	FAM86EP	family with sequence similarity 8	1.087390517	-2.294446235	4.398935	5.782448	2.300962	3.62762016	3.73910482	2.57277436	446	648	239
26817	NR_000019	SNORD34	small nucleolar RNA, C/D box 34	-1.384484666	-2.29568619	56.164719	40.594112	22.731928	2.20692365	1.85267538	1.36396013	142	137	76
3787	NM_001322799,NM_002251	KCNS1	potassium voltage-gated channel	-3.150462734	-2.295717959	0.78824	0.247951	0.320778	2.41415945	1.24644988	1.52834475	170	72	91
728489	NM_001080849,NR_073565	DNLZ	DNL-type zinc finger	-1.178457258	-2.298344324	16.968439	14.460928	6.923291	3.7418939	3.5240591	2.67455554	486	551	260
100527950	NR_037633,NR_037634,NR_03	GJA9-MYCBP	GJA9-MYCBP readthrough	-1.013593309	-2.299046411	0.884696	0.787527	0.329478	1.69664266	1.68318474	0.98063768	88	116	47
100529261	NM_001202558,NM_001202559	CHURC1-FNTB	CHURC1-FNTB readthrough	-2.290515824	-2.300126252	4.874779	2.111881	1.975275	3.87056622	2.79655578	2.79136857	535	312	286
8515	NM_001303040,NM_001303041	ITGA10	integrin subunit alpha 10	-5.508341745	-2.300511593	3.094504	0.558528	1.262077	4.07625981	1.95552917	2.98115841	623	151	333
84125	NM_001079910	LRRC66	leucine rich repeats and IQ motif	1.510604388	-2.302920494	0.501616	0.760659	0.202545	1.87753473	2.33383942	1.11084509	105	212	56
401541	NM_001012267,NM_001286969	CENPP	centromere protein P	-1.424587847	-2.304632544	3.484908	2.261199	1.307478	3.54187697	3.08285145	2.4901017	418	392	223
677842	NR_002995	SNORA50C	small nucleolar RNA, H/ACA box	-1.224396859	-2.305487924	15.062258	12.236968	6.018948	1.56621863	1.37924953	0.88680889	77	84	41
84946	NM_001329953,NM_032860	LTV1	LTV1 ribosome biogenesis factor	-1.074445033	-2.305635776	32.327032	30.814794	13.442433	5.98011746	5.87822158	4.80440514	2439	3033	1301
117144	NM_053054	CATSPER1	cation channel sperm associated	-1.141611088	-2.307171616	2.277814	1.99848	0.92401	2.27249458	2.61093762	1.81825156	229	268	122
9132	NM_004700,NM_172163	KCNQ4	potassium voltage-gated channel	-2.914459594	-2.308669324	0.594281	0.202685	0.243288	1.76310734	0.86372326	1.02535867	94	43	50
339977	NM_001024611	LRRC66	leucine rich repeat containing 66	1.110677759	-2.310315947	0.967754	1.077355	0.391788	2.07360076	2.19057252	1.25551499	126	187	67
106736475	NR_133914	PCF11-AS1	PCF11 antisense RNA 1	1.290176776	-2.310549718	3.326277	4.29881	1.35036	2.88122939	3.20419534	1.90855849	250	431	133
5008	NM_001319108,NM_020530	OSM	oncostatin M	-1.128476299	-2.311002168	0.623737	0.548219	0.253528	1.16869613	1.07428646	0.62147005	49	58	26
145957	NM_138573	NRG4	neuregulin 4	-1.534893724	-2.317205677	1.196361	0.776124	0.480513	1.82664439	1.41062362	1.06873498	100	87	53
79837	NM_001146258,NM_001146259	PIP4K2C	phosphatidylinositol-5-phosphate	-1.399083811	-2.317434488	18.13958	12.848855	7.431435	5.83316755	5.35872169	4.65350501	2199	2100	1167
9154	NM_001287761,NM_001287762	SLC28A1	solute carrier family 28 member	1.964133983	-2.318693703	0.229296	0.427214	0.0719	0.56944351	0.96581954	0.27153692	19	50	10
7023	NM_003223	TFAP4	transcription factor AP-4	1.079613316	-2.321912301	10.518494	11.371551	4.252831	4.51920371	4.62508404	3.38452567	861	1242	456
728833	NM_001345942,NM_207418,NR	FAM72D	family with sequence similarity 7	1.133140051	-2.321977948	0.983299	1.165355	0.375095	1.47662927	1.59489542	0.82068496	70	106	37
1416	NM_033733,NR_033734	CRYBB2P1	crystallin beta B2 pseudogene 1	-1.133782485	-2.322535688	8.955163	8.115885	3.67927	3.80635139	3.63890054	2.72060965	510	601	270
80161	NR_026710_chrX,NR_026710_c	ASMTL-AS1	ASMTL antisense RNA 1	1.082422218	-2.324395267	4.419437	4.892275	1.864328	3.35699061	3.46052158	2.3150407	363	525	192
100775104	NR_046220	KLHL7-AS1	KLHL7 antisense RNA 1 (head to	-1.575712974	-2.325593581	0.729587	0.459718	0.295108	1.50279892	1.11294744	0.83750224	72	61	38
79612	NM_001110798,NM_018527,NM	NAA16	N(alpha)-acetyltransferase 16, N	-1.270653304	-2.326477174	9.118005	7.511513	3.809307	5.19411105	4.85913858	4.02716981	1398	1470	739
100506497	NR_038965	LOC100506497	uncharacterized LOC100506497	-1.335744355	-2.328635488	0.894462	0.670221	0.361049	2.0823043	1.77444288	1.25551499	127	127	67
100129361	NM_001271592	SMIM10L1	small integral membrane protein	-1.38012484	-2.330260186	8.466083	6.140603	3.414042	5.3544954	4.90300262	4.18003621	1567	1517	827
10799	NM_001286132,NM_001286133	RPP40	ribonuclease P/MRP subunit p40	1.321947324	-2.330457168	8.595381	11.252979	3.483233	3.42014445	3.78969848	2.36808966	381	673	201
84517	NM_032487	ACTRT3	actin related protein T3	1.409501924	-2.33056151	1.680607	2.377449	0.671864	2.09955541	2.49375478	1.26797492	129	243	68
51025	NM_016069	PAM16	presequence translocase associa	-1.442560883	-2.330967955	66.449631	46.122673	26.780565	5.34638914	4.83332352	4.17177132	1558	1443	822
5101	NM_001318372,NM_001318373	PCDH9	protocadherin 9	1.281595487	-2.331369074	0.105054	0.15078	0.047487	0.61813834	0.75384785	0.29607837	21	36	11
10870	NM_001007469,NM_014266	HCST	hematopoietic cell signal transdu	-2.780399894	-2.331369074	1.036808	0.343025	0.418641	0.61813834	0.25173066	0.29607837	21	10	11
27000	NM_001129887,NM_014377	DNAJC2	DnaJ heat shock protein family (H	-1.839455874	-2.332397934	69.405324	37.810604	27.941443	7.23083465	6.35957387	6.02172512	5858	4255	3089
8809	NM_001282399,NM_003855	IL18R1	interleukin 18 receptor 1	1.271389715	-2.332762168	3.046712	3.902797	1.21752	3.56379523	3.88399359	2.49540988	425	722	224
728888	NM_001310137	NPIPB11	nuclear pore complex interacting	-1.24236728	-2.333683045	31.425488	25.319342	12.650505	6.7549426	6.44507592	5.54998966	4201	4518	2214
644165	NR_024494	BCRP3	breakpoint cluster region pseudo	2.316624328	-2.333974813	0.720798	1.692764	0.294292	1.01352966	1.75012126	0.52094563	40	124	21
100507633	NR_108070,NR_108071	TNKS2-AS1	TNKS2 antisense RNA 1 (head to	-1.44274563	-2.333974813	1.473313	1.029361	0.568537	1.01352966	0.77006602	0.52094563	40	37	21
3123	NM_001243965,NM_002124	HLA-DRB1	major histocompatibility complex,	1.533956389	-2.334906874	1.266995	1.937722	0.501025	1.32354034	1.72538257	0.71544405	59	121	31
92017	NM_032167	SNX29	sorting nexin 29	1.011265682	-2.336403605	3.94543	3.993894	1.585307	5.01818353	5.03385092	3.85203285	1233	1666	649
25807	NM_001329536,NM_012265,NR	RHBDD3	rhomboid domain containing 3	1.035298834	-2.336776673	18.146387	18.352944	7.178028	4.93413697	4.98257976	3.77118696	1161	1606	611
8942	NM_001032998,NM_001199241	KYNU	kynureninase	1.271809088	-2.337121549	7.49111	9.530784	3.000544	3.72253824	4.04593672	2.63662357	479	814	252
401039	NR_034162	LINC01940	long intergenic non-protein codin	-1.537201182	-2.338059424	0.735651	0.47873	0.294387	1.81624731	1.40024122	1.05442063	99	86	52
118980	NM_001350989,NM_178858,NR	SFXN2	sideroflexin 2	-1.518792235	-2.338313668	4.108115	2.719585	1.648846	3.50674676	2.96803853	2.44142817	407	358	214
644068	NR_077246	RPS14P3	ribosomal protein S14 pseudogen	-1.568222219	-2.340351784	3.130216	1.999811	1.2552	1.83696709	1.40024122	1.06873498	101	86	53
284958	NM_001350494	NT5DC4	5'-nucleotidase domain containin	1.332618142	-2.341955883	0.334368	0.447748	0.131568	0.66524311	0.83317479	0.32020933	23	41	12
1296	NM_001294347,NM_005202	COL8A2	collagen type VIII alpha 2 chain	-1.532732075	-2.341955883	0.128997	0.086379	0.050633	0.66524311	0.46599441	0.32020933	23	20	12
1876	NM_001278275,NM_001278276	E2F6	E2F transcription factor 6	-1.049374242	-2.342724438	15.094233	14.468772	6.108891	5.62852628	5.56043221	4.43886489	1903	2423	999
197135	NM_001145112,NM_001330283	PATL2	PAT1 homolog 2	-1.64959348	-2.345247754	1.683895	1.016454	0.669429	2.07360076	1.55800914	1.24294651	126	102	66
389602	NM_001291913,NR_144629	LOC389602	uncharacterized LOC389602	-1.291446038	-2.3453666	1.651314	1.298757	0.659522	3.06808971	2.74825434	2.05235145	290	300	152
57701	NM_001037806	NCKAP5L	NCK associated protein 5 like	1.286011499	-2.34619972	5.303803	6.832527	2.122839	4.71799337	5.06868717	3.55943664	994	1708	521
8651	NM_003745	SOCS1	suppressor of cytokine signaling	-1.412930735	-2.346955029	2.752753	1.944266	1.094817	2.09095564	1.72538257	1.25551499	128	121	67
51605	NM_001281467,NM_015939	TRMT6	tRNA methyltransferase 6	-1.327876146	-2.34737833	19.831496	15.042617	7.987391	5.53176069	5.13280125	4.34201172	1777	1788	931
103611081	NR_125382	LOC103611081	uncharacterized LOC103611081	-1.878250983	-2.348175811	4.010088	2.135849	1.600234	4.05430925	3.21903935	2.9350236	613	436	321
55120	NM_001114636,NM_018062	FANCL	Fanconi anemia complementatio	-1.108827951	-2.349528787	89.094225	80.368	35.644713	7.23107927	7.08308558	6.01157269	5859	7060	3067
347918	NR_003290	EP400NL	EP400 N-terminal like	-1.1206715	-2.350312612	6.984688	6.239398	2.791679	3.51962058	3.37031674	2.44691815	411	490	215
100287569	NR_027345,NR_027346	LINC00173	long intergenic non-protein codin	-1.514973881	-2.350931046	0.831579	0.411631	0.283805	0.71085839	0.50527715	0.34394329	25	22	13
114818	NM_052920	KLHL29	kelch like family member 29	-3.34682378	-2.351637229	5.940909	1.775727	2.372546	4.92690697	3.29105133	3.75578721	1155	461	604
5554	NM_001291314,NM_001291315	PRH1	proline rich protein HaeIII subfam	-1.198043723	-2.352477898	2.591293	2.094111	0.984173	1.9554003	1.76638114	1.15176086	113	126	59
65988	NM_001305018,NM_001305019	ZNF747	zinc finger protein 747	1.065601798	-2.354158233	4.030411	4.274516	1.603765	3.8780834	3.96371513	2.7696269	538	766	281
56931	NM_001161619,NM_020175	DUS3L	dihydrouridine synthase 3 like	-1.144720876	-2.355323666	23.487246	20.547403	9.418138	5.62331734	5.4325394	4.42641333	1896	2213	990
100652768	NR_045215	LOC100652768	uncharacterized LOC100652768	1.160532747	-2.355645155	4.335296	5.053139	1.72474	2.64904502	2.83174937	1.69448139	207	321	108

684959	NR_003028	SNORA25	small nucleolar RNA, H/ACA box	-1.704927985	-2.360251279	42.976154	25.198441	16.979231	2.70647097	2.08433212	1.73991364	217	170	113
26809	NR_000014	SNORD42A	small nucleolar RNA, C/D box 42	-1.508817593	-2.361809499	21.396082	14.170588	8.403049	1.21691895	0.90836632	0.64076093	52	46	27
91801	NM_001301010,NM_138775	ALKBH8	alkB homolog 8, tRNA methyltrar	-1.341334645	-2.362233824	6.555951	4.901597	2.607904	4.75384679	4.3482657	3.58455875	1020	1016	531
342132	NM_001004309	ZNF774	zinc finger protein 774	-1.273321492	-2.363497892	1.450977	1.134307	0.5683	1.84721644	1.60397149	1.06873498	102	107	53
112464	NM_145040	CAVIN3	caveolae associated protein 3	-1.526828817	-2.364255927	45.629261	29.918404	18.13175	5.55695766	4.96243097	4.3566691	1809	1583	941
2395	NM_000144,NM_001161706,NM	FXN	frataxin	1.060204028	-2.365468797	4.140437	4.280076	1.74997	4.5509035	4.6317557	3.39023607	881	1248	458
130576	NM_001317002,NM_001317003	LYPD6B	LY6/PLAUR domain containing 6	7.315384361	-2.365712158	0.066197	0.49401	0.025414	0.13997292	0.81765451	0.0585501	4	40	2
25928	NM_015464	SOSTDC1	sclerostin domain containing 1	4.399653266	-2.365712158	0.05599	0.251291	0.021389	0.13997292	0.54351856	0.0585501	4	24	2
100507140	NR_037886	LINC01792	long intergenic non-protein codin	1.666155364	-2.365712158	0.045108	0.081225	0.013708	0.13997292	0.2284445	0.0585501	4	9	2
109623464	NR_145807	SNORA119	small nucleolar RNA, H/ACA box	1.666155364	-2.365712158	0.723105	1.169844	0.16492	0.13997292	0.2284445	0.0585501	4	9	2
100302185	NR_031609	MIR1204	microRNA 1204	1.848388558	-2.365712158	1.287381	2.858992	0.404669	0.13997292	0.25173066	0.0585501	4	10	2
102466223	NR_106964	MIR7114	microRNA 7114	-1.74594355	-2.365712158	1.358807	0.6904	0.528824	0.13997292	0.08023518	0.0585501	4	3	2
692208	NR_003073	SNORD91B	small nucleolar RNA, C/D box 91	1.483922171	-2.365712158	1.108376	1.780529	0.315265	0.13997292	0.20477631	0.0585501	4	8	2
102465521	NR_106924	MIR6864	microRNA 6864	-4.801002825	-2.365712158	1.369119	0.250912	0.395807	0.13997292	0.02724389	0.0585501	4	1	2
2022	NM_000118,NM_001114753,NM	ENG	endoglin	1.080965012	-2.367528366	0.663962	0.738242	0.263783	1.61502061	1.69172362	0.90287695	81	117	42
9310	NM_004234	ZNF235	zinc finger protein 235	-1.45503838	-2.368059402	3.205708	2.200444	1.270822	3.45407101	2.97154911	2.37961802	391	359	203
100048912	NR_003529,NR_047532,NR_04	CDKN2B-AS1	CDKN2B antisense RNA 1	1.155291814	-2.368685781	1.289915	2.52467	0.688658	2.34351507	2.5131555	1.4430085	160	247	83
100131454	NR_024120	DBIL5P	diazepam binding inhibitor-like 5,	-1.149954219	-2.37118268	0.267157	0.231288	0.10297	0.83964067	0.75384785	0.41288872	31	36	16
389125	NM_205853	MUSTN1	musculoskeletal, embryonic nucl	-1.223270745	-2.373665708	3.102941	2.547606	1.225971	1.6852613	1.49109792	0.95003448	87	95	45
7786	NM_001193511,NM_006301	MAP3K12	mitogen-activated protein kinase	-1.03381344	-2.374230687	3.231756	3.146	1.2731	3.63355401	3.58949269	2.53718654	448	579	232
85371	NR_046312	KIAA1656	KIAA1656 protein	1.134471603	-2.375128189	1.844629	2.095657	0.73007	3.87558202	4.04593672	2.75642288	537	814	278
100302652	NM_001164165	GPR75-ASB3	GPR75-ASB3 readthrough	-2.158793129	-2.377171576	6.933938	3.210681	2.738881	3.8375314	2.83945493	2.72060965	522	323	270
100287932	NM_006327,NR_073029,NR_07	TIMM23	translocase of inner mitochondria	-1.552061852	-2.377863724	95.988027	61.908887	37.957091	6.85292913	6.22559808	5.62030952	4499	3873	2327
10528	NM_006392,NR_027700,NR_14	NOP56	NOP56 ribonucleoprotein	1.403268331	-2.378668921	209.33807	298.95096	83.924498	8.77103249	9.25887663	7.5254108	17112	32084	8848
100132247	NM_001135865	NPIPB5	nuclear pore complex interacting	-1.170686044	-2.381181864	229.268738	196.059418	90.481094	9.73611483	9.50904853	8.48676495	33443	38169	17274
58486	NM_001143667,NM_021211	ZBED5	zinc finger BED-type containing 5	-1.309530347	-2.381758844	65.868188	50.498736	26.059689	7.46473982	7.07820918	6.22392145	6896	7036	3561
103352539	NR_121647	LINC01410	long intergenic non-protein codin	1.728731526	-2.383244282	2.870439	4.967535	1.125687	3.17773766	3.89881993	2.1294865	316	730	163
100131998	NR_027460	RRN3P3	RRN3 homolog, RNA polymerase	1.229302844	-2.384801473	3.054824	3.758798	1.202156	3.0724647	3.33804373	2.0378728	291	478	150
389170	NM_001004316,NM_001193283	LEKR1	leucine, glutamate and lysine rich	-1.375668878	-2.386643999	1.307525	0.986936	0.49602	1.8573935	1.5392062	1.06873498	100	103	53
388389	NM_001258395,NM_001258396	CCDC103	coiled-coil domain containing 103	1.204181148	-2.389461475	3.656374	4.387487	1.402469	2.84588727	3.07960182	1.84344662	243	391	125
374887	NM_001190328,NM_198537	YJEFN3	YjeF N-terminal domain containir	1.01176958	-2.392522669	11.062549	11.342254	4.533354	3.58538547	3.60087125	2.48477392	432	584	222
7307	NM_001025203,NM_001025204	U2AF1	U2 small nuclear RNA auxiliary fa	1.133564687	-2.394853067	133.081721	151.061804	52.223276	6.96570757	7.14521738	5.72173543	4868	7373	2500
100287404	NM_001256860	USP17L19	ubiquitin specific peptidase 17-lik	-1.328298723	-2.39571909	0.093609	0.064119	0.035816	0.20517559	0.15624221	0.08695753	6	6	3
102465510	NR_106906	MIR6847	microRNA 6847	-1.586572606	-2.39571909	2.177291	1.38103	0.768669	0.20517559	0.13134883	0.08695753	6	5	3
2516	NM_004959	NR5A1	nuclear receptor subfamily 5 grou	-2.596168628	-2.39571909	0.050633	0.015452	0.012917	0.20517559	0.08023518	0.08695753	6	3	3
102466759	NR_106954	MIR6894	microRNA 6894	1.61071536	-2.39571909	2.631124	4.351376	1.024238	0.20517559	0.31941552	0.08695753	6	13	3
109623467	NR_145809	SNORD150	small nucleolar RNA, C/D box 15	-3.807641671	-2.39571909	1.782075	0.406265	0.624682	0.20517559	0.05398282	0.08695753	6	2	3
259236	NM_147196	TMIE	transmembrane inner ear	1.014509968	-2.398013793	0.632176	0.642191	0.236506	1.10178443	1.11294744	0.56199967	45	61	23
100874362	NR_102279	HOXB-AS1	HOXB cluster antisense RNA 1	-1.038635636	-2.400664474	13.502043	13.025579	5.288279	3.52282116	3.47295962	2.42483178	412	530	211
11151	NM_001193333,NM_007074	CORO1A	coronin 1A	-1.082263328	-2.403799783	4.413466	4.085322	1.72847	3.14071816	3.04002433	2.08792485	307	379	157
139065	NM_001184749,NM_001184750	SLITRK4	SLIT and NTRK like family memb	-66.47102214	-2.405458917	1.219711	0.017938	0.471412	3.50026652	0.20477631	2.40240201	405	8	207
26797	NR_002742	SNORD52	small nucleolar RNA, C/D box 52	-2.208533519	-2.405713376	39.173111	17.494081	15.291146	1.78459878	1.07428646	1.01060517	96	58	49
653125	NM_001282493	GOLGA8K	golgin A8 family member K	-1.030988663	-2.406793542	0.49399	0.47904	0.190092	1.80577475	1.77444288	1.02535867	98	127	50
101927391	NR_110084	LOC101927391	uncharacterized LOC101927391	-2.721756131	-2.407831462	1.076254	0.391486	0.418962	1.82664439	0.95166931	1.03996283	100	49	51
101927559	NR_125739	CEBPB-AS1	CEBPB antisense RNA 1	1.102763096	-2.410751186	0.498354	0.549157	0.194642	1.29387258	1.37924953	0.6785857	57	84	29
285407	NR_073386,NR_073387,NR_07	ALG1L9P	asparagine-linked glycosylation 1	2.136545619	-2.411222525	0.107853	0.297065	0.050348	0.26755841	0.52402456	0.1148164	8	23	4
23630	NM_012282	KCNE5	potassium voltage-gated channel	1.121032635	-2.411222525	0.142295	0.160122	0.05308	0.26755841	0.29720487	0.1148164	8	12	4
645967	NR_134652	LOC645967	uncharacterized LOC645967	-1.763306246	-2.411222525	0.16354	0.092091	0.062553	0.26755841	0.15624221	0.1148164	8	6	4
109623456	NR_145806	SNORD167	small nucleolar RNA, C/D box 16	-1.763306246	-2.411222525	2.229444	1.363149	0.883498	0.26755841	0.15624221	0.1148164	8	6	4
8364	NM_003542	HIST1H4C	histone cluster 1 H4 family memb	-1.516447792	-2.411222525	0.508747	0.342867	0.187247	0.26755841	0.18071335	0.1148164	8	7	4
343521	NM_001013632	TCTEX1D4	Tctex1 domain containing 4	2.690461792	-2.411222525	0.162079	0.433762	0.048531	0.26755841	0.63490936	0.1148164	8	29	4
647190	NR_046241	RPS16P5	ribosomal protein S16 pseudogen	-3.446393706	-2.411222525	0.066273	0.012414	0.025255	0.26755841	0.08023518	0.1148164	8	3	4
677848	NR_004395	SNORD1A	small nucleolar RNA, C/D box 1A	-1.184729479	-2.411222525	2.499217	2.328905	0.903938	0.26755841	0.2284445	0.1148164	8	9	4
693220	NR_030365	MIR635	microRNA 635	-1.516447792	-2.411222525	1.963814	1.265451	0.718915	0.26755841	0.18071335	0.1148164	8	7	4
102060414	NR_104191	C2-AS1	C2 antisense RNA 1	1.951906894	-2.411222525	0.264235	0.522399	0.086536	0.26755841	0.48576948	0.1148164	8	21	4
102465450	NR_106810	MIR6752	microRNA 6752	1.213351997	-2.411222525	2.820062	3.334817	0.905897	0.26755841	0.31941552	0.1148164	8	13	4
109616999	NR_145771	SNORA80D	small nucleolar RNA, H/ACA box	-2.614531255	-2.411222525	1.368022	0.575038	0.477901	0.26755841	0.10601836	0.1148164	8	4	4
100616371	NR_039901	MIR4746	microRNA 4746	-1.067926637	-2.411222525	2.827358	2.495646	0.95607	0.26755841	0.25173066	0.1148164	8	10	4
1608	NM_001080744,NM_001080745	DGKG	diacylglycerol kinase gamma	-1.159659189	-2.411228926	1.600131	1.380466	0.62248	3.32800968	3.1370039	2.2474368	355	409	181
4026	NM_001167671,NM_001167672	LPP	LIM domain containing preferred	1.123750143	-2.411265826	5.994566	6.566182	2.316137	6.71177345	6.87858242	5.4612224	4076	6120	2079
100327321	NR_040023	ERVK13-1	endogenous retrovirus group K13	1.647647767	-2.411695683	2.381821	3.927799	0.927467	4.34572074	5.03804247	3.17224778	759	1671	387
5582	NM_001316329,NM_002739	PRKCG	protein kinase C gamma	-7.472487098	-2.413108662	6.94955	0.923978	2.730952	0.44752325	1.94127715	0.39299602	149	834	425
83694	NM_031464	RPS6KL1	ribosomal protein S6 kinase like	-1.088389246	-2.414167006	0.837797	0.772609	0.325959	2.39332696	2.29513766	1.46482043	167	205	85
3790	NM_001282428,NM_002252	KCNS3	potassium voltage-gated channel	1.44698239	-2.415393119	2.458826	3.640339	0.953333	2.75626978	3.22198991	1.75769337	226	437	115
2920	NM_002089	CXCL2	C-X-C motif chemokine ligand 2	-1.200103104	-2.415598056	13.231572	11.043694	5.135294	4.04543465	3.79960773	2.89139688	609	678	310
1796	NM_001197260,NM_001318866	DOK1	docking protein 1	1.10086348	-2.416585193	3.664005	4.067802	1.443681	3.28718579	3.41225421	2.20918158	344	506	175
7753	NM_001301779,NM_001301780	ZNF202	zinc finger protein 202	-2.200437812	-2.417051154	11.080272	5.039931	4.294934	5.51739157	4.41682418	4.2879768	1759	1068	895
84033	NM_001098623,NM_001271223	OBSCN	obscurin, cytoskeletal calmodulin	1.319139763	-2.41713	0.931651	1.249071	0.367859	4.60173173	4.98692172	3.41004634	914	1611	465
80774	NM_030576	LIMD2	LIM domain containing 2	-1.003549863	-2.417143064	5.577779	5.565241	2.163378	4.21133328	4.20649667	3.04408938	688	916	350
79080	NM_024098	CCDC86	coiled-coil domain containing 86	1.098377962	-2.417471697	33.419754	36.758854	12.989057	6.05719254	6.19063057	4.81399624	2575	3779	1310
401431	NR_027040	ATP6V0E2-AS1	ATP6V0E2 antisense RNA 1	-14.09592831	-2.419016161	1.083049	0.076391	0.419022	2.09095564	0.29720487	1.23026757	128	12	65
84908	NM_001329752,NM_001329753	FAM136A	family with sequence similarity 13	-1.328594567	-2.419180443	62.835465	49.085078	25.847159	7.08769984	6.68127042	5.82811321	5301	5331	2695
140885	NM_001040022,NM_001040023	SIRPA	signal regulatory protein alpha	1.675054034	-2.420265737	0.439803	0.738926	0.170236	1.48977343	2.01116974	0.80366934	71	159	36
542767	NM_001014442,NM_001135816	PCOTH	Pro-X-Gly collagen triple helix like	1.8618629	-2.420691016	0.316	0.573228	0.113459	0.3273552	0.56226574	0.14214747	10	25	5
1436	NM_001288705,NM_001349736	CSF1R	colony stimulating factor 1 recept	1.047302025	-2.420691016	0.057851	0.06733	0.019645	0.3273552	0.3412894	0.14214747	10	14	5
654319	NR_002919	SNORA5A	small nucleolar RNA, H/ACA box	1.34350598	-2.420691016	1.857617	2.533119	0.708909	0.3273552	0.42561204	0.14214747	10	18	5
344805	NM_001042575,NR_026734	TMPRSS7	transmembrane protease, serine	-1.890555353	-2.420691016	0.097388	0.050036	0.03789	0.3273552	0.18071335	0.14214747	10	7	5
5308	NM_000325,NM_001204397,NM	PITX2	paired like homeodomain 2	8.452400887	-2.420691016	0.07507	0.670866	0.022988	0.3273552	1.66595383	0.14214747	114	12	5
729176	NR_003954	KATNBL1P6	katanin regulatory subunit B1 like	-1.658385536	-2.420691016	0.115154	0.064497	0.038048	0.3273552	0.20477631	0.14214747	10	8	5
101928223	NR_125889	LINC01612	long intergenic non-protein codin	-1.112099584	-2.420691016	0.206354	0.175423	0.063505	0.3273552	0.29720487	0.14214747	10	12	5
100302232	NR_031595	MIR1226	microRNA 1226	-1.658385536	-2.420691016	3.274045	1.938167	1.205893	0.3273552	0.20477631	0.14214747	10	8	5
100423031	NR_036207	MIR4321	microRNA 4321	-1.027484135	-2.420691016	3.019457	3.153901	1.047537	0.3273552	0.31941552	0.14214747	10	13	5
441908	NR_103561	NBPF18P	NBPF member 18, pseudogene	-1.658385536	-2.420691016	0.255015	0.139881	0.099543	0.3273552	0.20477631	0.14214747	10	8	5
65003	NM_016050,NM_170738,NM_17	MRPL11	mitochondrial ribosomal protein L	1.095583119	-2.421221721	59.76534	65.73783	22.737623	6.52688319	6.65722024	5.27315144	3581	5242	1819
100528062	NM_001199818,NM_001350268	ARMCX5-GPRASP2	ARMCX5-GPRASP2 readthrough	-1.465053692	-2.42155278	3.033182	2.120177	1.092585	3.97707578	3.46799726	2.82548777	579	528	294
6196	NM_001006932,NM_001318936	RPS6KA2	ribosomal protein S6 kinase A2	-1.681846897	-2.421915353	1.970782	1.169866	0.763314	3.65995838	2.98550663	2.53718654	457	363	232
5332	NM_000933,NM_001172646,NM	PLCB4	phospholipase C beta 4	-2.514398002	-2.422230424	4.054492	1.618916	1.55825	4.49659199	3.25980797	3.30815729	847	450	430
109136579	NR_145459	TALAM1	MALAT1 antisense transcript	-1.234349848	-2.426663185	0.505893	0.412322	0.196867	2.32896139	2.09080288	1.40965954	158	171	80
389119	NM_203370	FAM212A	family with sequence similarity 21	1.059749296	-2.427074248	0.301612	0.309214	0.100284	0.38477185	0.40498891	0.16897038	12	17	6
399668	NM_203306	SMIM10L2A	small integral membrane protein	-1.143779286	-2.427074248	0.054919	0.052334	0.020659	0.38477185	0.3412894	0.16897038	12	14	6
94032	NM_033259	CAMK2N2	calcium/calmodulin dependent pr	-1.41436927	-2.430671193	3.450713	2.442496	1.330174	2.48150547	2.08433212	1.52834475	180	170	91
84915	NM_032829	FAM222A	family with sequence similarity 22	2.115742962	-2.430671193	1.497546	3.173009	0.578091	2.48150547	3.41998355	1.52834475	180	509	91
57574	NM_020814	MARCH4	membrane associated ring-CH-ty	-7.266785345	-2.432519417	3.742905	0.512076	1.444029	4.1064401	1.69172362	2.93892502	637	117	322
51072	NM_001137602,NM_001301833	MEMO1	mediator of cell motility 1	1.093229248	-2.435099805	32.885302	36.201961	12.691559	5.88258712	6.00910191	4.63318145	2277	3326	1150
283876	NR_033904	LINC00921	long intergenic non-protein codin	2.097630457	-2.435134406	0.168014	0.354931	0.065401	0.49317359	0.89363826	0.22116494	16	45	8
727897	NM_002458	MUC5B	mucin 5B, oligomeric mucus/gel-	-1.772294266	-2.435134406	0.023016	0.013107	0.008925	0.49317359	0.29720487	0.22116494	16	12	8
285626	NR_037889	LOC285626	uncharacterized LOC285626	1.121836775	-2.435134406	0.260457	0.286573	0.100956	0.49317359	0.54351856	0.22116494	16	24	8
4974	NM_002544	OMG	oligodendrocyte myelin glycoprot	1.028904044	-2.435134406	0.21665	0.226848	0.079466	0.49317359	0.50527715	0.22116494	16	22	8
10107	NM_006778,NM_052828	TRIM10	tripartite motif containing 10	1.028904044	-2.435134406	0.11793	0.116973	0.044905	0.49317359	0.50527715	0.22116494	16	22	8

400512	NR_037184	FLJ21408	uncharacterized LOC400512	-2.642881282	-2.435134406	0.691712	0.25222	0.237026	0.49317359	0.20477631	0.22116494	16	8	8
3428	NM_001206567,NM_005531	IFI16	interferon gamma inducible prote	1.534808797	-2.435213107	16.214673	24.909969	6.249405	5.46511016	6.07177486	4.22706077	1695	3476	856
27086	NM_001012505,NM_001244808	FOXP1	forkhead box P1	-1.818472921	-2.43584369	1.68639	0.912723	0.777518	3.55444243	2.78861701	2.43591723	422	310	213
57507	NM_020747	ZNF608	zinc finger protein 608	2.182389419	-2.437653198	1.606743	3.513643	0.61619	3.29843463	4.34285452	2.20918158	347	1012	175
10900	NM_001144825,NM_001144826	RUNDC3A	RUN domain containing 3A	1.576600233	-2.437841396	0.232253	0.369134	0.073547	0.54446555	0.7861039	0.24657076	18	38	9
101929901	NR_135817	LOC101929901	uncharacterized LOC101929901	-1.092589253	-2.437841396	1.19387	1.075725	0.436995	0.54446555	0.50527715	0.24657076	18	22	9
102465667	NR_106960	MIR7110	microRNA 7110	-1.068506073	-2.440014352	5.803912	5.483759	2.098699	0.59399636	0.56226574	0.27153692	20	25	10
146183	NM_001161683,NM_144672,NM	OTOA	otoancorin	-1.270654647	-2.440014352	0.144866	0.11111	0.049832	0.59399636	0.48576948	0.27153692	20	21	10
632	NM_199173	BGLAP	bone gamma-carboxyglutamate	-1.270654647	-2.440014352	0.679491	0.546345	0.25232	0.59399636	0.48576948	0.27153692	20	21	10
4830	NM_000269,NM_198175	NME1	NME/NM23 nucleoside diphosph	-1.366217394	-2.441779261	565.516611	412.995046	215.714128	8.81990771	8.3708861	7.53655724	17703	17313	8917
51315	NM_001304526,NM_016618	KRCC1	lysine rich coiled-coil 1	1.054756052	-2.441861694	19.858204	20.961661	7.619464	5.17389443	5.24873326	3.94225731	1378	1942	694
89837	NR_026859,NR_026859_dup1	ULK4P3	ULK4 pseudogene 3	-1.878898076	-2.443286129	0.528097	0.287399	0.208655	0.68823103	0.40498891	0.32020933	24	17	12
353322	NM_181726	ANKRD37	ankyrin repeat domain 37	-1.004895807	-2.443992294	4.964553	4.940176	1.899497	2.47491059	2.46913115	1.51794971	179	238	90
54857	NM_001171191,NM_001171192	GDPD2	glycerophosphodiester phosphod	-1.507245771	-2.44458467	0.269463	0.183758	0.099661	0.73313634	0.52452456	0.34394329	23	23	13
100532732	NR_037846	MSH5-SAPCD1	MSH5-SAPCD1 readthrough (NM	-1.319523078	-2.446550232	17.945385	13.614444	6.892337	6.16866281	5.77502267	4.90655538	2785	2820	1400
100289019	NR_033374	SLC25A25-AS1	SLC25A25 antisense RNA 1	-1.2334244	-2.44724542	13.412204	10.886006	5.149107	5.6774542	5.38133225	4.42641333	1970	2134	990
2752	NM_001033044,NM_001033056	GLUL	glutamate-ammonia ligase	1.636702447	-2.447605326	11.441929	18.413693	4.298676	6.46333709	7.16777213	5.19537587	3425	7490	1721
677810	NR_003016	SNORA26	small nucleolar RNA, H/ACA box	-1.969112676	-2.448124664	7.176198	3.574487	2.644122	0.89996265	0.52452456	0.43515728	34	23	17
8418	NR_002174,NR_027626	CMAHP	cytidine monophospho-N-acetyln	-1.947583053	-2.449352168	0.40167	0.204973	0.152029	0.97665845	0.58077243	0.47868902	38	26	19
100130111	NR_135221	LOC100130111	uncharacterized LOC100130111	-1.161344012	-2.449874488	0.396164	0.341964	0.154794	1.01352966	0.90836632	0.49997203	40	46	20
23639	NM_001321961,NM_001321962	LRRC6	leucine rich repeat containing 6	6.863528855	-2.450347387	0.24516	2.04828	0.116464	1.04948198	3.06324294	0.52094563	42	386	21
10369	NM_006078	CACNG2	calcium voltage-gated channel a	1.317157603	-2.451170556	0.252063	0.333203	0.094982	1.11880553	1.34717796	0.56199967	46	81	23
11227	NM_001329868,NM_014568	GALNT5	polypeptide N-acetylgalactosami	-4.1621916	-2.452018744	5.60048	1.345072	2.144246	5.85745527	3.87652288	4.59907035	2237	718	1122
103344928	NR_145481	KIAA1614-AS1	KIAA1614 antisense RNA 1	1.021855903	-2.45216911	0.935558	0.94994	0.345828	1.21691895	1.23481109	0.62147005	52	71	26
101927989	NR_136504	LOC101927989	uncharacterized LOC101927989	-2.181263766	-2.4524529	1.170037	0.533608	0.444998	1.24819466	0.70406985	0.64076093	54	33	27
64386	NM_022468	MMP25	matrix metallopeptidase 25	1.749369981	-2.452716519	0.410891	0.717779	0.156662	1.27880673	1.80624674	0.65979727	56	131	28
3553	NM_000576	IL1B	interleukin 1 beta	6.078209442	-2.453191275	1.03073	6.375923	0.399242	1.33814853	3.36498779	0.69713258	60	488	30
100129534	NR_024489	LOC100129534	small nuclear ribonucleoprotein p	1.239327767	-2.455688841	1.1058	1.383478	0.421514	1.78459878	2.01116974	0.99569924	96	159	48
101927021	NR_110065,NR_110066,NR_11	LOC101927021	uncharacterized LOC101927021	-1.036407036	-2.457449302	1.918063	1.775473	0.706376	2.38631541	2.34470901	1.4430085	166	214	83
400745	NM_001103160,NM_001103161	SH2D5	SH2 domain containing 5	-2.108200702	-2.458621342	2.192908	1.041801	0.836478	3.20188991	2.11576522	2.2895231	322	204	161
7552	NM_001330574,NM_021998	ZNF711	zinc finger protein 711	-1.105585119	-2.459093776	3.107055	2.688948	1.186157	3.82721276	3.69306567	2.66986823	518	626	259
440423	NR_024187,NR_144393,NR_14	SUZ12P1	SUZ12 polycomb repressive com	1.13060473	-2.461197619	20.806952	20.995669	12.500335	5.34005262	5.51303823	4.09167557	1551	2343	775
151009	NR_027244	LINC01106	long intergenic non-protein codin	-1.104439772	-2.461440689	15.717905	14.240166	5.997716	5.10402723	4.96507495	3.86439381	1311	1586	655
51373	NM_015969	MRPS17	mitochondrial ribosomal protein S	-1.533595871	-2.462857566	67.667534	44.178371	25.808996	5.30608931	4.70844643	4.05799054	1514	1319	756
29015	NM_001278201,NM_001278206	SLC43A3	solute carrier family 43 member 3	1.102732064	-2.466186008	44.167779	49.163215	17.304926	6.89150985	7.03146276	5.60688496	4622	6810	2305
55272	NM_018285	IMP3	IMP3, U3 small nucleolar ribonuc	-1.19070154	-2.466504038	45.813538	38.515282	17.447945	5.81435314	5.56740891	4.54889714	2170	2435	1082
440335	NM_001253790,NM_001253791	SMIM22	small integral membrane protein	-1.189790371	-2.468654701	33.934063	28.581707	12.921236	4.41281357	4.17486912	3.20501631	797	895	397
7473	NM_030753	WNT3	Wnt family member 3	-2.235130079	-2.473702061	5.343428	2.394415	2.02978	4.20736034	3.14012691	3.0111152	686	410	341
84856	NR_026827	LINC00839	long intergenic non-protein codin	-3.702862794	-2.476424655	1.415189	0.374991	0.53355	2.0648444	0.89363826	1.19154816	125	45	62
221806	NM_001135924,NM_001346972	VWDE	von Willebrand factor D and EGF	1.04087018	-2.477467653	2.367238	2.602836	0.901658	3.88307318	3.9370293	2.71151569	540	751	268
613037	NM_001321892	NPIPB13	nuclear pore complex interacting	-1.34016915	-2.478534971	26.544374	19.831169	10.062375	6.67124425	6.25362336	5.38247699	3962	3950	1966
79877	NM_001128631,NM_001288654	DCAKD	dephospho-CoA kinase domain c	-1.07765802	-2.480457691	18.104041	16.859912	6.86426	5.22194666	5.11703786	3.96730515	1426	1768	707
6637	NM_001317165,NM_001317166	SNRPG	small nuclear ribonucleoprotein p	-1.135765036	-2.483581511	178.445488	156.610451	68.063298	6.81524744	6.63331653	5.52165373	4382	5155	2170
5463	NM_001330422,NM_001351088	POU6F1	POU class 6 homeobox 1	-2.163409219	-2.488908098	1.528462	0.684804	0.44972	2.84588727	1.94842076	1.80120704	243	150	120
100125288	NM_001103167	ZGLP1	zinc finger, GATA-like protein 1	-1.164317497	-2.492431479	2.865731	2.455789	1.071428	2.70947097	2.52275889	1.6852207	217	249	107
3336	NM_002157	HSPE1	heat shock protein family E (Hsp	-1.19402015	-2.493268699	399.272919	334.76593	150.478668	8.53713011	8.28205419	7.22486298	14545	16276	7175
29960	NM_013393	MRM2	mitochondrial rRNA methyltransfe	-1.347353146	-2.495893418	37.167747	27.619143	13.9938	5.88134087	5.45966616	4.59783705	2275	2256	1121
339894	NR_034007	LINC00880	long intergenic non-protein codin	-1.533304556	-2.496127826	3.415563	2.233318	1.283232	2.94941774	2.42883772	1.88448459	264	230	130
503639	NR_110526,NR_110526_dup1	DUXAP10	double homeobox A pseudogene	1.522149443	-2.49642752	0.619042	0.950171	0.226859	1.29387258	1.68318474	0.65979727	57	116	28
56521	NM_021800,NM_201262	DNAJC12	DnaJ heat shock protein family (H	-1.533360276	-2.49681282	3.287741	1.953731	1.130784	2.05603457	1.61299082	1.17840727	124	108	61
89870	NM_033229	TRIM15	tripartite motif containing 15	-1.272188604	-2.498062179	1.401971	1.108996	0.529684	2.02024721	1.76638114	1.15176086	120	126	59
131076	NM_001017928,NM_001308326	CCDC58	coiled-coil domain containing 58	1.174788951	-2.498218568	44.376527	52.098235	16.629278	5.01136367	5.23711295	3.75578721	1227	1926	604
64983	NM_031903	MRPL32	mitochondrial ribosomal protein L	-1.480721468	-2.499061787	123.102776	83.235962	46.289368	6.75392153	6.19401545	5.45237894	4198	3788	2066
978	NM_001785	CDA	cytidine deaminase	-2.636475322	-2.499720159	110.936958	42.124126	41.705799	6.70861485	5.33234202	5.40732977	4067	2061	2001
148523	NM_001300838,NM_001300839	CIART	circadian associated repressor of	-2.943131498	-2.501035139	7.120616	2.382555	3.213593	3.71416279	2.35549733	2.54744438	476	216	234
825	NM_000070,NM_024344,NM_17	CAPN3	calpain 3	1.176911159	-2.501589431	0.920483	1.267438	0.372601	1.92669094	2.10365798	1.08290869	110	173	54
257044	NM_001130957,NM_001242340	CATSPERE	catsper channel auxiliary subunit	1.541508771	-2.502485537	0.412295	0.622921	0.149126	1.16869613	1.5486383	0.58209675	49	101	24
5145	NM_000440	PDE6A	phosphodiesterase 6A	-3.203876195	-2.510950169	0.190102	0.058463	0.070101	1.03161781	0.40498891	0.49997203	41	17	20
255027	NM_001128423,NM_173803	MPV17L	MPV17 mitochondrial inner mem	-1.298449887	-2.511068319	1.57146	1.224585	0.594694	2.18284609	1.89765633	1.26797492	139	143	68
9610	NM_004292	RIN1	Ras and Rab interactor 1	1.69288416	-2.511109999	8.518406	14.437543	3.186403	4.53988763	5.27383102	3.30211189	874	1977	428
11154	NM_001128126,NM_001254726	AP4S1	adaptor related protein complex 4	1.429524985	-2.512338616	3.295403	4.395267	1.144305	4.35576677	4.03591166	2.44402201	423	808	207
645166	NR_027354,NR_027355,NR_02	LOC645166	lymphocyte-specific protein 1 pse	1.205325921	-2.514261298	5.019474	6.281807	2.067058	2.11860268	2.32837375	1.21747621	131	211	64
100303453	NR_028393,NR_028394,NR_02	TSNAX-DISC1	TSNAX-DISC1 readthrough (NM	1.325330799	-2.518023944	0.651808	0.96043	0.34039	2.38631541	2.72348335	1.42086173	166	294	81
3754	NM_002236	KCNF1	potassium voltage-gated channel	-1.577801922	-2.519091751	0.889435	0.564421	0.331741	1.57857476	1.1751656	0.83750224	78	66	38
26793	NR_002739	SNORD56	small nucleolar RNA, C/D box 56	1.276492472	-2.519874579	43.76022	55.858192	16.094301	2.01115992	2.28388661	1.13825079	119	203	58
348751	NM_001350853,NM_001350854	FTCDNL1	formiminotransferase cyclodeami	-1.232916746	-2.524147931	1.096065	0.842385	0.38804	1.50279892	1.31437719	0.78645063	72	78	35
692203	NR_003068	SNORD88B	small nucleolar RNA, C/D box 88	1.159582409	-2.524307999	29.851679	34.691483	10.998953	1.93632435	2.09724475	1.08290869	111	172	54
8649	NM_001243736,NM_021970,NR	LAMTOR3	late endosomal/lysosomal adapto	-1.000452725	-2.525801971	9.330345	9.332006	3.47397	5.31719229	5.31655563	4.03448121	1526	2038	743
619569	NR_002590	SNORA41	small nucleolar RNA, H/ACA box	-1.730077313	-2.526030806	13.824346	7.948271	5.015057	1.47662927	1.02107213	0.76902392	70	54	34
63976	NM_022114,NM_199454	PRDM16	PR/SET domain 16	-3.762443402	-2.526659773	1.1135	0.295845	0.412886	3.38891307	1.81408935	2.2474368	372	132	181
84657	NR_026829	LINC00852	long intergenic non-protein codin	-15.06768162	-2.529448814	2.013276	0.132579	0.746758	1.8573935	0.2284445	1.02535867	103	9	50
283104	NR_036485	SBF2-AS1	SBF2 antisense RNA 1	-2.263997116	-2.529623151	6.590848	2.910245	2.444687	4.20138033	3.11812251	2.9773697	683	403	332
7043	NM_001329938,NM_001329939	TGFB3	transforming growth factor beta 3	-1.304613325	-2.533182526	1.248598	0.961754	0.540338	2.39332696	2.09080288	1.42086173	167	171	81
105376843	NR_132278	SNHG25	small nucleolar RNA host gene 2	-1.519774408	-2.533437721	31.026699	20.353443	11.428488	2.12505137	1.68318474	1.21747621	132	116	64
6764	NM_005418,NM_139157,NM_21	ST5	suppression of tumorigenicity 5	-1.318166021	-2.533528903	12.377279	9.434675	4.587675	5.73929565	5.34930747	4.43886489	2058	2086	999
3263	NM_000613	HPX	hemopexin	-1.098278327	-2.536123744	3.122266	2.844171	1.14737	2.57080169	2.45916281	1.5590879	194	236	94
8624	NM_001261824,NM_001320795	PSMG1	proteasome assembly chaperone	-1.247537716	-2.536248818	64.839322	48.070997	22.269736	6.18491721	5.87072085	4.87228279	2817	3017	1366
10382	NM_001289123,NM_001289127	TUBB4A	tubulin beta 4A class IVa	-1.002083493	-2.538165888	0.270268	0.275531	0.101402	0.7550755	0.75384785	0.34394329	27	36	13
101926889	NR_109994	LOC101926889	uncharacterized LOC101926889	1.246414081	-2.538165888	0.323352	0.397042	0.118561	0.7550755	0.89363826	0.34394329	27	45	13
27102	NM_001134335,NM_014413	EIF2AK1	eukaryotic translation initiation fa	-3.6353709	-2.541066283	44.171127	12.160331	16.331447	7.59227569	5.74968897	6.25828436	7537	2770	3648
309	NM_001155,NM_001193544	ANXA6	annexin A6	-1.443206423	-2.542151237	2.113475	1.461274	0.776831	2.84076697	2.3978615	1.77525664	242	224	117
100170229	NM_001145641	SRRM5	serine/arginine repetitive matrix 5	-1.439755365	-2.542249347	1.955236	1.363222	0.718824	2.48150547	2.06474386	1.4863075	180	167	87
100505865	NR_046242	LINC00920	long intergenic non-protein codin	1.309169468	-2.543096302	1.590205	2.094185	0.569841	1.27880673	1.52015496	0.64076093	56	98	27
100534593	NR_037945	STX16-NPEPL1	STX16-NPEPL1 readthrough (NM	1.802727619	-2.543096302	0.357304	0.650518	0.129678	1.27880673	1.83736459	0.64076093	56	135	27
724102	NR_003141,NR_036536	SNHG4	small nucleolar RNA host gene 4	1.353663745	-2.543200702	23.244632	31.446159	8.543884	4.64202642	5.06376177	3.38166197	941	1702	455
23117	NM_130464	NPIPB3	nuclear pore complex interacting	-1.252955199	-2.547528392	90.769981	72.525116	33.477901	8.32491141	8.0007111	6.98273915	12550	13383	6059
51491	NM_001256539,NM_001256540	NOP16	NOP16 nucleolar protein	1.003262559	-2.551485241	66.13889	66.260554	24.262031	6.28915072	6.29379011	4.96607501	3031	4063	1461
83697	NM_001258426,NM_001258427	SLC4A9	solute carrier family 4 member 9	-1.631604944	-2.553804453	0.60488	0.358469	0.211788	1.56621863	1.1381576	0.82068496	77	63	37
26780	NR_000012	SNORA68	small nucleolar RNA, H/ACA box	-1.307307225	-2.55526936	35.988548	27.418629	13.092887	2.50111114	2.19057252	1.4969322	183	187	88
3034	NM_001258333,NM_001258334	HAL	histidine ammonia-lyase	-1.905147381	-2.557165016	0.843329	0.441635	0.309423	2.0823043	1.43116693	1.17840727	127	89	61
102724699	NR_125409	LINC02043	long intergenic non-protein codin	-1.176459832	-2.558630923	2.518969	2.145473	0.918789	2.46162969	2.27254712	1.46482043	177	201	85
677793	NR_002950	SNORA2A	small nucleolar RNA, H/ACA box	-5.483499225	-2.561335002	3.942899	0.671357	1.402917	0.61813834	0.13134883	0.27153692	21	5	10
388743	NM_001143962	CAPN8	calpain 8	-1.902427301	-2.566305535	45.880695	24.13678	16.794424	6.56774367	5.65352499	5.23161046	3685	2588	1766
388796	NR_015366,NR_027241	SNHG17	small nucleolar RNA host gene 1	-1.064467991	-2.566355226	45.31418	42.34436	16.333611	5.64404118	5.55576227	4.32869154	1924	2415	922
100133311	NR_038831,NR_038832	HOXA-AS3	HOXA cluster antisense RNA 3	-1.889171058	-2.566772862	0.597011	0.317553	0.220113	1.74129091	1.16293478	0.93448595	92	65	44
51651	NM_001015509,NM_016077	PTRH2	peptidyl-tRNA hydrolase 2	-1.271673676	-2.568104975	127.502018	105.293087	54.295933	7.26492273	6.92073341	5.91881173	5999	6303	2873
2027	NM_001193503,NM_001976,NM	ENO3	enolase 3	-1.76299243	-2.568543828	8.960452	5.245095	3.268156	3.82202563	3.07960182	2.61239943	516	391	247
100526794	NM_001199103,NM_001199104	NT5C1B-RDH14	NT5C1B-RDH14 readthrough	-547.2059713	-2.568720568	4.451772	0.000195	1.624456	3.6915876	0.02724389	2.49540988	468	1	224
7169	NM_001301226,NM_001301227	TPM2	tropomyosin 2 (beta)	1.077545713	-2.569329544	192.068833	206.938854	70.211396	7.80291587	7.91020121	6.4515983	8728	12566	4178

375189	NM_199346	PFN4	profilin family member 4	-1.175536684	-2.571846789	1.494715	1.271851	0.536247	1.69664266	1.5392062	0.90287695	88	100	42
286380	NM_199135	FOXD4L3	forkhead box D4-like 3	-1.333611753	-2.572438706	0.222645	0.165011	0.080571	0.56944351	0.44594451	0.24657076	19	19	9
6915	NM_001060,NM_201636	TBXA2R	thromboxane A2 receptor	-6.162056948	-2.572438706	0.184731	0.027679	0.068631	0.56944351	0.10601836	0.24657076	19	4	9
645332	NR_024249	FAM86C2P	family with sequence similarity 86	1.593044953	-2.573455418	5.682959	9.065171	2.073623	3.49701545	4.12056519	2.32103228	404	860	193
3557	NM_000577,NM_001318914,NM	IL1RN	interleukin 1 receptor antagonist	-1.994058483	-2.576043984	3.240711	1.624754	1.18336	2.71208982	1.9196316	1.65707652	218	146	104
65981	NM_001002259,NM_001206856	CAPRIN2	caprin family member 2	-1.228016503	-2.576839927	51.445159	41.913164	18.989759	7.77969228	7.48485447	6.42437545	8588	9344	4099
43847	NM_001311182,NM_022046	KLK14	kallikrein related peptidase 14	-2.049799564	-2.577886228	1.02286	0.496155	0.356089	1.01352966	0.58077243	0.47868902	40	26	19
692204	NR_003069	SNORD88C	small nucleolar RNA, C/D box 88	-1.44274563	-2.577886228	10.726738	7.444894	3.845859	1.01352966	0.77006602	0.47868902	40	37	19
54913	NM_017793	RPP25	ribonuclease P and MRP subunit	-1.274669949	-2.579493886	19.541267	15.342358	7.118847	5.50449776	5.16305312	4.18661421	1743	1827	831
80723	NM_001097599,NM_001097600	SLC35G2	solute carrier family 35 member (	1.882922929	-2.57976674	10.335611	21.746662	4.225267	4.44184742	5.32344051	3.17555833	814	2048	388
594839	NR_002436	SNORA33	small nucleolar RNA, H/ACA box	-1.296806272	-2.581660313	32.566727	25.178736	11.756664	2.38631541	2.09080288	1.39836968	166	171	79
85016	NM_001195005,NM_032930	C11orf70	chromosome 11 open reading fra	-1.380508639	-2.583714981	5.220102	4.265573	1.950143	3.38891307	2.97505117	2.22204636	372	360	177
283131	NR_028272,NR_131012	NEAT1	nuclear paraspeckle assembly tra	1.663375169	-2.586154715	498.906794	817.00481	173.744836	10.88353929	11.61734912	9.51393803	74130	164752	35255
100128782	NR_023389,NR_023390	LINC00476	long intergenic non-protein codin	1.381202131	-2.586922525	0.254449	0.428887	0.131276	1.57857476	1.90501868	0.82068496	78	144	37
440345	NM_001310148	NPIPB4	nuclear pore complex interacting	-1.291074108	-2.588277348	60.928139	47.24115	22.120417	7.91404152	7.54720498	6.5514915	9430	9759	4481
400566	NM_001013672	C17orf97	chromosome 17 open reading fra	1.184472839	-2.591658711	0.509171	0.603122	0.175627	0.93882015	1.06116576	0.43515728	36	57	17
163688	NM_001330313,NM_138705	CALML6	calmodulin like 6	-3.325193715	-2.593336052	1.323544	0.374547	0.457172	1.26358189	0.50527715	0.62147005	55	22	26
221883	NR_002795	HOXA11-AS	HOXA11 antisense RNA	-1.097711498	-2.593478348	2.561464	2.33091	0.925637	2.28439817	2.17847216	1.31676564	152	185	72
254173	NM_001130045,NM_153254	TTLL10	tubulin tyrosine ligase like 10	-1.525803614	-2.598087709	0.83972	0.565272	0.294194	1.50279892	1.1381576	0.76902392	72	63	34
105274304	NR_130916	LOC105274304	uncharacterized LOC105274304	-1.009484534	-2.599825091	0.513706	0.508901	0.184641	0.89996265	0.89363826	0.41288872	34	45	16
400236	NR_036500	FOXN3-AS1	FOXN3 antisense RNA 1	1.210041678	-2.599825091	0.818915	0.994884	0.296764	0.89996265	1.03456085	0.41288872	34	55	16
57586	NM_001247987,NM_020826	SYT13	synaptotagmin 13	-1.194745119	-2.599825091	0.164232	0.137243	0.058985	0.89996265	0.7861039	0.41288872	34	38	16
105371795	NR_135646	LOC105371795	uncharacterized LOC105371795	-2.012024204	-2.600617418	19.30464	9.606355	6.970691	5.30423048	4.33197089	3.9825058	1512	1004	715
54149	NM_001100420,NM_001100421	C21orf91	chromosome 21 open reading fra	1.412134509	-2.600872191	1.401622	1.986193	0.506841	3.07682646	3.5240591	1.94780992	292	551	138
26821	NR_002915	SNORA74A	small nucleolar RNA, H/ACA box	1.443807002	-2.603979718	1.929718	2.761693	0.602617	0.46682716	0.63490936	0.19530369	15	29	7
101927278	NR_134451,NR_134452,NR_134	LOC101927278	uncharacterized LOC101927278	1.196096103	-2.603979718	0.367468	0.48327	0.132669	0.46682716	0.54351856	0.19530369	15	24	7
29765	NM_013353	TMOD4	tropomodulin 4	-1.851725232	-2.606689215	1.342306	0.716094	0.475726	1.44997615	0.95166931	0.73352601	68	49	32
26802	NR_002746	SNORD47	small nucleolar RNA, C/D box 47	-1.421051043	-2.608358709	494.287262	348.09787	177.830536	5.25022117	4.75909222	3.92662428	1455	1368	686
102724826	NR_126465,NR_126466,NR_126	ZNF337-AS1	ZNF337 antisense RNA 1	1.02005874	-2.609273273	6.065202	6.863996	2.549146	2.92543304	2.95035633	1.81825156	259	353	122
414328	NM_001001551,NM_001256915	IDNK	IDNK, gluconokinase	1.104896053	-2.609795741	9.124093	9.724477	3.061067	3.41670749	3.54777037	2.23479744	380	561	179
101929125	NR_109859	LINC01730	long intergenic non-protein codin	-1.409435707	-2.61052813	5.639427	4.008235	2.014076	2.29192162	1.91234364	1.31676564	153	145	72
100507387	NR_038402	LOC100507387	uncharacterized LOC100507387	3.522623561	-2.611404327	1.772748	6.284171	0.63396	1.42282133	2.79259185	0.71544405	66	311	31
283314	NR_026947	C1RL-AS1	C1RL antisense RNA 1	-1.099215223	-2.617443022	3.196097	2.914209	1.145963	4.12340669	3.99509991	2.86293141	645	784	303
100130283	NR_147908	LOC100130283	uncharacterized LOC100130283	1.070450044	-2.620040597	2.223605	2.388064	0.782499	1.59082596	1.65726059	0.82068496	79	113	37
387103	NM_001012507,NM_001286524	CENPW	centromere protein W	1.034646586	-2.620924107	19.845703	20.373587	6.993736	4.54304361	4.59011355	3.24967672	876	1211	411
6607	NM_017411,NM_017411_dup1,N	SMN2	survival of motor neuron 2, centro	-1.726322932	-2.621599173	10.038774	5.918064	3.638586	4.01847853	3.29385837	2.76523898	597	462	280
120376	NM_001136105,NM_001271457	COLCA2	colorectal cancer associated 2	-2.14496387	-2.621748139	2.457814	1.139284	0.876553	2.21486103	1.43116693	1.25551499	143	89	67
100124700	NR_003716,NR_047517,NR_047	HOTAIR	HOX transcript antisense RNA	-1.562288031	-2.62254982	5.544246	3.538854	1.965127	3.77179482	3.18617855	2.54232458	497	425	233
102465448	NR_106806	MIR6748	microRNA 6748	1.150201169	-2.627458332	4.73537	5.300173	1.644551	0.41264541	0.46599441	0.16897038	13	20	6
150538	NR_026830	SATB2-AS1	SATB2 antisense RNA 1	-1.726570197	-2.627458332	0.094673	0.058117	0.036167	0.41264541	0.25173066	0.16897038	13	10	6
2620	NM_001143830,NM_001351224	GAS2	growth arrest specific 2	-1.021559294	-2.627458332	0.154342	0.142385	0.050582	0.41264541	0.40498891	0.16897038	13	17	6
101928402	NR_130770	LOC101928402	uncharacterized LOC101928402	-1.332465618	-2.627458332	1.040857	0.759037	0.313246	0.41264541	0.31941552	0.16897038	13	13	6
26249	NM_001257194,NM_001257195	KLHL3	kelch like family member 3	1.085109676	-2.632729136	2.607948	2.932558	0.932021	4.23103553	4.34285452	2.95442604	698	1012	326
7431	NM_003380	VIM	vimentin	-1.852883314	-2.635183856	50.41151	27.231483	17.97249	6.72572862	5.84750424	5.34988112	4116	2968	1921
100506472	NR_040535	LOC100506472	uncharacterized LOC100506472	1.431079888	-2.635329145	3.175699	4.546899	1.127113	3.58844358	4.06906113	2.37386535	433	828	202
730102	NR_037167	LOC730102	quinone oxidoreductase-like prot	-1.325217568	-2.637193749	9.651415	7.29199	3.437261	4.85635215	4.46618624	3.53644652	1098	1107	512
27178	NM_014439,NM_173202,NM_17	IL37	interleukin 37	1.790834157	-2.639374359	2.634137	4.67422	0.865301	1.48977343	2.08433212	0.75138414	71	170	33
84842	NM_032756	HPDL	4-hydroxyphenylpyruvate dioxyge	2.708031802	-2.640590551	1.86433	5.070409	0.662022	2.09955541	3.30781222	1.16514558	129	467	60
677777	NR_003010	SCARNA12	small Cajal body-specific RNA 12	-1.500891394	-2.640995905	51.979103	34.631683	18.467339	3.87558202	3.33804373	2.62698266	537	478	250
5141	NM_001111307,NM_001111308	PDE4A	phosphodiesterase 4A	-1.440369818	-2.642091916	1.807954	1.322862	0.640008	3.23740108	2.77662633	2.06668624	331	307	154
728780	NM_001276713	ANKDD1B	ankyrin repeat and death domain	1.604817243	-2.642153258	0.411541	0.66954	0.144797	1.03161781	1.42093184	0.47868902	41	88	19
84074	NM_032134,NR_130649	QRICH2	glutamine rich 2	-1.111770961	-2.64409539	1.66946	1.502193	0.591243	3.27963753	3.14324318	2.10191219	342	411	159
85495	NR_002312	RPPH1	ribonuclease P RNA component	1.695507797	-2.645946621	1.993182	3.351074	0.702819	0.73313634	1.08728891	0.32020933	26	59	12
100191040	NM_001136003	C2CD4D	C2 calcium dependent domain co	-2.30351983	-2.645946621	0.387371	0.170899	0.132273	0.73313634	0.36283659	0.32020933	26	15	12
151306	NM_001077191,NM_001077194	GPBAR1	G protein-coupled bile acid recep	1.294156578	-2.645946621	0.338682	0.546556	0.11489	0.73313634	0.89363826	0.32020933	26	45	12
106633806	NR_132758	SNORD142	small nucleolar RNA, C/D box 14	1.053246665	-2.647572935	7.220751	7.631644	2.489526	1.24819466	1.29208824	0.60191771	54	76	25
117166	NM_053284	WFIKKN1	WAP, follistatin/kazal, immunoglo	-2.480651596	-2.647572935	0.716515	0.284157	0.256523	1.24819466	0.63490936	0.60191771	54	29	25
1871	NM_001243076,NM_001949	E2F3	E2F transcription factor 3	-1.224235483	-2.649793666	14.673801	11.864427	4.641587	6.01235445	5.7254627	4.64278115	2495	2723	1158
373863	NM_194249	DND1	DND microRNA-mediated repres	-1.087846726	-2.65429426	4.847152	4.46543	1.71928	3.10272366	2.99588686	1.94780992	298	366	138
4621	NM_002470	MYH3	myosin heavy chain 3	1.653399344	-2.655711984	1.279599	2.122663	0.452542	3.09414281	3.75141009	1.9400446	296	654	137
26781	NR_002912	SNORA67	small nucleolar RNA, H/ACA box	-1.092106167	-2.656478502	71.645256	65.787323	25.385113	3.40287721	3.28823882	2.20270591	376	460	174
2874	NM_004489	GPS2	G protein pathway suppressor 2	-1.06426565	-2.658202793	33.282227	31.294538	11.752259	5.26654186	5.1790836	3.9167669	1472	1848	681
29078	NM_014165	NDUFAF4	NADH:ubiquinone oxidoreductas	-1.215365519	-2.659456998	6.336866	5.217337	2.234726	3.98869623	3.72669368	2.72060965	584	642	270
654321	NR_002921	SNORA75	small nucleolar RNA, H/ACA box	1.070778716	-2.661042471	24.678988	26.511837	8.691869	2.10810423	2.18453503	1.16514558	130	186	60
285989	NM_001013258,NM_001350999	ZNF789	zinc finger protein 789	-1.255404883	-2.662412854	11.01071	8.765656	3.739899	4.32386849	4.01394871	3.02586351	747	795	345
100506540	NR_038360	SPTY2D1-AS1	SPTY2D1 antisense RNA 1	-1.334131698	-2.662653201	0.422284	0.317014	0.152894	0.68823103	0.54351856	0.29607837	24	24	11
728758	NR_003571	PIN4P1	peptidylprolyl cis/trans isomerase	1.051704275	-2.663425735	0.412051	0.428935	0.14383	0.95786335	0.99371033	0.43515728	37	52	17
379013	NR_001575	RNF138P1	ring finger protein 138 pseudoge	-1.410793995	-2.663425735	0.169289	0.119489	0.056733	0.95786335	0.73744528	0.43515728	37	35	17
101928053	NR_120540	LOC101928053	uncharacterized LOC101928053	-1.826605003	-2.663425735	0.404452	0.225909	0.142897	0.95786335	0.59904473	0.43515728	37	27	17
6274	NM_002960	S100A3	S100 calcium binding protein A3	1.290785777	-2.669282693	6.698926	8.649242	2.335156	2.53954085	2.85093665	1.4863075	189	326	87
51621	NM_001302461,NM_015995	KLF13	Kruppel like factor 13	-1.535863851	-2.66933839	2.238258	1.456575	0.785177	3.98869623	3.4174117	2.71606984	584	508	269
55240	NM_001008410,NM_018234,NM	STEAP3	STEAP3 metalloreductase	1.297097362	-2.669560724	16.564548	20.677102	5.957492	6.03998276	6.41025242	4.65942844	2544	4409	1172
200172	NM_001168247,NM_001300859	SLFNL1	schlafen like 1	-1.198356935	-2.676039228	0.419117	0.347506	0.156969	0.91952222	0.80196545	0.41288872	35	39	16
100996485	NM_001277348	C5orf66	chromosome 5 open reading fran	-1.402994547	-2.676706761	1.53351	1.099797	0.537352	2.23841445	1.86782539	1.25551499	146	139	67
730091	NR_038387	LINC00886	long intergenic non-protein codin	1.092035288	-2.676797948	2.01474	2.200607	0.705621	2.91572639	3.02658682	1.78395874	257	375	118
51351	NM_015852	ZNF117	zinc finger protein 117	-1.161205733	-2.677670336	4.95961	4.277825	1.741268	4.99762645	4.7892446	3.6502813	1215	1398	558
5743	NM_000963	PTGS2	prostaglandin-endoperoxide synt	4.107381377	-2.679285089	0.695829	2.872127	0.241246	2.02024721	3.76158491	1.09694451	120	659	55
3936	NM_002298	LCP1	lymphocyte cytosolic protein 1	3.898173351	-2.682655651	0.151791	0.594696	0.051486	0.64188297	1.67459501	0.27153692	22	115	10
100861549	NR_047492	LINC00562	long intergenic non-protein codin	-1.466400181	-2.682655651	0.230289	0.157068	0.080844	0.64188297	0.46599441	0.27153692	22	20	10
3601	NM_001243539,NM_001256765	IL15RA	interleukin 15 receptor subunit al	-2.956594279	-2.682793445	16.57713	5.466197	5.707726	4.81908641	3.35157866	3.47865614	1069	483	490
63914	NR_026784	LINC01590	long intergenic non-protein codin	1.317157603	-2.683092537	0.755953	1.011366	0.262286	1.11880553	1.34717796	0.52094563	46	81	21
4839	NM_001033714,NM_001258308	NOP2	NOP2 nucleolar protein	-1.402779139	-2.68368586	85.661478	61.202568	29.994439	7.82431309	7.33857979	6.41074453	8859	8438	4060
25764	NM_001199885,NM_016400	HYPK	huntingtin interacting protein K	1.495787262	-2.68775613	14.657306	21.891815	5.120553	4.31281697	4.86952482	3.00368412	741	1481	339
23642	NR_003098	SNHG1	small nucleolar RNA host gene 1	-1.138495592	-2.689068511	325.280396	286.020508	113.666039	8.47197539	8.28540776	7.05169593	13901	16314	6358
390595	NM_001163692	UBAP1L	ubiquitin associated protein 1 like	1.020525867	-2.6903192	0.61551	0.637204	0.206411	0.88013425	0.89363826	0.39027104	33	45	15
101929746	NR_110623	ZNF341-AS1	ZNF341 antisense RNA 1	-3.480830716	-2.6904036	2.753238	0.766117	0.945283	1.44997615	0.58077243	0.71544405	68	26	31
100526737	NM_001198845,NM_001198846	RBM14-RBM4	RBM14-RBM4 readthrough	1.129095701	-2.69191014	2.401709	2.411014	0.820785	1.96484452	2.09724475	1.05442063	114	172	52
64651	NM_001320559,NM_001320560	CSRNP1	cysteine and serine rich nuclear p	1.157378957	-2.693897292	8.46273	9.824408	2.953081	4.77278965	4.97647655	3.42958826	1034	1599	472
643837	NR_047519,NR_047521,NR_047	LINC01128	long intergenic non-protein codin	1.243363121	-2.695169306	2.514043	3.027797	0.919894	3.78518394	4.07885924	2.52166171	502	834	229
65008	NM_020236	MRPL1	mitochondrial ribosomal protein L	1.064971632	-2.701614328	26.847046	28.623985	9.332829	5.19109656	5.27950686	3.82277197	1395	1985	635
114599	NR_000025	SNORD15B	small nucleolar RNA, C/D box 15	-1.021724016	-2.702246546	25.503075	25.098207	8.847376	2.21486103	2.19057252	1.23026757	143	187	65
150967	NR_037701	LINC01963	long intergenic non-protein codin	1.438346258	-2.703620397	1.827439	2.629358	0.634442	2.78321062	3.24247658	1.66651905	231	444	105
100526830	NR_037608,NR_037608_dup1	SLX1A-SULT1A3	SLX1A-SULT1A3 readthrough (N	-1.161033669	-2.705870176	22.288431	19.220451	7.733268	5.61883752	5.40813487	4.23183903	1890	2175	859
79844	NM_024786	ZDHHC11	zinc finger DHHC-type containing	-1.574479096	-2.705894251	6.49107	4.123257	2.254679	4.12761734	3.51926972	2.82548777	647	549	294
109729146	NR_146294	POC1B-AS1	POC1B antisense RNA 1	-2.222984629	-2.706173064	1.178693	0.51952	0.400332	1.54118428	0.89363826	0.76902392	75	45	34
441869	NM_001145210,NM_001243535	ANKRD65	ankyrin repeat domain 65	1.228987425	-2.706420288	0.499966	0.749638	0.173166	1.04948198	1.21124797	0.47868902	42	69	19
108783645	NR_144383	LOC108783645	HFE antisense RNA	1.975519728	-2.706420288	0.497892	0.991606	0.164754	1.04948198	1.63971536	0.47868902	42	111	19
79817	NM_024761	MOB3B	MOB kinase activator 3B	-6.909029514	-2.706420288	0.168236	0.024033	0.05514	1.04948198	0.20477631	0.47868902	42	8	19
105372795	NR_131189	LOC105372795	uncharacterized LOC105372795	-1.11899402	-2.706619273	0.776815	0.693829	0.261557	0.83964067	0.77006602	0.36729312	31	37	14

1193	NM_001289	CLIC2	chloride intracellular channel 2	1.940895074	-2.707036016	0.194123	0.376342	0.059356	0.59399636	0.99371033	0.24657076	20	52	9
254042	NM_001322278,NM_001322279	METAP1D	methionyl aminopeptidase type 1	-1.050411502	-2.707336941	9.250432	8.895118	3.248268	4.87650783	4.80802022	3.52091369	1114	1417	506
100874343	NR_046836	HS1BP3-IT1	HS1BP3 intronic transcript 1	2.06630562	-2.708459898	0.357264	0.803796	0.133255	0.29776659	0.56226574	0.1148164	9	25	4
51733	NM_016327	UPB1	beta-ureidopropionase 1	-5.678101318	-2.708459898	0.101253	0.018223	0.038681	0.29776659	0.05398282	0.1148164	9	2	4
115948	NM_001302453,NM_001302454	CCDC151	coiled-coil domain containing 151	2.805945345	-2.708459898	0.108665	0.304593	0.036706	0.29776659	0.72085408	0.1148164	9	34	4
100500888	NR_037505	MIR3940	microRNA 3940	-1.002067138	-2.708459898	2.163276	2.20399	0.679091	0.29776659	0.29720487	0.1148164	9	12	4
100507347	NR_108060,NR_108061	VIM-AS1	VIM antisense RNA 1	-2.304872311	-2.708695781	7.46427	3.212922	2.296081	3.45071403	2.40826098	2.22204636	390	226	177
100329109	NR_033248	GCSHP3	glycine cleavage system protein	1.079232004	-2.7118096	2.462786	2.673777	0.842278	1.77389308	1.85267538	0.91876801	95	137	43
3595	NM_001258214,NM_001258215	IL12RB2	interleukin 12 receptor subunit be	-1.250015176	-2.713605719	0.459399	0.367368	0.163659	1.51570785	1.31437719	0.75138414	73	78	33
3225	NM_006897	HOXC9	homeobox C9	-1.910049986	-2.713806602	4.749259	2.486856	1.640575	3.00540462	2.22627631	1.84344662	276	193	125
375791	NM_199001	CYSRT1	cysteine rich tail 1	-1.452381658	-2.716769351	15.094005	10.406156	5.221176	4.32753359	3.82117143	3.00368412	749	689	339
9404	NM_001143995,NM_001307951	LPXN	leupaxin	-1.236711072	-2.720722634	9.378796	7.764995	3.234175	4.22907737	3.94061606	2.9113909	697	753	315
440603	NM_001010922	BCL2L15	BCL2 like 15	-3.151899929	-2.721500921	0.371684	0.116141	0.127464	1.48977343	0.65251278	0.73352601	71	30	32
56981	NM_001256695,NM_001256696	PRDM11	PR/SET domain 11	-1.071859322	-2.725201951	0.3437	0.321507	0.249604	2.20692365	2.12902957	1.21747621	142	177	64
26795	NR_002437	SNORD54	small nucleolar RNA, C/D box 54	-1.750532356	-2.726576313	33.113773	18.834558	11.271082	1.602974	1.11294744	0.80366934	80	61	36
51022	NM_001243399,NM_001319291	GLRX2	glutaredoxin 2	-1.583193448	-2.731300068	21.714538	13.651516	7.381132	4.02977152	3.4174117	2.72513523	602	508	271
84524	NM_032494	ZC3H8	zinc finger CCCH-type containing	1.11460381	-2.732410409	17.461899	19.488792	5.998059	4.8216876	4.97297796	3.45705395	1071	1595	482
401233	NR_033884	HTATSF1P2	HIV-1 Tat specific factor 1 pseud	-1.710613948	-2.737408195	0.098985	0.056255	0.034642	0.54446555	0.3412894	0.22116494	18	14	8
7093	NM_012465	TLL2	tolloid like 2	1.121926784	-2.737408195	0.066323	0.077332	0.020664	0.54446555	0.59904473	0.22116494	18	27	8
6636	NM_003095	SNRPF	small nuclear ribonucleoprotein p	-1.844707972	-2.740270932	272.665649	147.983246	93.500587	7.72481517	6.84715638	6.28228282	8266	5987	3710
494513	NM_001042702	DFNB59	deafness, autosomal recessive 5	-1.004131485	-2.749120836	6.328376	6.309185	2.158103	3.37835054	3.37297385	2.1430785	369	491	165
80162	NM_025092	PGGHG	protein-glucosylgalactosylhydrox	-1.606117519	-2.749369612	21.041142	13.115176	7.192688	6.08668916	5.41588625	4.66414974	2629	2187	1176
84365	NM_032390	NIFK	nucleolar protein interacting with	1.147688249	-2.749404401	65.004745	74.688667	22.209442	6.79454213	6.99160416	5.35791727	4319	6623	1932
284992	NM_001080539	CCDC150	coiled-coil domain containing 150	-1.204972658	-2.749560311	6.522272	5.415697	2.227152	4.60927912	4.35231081	3.24967672	919	1019	411
81831	NM_001201477,NM_018092	NETO2	neuropilin and tolloid like 2	1.013684632	-2.750676894	23.335256	23.673993	7.97496	6.40599143	6.42537125	4.97560227	3290	4456	1471
9540	NM_001206802,NM_004881,NM	TP53I3	tumor protein p53 inducible prote	1.098976358	-2.75160782	28.397495	30.06745	9.375499	5.63593514	5.7694873	4.22546449	1913	2809	855
349565	NM_001200047,NM_001320510	NMNAT3	nicotinamide nucleotide adenylyl	2.055058427	-2.752253364	0.461887	1.001107	0.11958	0.93882015	1.52971203	0.41288872	36	99	16
8638	NM_001261825,NM_003733,NM	OASL	2'-5'-oligoadenylate synthetase lil	-3.13710935	-2.753786014	64.779751	20.77672	22.194114	7.03627524	5.41007662	5.59395302	5114	2178	2284
728673	NR_126047	LOC728673	uncharacterized LOC728673	1.20341642	-2.754371431	1.707668	2.062348	0.582621	2.25390578	2.46913115	1.24294651	148	238	66
100379345	NR_038975	MIR181A2HG	MIR181A2 host gene	-1.036556536	-2.755252893	1.893341	1.822485	0.619692	1.10178443	1.07428646	0.49997203	45	58	20
23329	NM_001330186,NM_001330187	TBC1D30	TBC1 domain family member 30	-4.319062674	-2.75678011	3.06201	0.702369	1.031327	4.57884974	2.655266948	3.21791812	899	278	401
84467	NM_001321431,NM_032447	FBN3	fibrillin 3	-10.80446547	-2.761282863	0.250854	0.020937	0.084781	1.7191395	0.27464693	0.87055986	90	11	40
146542	NM_001024683,NM_145271	ZNF688	zinc finger protein 688	-1.430316233	-2.762558156	8.863119	5.771363	2.909582	3.89793981	3.42255083	2.59272293	546	510	243
127495	NM_001256385,NM_001256386	LRRC39	leucine rich repeat containing 39	-2.434748254	-2.763302071	1.811601	0.75064	0.608965	2.15010456	1.26944952	1.16514558	135	74	60
2171	NM_001444	FABP5	fatty acid binding protein 5	1.01917672	-2.766917679	158.289383	161.480972	53.737595	6.82856444	6.85573047	5.38247699	4423	6023	1966
84622	NM_032530	ZNF594	zinc finger protein 594	1.29386555	-2.767528142	4.429212	5.738417	1.500051	4.46199571	4.81877967	3.10438964	826	1428	367
100533107	NR_037882	RTEL1-TNFRSF6B	RTEL1-TNFRSF6B readthrough	-1.467298946	-2.771206505	6.687186	4.562271	2.266279	5.27035534	4.7345082	3.86439381	1476	1344	655
4016	NM_005576	LOXL1	lysyl oxidase like 1	-2.184328631	-2.771256554	12.235047	5.605017	4.146745	4.86141753	3.79168578	3.47597349	1102	674	489
259294	NM_176888	TAS2R19	taste 2 receptor member 19	-1.043650549	-2.773081244	0.649883	0.613991	0.219234	0.71085839	0.68708806	0.29607837	25	32	11
100500802	NR_037456	MIR3685	microRNA 3685	-2.078057056	-2.773081244	10.373434	5.03031	3.316481	0.71085839	0.38406669	0.29607837	25	16	11
80763	NM_030572,NR_135187,NR_13	SPX	spexin hormone	2.144096823	-2.776290504	0.180277	0.390002	0.051716	0.49317359	0.90836632	0.19530369	16	46	7
349196	NR_027000,NR_027000_dup1	NLINC00965	long intergenic non-protein codin	1.214769507	-2.776290504	0.137884	0.17651	0.047816	0.49317359	0.58077243	0.19530369	16	26	7
6447	NM_001144757,NM_003020	SCG5	secretogranin V	1.235494073	-2.777089311	1.721019	2.133558	0.571711	1.67378945	1.89025622	0.83750224	86	142	38
2791	NM_004126	GNG11	G protein subunit gamma 11	2.60598676	-2.779673408	1.86203	4.854124	0.61819	1.44997615	2.46415559	0.69713258	68	237	30
29113	NM_014070	C6orf15	chromosome 6 open reading fran	-5.078847997	-2.782199493	12.087643	2.370078	4.074271	3.84522223	1.86027027	2.53718654	525	138	232
25907	NM_015444	TMEM158	transmembrane protein 158 (gen	1.8696027	-2.785492209	4.421357	8.293984	3.173670	3.17367098	4.00026496	1.95553366	315	787	139
100616269	NR_039782	MIR4639	microRNA 4639	1.068150199	-2.787681726	2.624011	2.711431	0.639602	0.23670415	0.25173066	0.08695753	7	10	3
94145	NR_146601	CDRT3	CMT1A duplicated region transcr	1.489387219	-2.787681726	0.328456	0.48482	0.090674	0.23670415	0.3412894	0.08695753	7	14	3
100847033	NR_049830,NR_049830_dup1	MIR4436B2	microRNA 4436b-2	-1.329394012	-2.787681726	1.797413	1.333386	0.623547	0.23670415	0.18071335	0.08695753	7	7	3
283375	NM_001135195,NM_173596	SLC39A5	solute carrier family 39 member 5	-2.292028919	-2.787681726	0.085029	0.033641	0.020913	0.23670415	0.10601836	0.08695753	7	4	3
4602	NM_001130172,NM_001130173	MYB	MYB proto-oncogene, transcriptio	-2.480424459	-2.787823641	0.285643	0.115189	0.097822	1.03161781	0.50527715	0.45708734	41	22	18
26018	NM_015541	LRIG1	leucine rich repeats and immuno	2.107428727	-2.790648906	0.358504	0.761793	0.121227	1.42282133	2.18453503	0.6785857	66	186	29
728537	NM_001351368,NR_038386	LINC01125	long intergenic non-protein codin	1.541350793	-2.790648906	1.284006	2.0289	0.471787	1.42282133	1.84504029	0.6785857	66	136	29
1270	NM_000614	CNTF	ciliary neurotrophic factor	-9.657729182	-2.792810421	3.10827	0.313656	1.040542	2.75082071	0.669904	1.60891398	225	31	99
9127	NM_001159554,NM_001349874	P2RX6	purinergic receptor P2X 6	1.728319005	-2.793614954	0.299469	0.517072	0.102097	0.86002952	1.26944952	0.36729312	32	74	14
107985544	NR_146603	LOC107985544	uncharacterized LOC107985544	-1.001150374	-2.794148667	1.559419	1.559439	0.522286	2.95890107	2.95745524	1.77525664	266	355	117
710	NM_000062,NM_001032295	SERPING1	serpin family G member 1	3.47159135	-2.799465112	0.636753	2.21627	0.203339	1.15225689	2.39263351	0.52094563	48	223	21
619562	NR_002580	SNORA3A	small nucleolar RNA, H/ACA box	-1.366808301	-2.799665415	44.410404	32.51062	14.784923	7.72881625	2.35549733	1.58918956	221	216	97
399959	NR_024430,NR_137175,NR_13	MIR100HG	mir-100-let-7a-2-mir-125b-1 clust	-1.63120692	-2.80302888	26.976249	16.096386	8.992383	6.28821063	5.59384468	4.83403711	3029	2481	1329
112495	NM_138408	GTF3C6	general transcription factor IIIC s	-1.390821876	-2.803163332	42.678463	30.721935	14.306141	5.33914513	4.87703175	3.91478732	1550	1489	680
29881	NM_001101648,NM_001300967	NPC1L1	NPC1 like intracellular cholesterc	1.300228219	-2.803976301	0.119221	0.153285	0.035644	0.66524311	0.81765451	0.27153692	23	40	10
221481	NM_001286574,NM_001286576	ARMC12	armadillo repeat containing 12	1.85085692	-2.803976301	0.472992	0.908918	0.152423	0.66524311	1.06118576	0.27153692	23	57	10
100506119	NR_120685,NR_120686	LINC01503	long intergenic non-protein codin	-1.085345185	-2.806959782	1.349169	1.274234	0.451599	0.99521185	0.93737891	0.43515728	39	48	17
286467	NR_026975	FIRRE	firre intergenic repeating RNA ele	1.715448776	-2.813570283	2.466215	4.247827	0.819453	3.00997359	3.71207778	1.80975447	277	635	121
200232	NM_001012971	FAM209A	family with sequence similarity 20	-1.279617652	-2.816328574	1.744773	1.378136	0.586291	1.11880553	0.93737891	0.49997203	46	48	20
79861	NM_001171864,NM_024803	TUBAL3	tubulin alpha like 3	1.599207805	-2.827842417	0.199957	0.323063	0.066702	0.43999062	0.65251278	0.16897038	14	30	6
146562	NM_139170	C16orf71	chromosome 16 open reading fra	1.917532178	-2.827842417	0.12932	0.257165	0.044247	0.43999062	0.75384785	0.16897038	14	36	6
51378	NM_001322809,NM_015985	ANGPT4	angiopoietin 4	5.684370595	-2.827842417	0.077988	0.45312	0.025513	0.43999062	1.60397149	0.16897038	14	107	6
100506178	NR_038393	LOC100506178	uncharacterized LOC100506178	-1.873848907	-2.837945287	4.337723	2.313636	1.437037	3.49701545	2.69827959	2.20918158	404	288	175
54977	NM_017875	SLC25A38	solute carrier family 25 member 3	1.004709496	-2.84013332	16.71476	16.818592	5.525088	5.15339049	5.1599794	3.71995801	1358	1823	588
29108	NM_013258,NM_145182	PYCARD	PYD and CARD domain containi	1.054845412	-2.840193629	29.260121	30.89396	9.571915	4.50146728	4.57519242	3.10785943	850	1198	368
54663	NM_001307977,NM_018093	WDR74	WD repeat domain 74	-1.057692491	-2.841138298	74.928882	74.103224	25.484233	6.61686941	6.53679465	5.13713733	3814	4818	1651
3786	NM_001204824,NM_004519	KCNQ3	potassium voltage-gated channel	1.933833459	-2.842926441	1.686746	3.268193	0.55729	4.28481203	5.2001842	2.9074142	726	1876	314
57727	NM_001348148,NM_001348149	NCOA5	nuclear receptor coactivator 5	1.271938624	-2.843081799	14.458094	18.364365	4.759185	5.51578614	5.85607627	4.06514778	1757	2986	760
283171	NM_001271983	C11orf44	chromosome 11 open reading fra	1.324805052	-2.852816796	0.252888	0.337922	0.082855	0.91952222	1.12560759	0.39027104	35	62	15
729013	NR_034137	ZBED5-AS1	ZBED5 antisense RNA 1	1.061994663	-2.853631478	11.878149	12.628156	3.909708	3.79580649	3.87652288	2.46326383	506	718	218
781	NM_000722,NM_001302890	CACNA2D1	calcium voltage-gated channel au	-2.793038069	-2.855633918	0.145027	0.051729	0.046189	1.04948198	0.46599441	0.45708734	42	20	18
151877	NR_145422	MAGI1-IT1	MAGI1 intronic transcript 1	1.109078325	-2.859167391	0.565163	0.626752	0.182571	1.27880673	1.36863803	0.58209675	56	83	24
7627	NM_001302109,NM_001324041	ZNF75A	zinc finger protein 75a	-1.037344927	-2.859647119	10.397512	10.850394	3.18227	4.71659644	4.66574286	3.29907966	993	1279	427
106821730	NM_001128628,NM_001128629	BUB1B-PAK6	BUB1B-PAK6 readthrough	-8.693827277	-2.860718176	1.167483	0.129151	0.378065	2.41415945	0.58077243	1.32870978	170	26	73
26773	NR_000010	SNORD4A	small nucleolar RNA, C/D box 4A	-1.141309526	-2.860718176	61.413517	54.044621	20.177923	2.41415945	2.2611178	1.32870978	170	199	73
170487	NM_001024675	ACTL10	actin like 10	-1.4203067	-2.866274862	2.164658	1.521884	0.707301	2.4003046	2.0043309	1.31676564	168	158	72
10761	NM_001316887,NM_001316888	PLAC1	placenta specific 1	-1.047802036	-2.866671315	4.277828	4.088818	1.368271	2.53954085	2.48395571	1.42086173	189	241	81
4234	NM_005371,NM_023033	METTL1	methyltransferase like 1	-1.14405209	-2.867063653	25.359571	22.192321	8.330616	5.03172731	4.84389659	3.59201087	1245	1454	534
8620	NM_001320296,NM_003717	NPFF	neuropeptide FF-amide peptide p	-1.450417121	-2.874168472	9.715755	6.800793	3.145803	3.12816418	2.66397469	1.88448459	304	280	130
196743	NM_152911,NM_207127,NM_20	PAOX	polyamine oxidase	-1.182369365	-2.876424662	0.7364	0.635787	0.239697	1.24819466	1.11294744	0.56199967	54	61	23
56121	NM_018935	PCDHB15	protocadherin beta 15	-1.136709509	-2.878726805	0.35726	0.315549	0.113459	1.01352966	0.92294555	0.43515728	40	47	17
100526831	NM_037609,NR_037609_dup1	SLX1B-SULT1A4	SLX1B-SULT1A4 readthrough (N	-1.033035241	-2.879866809	16.269556	15.736602	5.297662	5.17287613	5.12730363	3.71995801	1377	1781	588
116938	NR_000028	SNORD83B	small nucleolar RNA, C/D box 83	1.027000894	-2.880259624	113.312614	116.507858	36.952644	3.49375703	3.52883263	2.18966672	403	553	172
57562	NM_020802	CEP126	centrosomal protein 126	-2.017381875	-2.881024958	3.624551	1.798649	1.180737	4.6940596	3.73704369	3.26840163	977	647	417
124221	NR_026864	PRSS30P	protease, serine, 30 pseudogene	1.03614508	-2.883509286	0.225424	0.232823	0.071504	0.73313634	0.75384785	0.29607837	26	36	11
54550	NM_001329748,NM_001329749	NECAB2	N-terminal EF-hand calcium bind	1.609503965	-2.883509286	0.42132	0.676122	0.13454	0.73313634	1.04792463	0.29607837	26	56	11
23371	NM_015319,NM_170754,NM_19	TNS2	tensin 2	-3.309950452	-2.886208983	4.507698	1.348905	1.476481	4.49333262	2.90701332	3.07986458	845	341	360
101409256	NR_102424	LOC101409256	cell division cycle 42 pseudogene	-1.48919863	-2.88854509	0.245572	0.162884	0.082112	0.56944351	0.40498891	0.22116494	19	17	8
254263	NM_182553,NR_073078,NR_07	CNIH2	cornichon family AMPA receptor	-1.361320255	-2.891385322	1.990871	1.464817	0.636883	1.88750088	1.57657016	0.95003448	106	104	45
925	NM_001145873,NM_001768,NM	CD8A	CD8a molecule	1.251670471	-2.895241003	0.440434	0.580955	0.141915	1.21691895	1.41062362	0.54161868	52	87	22
110006325	NR_146339	PPIP5K1P1-CATSPER2	PPIP5K1P1-CATSPER2 readthro	1.306159742	-2.895399546	0.813968	1.068648	0.263369	2.37926962	2.69827959	1.29257653	165	288	70
5553	NM_001243245,NM_001302926	PRG2	proteoglycan 2, pro eosinophil m	-1.105961218	-2.895858363	2.215569	2.047776	0.725444	2.0648444	1.95552917	1.06873498	125	151	53
100302170	NR_031611	MIR1206	microRNA 1206	-2.633321293	-2.89946168	5.004842	1.845361	1.516143	0.38477185	0.15624221	0.14214747	12	6	5

105377623	NR_136203	LOC105377623	uncharacterized LOC105377623	-1.002073241	-2.89946168	0.383131	0.382024	0.101078	0.38477185	0.38406669	0.14214747	12	16	5
283416	NR_121682	LINC01465	long intergenic non-protein codin	1.122307233	-2.904681638	0.589722	0.657482	0.184154	0.97665845	1.06116576	0.41288872	38	57	16
26167	NM_015669	PCDHB5	protocadherin beta 5	-2.081881415	-2.905669909	0.569984	0.271807	0.181693	1.39514558	0.83317479	0.64076093	64	41	27
285958	NR_003697	SNHG15	small nucleolar RNA host gene 1	-1.235106908	-2.909679859	66.106712	53.583675	21.338223	5.71990486	5.42167258	4.23024804	2030	2196	858
146206	NM_001013838,NM_001317026	CARMIL2	capping protein regulator and my	1.576367322	-2.911074707	1.36807	2.174902	0.439072	2.85098947	3.43277448	1.64757178	244	514	103
55509	NM_018664	BATF3	basic leucine zipper ATF-like trar	1.110199729	-2.91263557	0.825027	0.907466	0.260038	0.83964067	0.90836632	0.34394329	31	46	13
5959	NM_001199771,NM_002905	RDH5	retinol dehydrogenase 5	-7.684715616	-2.916377611	2.578272	0.330973	0.820904	2.13345087	0.52452456	1.11084509	133	23	56
3204	NM_006896	HOXA7	homeobox A7	-2.121956974	-2.923444196	0.547482	0.253802	0.169225	1.06712766	0.59904473	0.45708734	43	27	18
4036	NM_004525	LRP2	LDL receptor related protein 2	-7.774568627	-2.92529695	0.039755	0.004983	0.012603	0.68823103	0.10601836	0.27153692	24	4	10
55110	NM_001300739,NM_001319985	MAGOHB	mago homolog B, exon junction c	-2.109167717	-2.936143333	17.804696	8.423941	5.636869	5.57788058	4.53423581	4.08112291	1836	1163	769
6405	NM_001318798,NM_001318800	SEMA3F	semaphorin 3F	-1.299499277	-2.936844927	2.63868	2.031543	0.840019	3.3316643	2.99588686	2.03057861	356	366	149
652	NM_001202,NM_001347912,NM	BMP4	bone morphogenetic protein 4	2.712095171	-2.940809645	5.287087	13.925631	1.618254	3.40980893	4.7611221	2.09493548	378	1370	158
222901	NR_026673	RPL23P8	ribosomal protein L23 pseudogen	-2.171056089	-2.94101575	0.221878	0.093141	0.071896	0.17294258	0.08023518	0.0585501	5	3	2
407835	NR_002144	LOC407835	mitogen-activated protein kinase	-1.326777498	-2.94101575	0.066932	0.051892	0.023104	0.17294258	0.13134883	0.0585501	5	5	2
441454	NR_028350	LOC441454	prothymosin, alpha pseudogene	-2.171056089	-2.94101575	0.09425	0.039162	0.018415	0.17294258	0.08023518	0.0585501	5	3	2
100124534	NR_003704	SNORA84	small nucleolar RNA, H/ACA box	-2.171056089	-2.94101575	0.841102	0.375848	0.17145	0.17294258	0.08023518	0.0585501	5	3	2
100287478	NM_001256862,NM_001256862	USP17L21	ubiquitin specific peptidase 17-lik	-1.326777498	-2.94101575	0.080625	0.050053	0.024524	0.17294258	0.13134883	0.0585501	5	5	2
100847074	NR_049811	MIR5088	microRNA 5088	1.193356706	-2.94101575	1.334458	1.783529	0.45593	0.17294258	0.20477631	0.0585501	5	8	2
102060282	NR_109831	RASSF1-AS1	RASSF1 antisense RNA 1	1.486457258	-2.94101575	0.133136	0.248891	0.045825	0.17294258	0.25173066	0.0585501	5	10	2
105377586	NR_131965,NR_131966,NR_13	LINC02365	long intergenic non-protein codin	1.486457258	-2.94101575	0.141242	0.237123	0.044432	0.17294258	0.25173066	0.0585501	5	10	2
196410	NM_152637	METTL7B	methyltransferase like 7B	-1.34834588	-2.944293658	19.102781	14.172924	6.088068	4.85762016	4.44361342	3.39308282	1099	1089	459
125113	NM_152349	KRT222	keratin 222	-1.259829354	-2.948601291	0.242993	0.193567	0.080302	0.5190475	0.42561204	0.19530369	17	18	7
285596	NM_173663,NR_146226,NR_14	FAM153A	family with sequence similarity 15	4.79524598	-2.949401054	1.536959	7.470815	0.45137	2.94941774	5.055515 21	1.71282633	264	1692	110
441432	NR_026558	AQP7P3	aquaporin 7 pseudogene 3	-3.203876195	-2.950493829	2.006238	0.61471	0.631808	1.03161781	0.40498891	0.43515728	41	17	17
102723566	NR_136302	LOC102723566	uncharacterized LOC102723566	-1.42096426	-2.953124353	5.313722	3.742225	1.691353	3.54187697	3.08609378	2.20270591	418	393	174
3207	NM_005523	HOXA11	homeobox A11	-1.19815603	-2.954211824	2.22409	1.855458	0.705904	2.75626978	2.53704518	1.5590879	226	252	94
8187	NM_001099282,NM_001099283	ZNF239	zinc finger protein 239	2.772517905	-2.954344603	2.424028	6.831825	0.792813	2.68948191	4.01053992	1.50747923	214	793	89
201798	NM_145720	TIGD4	tigger transposable element deriv	-3.354713388	-2.961076492	0.604455	0.181985	0.188857	1.30878272	0.52452456	0.58209675	58	23	24
284751	NR_034124	LINC01270	long intergenic non-protein codin	-8.624491445	-2.963488407	0.517857	0.058354	0.164978	1.11880553	0.18071335	0.47868902	46	7	19
345193	NM_198506	LRIT3	leucine rich repeat, Ig-like and tra	-1.041621647	-2.963488407	0.335525	0.317342	0.104253	1.11880553	1.08728891	0.47868902	46	59	19
54984	NM_001284356,NM_017884	PINX1	PIN2/TERF1 interacting, telomer	-1.127380081	-2.96378284	12.487066	11.109013	3.951472	4.31096679	4.14719676	2.8792661	740	877	307
4807	NM_005598	NHLH1	nescient helix-loop-helix 1	1.169757683	-2.964817872	0.885373	1.038634	0.280499	1.6852613	1.84504029	0.80366934	87	136	36
574042	NR_002327	SNORA10	small nucleolar RNA, H/ACA box	-1.465245696	-2.967705763	80.094444	54.682575	25.393414	3.509976	3.01642592	2.16988427	408	372	169
169270	NM_001042415,NM_001042416	ZNF596	zinc finger protein 596	-1.22749478	-2.968142723	1.956153	1.629741	0.612492	2.69516719	2.4491251	1.50747923	215	234	89
389741	NR_015363,NR_126044,NR_12	GLIDR	glioblastoma down-regulated RN	1.126612305	-2.971998633	7.523126	9.065407	2.47276	3.69442889	3.85387581	2.32699908	469	706	194
114038	NR_026863	LINC00313	long intergenic non-protein codin	-1.013543289	-2.976230635	0.974703	0.952376	0.281831	0.64188297	0.63490936	0.24657076	22	29	9
692312	NM_001040664,NM_001198690	PPAN-P2RY11	PPAN-P2RY11 readthrough	-1.098443466	-2.978211005	15.544608	14.178353	4.899071	5.63962535	5.50700299	4.12116227	1918	2333	792
1757	NM_001134707,NM_007101	SARDH	sarcosine dehydrogenase	-2.374157273	-2.983724742	0.559535	0.23758	0.175751	1.51570785	0.83317479	0.69713258	73	41	30
51602	NM_015934	NOP58	NOP58 ribonucleoprotein	1.05604921	-2.988144446	153.178391	161.944977	48.170227	8.25458087	8.33300788	6.68466564	11951	16863	4919
54575	NM_019075	UGT1A10	UDP glucuronosyltransferase fan	2.17681504	-2.98816016	9.725415	21.196379	3.057957	4.56027919	5.64914731	3.09742492	887	2580	365
284723	NM_207348	SLC25A34	solute carrier family 25 member 3	-1.892681787	-2.98827319	1.236287	0.654711	0.385303	2.23841445	1.5673195	1.16514558	146	103	60
1124	NM_001039936,NM_001293069	CHN2	chimerin 2	-3.998396703	-2.988442793	1.045659	0.251841	0.314697	2.09955541	0.86372326	1.06873498	129	43	53
100874365	NR_047506	HOXC-AS3	HOXC cluster antisense RNA 3	-1.726046176	-2.991254473	3.062167	1.758281	0.938967	1.08456011	0.72085408	0.45708734	44	34	18
100335030	NR_033267	LOC100335030	FGFR1 oncogene partner 2 pseu	-1.260395832	-2.992244174	0.96439	0.769086	0.299736	1.9928118	1.75012126	0.99569924	117	124	48
10863	NM_001304351,NM_014265,NM	ADAM28	ADAM metallopeptidase domain	1.113925319	-2.992320242	1.916881	2.526174	0.602652	3.82202563	3.96723624	2.43038515	516	768	212
6835	NM_001278928,NM_017503	SURF2	surfeit 2	-1.161515266	-3.000239734	44.477857	38.337196	13.909929	5.23273681	5.02289554	3.72222359	1437	1653	589
7805	NM_006762	LAPTM5	lysosomal protein transmembran	2.147410835	-3.002837176	1.079396	2.331721	0.338733	1.75224037	2.60642858	0.83750224	93	267	38
642776	NR_130730,NR_132337	DANT2	DXZ4 associated non-coding trar	1.565658946	-3.00569727	0.122722	0.194932	0.038055	0.3273552	0.48576948	0.1148164	10	21	4
100124533	NR_003703	SCARNA27	small Cajal body-specific RNA 27	-1.211902248	-3.00569727	2.055734	1.618835	0.612559	0.3273552	0.27464693	0.1148164	10	11	4
163115	NM_152605	ZNF781	zinc finger protein 781	1.195404003	-3.00569727	0.079801	0.099756	0.025195	0.3273552	0.38406669	0.1148164	10	16	4
102723345	NR_135320	LOC102723345	uncharacterized LOC102723345	-1.477002155	-3.00569727	0.578365	0.375744	0.182541	0.3273552	0.2284445	0.1148164	10	9	4
102465975	NR_106821	MIR6763	microRNA 6763	-1.027484135	-3.00569727	3.833534	3.735206	1.086948	0.3273552	0.31941552	0.1148164	10	13	4
554225	NR_146078	STRCP1	stereocilin pseudogene 1	-2.000210892	-3.006356863	0.259477	0.128395	0.079035	1.24819466	0.75384785	0.54161868	54	36	22
100127983	NM_001190972	C8orf88	chromosome 8 open reading fran	-1.561001298	-3.006400689	1.880066	1.207765	0.57097	1.55375576	1.16293478	0.71544405	76	65	31
268	NM_000479	AMH	anti-Mullerian hormone	-1.346522584	-3.011368029	14.542503	10.821191	4.539749	4.76875136	4.3576867	3.28075123	1031	1023	421
8828	NM_003872,NM_018534,NM_20	NRP2	neuropilin 2	1.107320708	-3.014107577	17.328585	19.491392	5.416981	6.6239657	6.76962433	5.06131639	3833	5671	1564
399975	NR_145484	LOC399975	uncharacterized LOC399975	-2.492909159	-3.014456106	2.431125	0.972163	0.757187	3.25675288	2.14776967	1.9400446	336	180	137
647033	NR_003284	PA2G4P4	proliferation-associated 2G4 pse	1.135214376	-3.017794428	1.118665	1.271339	0.346573	2.00201503	2.14154997	0.99569924	118	179	48
7762	NM_013250	ZNF215	zinc finger protein 215	-1.363281247	-3.021235715	8.954937	6.579306	2.782616	5.04068637	4.6093958	3.53128747	1253	1228	510
105416157	NR_131157	NKILA	NF-kappaB interacting lncRNA	1.079461081	-3.02403311	7.328853	7.920414	2.27513	4.28857758	4.39345927	2.83389297	728	1050	296
55199	NM_001099653,NM_018172,NM	FAM86C1	family with sequence similarity 86	1.042499673	-3.025196579	7.365919	7.75719	2.338688	4.00938005	4.06578025	2.56278312	593	826	241
115362	NM_001134486,NM_052942	GBP5	guanylate binding protein 5	-1.427196617	-3.028226501	0.090412	0.066615	0.046825	0.46682716	0.34128894	0.16897038	15	14	6
4862	NM_002518	NPAS2	neuronal PAS domain protein 2	-1.55700813	-3.030865755	21.041443	13.527442	6.521898	6.37577691	5.74661881	4.81080629	3221	2764	1307
100288181	NR_038925	LOC100288181	uncharacterized LOC100288181	-2.096649785	-3.032318411	2.701486	1.287215	0.835415	3.99562384	3.0232078	2.56774382	587	374	238
91156	NM_001164586	IGFN1	immunoglobulin-like and fibronec	-1.171299709	-3.035894951	0.1253	0.106458	0.037235	1.29387258	1.16293478	0.56199967	57	65	23
285180	NM_198483,NR_034176	RUFY4	RUN and FYVE domain containir	-2.628671551	-3.035911407	2.315326	0.724712	0.693602	2.89117014	1.78245981	1.63800401	252	128	102
101926911	NR_110104	LOC101926911	uncharacterized LOC101926911	1.010331226	-3.039681985	0.319985	0.325975	0.097364	0.59399636	0.59904473	0.22116494	20	27	8
644762	NR_110534	LOC644762	mitochondrial fission factor pseu	-1.480761414	-3.039681985	0.31776	0.218485	0.091472	0.59399636	0.42561204	0.22116494	20	18	8
3700	NM_001166449,NM_002218	ITIH4	inter-alpha-trypsin inhibitor heavy	-1.165324176	-3.040572688	1.609434	1.386543	0.49002	2.59533164	2.41343275	1.40965954	198	227	80
25876	NM_015417	SPEF1	sperm flagellar 1	1.395700898	-3.041635011	1.093583	1.540619	0.331127	1.43646263	1.75827411	0.64076093	67	125	27
137872	NM_144650	ADHFE1	alcohol dehydrogenase, iron con	-1.621527464	-3.043344682	1.633999	1.009338	0.49911	2.01115992	1.52015496	0.99569924	119	98	48
115111	NM_001282356,NM_001282357	SLC26A7	solute carrier family 26 member 7	-1.299432371	-3.043914052	0.374271	0.284725	0.107791	1.50279892	1.26944952	0.6785857	72	74	29
102724297	NR_125406	LOC102724297	uncharacterized LOC102724297	1.345702195	-3.046617599	0.679288	0.911047	0.191932	0.71085839	0.89363826	0.27153692	25	45	10
165082	NM_001145168,NM_001145169	ADGRF3	adhesion G protein-coupled rece	1.882278132	-3.046617599	0.140712	0.278084	0.043105	0.71085839	1.1381576	0.27153692	25	63	10
6591	NM_003068	SNAI2	snail family transcriptional repres	1.458919258	-3.046781253	9.057437	13.243142	2.789793	4.29420754	4.81585323	2.82969649	731	1425	295
253639	NM_001256167,NM_001256168	ZNF620	zinc finger protein 620	1.264040318	-3.050779889	2.746754	3.681717	0.858756	3.0370876	3.33804373	1.74883089	283	478	114
100506325	NR_103856,NR_103857	SP2-AS1	SP2 antisense RNA 1	1.465492068	-3.051815392	1.156342	2.114319	0.416084	1.79522562	2.20853486	0.85412573	97	190	39
653113	NR_024254	FAM86FP	family with sequence similarity 86	-1.480382376	-3.05448593	5.003982	3.381832	1.536356	3.51841288	3.009612	2.1430785	410	370	165
100128386	NR_133571	LOC100128386	uncharacterized LOC100128386	-1.297824945	-3.054601997	0.488976	0.375466	0.14986	0.91952222	0.75384785	0.36729312	35	36	14
4352	NM_005373	MPL	MPL proto-oncogene, thrombopc	-1.468395124	-3.061914793	0.394123	0.263841	0.120045	1.26358189	0.96581954	0.54161868	55	50	22
3340	NM_001301063,NM_001543	NDST1	N-deacetylase and N-sulfotransfe	-2.599818655	-3.064101584	12.77429	4.957563	3.91192	6.65565625	5.2998966	5.06934731	3919	2014	1573
7556	NM_015394	ZNF10	zinc finger protein 10	-1.382316803	-3.070029342	6.565923	4.756766	2.009735	4.86646518	4.4181112	3.34684674	1106	1069	443
79684	NM_001308027,NM_001312919	MSANTD2	Myb/SANT DNA binding domain	-2.564204706	-3.070165704	23.657893	9.30571	7.359098	6.16661807	4.83910025	4.58917433	2781	1449	1114
379025	NR_029434,NR_029435	PSMA3-AS1	PSMA3 antisense RNA 1	-1.071569208	-3.077566892	44.763968	41.980783	13.797399	6.77118225	6.67239964	5.17649847	4249	5298	1698
8759	NM_036636	ADAM1A	ADAM metallopeptidase domain	-1.322984089	-3.085592141	4.661402	3.533676	1.419053	3.79844995	3.42767171	2.37386535	507	512	202
4915	NM_001007097,NM_001018064	NTRK2	neurotrophic receptor tyrosine kir	1.10954551	-3.089051714	0.21167	0.213167	0.056305	1.30878272	1.40024122	0.56199967	58	86	23
51348	NM_001291822,NM_001291823	KLRF1	killer cell lectin like receptor F1	-5.768369778	-3.092022467	1.008168	0.170816	0.304909	1.15225689	0.27464693	0.47868902	48	11	19
375190	NM_001145710,NM_001291328	FAM228B	family with sequence similarity 22	-1.129119785	-3.092940951	2.822636	2.483455	0.951907	2.11660268	1.98361768	1.05442063	131	155	52
90784	NR_026984	LOC90784	uncharacterized LOC90784	1.059154076	-3.09652081	11.517959	12.217136	3.492487	5.39173379	5.472731	3.83119295	1609	2277	639
10391	NM_001190456,NM_001190457	CORO2B	coronin 2B	1.242438852	-3.097237019	0.762729	0.950074	0.231916	1.88750088	2.12272838	0.90287695	106	176	42
10071	NM_001164462	MUC12	mucin 12, cell surface associated	1.3085809	-3.104365371	0.044469	0.057834	0.013153	0.77668602	0.95166931	0.29607837	28	49	11
374491	NR_002815	TPTE2P6	transmembrane phosphoinositide	-1.334414633	-3.104365371	0.269783	0.202095	0.075866	0.77668602	0.61708849	0.29607837	28	28	11
442075	NR_103821	EMC3-AS1	EMC3 antisense RNA 1	-1.026303909	-3.108116921	9.506031	9.270221	2.872643	5.47423193	5.43762501	3.9048845	1706	2221	675
677767	NR_003001	SCARNA7	small Cajal body-specific RNA 7	-1.482074606	-3.108730411	12.838884	8.615185	3.834532	2.3579234	1.9196316	1.21747821	162	146	64
100129516	NR_145451	LINC02012	long intergenic non-protein codin	-2.769632304	-3.114990755	0.811741	0.290984	0.241712	2.16656821	1.1751656	1.08290869	137	66	54
400612	NR_126169	PRR29-AS1	PRR29 antisense RNA 1	1.535266283	-3.120912078	0.158084	0.243175	0.046685	0.54446555	0.77006602	0.19530369	18	37	7
3822	NM_002260	KLRC2	killer cell lectin like receptor C2	1.287262584	-3.120912078	0.386932	0.500148	0.115022	0.54446555	0.669904	0.19530369	18	31	7
103504731	NR_128711	MIR3648-2	microRNA 3648-2	2.072607632	-3.120912078	2.603855	5.36367	0.737521	0.54446555	0.96581954	0.19530369	18	50	7
4038	NM_002334	LRP4	LDL receptor related protein 4	-1.144265459	-3.120912078	0.057207	0.049893	0.016719	0.54446555	0.48576948	0.19530369	18	21	7

650794	NR_038939,NR_046461	MIPEPP3	mitochondrial intermediate peptic	1.163260734	-3.120912078	0.25337	0.304117	0.073848	0.54446555	0.61708849	0.19530369	18	28	7
401027	NM_213608	C2orf66	chromosome 2 open reading fran	1.276161639	-3.121706979	0.580389	0.750408	0.168711	1.2010231	1.41062362	0.49997203	51	87	20
1947	NM_004429	EFNB1	ephrin B1	-2.000716379	-3.12173017	9.549298	4.775712	2.869186	4.99877622	4.04260277	3.44886901	1216	812	479
113763	NM_138434	ZBED6CL	ZBED6 C-terminal like	1.102358752	-3.122096963	4.367963	4.821769	1.313298	3.72531928	3.85577671	2.29691521	480	707	189
374393	NM_001142703,NM_001142704	FAM111B	family with sequence similarity 1	1.013372191	-3.123234217	35.561692	36.061124	10.746324	6.95301021	6.97202111	5.33441396	4825	6533	1900
105374261	NR_146716	LINC02041	long intergenic non-protein codin	1.641231196	-3.133324049	1.104466	1.822906	0.317752	1.03161781	1.44132992	0.41288872	41	90	16
9586	NM_001011666,NM_004904,NM	CREB5	cAMP responsive element bindin	-1.685475536	-3.13350002	2.46351	1.496405	0.75482	4.35113248	3.64550876	2.84640965	762	604	299
7378	NM_001287426,NM_001287428	UPP1	uridine phosphorylase 1	-1.105134045	-3.133613707	80.970899	67.775512	22.470317	6.79023237	6.64737704	5.16987408	4306	5206	1690
26792	NR_002738	SNORD57	small nucleolar RNA, C/D box 57	1.262653242	-3.133720163	82.225266	104.126862	24.452091	2.76169834	3.05333783	1.50747923	227	383	89
11184	NM_001042600,NM_007181	MAP4K1	mitogen-activated protein kinase	-1.294994713	-3.136848421	0.591736	0.464743	0.170877	1.39514558	1.1751656	0.60191771	64	66	25
132946	NM_206919	ARL9	ADP ribosylation factor like GTPa	1.7212194	-3.138847011	0.396274	0.701862	0.100107	0.41264541	0.65251278	0.14214747	13	30	5
107984773	NR_147199,NR_147200,NR_14	LINC01852	long intergenic non-protein codin	1.378608462	-3.138847011	0.187955	0.246088	0.082172	0.41264541	0.54351856	0.14214747	13	24	5
54825	NM_001171976,NM_017675	CDHR2	cadherin related family member 2	-1.15648108	-3.138847011	0.078104	0.066458	0.023134	0.41264541	0.36283659	0.14214747	13	15	5
55638	NM_001099743,NM_001099744	SYBU	syntabulin	-1.750149987	-3.141365325	3.658705	2.090591	1.207829	3.5292011	2.81230346	2.12264217	414	316	162
63920	NM_001303251,NM_022090	ZBED8	zinc finger BED-type containing 8	1.069655854	-3.143825257	3.978294	4.272194	1.199842	3.62464406	3.71417485	2.20270591	445	636	174
84766	NM_001144958,NM_032680	CRACR2A	calcium release activated channe	-1.142899878	-3.146965808	0.713956	0.622891	0.212159	1.56621863	1.44132992	0.69713258	77	90	30
100996702	NR_103746	LINC01356	long intergenic non-protein codin	-1.182676374	-3.152597852	0.434828	0.373856	0.125281	0.83964067	0.73744528	0.32020933	31	35	12
8630	NM_003725	HSD17B6	hydroxysteroid 17-beta dehydrog	-1.421949198	-3.156289497	0.785689	0.552389	0.23472	1.16869613	0.90836632	0.47868902	49	46	19
64091	NM_001308333,NM_022135	POPDC2	popeye domain containing 2	1.3287838	-3.15800382	1.022621	1.313138	0.288567	1.43646263	1.70865125	0.62147005	67	119	26
116936	NR_000026	SNORD139	small nucleolar RNA, C/D box 13	1.221321202	-3.160031422	136.730942	167.236588	40.411919	3.05929974	3.3161202	1.73094093	288	470	112
374819	NM_001303255,NM_199340	LRRC37A3	leucine rich repeat containing 37	-1.489752874	-3.164592559	3.569392	2.503516	1.132811	4.3919615	3.8500665	2.87112187	785	704	305
6097	NM_001001523,NM_005060	RORC	RAR related orphan receptor C	-5.47993483	-3.164894695	0.521293	0.095744	0.153172	1.36692851	0.36283659	0.58209675	62	15	24
1960	NM_001199880,NM_001199881	EGR3	early growth response 3	2.010855184	-3.167938249	0.156824	0.312473	0.04612	0.73313634	1.22307764	0.27153692	26	70	10
100616292	NR_039839	MIR4690	microRNA 4690	1.265488634	-3.167938249	11.181139	14.361583	3.255515	0.73313634	0.8787583	0.27153692	26	44	10
27022	NM_012183	FOXD3	forkhead box D3	-1.067926637	-3.179644362	0.09682	0.091595	0.019331	0.26755841	0.25173066	0.08695753	8	10	3
2201	NM_001999	FBN2	fibrillin 2	3.8906135	-3.179644362	0.019516	0.075665	0.005592	0.26755841	0.84852988	0.08695753	8	42	3
101927220	NR_110671	DEPDC1-AS1	DEPDC1 antisense RNA 1	3.05973924	-3.179644362	0.160357	0.515148	0.04777	0.26755841	0.70406985	0.08695753	8	33	3
101928378	NR_110730	PTOV1-AS2	PTOV1 antisense RNA 2	1.104955933	-3.180857756	25.1373	27.799059	7.420397	4.80469545	4.94378615	3.24338068	1058	1562	409
3203	NM_024014	HOXA6	homeobox A6	-4.15068174	-3.187776075	2.536935	0.597472	0.745963	1.57857476	0.56226574	0.69713258	78	25	30
348174	NM_001136214,NM_001271197	CLEC18A	C-type lectin domain family 18 m	-1.22782383	-3.188206964	1.018004	0.833084	0.299515	1.73025772	1.52971203	0.78645063	91	99	35
342977	NM_001098622,NR_146095,NR	NANOS3	nanos C2HC-type zinc finger 3	-2.236462683	-3.194685305	1.85503	0.923067	0.669245	1.13562816	0.61708849	0.45708734	47	28	18
100505696	NR_046084	SH3BP5-AS1	SH3BP5 antisense RNA 1	1.179802502	-3.199543051	3.101721	3.660193	0.910534	4.15675275	4.38295215	2.64620047	661	1042	254
162461	NM_001168215,NM_153229	TMEM92	transmembrane protein 92	-4.408581195	-3.205887109	4.387928	0.991475	1.272085	3.66576097	1.86782539	2.21562831	459	139	176
1437	NM_000758	CSF2	colony stimulating factor 2	1.28084533	-3.209125194	41.213123	52.857494	12.066825	5.02271227	5.37007127	3.43512339	1237	2117	474
84290	NM_032330	CAPNS2	calpain small subunit 2	-1.437297743	-3.209538186	1.063961	0.745265	0.296172	1.04948198	0.80196545	0.41288872	42	39	16
345643	NM_001190787	MCIDAS	multiciliate differentiation and DN	-1.753142863	-3.225629275	3.394359	1.932544	0.98297	2.99161027	2.31185141	1.65707652	273	208	104
28951	NM_021643,NR_027303	TRIB2	tribbles pseudokinase 2	-1.109018965	-3.227620252	4.983685	4.668365	1.449467	4.48515183	4.34285452	2.9311116	840	1012	320
3059	NM_001292041,NM_005335	HCLS1	hematopoietic cell-specific Lyn s	1.273570112	-3.228593359	0.464575	0.590262	0.130955	0.95786335	1.1381576	0.36729312	37	63	14
102465444	NR_106800	MIR6742	microRNA 6742	-1.52166906	-3.228610585	6.630141	4.391739	1.634301	0.49317359	0.3412894	0.16897038	16	14	6
284618	NR_145424,NR_145425,NR_14	RUSC1-AS1	RUSC1 antisense RNA 1	-1.846660918	-3.244612523	2.632334	1.40469	0.757477	2.46162969	1.78245981	1.25551499	177	128	67
10893	NM_006690	MMP24	matrix metallopeptidase 24	1.556755884	-3.245425254	0.144307	0.225921	0.036904	0.68823103	0.96581954	0.24657076	24	50	9
6450	NM_001001713,NM_001317740	SH3BGR	SH3 domain binding glutamate ri	-1.454125687	-3.249628727	3.441521	2.235799	0.967126	2.15010456	1.75012126	1.03996283	135	124	51
8336	NM_003514	HIST1H2AM	histone cluster 1 H2A family mem	1.821561488	-3.253928098	1.667424	3.122343	0.475456	0.86002952	1.31437719	0.32020933	32	78	12
7442	NM_018727,NM_080704,NM_08	TRPV1	transient receptor potential catior	1.203255059	-3.259305382	2.786266	3.343889	0.789137	3.68016614	3.9280232	2.20918158	464	746	175
27040	NM_001014987,NM_001014988	LIN7B	linker for activation of T-cells	1.01530323	-3.26515966	7.844422	8.108903	2.243675	3.78518394	3.80552077	2.29691521	502	681	189
206412	NM_001010868	C6orf163	chromosome 6 open reading fran	-1.110338366	-3.266803796	1.277036	1.154607	0.361181	1.39514558	1.03027576	0.58209675	64	77	24
91012	NM_001281731,NM_001331069	CERS5	ceramide synthase 5	-1.202545346	-3.268920588	25.73894	19.783079	7.134782	6.1108172	5.84893645	4.44847569	2674	2971	1006
101927027	NR_110204,NR_110205,NR_11	LOC101927027	uncharacterized LOC101927027	1.756926178	-3.269196916	2.141389	4.385494	0.629227	2.48807034	3.18617855	1.26797492	181	425	68
5575	NM_001164758,NM_001164759	PRKAR1B	protein kinase cAMP-dependent	1.004654802	-3.281042412	11.533568	11.606251	3.289835	4.87149524	4.87796738	3.26529764	1110	1490	416
339874	NR_038976	LOC339874	uncharacterized LOC339874	1.090773702	-3.284146512	0.77878	0.848506	0.22005	1.32354034	1.40024122	0.54161868	59	86	22
129881	NM_001085447	CCDC173	coiled-coil domain containing 173	1.644584923	-3.287105252	0.414252	0.69273	0.110585	0.91952222	1.30327576	0.34394329	35	77	13
101929715	NR_110597	LOC101929715	uncharacterized LOC101929715	1.467296963	-3.289258898	0.777248	1.162288	0.220457	0.7550755	1.00745609	0.27153692	27	53	10
92291	NM_144575	CAPN13	calpain 13	4.752929836	-3.289258898	0.255751	1.253491	0.072809	0.7550755	2.09724475	0.27153692	27	172	10
100128285	NR_024595	DNM1P35	dynamin 1 pseudogene 35	-1.242778962	-3.289258898	0.192412	0.154705	0.055315	0.7550755	0.63490936	0.27153692	27	29	10
10666	NM_001303618,NM_001303619	CD226	CD226 molecule	1.063208728	-3.293222865	0.173233	0.187806	0.049669	0.56944351	0.59904473	0.19530369	19	27	7
554279	NR_040064	LINC00862	long intergenic non-protein codin	-1.057421433	-3.293222865	0.344636	0.330735	0.090074	0.56944351	0.54351856	0.19530369	19	24	7
164592	NM_001331066,NM_152612	CCDC116	coiled-coil domain containing 116	-1.10311223	-3.293222865	0.21903	0.2173	0.062349	0.56944351	0.52452456	0.19530369	19	23	7
64581	NM_022570,NM_197947,NM_19	CLEC7A	C-type lectin domain containing 7	-1.581449141	-3.293222865	0.180874	0.116201	0.044435	0.56944351	0.38406669	0.19530369	19	16	7
100113378	NR_003684	SNORD119	small nucleolar RNA, C/D box 11	-1.029436825	-3.294216285	25.424681	24.72036	7.202867	1.76310734	1.73367602	0.78645063	94	122	35
199221	NM_001170538,NM_173543	DZIP1L	DAZ interacting zinc finger protei	-1.07017074	-3.29725106	2.478096	2.371846	0.698179	3.23349937	3.14635273	1.8266989	330	412	123
29931	NR_024065	LINC00312	long intergenic non-protein codin	-1.723669007	-3.301678767	0.554202	0.322137	0.156842	1.36692851	0.93737891	0.56199967	62	48	23
101928324	NR_125952,NR_125953	LOC101928324	uncharacterized LOC101928324	-1.331809288	-3.302934643	0.348338	0.25485	0.089039	0.35634914	0.27464693	0.1148164	11	11	4
3232	NM_006898	HOXD3	homeobox D3	1.055233464	-3.315520112	1.135125	1.19871	0.316784	1.82664439	1.88281796	0.82068496	100	141	37
6329	NM_000334	SCN4A	sodium voltage-gated channel alp	-6.252699016	-3.31558904	0.12543	0.019395	0.035042	0.97665845	0.20477631	0.36729312	38	8	14
1051	NM_001285878,NM_001285879	CEBPB	CCAAT/enhancer binding protein	5.859949742	-3.325917707	8.414429	49.440994	2.366923	4.19336823	6.67751372	2.63181117	679	5317	251
143689	NM_152431	PIWIL4	piwi like RNA-mediated gene sile	-14.23610486	-3.326936534	0.618039	0.041216	0.170909	1.55375576	0.18071335	0.65979727	76	7	28
7151	NR_002719	TOP1P1	topoisomerase (DNA) I pseudoge	-1.128476299	-3.33030586	0.520871	0.46034	0.145732	1.16869613	1.07428646	0.45708734	49	58	18
55853	NM_024628,NR_024629,NR_02	IDI2-AS1	IDI2 antisense RNA 1	1.166415332	-3.332558616	1.361633	1.580734	0.375276	1.44997615	1.59489542	0.60191771	68	106	25
2318	NM_001127487,NM_001458	FLNC	filamin C	2.002289658	-3.341955774	0.062927	0.125454	0.017369	0.64188297	1.08728891	0.22116494	22	59	8
4338	NM_004531,NM_176806	MOCS2	molybdenum cofactor synthesis 2	-3.17155285	-3.352354336	21.257441	6.742067	6.005761	6.34942974	4.72205729	4.64517113	3162	1332	1160
100129482	NR_026777	ZNF37BP	zinc finger protein 37B, pseudoge	-1.382673079	-3.353649599	6.24131	4.517952	1.746504	5.75298837	5.29570161	4.06871313	2078	2008	762
27327	NM_001330520,NM_001351850	TNRC6A	trinucleotide repeat containing 6A	-1.02063705	-3.353913078	22.891213	22.28984	6.298447	7.54485102	7.51554009	5.81702682	7292	9546	2674
643596	NM_001190228	RNF224	ring finger protein 224	-1.316571928	-3.363504668	2.38321	1.801887	0.651687	2.16656821	1.86782539	1.02535867	137	139	50
677823	NR_002974	SNORA80E	small nucleolar RNA, H/ACA box	2.925067466	-3.363855863	0.440725	1.742334	0.125536	0.10623215	0.29720487	0.02957205	3	12	1
100500904	NR_037507	MIR3942	microRNA 3942	2.443296723	-3.363855863	0.582206	1.719972	0.105306	0.10623215	0.25173066	0.02957205	3	10	1
102466758	NR_106949	MIR6889	microRNA 6889	2.202411351	-3.363855863	1.189747	2.86508	0.063732	0.10623215	0.2284445	0.02957205	3	9	1
349334	NM_199244,NM_199244_dup1	FOXD4L4	forkhead box D4-like 4	2.684182094	-3.363855863	0.044879	0.167317	0.011904	0.10623215	0.27464693	0.02957205	3	11	1
100500828	NR_037413	MIR3619	microRNA 3619	-1.320831011	-3.363855863	0.702169	0.495711	0.011922	0.10623215	0.08023518	0.02957205	3	3	1
26824	NM_004407	RNU11	RNA, U11 small nuclear	-1.937182024	-3.363855863	0.461124	0.26931	0.132669	0.10623215	0.05398282	0.02957205	3	2	1
494335	NR_029945	MIR423	microRNA 423	-1.937182024	-3.363855863	0.832179	0.262208	0.210536	0.10623215	0.05398282	0.02957205	3	2	1
100313773	NR_031678	MIR548H2	microRNA 548h-2	-1.937182024	-3.363855863	0.766537	0.418447	0.111331	0.10623215	0.05398282	0.02957205	3	2	1
100616165	NR_039929,NR_039929_dup1	MIR4771-2	microRNA 4771-2	-1.002019576	-3.363855863	0.749548	1.007094	0.171625	0.10623215	0.10601836	0.02957205	3	4	1
102465490	NR_106874	MIR6816	microRNA 6816	1.238869866	-3.363855863	0.832012	1.220323	0.077962	0.10623215	0.13134883	0.02957205	3	5	1
5288	NM_001288772,NM_001288774	PIK3C2G	phosphatidylinositol-4-phosphate	-4.091459564	-3.368056948	0.965638	0.231273	0.265532	2.48807034	1.08728891	1.24294651	181	59	66
5324	NM_001114634,NM_001114635	PLAG1	PLAG1 zinc finger	1.695395508	-3.372635138	1.261861	2.220461	0.360175	3.32434579	4.02581645	1.87636985	354	802	129
162966	NM_001321866,NM_001321867	ZNF600	zinc finger protein 600	-3.43538478	-3.377783635	7.578842	2.154315	2.089378	4.89515141	3.22787299	3.24967672	1129	439	411
347051	NM_001010893	SLC10A5	solute carrier family 10 member 5	-1.172578749	-3.380722673	0.708428	0.609341	0.190991	0.93882015	0.83317479	0.34394329	36	41	13
101927751	NR_135827,NR_135828,NR_13	LOC101927751	uncharacterized LOC101927751	-1.139340781	-3.381327986	0.354523	0.313597	0.096467	1.30878272	1.19932051	0.52094563	58	68	21
100131193	NR_024580	CCDC183-AS1	CCDC183 antisense RNA 1	1.664480191	-3.388035723	1.510539	2.515624	0.416588	2.17473011	2.77662633	1.02535867	138	307	50
3423	NM_000202,NM_001166550,NM	IDS	iduronate 2-sulfatase	-3.648445865	-3.38980048	19.658874	8.974652	9.394928	6.62842965	4.79915696	4.90156607	3845	1408	1395
2247	NM_002006	FGF2	fibroblast growth factor 2	-2.259745657	-3.391644388	12.971202	5.746312	3.592299	6.43558612	5.28021477	4.71281235	3359	1986	1218
80008	NM_001303228,NM_024943	TMEM156	transmembrane protein 156	-1.939810003	-3.394818108	2.675715	1.387529	0.740859	2.60139951	1.85267538	1.31676564	199	137	72
6101	NM_006269	RP1	RP1, axonemal microtubule assc	-1.628272605	-3.395262372	0.224438	0.136864	0.061908	1.35261029	0.96581954	0.54161868	61	50	22
730092	NR_003370	RRN3P1	RRN3 homolog, RNA polymeras	1.491949802	-3.395607796	5.116212	7.646561	1.41394	3.17367098	3.69731229	1.74883089	315	628	114
83539	NM_001256316,NM_031422	CHST9	carbohydrate sulfotransferase 9	-2.146414061	-3.396090811	1.372624	0.628021	0.370402	2.01115992	1.26944952	0.91876801	119	74	43
55567	NM_001347886,NM_017539	DNAH3	dynein axonemal heavy chain 3	1.418956783	-3.402584721	0.080035	0.114623	0.021689	0.99521185	1.26944952	0.36729312	39	74	14
166336	NM_198859	PRICKLE2	prickle planar cell polarity protein	2.453586208	-3.410579548	0.086683	0.214931	0.023995	0.77668602	1.4614436	0.27153692	28	92	10
84541	NM_032505	KBTBD8	kelch repeat and BTB domain co	1.636797155	-3.413357616	0.295702	0.48537	0.076845	1.23264156	1.68318474	0.47868902	53	116	19
340037	NR_038915,NR_038916	PRR7-AS1	PRR7 antisense RNA 1	2.456358685	-3.427085384	0.902178	2.250221	0.245721	1.27880673	2.17238371	0.49997203	56	184	20

3426	NM_000204,NM_001318057,NM	CFI	complement factor I	2.062512609	-3.42899467	0.191154	0.403719	0.053756	0.5190475	0.92294555	0.16897038	17	47	6
339804	NM_001143959,NM_001143960	C2orf74	chromosome 2 open reading fran	-1.329753752	-3.436753272	12.472955	9.321499	3.350864	3.56379523	3.19220918	2.05235145	425	427	152
84981	NR_028502,NR_028503,NR_02	MIR22HG	MIR22 host gene	-1.454723987	-3.43869006	22.763971	15.846585	6.24263	5.830587	5.30129222	4.10909358	2195	2016	785
5644	NM_002769	PRSS1	protease, serine 1	-2.212807246	-3.440337703	2.335007	1.033565	0.616481	1.51570785	0.8787583	0.62147005	73	44	26
4515	NM_001018025	MTCP1	mature T-cell proliferation 1	1.039899448	-3.444909295	4.478399	4.664246	1.217943	3.47735365	3.52883263	1.97845985	398	553	142
348654	NM_001130009,NM_182625	GEN1	GEN1, Holliday junction 5' flap er	-1.110340864	-3.445105754	25.913164	23.185133	7.005475	7.43659189	7.28650537	5.6722066	6762	8137	2414
124961	NM_153018	ZFP3	ZFP3 zinc finger protein	2.568527124	-3.450820302	0.32182	0.833339	0.084035	1.36692851	2.33928445	0.54161868	62	213	22
101928062	NR_120459,NR_120460,NR_12	LINC01481	long intergenic non-protein codin	-2.95191155	-3.455919321	2.815262	1.080201	0.938168	1.75224037	0.84852988	0.75138414	93	42	33
728715	NR_144634	LOC728715	ovostatin homolog 2	-2.015119059	-3.4627012	37.227959	18.49156	10.105546	5.05954162	4.09182073	3.37014999	1270	842	451
11219	NM_080701	TREX2	three prime repair exonuclease 2	1.642273047	-3.465926414	1.046527	1.743681	0.27878	1.2010231	1.64851465	0.45708734	51	112	18
84699	NM_001271995,NM_001271996	CREB3L3	cAMP responsive element bindin	-1.889307848	-3.465926414	0.506964	0.267243	0.134027	1.2010231	0.75384785	0.45708734	51	36	18
284443	NM_001076678,NM_145326,NM	ZNF493	zinc finger protein 493	1.342319041	-3.467535744	1.343145	2.044124	0.361655	2.73986043	3.10858833	1.39836968	223	400	79
100316868	NR_037843	HOTTIP	HOXA distal transcript antisense	-1.238921134	-3.469105269	1.787507	1.442257	0.482131	3.18986937	2.91797176	1.73991364	319	344	113
100529097	NM_001199973,NM_001199974	RPL36A-HNRNPH2	RPL36A-HNRNPH2 readthrough	-2.291163715	-3.474893837	5.068474	2.273338	1.407299	3.79580649	2.7276415	2.23479744	506	295	179
79081	NM_024099	LBHD1	LBH domain containing 1	-1.050056375	-3.492861599	17.677525	16.841911	4.74718	4.56804599	4.50061221	2.9074142	892	1135	314
375719	NR_002817	AQP7P1	aquaporin 7 pseudogene 1	-1.825738038	-3.499291575	1.100144	0.603172	0.292482	2.14180175	1.52015496	0.98063768	134	98	47
219347	NR_027428,NR_027429,NR_02	TMEM254-AS1	TMEM254 antisense RNA 1	-1.418152714	-3.509370007	0.66185	0.467818	0.187223	1.8573935	1.51053416	0.80366934	103	97	36
26788	NR_002736	SNORD60	small nucleolar RNA, C/D box 60	-1.444544966	-3.514228545	33.139278	23.076271	8.862743	1.88750088	1.52015496	0.82068496	106	98	37
101928865	NR_120564	LOC101928865	uncharacterized LOC101928865	1.268459951	-3.514394734	0.723349	0.921538	0.193321	1.11880553	1.31437719	0.41288872	46	78	16
79663	NM_001320728,NM_024610	HSPBAP1	HSPB1 associated protein 1	1.376471414	-3.514828043	9.53975	13.122602	2.532842	4.2524017	4.69258035	2.6172769	709	1304	248
8120	NM_001278511,NM_001278512	AP3B2	adaptor related protein complex 3	7.003057779	-3.516319342	0.035698	0.561633	0.010072	0.20517559	1.06116576	0.0585501	6	57	2
51294	NM_016580	PCDH12	protocadherin 12	1.488162123	-3.516319342	0.022302	0.035787	0.004162	0.20517559	0.29720487	0.0585501	6	12	2
129446	NM_001079810,NM_001199143	XIRP2	xin actin binding repeat containin	2.223481544	-3.516319342	0.012365	0.027826	0.003154	0.20517559	0.42561204	0.0585501	6	18	2
102465491	NR_106877	MIR6819	microRNA 6819	-3.807641671	-3.516319342	2.161352	0.381788	0.483404	0.20517559	0.05398282	0.0585501	6	2	2
1145	NM_000080	CHRNE	cholinergic receptor nicotinic eps	1.365608886	-3.516319342	0.063597	0.087214	0.008366	0.20517559	0.27464693	0.0585501	6	11	2
100847013	NR_049889	MIR5692B	microRNA 5692b	-7.138955275	-3.516319342	1.64643	0.080307	0.307092	0.20517559	0.02724389	0.0585501	6	1	2
102466736	NR_106847	MIR6789	microRNA 6789	2.100928307	-3.516319342	1.535244	3.25864	0.343191	0.20517559	0.40498891	0.0585501	6	17	2
440299	NR_033787	DNM1P41	dynamin 1 pseudogene 41	-3.807641671	-3.516319342	0.032069	0.007719	0.007681	0.20517559	0.05398282	0.0585501	6	2	2
1506	NM_001907	CTRL	chymotrypsin like	1.116801408	-3.52195062	5.68979	6.37654	1.510948	2.92058788	3.05994879	1.51794971	258	385	90
728228	NR_033917	LINC01433	long intergenic non-protein codin	2.196866897	-3.524630017	1.866545	4.125668	0.47631	1.16869613	1.90501868	0.43515728	49	144	17
100507607	NM_001287250,NM_001287251	NPIPB9	nuclear pore complex interacting	1.090006349	-3.525182863	1.618209	1.777384	0.416083	1.74129091	1.82964782	0.73352601	92	134	32
60681	NM_021939	FKBP10	FK506 binding protein 10	1.200964111	-3.530501148	3.073051	3.698069	0.817891	3.26824058	3.50722624	1.78395874	339	544	118
283316	NM_001297650,NM_174941	CD163L1	CD163 molecule like 1	1.427950773	-3.531216364	1.161196	1.662958	0.309531	2.64904502	3.09255667	1.31676564	207	395	72
374383	NM_001202439	NCR3LG1	natural killer cell cytotoxicity rece	-2.867741384	-3.53144043	1.671443	0.581578	0.443159	3.509976	2.20853486	1.97845985	408	190	142
100310846	NM_001271700	ANKRD61	ankyrin repeat domain 61	-2.031581455	-3.531900197	0.529046	0.26145	0.140327	0.79797761	0.44594451	0.27153692	29	19	10
595099	NR_002442	SNORD18B	small nucleolar RNA, C/D box 18	-1.381890846	-3.531900197	10.619925	7.83233	2.733897	0.79797761	0.61708849	0.27153692	29	28	10
440028	NR_033972	LOC440028	uncharacterized LOC440028	-2.012234718	-3.534827455	1.106954	0.543767	0.293617	1.80577475	1.16293478	0.76902392	98	65	34
347273	NM_001018116	CAVIN4	caveolae associated protein 4	1.183530119	-3.541891676	0.460903	0.548057	0.118673	1.26358189	1.41062362	0.47868902	55	87	19
9045	NM_001034996,NM_003973	RPL14	ribosomal protein L14	-1.268046449	-3.542979871	1216.752319	959.901886	323.454132	10.03750579	9.6952651	8.21601918	41222	43435	14310
106699570	NR_133569	LOC106699570	uncharacterized LOC106699570	-1.042678368	-3.54607754	0.282277	0.275493	0.075307	0.86002952	0.83317479	0.29607837	32	41	11
3684	NM_000632,NM_001145808	ITGAM	integrin subunit alpha M	1.950065155	-3.550444345	0.459203	0.899027	0.119993	1.65056839	2.37153003	0.6785857	84	219	29
100507495	NR_040047,NR_040048,NR_04	SDCBP2-AS1	SDCBP2 antisense RNA 1	1.258919127	-3.55208443	2.469392	2.88984	0.594895	2.68948191	2.97505117	1.34055586	214	360	74
9196	NM_004732	KCNAB3	potassium voltage-gated channel	-1.438499085	-3.556493387	1.782911	1.24319	0.463926	2.4003046	1.99055518	1.13825079	168	156	58
5924	NM_006909	RASGRF2	Ras protein specific guanine nucl	-2.118380492	-3.557918836	0.110964	0.051374	0.028851	0.91952222	0.50527715	0.32020933	35	22	12
729867	NR_123725	LOC729867	uncharacterized LOC729867	-1.865620469	-3.557918836	0.571393	0.306052	0.145538	0.91952222	0.56226574	0.32020933	35	25	12
4193	NM_001145337,NM_001145339	MDM2	MDM2 proto-oncogene	-1.287797135	-3.565380688	12.930611	10.051527	3.406966	6.5754705	6.21490035	4.7796009	3705	3844	1278
85366	NM_033118	MYLK2	myosin light chain kinase 2	1.227237953	-3.567161114	1.16588	1.433238	0.305227	2.0648444	2.29513766	0.91876801	125	205	43
57509	NM_001001924,NM_001001925	MTUS1	microtubule associated scaffold p	2.202644582	-3.567841427	1.583149	4.179034	0.430834	3.44734922	4.5127108	1.91649468	389	1145	134
105375304	NR_136270,NR_136271,NR_13	LOC105375304	uncharacterized LOC105375304	1.083026568	-3.567957514	1.261112	1.459228	0.349076	0.97665845	1.03456085	0.34394329	38	55	13
2819	NM_001257199,NM_005276	GPD1	glycerol-3-phosphate dehydroger	-2.539538125	-3.570855907	0.834451	0.325773	0.215793	1.81624731	0.99371033	0.76902392	99	52	34
3854	NM_005555	KRT6B	keratin 6B	-1.703501573	-3.571606998	0.094069	0.051538	0.026017	0.29776659	0.18071335	0.08695753	9	7	3
255877	NM_181844	BCL6B	B-cell CLL/lymphoma 6B	-2.937033591	-3.571606998	0.066795	0.022133	0.011341	0.29776659	0.10601836	0.08695753	9	4	3
1573	NM_000775,NR_134981,NR_13	CYP2J2	cytochrome P450 family 2 subfar	1.199771015	-3.576422942	6.266054	7.444396	1.598397	3.64240927	3.88585523	2.07380058	451	723	155
100873954	NR_046757	SNRK-AS1	SNRK antisense RNA 1	1.495575385	-3.576576082	0.308069	0.461304	0.074946	1.03161781	1.3579479	0.36729312	41	82	14
3170	NM_021784,NM_153675	FOXA2	forkhead box A2	2.076374743	-3.581504645	0.804036	1.703667	0.208195	1.55375576	2.32837375	0.62147005	76	211	26
2298	NM_207305	FOXD4	forkhead box D4	1.852004039	-3.584055976	0.518104	0.973172	0.127954	1.08456011	1.62195412	0.39027104	44	109	15
102465874	NR_107042	MIR8075	microRNA 8075	-1.451716328	-3.600172016	3.756366	2.619412	0.928333	0.38477185	0.27464693	0.1148164	12	11	4
348761	NR_033879	SPATA3-AS1	SPATA3 antisense RNA 1 (head	1.430658782	-3.600172016	0.089171	0.122894	0.019288	0.38477185	0.52452456	0.1148164	12	23	4
101929639	NR_108108,NR_108109,NR_10	B4GALT1-AS1	B4GALT1 antisense RNA 1	1.183385792	-3.600172016	0.33684	0.314288	0.067471	0.38477185	0.44594451	0.1148164	12	19	4
4117	NM_001242385,NM_001242957	MAK	male germ cell associated kinase	-1.143779286	-3.600172016	0.075757	0.066222	0.018291	0.38477185	0.3412894	0.1148164	12	14	4
165829	NM_001168271,NM_153002	GPR156	G protein-coupled receptor 156	2.914296727	-3.600172016	0.07481	0.217286	0.017838	0.38477185	0.92294555	0.1148164	12	47	4
102465436	NR_106786	MIR6728	microRNA 6728	-1.002073241	-3.600172016	3.378934	3.403952	0.849429	0.38477185	0.38406669	0.1148164	12	16	4
84251	NM_001308203,NM_001350217	SGIP1	SH3 domain GRB2 like endophili	-1.451716328	-3.600172016	0.027568	0.019392	0.007304	0.38477185	0.27464693	0.1148164	12	11	4
101928243	NR_110199,NR_110200	DARS-AS1	DARS antisense RNA 1	2.34671552	-3.617494092	1.977859	4.704204	0.490692	1.40904982	2.2895231	0.54161868	65	204	22
112817	NM_001134670,NM_138413	HOGA1	4-hydroxy-2-oxoglutarate aldolas	-2.114356511	-3.617494092	0.732958	0.358208	0.171289	1.40904982	0.83317479	0.54161868	65	41	22
399671	NM_001220484,NM_203309	HEATR4	HEAT repeat containing 4	1.097011744	-3.617617675	0.108123	0.119208	0.022516	0.46682716	0.50527715	0.14214747	15	22	5
101929057	NR_111915	LOC101929057	uncharacterized LOC101929057	-1.990027621	-3.617617675	0.071232	0.036243	0.019371	0.46682716	0.25173066	0.14214747	15	10	5
1556	NR_001278	CYP2B7P	cytochrome P450 family 2 subfar	-1.00207692	-3.617617675	0.127464	0.134719	0.027475	0.46682716	0.46599441	0.14214747	15	20	5
64146	NM_022341	PDF	peptide deformylase (mitochondr	-1.084270094	-3.618189984	19.744066	18.229929	5.110955	4.53988763	4.42836625	2.83807727	874	1077	297
6082	NR_002908	SNORD20	small nucleolar RNA, C/D box 20	1.054051557	-3.62348565	23.159853	24.356468	5.98411	1.48977343	1.5392062	0.58209675	71	100	24
83756	NM_152228	TAS1R3	taste 1 receptor member 3	-1.106088736	-3.628560293	0.589427	0.528925	0.149372	1.56621863	1.47139626	0.62147005	77	93	26
641467	NR_038381	TSC22D1-AS1	TSC22D1 antisense RNA 1	5.048652025	-3.629378754	0.165603	0.834552	0.042199	0.54446555	1.73367602	0.16897038	18	122	6
100505549	NM_001242804	LOC100505549	uncharacterized LOC100505549	1.317054525	-3.637844439	0.27179	0.357281	0.067	0.61813834	0.77006602	0.19530369	21	37	7
101929128	NR_125431	LOC101929128	uncharacterized LOC101929128	-1.32126152	-3.638394868	3.342212	2.538768	0.869055	1.74129091	1.47139626	0.71544405	92	93	31
100133205	NR_026775	LINC00240	long intergenic non-protein codin	1.215246205	-3.644229564	0.631933	0.764184	0.154325	0.68823103	0.80196545	0.22116494	24	39	8
101927423	NM_001293167	PANO1	proapoptotic nucleolar protein 1	-4.361144438	-3.656505583	0.513715	0.111811	0.129966	0.88013425	0.25173066	0.29607837	33	10	11
80117	NM_025047	ARL14	ADP ribosylation factor like GTPa	2.094788807	-3.658251876	68.980637	144.687759	17.707918	6.45162908	7.50981717	4.62351744	3397	9508	1142
63970	NM_001195194,NM_001195195	TP53AIP1	tumor protein p53 regulated apop	-1.002085556	-3.659249082	0.647042	0.363446	0.073375	0.93882015	0.93737891	0.32020933	36	48	12
142680	NM_001177316,NM_001177317	SLC34A3	solute carrier family 34 member 3	-3.295016278	-3.665961959	2.404369	0.731365	0.615256	2.60744196	1.34717796	1.25551499	200	81	67
23676	NM_014332,NR_045617	SMPX	small muscle protein, X-linked	-1.562279892	-3.666823008	1.203972	0.833261	0.33506	1.15225689	0.83317479	0.41288872	48	41	16
440078	NR_026788	FAM66C	family with sequence similarity 66	-1.92138132	-3.6744402	0.575641	0.297345	0.143085	1.50279892	0.96581954	0.58209675	72	50	24
57698	NM_001127211,NM_001258298	SHTN1	shootin 1	-3.40738691	-3.685000947	8.717237	2.699618	2.607177	5.5221972	3.82699692	3.72222359	1765	692	589
51054	NR_037144	PLEKHA8P1	pleckstrin homology domain cont	-1.296720655	-3.686998998	5.542785	4.276721	1.402277	3.47073972	3.13387411	1.90057841	396	408	132
57711	NM_001145649,NM_001145650	ZNF529	zinc finger protein 529	-1.084087279	-3.688437956	4.117329	3.813493	1.04992	4.44015563	4.32923711	2.72513523	813	1002	271
10158	NM_005764	PDZK1IP1	PDZK1 interacting protein 1	-8.037352033	-3.716535706	2.81926	0.350161	0.710372	1.79522562	0.38406669	0.73352601	97	16	32
594838	NR_002435	SNORD100	small nucleolar RNA, C/D box 10	-1.513293428	-3.720335541	29.191158	19.116432	7.340662	1.66222564	1.28081328	0.65979727	85	75	28
134285	NM_001161342,NM_173490	TMEM171	transmembrane protein 171	-1.645501952	-3.729251968	5.260747	3.201748	1.303273	2.90595399	2.30630165	1.45395569	255	207	84
100287036	NM_001242885	LOC100287036	uncharacterized LOC100287036	1.726789048	-3.737167524	0.987007	1.722066	0.239048	1.26358189	1.77444288	0.45708734	55	127	18
497190	NM_001011880	CLEC18B	C-type lectin domain family 18 m	1.337850935	-3.739931088	0.691861	0.935549	0.16843	1.21691895	1.47139626	0.43515728	52	93	17
728643	NR_003277	HNRNPA1P33	heterogeneous nuclear ribonucle	-1.613184193	-3.746472872	56.446503	35.026051	14.135228	4.94491448	4.28336529	3.16227031	1170	969	384
94115	NM_033183	CGB8	chorionic gonadotropin beta subu	1.073669345	-3.746553571	1.32932	1.454086	0.32626	1.11880553	1.1751656	0.39027104	46	66	15
100526739	NM_001243768,NM_001270517	CENPS-CORT	CENPS-CORT readthrough	1.069116595	-3.754806275	1.796032	1.904856	0.454465	1.80577475	1.87534115	0.73352601	98	140	32
139716	NM_001081573,NM_001282283	GAB3	GRB2 associated binding protein	-2.143875966	-3.754806275	0.535222	0.249561	0.134658	1.80577475	1.11294744	0.73352601	98	61	32
84536	NR_027128,NR_027129	LINC01547	long intergenic non-protein codin	1.682152496	-3.755192355	0.564022	1.054646	0.138159	1.01352966	1.44132992	0.34394329	40	90	13
26798	NR_002589	SNORD51	small nucleolar RNA, C/D box 51	-1.777789402	-3.755192355	14.934499	8.15394	3.624463	1.01352966	0.65251278	0.34394329	40	30	13
729338	NR_024041	CETN4P	centrin 4, pseudogene	-1.701250308	-3.760579328	1.521382	0.897197	0.367189	0.95786335	0.63490936	0.32020933	37	29	12
26765	NR_002433	SNORD12C	small nucleolar RNA, C/D box 12	-1.678929017	-3.766933625	11.134691	6.672265	2.718043	0.89996265	0.59904473	0.29607837	34	27	11
57545	NM_001080522,NM_001164720	CC2D2A	coiled-coil and C2 domain contai	2.526099933	-3.768048245	1.657599	4.274494	0.496623	2.46828542	3.63890054	1.13825079	178	601	58
253827	NM_001031679,NM_001193460	MSRB3	methionine sulfoxide reductase B	-1.979939042	-3.770835752	1.034679	0.520093	0.259766	2.4278825	1.68318474	1.11084509	172	116	56

80741	NM_025262	LY6G5C	lymphocyte antigen 6 family mem	-1.65305663	-3.774541496	1.112441	0.671924	0.273958	0.83964067	0.56226574	0.27153692	31	25	10
4923	NM_002531	NTSR1	neurotensin receptor 1	1.761257417	-3.783814493	0.176958	0.309854	0.038699	0.77668602	1.1751656	0.24657076	28	66	9
400619	NR_033876	LINC00511	long intergenic non-protein codin	-1.7762114	-3.783814493	0.313457	0.173741	0.073651	0.77668602	0.48576948	0.24657076	28	21	9
677815	NR_002968	SNORA2C	small nucleolar RNA, H/ACA box	-1.168354806	-3.783814493	5.186769	4.525806	1.25519	0.77668602	0.68708806	0.24657076	28	32	9
101928120	NM_001321726	LOC101928120	uncharacterized LOC101928120	-1.59248428	-3.784167881	1.520047	0.955591	0.377131	1.44997615	1.06116576	0.54161868	68	57	22
653720	NM_001282468	GOLGA8M	golgin A8 family member M	-2.382833171	-3.798959796	0.293666	0.119589	0.072167	1.32354034	0.70406985	0.47868902	59	33	19
91120	NM_001077349,NM_033196	ZNF682	zinc finger protein 682	-1.110474876	-3.802598841	1.563511	1.408786	0.382888	2.55837852	2.43393638	1.19154816	192	231	62
83999	NM_001039570,NM_032045	KREMEN1	kringle containing transmembran	2.244229546	-3.803136355	0.532367	1.201013	0.286806	2.05603457	3.01642592	0.87055986	124	372	40
9304	NR_000008	SNORD22	small nucleolar RNA, C/D box 22	-1.182722599	-3.8033689	227.197723	192.304886	56.034992	4.85254141	4.61950066	3.05850609	1095	1237	354
375298	NM_001030311,NM_001030312	CERKL	ceramide kinase like	1.460608604	-3.810155226	0.174178	0.253927	0.036475	0.64188297	0.86372326	0.19530369	22	43	7
4143	NM_000429	MAT1A	methionine adenosyltransferase	-2.912128606	-3.810155226	0.164514	0.05747	0.035232	0.64188297	0.25173066	0.19530369	22	10	7
6404	NM_001206609,NM_003006	SELPLG	selectin P ligand	-1.223447592	-3.810155226	0.210287	0.183403	0.045618	0.64188297	0.54351856	0.19530369	22	24	7
4493	NM_175617	MT1E	metallothionein 1E	-5.870414817	-3.812103925	4.293153	0.701126	1.061483	1.65056839	0.44594451	0.64070093	84	19	27
57538	NM_020778	ALPK3	alpha kinase 3	1.391545905	-3.813432109	6.998876	9.750935	1.724338	6.23651379	6.70782324	4.35812668	2921	5431	942
729799	NR_026952	SEC14L1P1	SEC14 like 1 pseudogene 1	-1.647991746	-3.825695064	4.773588	2.90004	1.170417	3.6972646	3.04669644	2.04513029	470	381	151
3120	NM_001198858,NM_001300790	HLA-DQB2	major histocompatibility complex,	1.298232707	-3.829762838	0.391055	0.524618	0.097266	0.56944351	0.70406985	0.16897038	19	33	6
101927631	NR_110007,NR_110008,NR_11(	ADNP-AS1	ADNP antisense RNA 1	1.156291295	-3.837563125	1.09327	1.284841	0.258353	1.08456011	1.19932051	0.36729312	44	68	14
127841	NR_027022	LINC00628	long intergenic non-protein codin	-2.666828091	-3.851468543	1.76798	0.659556	0.427871	1.69664266	0.8787583	0.65979727	88	44	28
129293	NM_001080824,NM_001277053	TRABD2A	TraB domain containing 2A	-1.100242379	-3.864421854	1.429377	1.242037	0.245459	2.07360076	1.96964178	0.87055986	126	153	40
23603	NM_001105237,NM_001276471	CORO1C	coronin 1C	-1.432043057	-3.866723921	57.531099	40.234244	13.999271	7.77147488	7.25624213	5.83911505	8539	7967	2716
100287482	NM_001195243	SMKR1	small lysine rich protein 1	-3.325372243	-3.867994877	4.200169	1.262709	1.022215	2.39332696	1.18729361	1.06873498	167	67	53
116154	NM_001199505,NM_001199506	PHACTR3	phosphatase and actin regulator	-1.608932922	-3.874223832	11.414706	7.100898	2.763002	4.96975325	4.31134011	3.14210594	1191	989	378
101927811	NR_110119,NR_110120	LOC101927811	uncharacterized LOC101927811	-3.234011034	-3.8837496	3.2954	1.039845	0.834095	1.96484452	0.92294555	0.80366934	114	47	36
27143	NM_014431	PALD1	phosphatase domain containing,	1.578041725	-3.886403162	0.414016	0.656852	0.09854	1.51570785	1.97664665	0.56199967	73	154	23
26226	NR_033408	FBXW4P1	F-box and WD repeat domain co	-1.050564333	-3.888131206	1.074949	1.02322	0.256043	1.74129091	1.69172362	0.6785857	92	117	29
100506757	NR_038998	LINC00629	long intergenic non-protein codin	-1.91541117	-3.897409389	0.250929	0.125603	0.05675	0.41264541	0.2284445	0.1148164	13	9	4
51561	NM_016584	IL23A	interleukin 23 subunit alpha	-1.120051182	-3.908872499	7.009767	6.272437	1.68275	3.02359429	2.8811152	1.4969322	280	334	88
124995	NM_145255,NM_148887,NR_03	MRPL10	mitochondrial ribosomal protein L	-4.606398694	-3.911453029	38.052194	8.259401	9.189282	6.08398318	3.95487459	4.17673594	2624	761	825
54921	NM_001039690,NM_001040146	CHTF8	chromosome transmission fidelity	1.35787589	-3.912557242	20.440205	27.866111	4.936195	5.88320984	6.31812363	3.98439467	2278	4133	716
57002	NM_001282446,NM_020192	YAE1D1	Yae1 domain containing 1	-1.332688249	-3.916317549	22.766995	16.362585	5.179076	4.40068652	4.0088325	2.6172769	790	792	248
338657	NM_198480,NR_104049,NR_10	CCDC84	coiled-coil domain containing 84	-2.872791254	-3.921161108	45.063297	15.580272	10.841102	5.85428279	4.37766975	3.95387191	2232	1038	700
6935	NM_001128128,NM_001174093	ZEB1	zinc finger E-box binding homeot	-1.638801323	-3.922047396	1.048016	0.634699	0.254043	2.9541672	2.35549733	1.4430085	265	216	83
100505912	NR_037877	LOC100505912	uncharacterized LOC100505912	-1.285507478	-3.929212953	2.25891	1.758521	0.532215	1.56621863	1.33632702	0.58209675	77	80	24
374286	NM_001282540,NM_006382	CDRT1	CMT1A duplicated region transcr	-2.095083757	-3.939386964	4.8173	2.198448	1.079956	3.82202563	2.86232771	2.11576522	516	329	161
7439	NM_001139443,NM_001300786	BEST1	bestrophin 1	2.334399418	-3.939559925	0.664664	1.595425	0.152982	1.5285023	2.43393638	0.56199967	74	231	23
6023	NR_003051	RMRP	RNA component of mitochondrial	-1.112099584	-3.963569634	0.960703	0.871891	0.222272	0.3273552	0.29720487	0.08695753	10	12	3
105371849	NR_135648	LOC105371849	uncharacterized LOC105371849	-2.625753038	-3.963569634	0.371125	0.124643	0.063024	0.3273552	0.13134883	0.08695753	10	5	3
79315	NR_002185	OR7E91P	olfactory receptor family 7 subfan	1.178534295	-3.976345347	6.385221	7.544486	1.498549	3.1155	3.32712361	1.5489128	301	474	93
221756	NR_033851	SERPINB9P1	serpin family B member 9 pseud	-1.532732075	-3.982466013	0.473308	0.305329	0.106855	0.66524311	0.46599441	0.19530369	23	20	7
91683	NM_001177880,NM_001318773	SYT12	synaptotagmin 12	5.185441178	-3.983362069	3.681428	19.887052	0.86719	3.84522223	6.13653692	2.12264217	525	3638	162
100506660	NR_038927	DDX11-AS1	DDX11 antisense RNA 1	-1.62908594	-3.986224289	2.705395	1.661013	0.630419	2.67229041	2.10365798	1.23026757	211	173	65
10841	NM_001320412,NM_006657,NM	FTCD	formimidoyltransferase cyclodea	-1.455613906	-3.98778971	0.471512	0.315199	0.115453	0.93882015	0.70406985	0.29607837	36	33	11
100128881	NR_036480	VPS9D1-AS1	VPS9D1 antisense RNA 1	1.677701811	-4.006858854	13.512614	22.7055	3.161377	4.58957318	5.31171658	2.75642288	906	2031	278
101928728	NR_135804	LOC101928728	uncharacterized LOC101928728	1.483306939	-4.008408633	0.689872	1.025927	0.159516	1.32354034	1.69172362	0.45708734	59	117	18
100528022	NR_037658	BLOC1S1-RDH5	BLOC1S1-RDH5 readthrough	-1.050282337	-4.008569753	3.156579	3.015728	0.734851	2.24618091	2.1905752	0.96003448	147	187	45
9687	NM_014668,NM_033090,NM_14	GREB1	growth regulation by estrogen in	-1.16084593	-4.030146923	0.05962	0.073038	0.011783	0.52542456	0.16897038	0.16897038	20	23	6
124093	NM_001031737	CCDC78	coiled-coil domain containing 78	-1.550052369	-4.054649377	10.223967	6.600372	2.367736	4.09142887	3.50480544	2.30902414	630	543	191
100527964	NR_037642	LHX4-AS1	LHX4 antisense RNA 1	1.24232168	-4.057225137	8.763706	10.903848	2.025977	4.56649597	4.86764197	2.72060965	891	1479	270
677826	NR_002977	SNORA3B	small nucleolar RNA, H/ACA box	-1.797613048	-4.0666495	57.319115	32.012077	13.162856	3.05929974	2.34470901	1.4863075	288	214	87
63979	NM_001042762,NM_001287492	FIGNL1	fidgetin like 1	-1.484287667	-4.070576655	4.725328	3.345171	1.130314	5.66519587	5.10909111	3.72448562	1953	1758	590
1043	NM_001803	CD52	CD52 molecule	-2.292028919	-4.091622934	0.352373	0.15526	0.079161	0.23670415	0.10601836	0.0585501	7	4	2
692107	NR_003055	SNORD66	small nucleolar RNA, C/D box 66	-1.846367714	-4.091622934	2.106262	1.264044	0.489551	0.23670415	0.13134883	0.0585501	7	5	2
374407	NM_153614	DNAJB13	DnaJ heat shock protein family (H	-2.292028919	-4.091622934	0.097254	0.034449	0.015003	0.23670415	0.10601836	0.0585501	7	4	2
65975	NM_001289058,NM_001289059	STK33	serine/threonine kinase 33	-2.037304279	-4.093863035	14.036016	6.787595	2.522951	4.93533846	3.95664704	3.04046258	1162	762	349
100750246	NR_047116	HIF1A-AS1	HIF1A antisense RNA 1	-1.333318851	-4.096388338	0.642719	0.503941	0.136472	0.5190475	0.40498891	0.14214747	17	17	5
109616995	NR_145774	SNORD70B	small nucleolar RNA, C/D box 70	-1.798059653	-4.097640248	9.117593	5.10289	1.9289	0.7550755	0.46599441	0.22116494	27	20	8
55815	NM_001288990,NM_001288991	TSNAXIP1	translin associated factor X intera	1.60307889	-4.129355831	1.027389	1.550168	0.204642	1.73025772	2.23798388	0.64076093	91	195	27
100128361	NR_036505	LOC100128361	uncharacterized LOC100128361	-1.369279867	-4.133031156	0.842605	0.615873	0.192729	1.61502061	1.32539385	0.58209675	81	79	24
5919	NM_002889	RARRES2	retinoic acid receptor responder 2	1.276932979	-4.173073391	2.619665	3.36767	0.588214	1.54118428	1.78245981	0.54161868	75	128	22
81606	NM_030915	LBH	limb bud and heart development	4.927307481	-4.177205825	1.270603	6.281095	0.281093	2.21486103	4.24471769	0.90287695	143	942	42
56062	NM_019117,NM_057162	KLHL4	kelch like family member 4	1.355744314	-4.185545849	0.215588	0.288312	0.048902	1.15225689	1.41062362	0.36729312	48	67	14
100506123	NR_130704,NR_130704_dup1	LOC100506123	uncharacterized LOC100506123	-1.050594985	-4.194630563	17.445486	16.634062	3.895197	3.7000475	3.63447819	1.94780992	471	599	138
339416	NM_198493	ANKRD45	ankyrin repeat domain 45	-1.038897293	-4.194646762	0.13433	0.124858	0.029934	0.43999062	0.42561204	0.1148164	14	18	4
23475	NM_001318249,NM_001318250	QPRT	quinolinate phosphoribosyltransfe	-1.24471483	-4.194646762	0.149512	0.119897	0.033526	0.43999062	0.36283659	0.1148164	14	15	4
100126338	NR_030633	MIR937	microRNA 937	-2.314716033	-4.194646762	4.190439	1.724404	0.814243	0.43999062	0.20477631	0.1148164	14	8	4
90527	NM_001276264,NM_001276265	DUOXA1	dual oxidase maturation factor 1	-1.24471483	-4.194646762	0.117454	0.097058	0.020983	0.43999062	0.36283659	0.1148164	14	15	4
6791	NR_001587	AURKAPS1	aurora kinase A pseudogene 1	-1.116344581	-4.206385775	5.346279	4.806556	1.187293	3.17367098	3.03332122	1.53866543	315	377	92
387723	NM_034125	LINC00959	long intergenic non-protein codin	-1.409538075	-4.22863132	0.73838	0.524153	0.163576	1.55375576	1.24644988	0.54161868	76	72	22
2731	NM_000170	GLDC	glycine decarboxylase	1.423431639	-4.230531007	0.14403	0.200852	0.026238	0.61813834	0.81765451	0.16897038	21	40	6
5003	NM_001302862,NM_007105	SLC22A18AS	solute carrier family 22 member	-5.483499225	-4.230531007	0.229397	0.034105	0.05208	0.61813834	0.13134883	0.16897038	21	5	6
80034	NM_001172173,NM_024969	CSRNP3	cysteine and serine rich nuclear p	4.850108944	-4.248777143	0.060229	0.302029	0.013565	0.77668602	2.16012918	0.22116494	28	182	8
284649	NR_040063	SMG7-AS1	SMG7 antisense RNA 1	-1.288626097	-4.248777143	0.291582	0.225638	0.064113	0.77668602	0.63490936	0.22116494	28	29	8
3569	NM_000600,NM_001318095	IL6	interleukin 6	-1.569745676	-4.262182039	1.895287	1.223992	0.41162	1.6852613	1.26944952	0.60191771	87	74	25
338376	NM_176891	IFNE	interferon epsilon	1.067048434	-4.267130688	9.78223	10.456242	2.153578	3.91265481	4.00026496	2.10191219	552	787	159
101927642	NR_110783	LINC01444	long intergenic non-protein codin	1.008077738	-4.27254153	1.656997	1.687413	0.34082	1.16869613	1.1751656	0.36729312	49	66	14
894	NM_001759	CCND2	cyclin D2	-438.7744967	-4.276196644	10.723918	0.024044	2.355393	6.1108172	0.20477631	4.08112291	2674	8	769
642366	NR_046243	LOC642366	uncharacterized LOC642366	-1.822080654	-4.276536104	0.214978	0.119957	0.047718	1.27880673	0.83317479	0.41288872	56	41	16
100507297	NR_047573,NR_047574,NR_04	TMEM44-AS1	TMEM44 antisense RNA 1	1.155100233	-4.300311982	6.637632	7.90962	1.435328	3.33530968	3.5240591	1.63800401	357	551	102
767558	NM_001128619	LUZP6	leucine zipper protein 6	-1.209682643	-4.327751888	10.309099	8.529832	2.238127	5.32179342	5.05468796	3.32316088	1531	1691	435
219670	NM_001270383,NM_145010,NR	ENKUR	enkurin, TRPC channel interactin	-1.00207938	-4.33577367	0.136313	0.135235	0.026063	0.54446555	0.54351856	0.14214747	18	24	5
570	NM_001127610,NM_001701	BAAT	bile acid-CoA:amino acid N-acylt	-1.41125874	-4.33577367	0.132565	0.090796	0.022988	0.54446555	0.40498891	0.14214747	18	17	5
51393	NM_016113	TRPV2	transient receptor potential cation	1.121926784	-4.33577367	0.162811	0.18781	0.028473	0.54446555	0.59904473	0.14214747	18	27	5
55779	NM_001164496,NM_018338	CFAP44	cilia and flagella associated prote	1.862461112	-4.354980848	2.810782	5.751701	0.59405	4.79678491	5.669824	2.83807727	1052	2618	297
50832	NM_016944	TAS2R4	taste 2 receptor member 4	-2.885548146	-4.355532269	0.290969	0.09445	0.052115	0.35634914	0.13134883	0.08695753	11	5	3
80745	NM_001321468,NM_001321469	THUMPD2	THUMP domain containing 2	-1.214172912	-4.370250304	23.319268	20.012857	5.061843	5.77530104	5.5009424	3.73349845	2111	2323	594
152078	NM_001099777,NM_001130001	PQLC2L	PQ loop repeat containing 2 like	-1.353495032	-4.370494872	1.792601	1.472717	0.404977	1.54118428	1.26944952	0.52094563	75	74	21
7748	NM_001130519,NM_001130520	ZNF195	zinc finger protein 195	-1.83061465	-4.374380255	57.051362	31.043753	12.305574	7.50211179	6.6363608	5.39956493	7078	5166	1990
51332	NM_016642	SPTBN5	spectrin beta, non-erythrocytic 5	-1.260608594	-4.390613466	1.155976	0.917366	0.245927	3.82721276	3.51926972	2.0010274	518	549	145
84070	NM_032130,NR_027450	FAM186B	family with sequence similarity 18	1.700747694	-4.399914038	0.24938	0.434233	0.048312	0.79797761	1.1751656	0.22116494	29	66	8
255488	NM_182757	RNF144B	ring finger protein 144B	-2.224333475	-4.405405942	0.593987	0.267258	0.126539	1.97422731	1.21124797	0.73352601	115	69	32
121053	NM_152318	C12orf45	chromosome 12 open reading fra	-2.132440263	-4.424311319	42.20277	19.819563	8.937957	4.73188879	3.69943092	2.76083766	1004	629	279
50940	NM_001077196,NM_001077197	PDE11A	phosphodiesterase 11A	1.276989111	-4.428964378	0.160788	0.209053	0.032913	1.30878272	1.52971203	0.41288872	58	99	16
105378616	NR_146730,NR_146731	LINC01715	long intergenic non-protein codin	1.223623142	-4.430915092	0.861098	0.795338	0.10882	0.64188297	0.75394785	0.16897038	22	36	6
105370943	NR_135836	LOC105370943	uncharacterized LOC105370943	1.088202878	-4.430915092	0.928256	1.013571	0.186595	0.64188297	0.68708806	0.16897038	22	32	6
140606	NM_080430	SELENOM	selenoprotein M	-1.174787992	-4.430915092	0.772739	0.65791	0.166757	0.64188297	0.56226574	0.16897038	22	25	6
100505601	NR_108043	PARD3-AS1	PARD3 antisense RNA 1	-1.829753099	-4.430915092	1.640988	0.91284	0.331382	0.64188297	0.38406669	0.16897038	22	16	6
1590	NM_040090	CYP21A1P	cytochrome P450 family 21 subfa	2.941787718	-4.444747899	0.041695	0.128984	0.00388	0.13997292	0.38406669	0.02957205	4	16	1
102465469	NR_106840	MIR6782	microRNA 6782	1.483922171	-4.444747899	1.392715	1.997008	0.0631	0.13997292	0.20477631	0.02957205	4	8	1
102466199	NR_106883	MIR6825	microRNA 6825	1.483922171	-4.444747899	1.314736	2.187024	0.291858	0.13997292	0.20477631	0.02957205	4	8	1

100616256	NR_039872	MIR4721	microRNA 4721	-1.74594355	-4.444747899	0.906021	0.604321	0.156866	0.13997292	0.08023518	0.02957205	4	3	1
414761	NR_135289,NR_145490	HCG15	HLA complex group 15 (non-prot	1.585688907	-4.456801041	0.956454	1.527828	0.201259	0.88013425	1.22307764	0.24657076	33	70	9
1745	NM_001038493,NM_178120	DLX1	distal-less homeobox 1	-1.068719235	-4.469891051	0.503114	0.471949	0.100697	1.08456011	1.03456085	0.32020933	44	55	12
6273	NM_005978	S100A2	S100 calcium binding protein A2	1.109416191	-4.48600022	149.171265	165.685669	31.24741	7.13683221	7.28562428	5.00660315	5486	8132	1504
3626	NM_005538	INHBC	inhibin beta C subunit	-2.478798657	-4.491884134	0.111032	0.047505	0.024221	0.46682716	0.20477631	0.1148164	15	8	4
10324	NM_006063	KLHL41	kelch like family member 41	-1.00207692	-4.491884134	0.149695	0.158316	0.032448	0.46682716	0.46599441	0.1148164	15	20	4
677807	NR_002961	SNORA22	small nucleolar RNA, H/ACA box	-1.535786607	-4.491884134	2.800923	1.845889	0.477036	0.46682716	0.31941552	0.1148164	15	13	4
105372419	NR_134887	LOC105372419	uncharacterized LOC105372419	-1.990027621	-4.491884134	0.576784	0.300129	0.095709	0.46682716	0.25173066	0.1148164	15	10	4
100192420	NR_024417	LINC01634	long intergenic non-protein codin	-1.990027621	-4.491884134	0.154717	0.082313	0.033608	0.46682716	0.25173066	0.1148164	15	10	4
100306975	NR_036507	NDUFAF4P1	NADH:ubiquinone oxidoreductas	-1.33294858	-4.491884134	0.168565	0.117963	0.027628	0.46682716	0.36283659	0.1148164	15	15	4
767846	NR_003242	PFN1P2	profilin 1 pseudogene 2	-1.427196617	-4.491884134	0.198525	0.134865	0.04197	0.46682716	0.3412894	0.1148164	15	14	4
100652740	NR_102400	PYCARD-AS1	PYCARD antisense RNA 1	-1.444815804	-4.499398374	0.598794	0.422517	0.109525	0.73313634	0.54351856	0.19530369	26	24	7
58	NM_001100	ACTA1	actin, alpha 1, skeletal muscle	1.051778939	-4.526447642	1.290946	1.353493	0.256703	1.5285023	1.57657016	0.49997203	74	104	20
729220	NM_001242791	FLJ45513	uncharacterized LOC729220	1.247051796	-4.545053735	0.971593	1.205763	0.19003	1.57857476	1.79836126	0.52094563	78	130	21
26769	NR_003938	SNORD81	small nucleolar RNA, C/D box 81	-1.406128666	-4.54596767	224.857635	159.909332	46.432816	4.1588115	3.69943092	2.23479744	662	629	179
100506606	NR_103860	LOC100506606	uncharacterized LOC100506606	1.250713852	-4.550890852	0.731212	0.917709	0.142653	1.43646263	1.64851465	0.45708734	67	112	18
731220	NM_001145664	RFX8	RFX family member 8, lacking RI	-3.356751419	-4.568695988	5.394568	1.598862	1.107891	3.33530968	1.89025622	1.57922529	357	142	96
643382	NM_001146683	TMEM253	transmembrane protein 253	1.92496332	-4.575159001	0.325064	0.626131	0.064232	0.56944351	0.95166931	0.14214747	19	49	5
100129354	NR_024046	NRADDP	neurotrophin receptor associated	-2.042044491	-4.587523323	1.93274	0.934787	0.378553	1.54118428	0.95166931	0.49997203	75	49	20
112399	NM_001308103,NM_022073	EGLN3	egl-9 family hypoxia inducible fac	2.192073177	-4.615321926	1.373524	3.126689	0.278243	2.21486103	3.16793391	0.83750224	143	419	38
148046	NR_027271	CIRBP-AS1	CIRBP antisense RNA 1	2.531045315	-4.631299176	0.429985	1.122517	0.086497	0.66524311	1.31437719	0.16897038	23	78	6
10824	NR_125391	DIAPH2-AS1	DIAPH2 antisense RNA 1	-1.912521085	-4.631299176	0.610307	0.319817	0.122753	0.66524311	0.38406669	0.16897038	23	16	6
83706	NM_031471,NM_178443	FERMT3	fermitin family member 3	-1.294551681	-4.635423166	2.237481	1.728021	0.447476	2.71768687	2.40826098	1.13825079	219	226	58
653316	NR_038353	FAM153C	family with sequence similarity 15	8.137304158	-4.666926526	0.192603	1.589071	0.030399	0.26755841	1.42093184	0.0585501	8	88	2
388795	NM_001143967	EFCAB8	EF-hand calcium binding domain	1.76726817	-4.666926526	0.052511	0.092799	0.010092	0.26755841	0.44594451	0.0585501	8	19	2
6614	NM_023068	SIGLEC1	sialic acid binding Ig like lectin 1	-1.763306246	-4.666926526	0.031106	0.01727	0.005919	0.26755841	0.15624221	0.0585501	8	6	2
23201	NM_001286050,NM_001286051	FAM168A	family with sequence similarity 16	1.241302736	-4.669808459	8.556961	10.633171	1.720198	5.94595195	6.25326287	3.80578108	2381	3949	627
50839	NM_023921	TAS2R10	taste 2 receptor member 10	1.632959125	-4.671709161	0.755763	1.232925	0.136648	0.7550755	1.08728891	0.19530369	27	59	7
388633	NM_001010978,NM_001276392	LDLRAD1	low density lipoprotein receptor c	-3.961319907	-4.671709161	0.290201	0.073029	0.058805	0.7550755	0.2284445	0.19530369	27	9	7
51127	NM_001024940,NM_001134855	TRIM17	tripartite motif containing 17	-2.497121309	-4.683754609	1.095751	0.442281	0.22047	1.69864266	0.92294555	0.56199967	88	47	23
257415	NM_001040057,NM_001288584	FAM133B	family with sequence similarity 13	-5.784073848	-4.687234125	13.075869	2.200648	2.553821	4.95442736	2.62883416	2.88736461	1178	272	309
387751	NR_003945	GVINP1	GTPase, very large interferon inc	1.108576603	-4.707519935	0.160633	0.178745	0.029748	1.24819466	1.33632702	0.36729312	54	80	14
202020	NR_027696,NR_027697	TAPT1-AS1	TAPT1 antisense RNA 1 (head to	-1.00838669	-4.744384681	1.228265	1.220001	0.243125	2.02024721	2.01116974	0.71544405	120	159	31
100996664	NR_135816	LOC100996664	uncharacterized LOC100996664	-1.230805124	-4.747494905	0.138566	0.112581	0.017689	0.38477185	0.31941552	0.08695753	12	13	3
677849	NR_004396	SNORD1B	small nucleolar RNA, C/D box 1B	-1.002073241	-4.747494905	3.355245	3.515925	0.658144	0.38477185	0.38406669	0.08695753	12	16	3
79838	NM_001105248,NM_001105249	TMC5	transmembrane channel like 5	-2.264393281	-4.751019223	8.76161	3.720564	1.640972	5.34909629	4.21392593	3.22751932	1561	921	404
692058	NR_003031	SNORD11	small nucleolar RNA, C/D box 11	-1.333145184	-4.789121507	4.683991	3.705917	0.85287	0.49317359	0.38406669	0.1148164	16	16	4
101559451	NR_103482	LOC101559451	uncharacterized LOC101559451	-1.124220842	-4.789121507	0.886274	0.758911	0.169392	0.49317359	0.44594451	0.1148164	16	19	4
344787	NM_001137674	ZNF860	zinc finger protein 860	-1.031200945	-4.801121942	2.451584	2.381995	0.477537	3.1155	3.07634485	1.37552141	301	390	77
3081	NM_000187	HGD	homogentisate 1,2-dioxygenase	1.308385209	-4.83168326	0.31082	0.405211	0.059347	0.68823103	0.84852988	0.16897038	24	42	6
728689	NM_001099661,NM_001099661	EIF3CL	eukaryotic translation initiation fa	1.209665784	-4.838453829	98.316883	119.074164	19.011795	8.21580185	8.48957133	5.95971039	11633	18802	2957
80258	NM_025184	EFHC2	EF-hand domain containing 2	2.267189995	-4.844019948	0.217843	0.507628	0.036879	0.77668602	1.38978355	0.19530369	28	85	7
399948	NM_001302644,NM_001302645	COLCA1	colorectal cancer associated 1	1.042300596	-4.844019948	0.13088	0.13604	0.021489	0.77668602	0.80196545	0.19530369	28	39	7
347694	NR_028501	ECEL1P2	endothelin converting enzyme lik	-2.069913576	-4.844019948	0.559249	0.26646	0.10453	0.77668602	0.42561204	0.19530369	28	18	7
8029	NM_001081	CUBN	cubilin	2.427637627	-4.853247222	0.068709	0.169914	0.013302	0.86002952	1.5765716	0.22116494	32	104	8
83592	NM_001040177,NM_001271021	AKR1E2	aldo-keto reductase family 1 mem	-1.191148008	-4.854503044	1.690348	1.390629	0.311446	1.69739865	1.71704117	0.64076093	107	120	27
58504	NM_001256024,NM_001256025	ARHGAP22	Rho GTPase activating protein 2	-3.685746076	-4.864664034	3.790034	1.03713	0.672288	3.45742019	1.89025622	1.60891398	392	142	99
105371919	NR_146504	LINC01977	long intergenic non-protein codin	-1.227359235	-4.872069504	2.14389	1.744725	0.404773	2.24618091	2.01797632	0.82068496	147	160	37
164781	NM_001330004,NM_178821,NR	DAW1	dynein assembly factor with WD	1.082399506	-4.881511297	0.679137	0.736369	0.129791	1.27880673	1.34717796	0.36729312	56	81	14
653712	NM_034179	LOC653712	intraflagellar transport 122 homol	1.554413299	-4.8862492	1.510496	2.357296	0.2729	1.39514558	1.82188956	0.41288872	64	133	16
10936	NM_006794	GPR75	G protein-coupled receptor 75	1.191343829	-4.941882862	1.51405	1.805524	0.285718	2.0648444	2.2611178	0.71544405	125	199	31
50486	NM_015714	G0S2	G0/G1 switch 2	-1.079126789	-4.963129419	281.411438	261.050446	53.262169	8.04906006	7.93962546	5.75917693	10359	12826	2567
283130	NM_001077241,NM_001278250	SLC25A45	solute carrier family 25 member 4	1.230920321	-4.968843442	2.18824	3.497451	0.409506	2.92543304	3.18919702	1.21747621	259	426	64
102465452	NR_106813	MIR6755	microRNA 6755	-1.910386845	-4.972218823	20.847389	10.985847	3.904098	1.23264156	0.77006602	0.34394329	53	37	13
7190	NR_073383	HSP90B2P	heat shock protein 90 beta family	-1.556913458	-4.976542282	0.461666	0.296191	0.08687	1.16869613	0.84852988	0.32020933	49	42	12
101927750	NR_110273,NR_110274	ATP6V1B1-AS1	ATP6V1B1 antisense RNA 1	-4.585601437	-4.981642091	1.220205	0.257898	0.212159	1.10178443	0.31941552	0.29607837	45	13	11
79054	NM_024080	TRPM8	transient receptor potential catior	1.031102386	-4.981642091	0.205595	0.214214	0.036655	1.10178443	1.12560759	0.29607837	45	62	11
113157	NR_002775	RPLP0P2	ribosomal protein lateral stalk sut	1.535775193	-4.99519028	0.27097	0.419591	0.050281	0.95786335	1.29208824	0.24657076	37	76	9
574407	NR_073154,NR_073155	OBSCN-AS1	OBSCN antisense RNA 1	1.623552107	-5.002695188	1.222156	2.124508	0.215319	1.76310734	2.2895231	0.56199967	94	204	23
204010	NR_026825	RPSAP52	ribosomal protein SA pseudogen	1.427443256	-5.004461617	0.751256	1.065888	0.124891	0.88013425	1.1381576	0.22116494	33	63	8
100861555	NR_047495	LINC00565	long intergenic non-protein codin	1.032204537	-5.016330735	0.303858	0.316175	0.055825	0.79797761	0.8785451	0.19530369	29	40	7
100287314	NR_040245	LINC00941	long intergenic non-protein codin	-1.169513615	-5.060536842	9.206781	7.872038	1.705835	4.16906145	3.9566704	2.12264217	667	762	162
222487	NM_001308360,NM_170776	ADGRG3	adhesion G protein-coupled rece	-3.720840101	-5.08635888	0.162142	0.044049	0.029649	0.5190475	0.15624221	0.1148164	17	6	4
100134713	NR_024454	NDUFB2-AS1	NDUFB2 antisense RNA 1	-1.806510326	-5.109068639	0.651164	0.357789	0.117445	1.04948198	0.669904	0.27153692	42	31	10
25900	NM_001039670,NM_001193457	IFFO1	intermediate filament family orph	-1.33486235	-5.129787589	0.3471	0.26145	0.058882	0.97665845	0.7861039	0.24657076	38	38	9
90139	NM_130783	TSPAN18	tetraspanin 18	-17.52948482	-5.144535031	2.197165	0.123645	0.400061	3.3316643	0.59904473	1.46482043	356	27	85
3293	NM_000197	HSD17B3	hydroxysteroid 17-beta dehydrog	-1.116812096	-5.179202774	1.159509	1.038663	0.194097	1.2010231	1.11294744	0.32020933	51	61	12
1594	NM_000785	CYP27B1	cytochrome P450 family 27 subfa	-1.684541146	-5.192702279	3.910644	2.319658	0.704006	3.38891307	2.7276415	1.4969322	372	295	88
85301	NM_032888	COL27A1	collagen type XXVII alpha 1 chai	-3.613523496	-5.211067855	1.051114	0.290144	0.187619	3.16959281	1.68318474	1.34055586	314	116	74
4811	NM_002508	NID1	nidogen 1	-3.981526129	-5.217264948	2.849072	0.715152	0.5114	4.11494833	2.35011326	2.04513029	641	215	151
146177	NM_173615	VWA3A	von Willebrand factor A domain c	-7.789048076	-5.228674059	0.531897	0.066611	0.093321	1.76310734	0.38406669	0.54161868	94	16	22
644242	NR_036540	LINC00622	long intergenic non-protein codin	-1.703501573	-5.242230118	0.139747	0.077915	0.025142	0.29776659	0.18071335	0.0585501	9	7	2
695	NM_000061,NM_001287344,NM	BTK	Bruton tyrosine kinase	2.312852195	-5.242230118	0.080425	0.197512	0.014448	0.29776659	0.61708849	0.0585501	9	28	2
5148	NM_002602,NR_026872	PDE6G	phosphodiesterase 6G	-3.568996494	-5.306735406	0.876322	0.23552	0.156193	0.91952222	0.31941552	0.22116494	35	13	8
643783	NR_125363	USP46-AS1	USP46 antisense RNA 1	1.106821133	-5.312926218	1.404563	1.582886	0.232057	1.15225689	1.23481109	0.29607837	48	71	11
2498	NR_002201	FTH1P3	ferritin heavy chain 1 pseudogen	-1.124842501	-5.312926218	1.294999	1.160253	0.211374	1.15225689	1.06116576	0.29607837	48	57	11
51168	NM_016239	MYO15A	myosin XVA	-1.30795592	-5.312926218	0.104998	0.080642	0.016849	1.15225689	0.95166931	0.29607837	48	49	11
8091	NM_001300918,NM_001300919	HMGA2	high mobility group AT-hook 2	1.054774014	-5.33934578	34.003856	34.947503	5.587699	6.74367085	6.81990741	4.38411441	4168	5874	960
202134	NM_001265615	FAM153B	family with sequence similarity 15	5.109975912	-5.351709938	0.635659	3.286856	0.101158	1.08456011	2.75234181	0.27153692	44	301	10
54549	NM_001144952	SDK2	sidekick cell adhesion molecule 2	-4.853202777	-5.351709938	0.107286	0.02192	0.018476	1.08456011	0.29720487	0.27153692	44	12	10
2852	NM_001039966,NM_001098201	GPER1	G protein-coupled estrogen recep	-1.378854087	-5.360952309	0.303891	0.197668	0.040367	0.83964067	0.65251278	0.19530369	31	30	7
727851	NM_001164463	RGPD8	RANBP2-like and GRIP domain c	-497.7560072	-5.39762013	12.206365	0.021504	2.124476	6.45540274	0.2284445	4.09342686	3406	9	776
100506286	NR_135594	TBC1D8-AS1	TBC1 domain family member 8 a	1.276451075	-5.427949293	1.072884	1.371764	0.17889	1.84721644	2.11004283	0.56199967	102	174	23
100128494	NR_104178	LOC100128494	uncharacterized LOC100128494	1.198741899	-5.481106056	0.630818	0.759623	0.104455	1.8573935	2.05153568	0.56199967	103	165	23
100616323	NR_039702	MIR4482	microRNA 4482	-2.171056089	-5.525639936	1.591138	0.709762	0.016963	0.17294258	0.08023518	0.02957205	5	3	1
24	NM_000350	ABCA4	ATP binding cassette subfamily A	1.705315929	-5.531420177	0.049948	0.084266	0.005458	0.43999062	0.68708806	0.08695753	14	32	3
388948	NR_034099	LINC01118	long intergenic non-protein codin	1.227829369	-5.531420177	0.329521	0.429645	0.044236	0.43999062	0.52452456	0.08695753	14	23	3
128229	NM_001304817,NM_001304818	TSACC	TSSK6 activating cochaperone	-1.912521085	-5.532700328	0.878417	0.439238	0.11156	0.66524311	0.38406669	0.14214747	23	16	5
201305	NM_001320449,NM_182538	SPNS3	sphingolipid transporter 3 (putativ	-4.816603467	-5.573877041	1.939305	0.399121	0.324749	2.19894236	0.80196545	0.71544405	141	39	31
2246	NM_000800,NM_001144892,NM	FGF1	fibroblast growth factor 1	-2.290693121	-5.584523758	0.372865	0.154209	0.057756	1.26358189	0.68708806	0.32020933	55	32	12
51700	NM_001302826,NM_001302827	CYB5R2	cytochrome b5 reductase 2	-1.528106243	-5.60489748	1.910356	1.473533	0.386944	2.01115992	1.57657016	0.62147005	119	104	26
8997	NM_001024660,NM_001322988	KALRN	kalirin RhoGEF kinase	-1.334828427	-5.609009196	0.110081	0.120951	0.00914	0.95786335	0.77006602	0.22116494	37	37	8
85449	NM_001029864,NM_001348708	KIAA1755	KIAA1755	-2.121168742	-5.652876314	0.581064	0.275071	0.094631	2.21486103	1.44132992	0.71544405	143	90	31
80215	NR_026812	RUNX1-IT1	RUNX1 intronic transcript 1	-1.213925661	-5.654049449	3.315349	2.726558	0.542344	2.53954085	2.31185141	0.88680889	189	208	41
5196	NM_002619	PF4	platelet factor 4	-6.262884548	-5.77208566	0.71322	0.091596	0.116754	0.68823103	0.13134883	0.14214747	24	5	5
432	NM_001197216,NM_001671	ASGR1	asialoglycoprotein receptor 1	-1.988313434	-5.800818843	1.389345	0.652478	0.211923	1.55375576	0.97983233	0.41288872	76	51	16
9182	NM_005447	RASSF9	Ras association domain family m	1.146541781	-5.814775609	0.902829	1.033003	0.133993	1.36692851	1.49109792	0.34394329	62	95	13
677794	NR_002951	SNORA2B	small nucleolar RNA, H/ACA box	-1.658385536	-5.81753371	1.784798	1.062457	0.195014	0.3273552	0.20477631	0.0585501	10	8	2
692210	NR_003075	SNORD93	small nucleolar RNA, C/D box 93	1.047302025	-5.81753371	3.33229	3.669075	0.462518	0.3273552	0.3412894	0.0585501	10	14	2

203068	NM_001293212,NM_001293213	TUBB	tubulin beta class I	-7.308004509	-5.822039637	264.010817	38.54422	45.898002	9.41743903	6.56117323	6.8860234	26807	4901	5663
254228	NM_153711	FAM26E	family with sequence similarity 26	2.460340928	-5.836992536	0.127698	0.31538	0.020427	1.15225689	2.0043309	0.27153692	48	158	10
4703	NM_001164507,NM_001164508	NEB	nebulin	5.753976632	-5.923382813	0.014887	0.085909	0.00152	0.46682716	1.68318474	0.08695753	15	116	3
101928605	NR_126022	LOC101928605	uncharacterized LOC101928605	-1.112541313	-5.923382813	0.371245	0.338787	0.055843	0.46682716	0.42561204	0.08695753	15	18	3
29999	NM_020369	FSCN3	fascin actin-bundling protein 3	-1.662261819	-5.923382813	0.202466	0.123075	0.022348	0.46682716	0.29720487	0.08695753	15	12	3
3620	NM_002164	IDO1	indoleamine 2,3-dioxygenase 1	-2.207683847	-5.923382813	0.190343	0.087775	0.021738	0.46682716	0.2284445	0.08695753	15	9	3
128854	NR_002781	TSPY26P	testis specific protein, Y-linked 26	-1.112763486	-5.978070998	0.424243	0.383359	0.064991	0.59399636	0.54351856	0.1148164	20	24	4
169044	NM_152888	COL22A1	collagen type XXII alpha 1 chain	-45.82984424	-5.998674092	0.580588	0.010596	0.091156	2.20692365	0.10601836	0.6785857	142	4	29
441733	NR_073405	PRKXP1	protein kinase, X-linked, pseudog	1.808356097	-6.000438126	1.328251	2.405901	0.207152	3.99331833	4.8070381	1.80120704	586	1416	120
2878	NM_001329790,NM_002084	GPX3	glutathione peroxidase 3	-5.719609102	-6.004370284	4.579206	0.783831	0.697027	3.16550307	1.25799553	1.21747621	313	73	64
65987	NM_001282406,NM_023930	KCTD14	potassium channel tetramerizatic	-1.465484049	-6.007379898	5.642198	3.861288	0.864285	3.35339967	2.86610484	1.34055586	362	330	74
170691	NM_139057	ADAMTS17	ADAM metallopeptidase with thro	1.643799938	-6.011470992	0.101931	0.168252	0.012575	0.71085839	1.03456085	0.14214747	25	55	5
100996295	NR_102401	DNAH17-AS1	DNAH17 antisense RNA 1	-2.038288739	-6.012673688	0.56765	0.278743	0.087462	1.9554003	1.26944952	0.56199967	113	74	23
56603	NM_001277742,NM_019885	CYP26B1	cytochrome P450 family 26 subfa	-1.251490978	-6.033987767	0.172094	0.137351	0.02615	0.81895953	0.68708806	0.16897038	30	32	6
246754	NR_027025	MTVR2	mouse mammary tumor virus rec	-3.316645489	-6.050195456	1.098294	0.32075	0.162076	0.91952222	0.3412894	0.19530369	35	14	7
23109	NM_015086	DDN	dendrin	-1.295129608	-6.089310963	1.10728	0.854304	0.169148	2.33625658	2.04488597	0.73352601	159	164	32
130752	NM_001039845,NM_001282940	MDH1B	malate dehydrogenase 1B	1.698946851	-6.099450831	0.620272	1.070707	0.094815	1.47662927	2.01116974	0.36729312	70	159	14
100533195	NR_037915	FAM24B-CUZD1	FAM24B-CUZD1 readthrough	-1.820651614	-6.120258628	1.196488	0.654285	0.18157	2.02024721	1.42093184	0.58209675	120	88	24
55335	NM_018376,NR_130759,NR_13	NIPSNAP3B	nipsnap homolog 3B	-12.42477542	-6.211576173	1.067208	0.085325	0.463506	2.84588727	0.58077243	0.99569924	243	26	48
3172	NM_000457,NM_001030003,NM	HNF4A	hepatocyte nuclear factor 4 alpha	-6.753953642	-6.222506243	0.19401	0.024436	0.024918	0.93882015	0.18071335	0.19530369	36	7	7
400966	NM_001024457,NM_001024457	RGPD1	RANBP2-like and GRIP domain c	-1.620802958	-6.233605318	9.40792	5.809515	1.417299	5.96195729	5.27950686	3.43788301	2408	1985	475
5199	NM_001145252,NM_002621	CFP	complement factor properdin	1.687639474	-6.234371851	0.458867	0.794111	0.065929	0.83964067	1.22307764	0.16897038	31	70	6
100128770	NR_047572	LOC100128770	uncharacterized LOC100128770	-1.100055541	-6.36469367	0.35289	0.321393	0.052257	1.04948198	0.97983233	0.22116494	42	51	8
84189	NM_032229	SLITRK6	SLIT and NTRK like family memb	1.193438268	-6.36469367	0.261439	0.309936	0.038246	1.04948198	1.18729361	0.22116494	42	67	8
100009676	NR_024407	ZBTB11-AS1	ZBTB11 antisense RNA 1	1.264582735	-6.368268715	1.750821	2.223722	0.257971	2.52684435	2.81230346	0.80366934	187	316	36
1768	NM_001370	DNAH6	dynein axonemal heavy chain 6	2.502840743	-6.392837302	0.020665	0.056091	0.003124	0.35634914	0.77006602	0.0585501	11	37	2
3456	NM_002176	IFNB1	interferon beta 1	-1.12914463	-6.392837302	0.304555	0.294163	0.046538	0.35634914	0.31941552	0.0585501	11	13	2
102465501	NR_106892	MIR6834	microRNA 6834	-2.415817531	-6.392837302	3.445639	1.30941	0.438564	0.35634914	0.15624221	0.0585501	11	6	2
200350	NM_012184	FOXD4L1	forkhead box D4-like 1	1.607244501	-6.447433555	0.926879	1.504138	0.135383	1.5285023	2.01116974	0.36729312	74	159	14
834	NM_001223,NM_001257118,NM	CASP1	caspase 1	-3.478022289	-6.454620188	4.803505	1.470838	0.528877	3.04155747	1.6219512	1.08290869	284	109	54
5745	NM_000316,NM_001184744	PTH1R	parathyroid hormone 1 receptor	-1.440492791	-6.490241655	0.33169	0.22139	0.037572	0.7550755	0.56226574	0.14214747	27	25	5
100528021	NM_001199760	ST20-MTHFS	ST20-MTHFS readthrough	-1.063780403	-6.515830564	0.482801	0.462885	0.06816	1.06712766	1.02107213	0.22116494	43	54	8
57053	NM_001303034,NM_001303035	CHRNA10	cholinergic receptor nicotinic alph	-1.530827442	-6.520062655	5.043436	3.204732	0.706226	3.40634723	2.86232771	1.30472178	377	329	71
144983	NM_001011724,NM_001011725	HNRNPA1L2	heterogeneous nuclear ribonucle	-1.1874308	-6.536775913	19.87739	17.295841	3.021685	5.54756029	5.30547101	2.99995417	1797	2022	338
79930	NM_001144875,NM_001144876	DOK3	docking protein 3	-1.078649241	-6.545169756	10.784526	10.14972	1.500984	4.55559896	4.451177	2.14982678	884	1095	166
389058	NM_001003845	SP5	Sp5 transcription factor	-1.088225074	-6.572545744	0.295474	0.268935	0.040963	0.64188297	0.59904473	0.1148164	22	27	4
100506797	NR_144530	LOC100506797	uncharacterized LOC100506797	1.054347812	-6.572545744	0.930783	0.993284	0.131071	0.64188297	0.669904	0.1148164	22	31	4
100126328	NR_030636	MIR940	microRNA 940	1.61071536	-6.606531972	1.500892	2.609588	0.174745	0.20517559	0.31941552	0.02957205	6	13	1
170393	NM_173541	C10orf91	chromosome 10 open reading fra	-1.053966345	-6.657332394	2.499291	2.385989	0.347541	1.48977343	1.44132992	0.34394329	71	90	13
57571	NM_001166222,NM_020811	CARNS1	carnosine synthase 1	-3.3758918	-6.657332394	0.463434	0.136767	0.061206	1.48977343	0.61708849	0.34394329	71	28	13
93589	NM_172364	CACNA2D4	calcium voltage-gated channel au	-1.902820957	-6.708420598	0.374343	0.196685	0.049997	1.56621863	1.02107213	0.36729312	77	54	14
100874048	NR_104029,NR_104030	DGUOK-AS1	DGUOK antisense RNA 1	-1.632265749	-6.734233015	6.560859	3.982808	0.876876	2.21486103	1.69172362	0.62147005	143	117	26
386593	NR_027928	CHKB-CPT1B	CHKB-CPT1B readthrough (NMI	-3.526354081	-6.769970435	6.632281	1.879617	0.916844	4.83976575	3.14324318	2.34475282	1085	411	197
9976	NM_005127	CLEC2B	C-type lectin domain family 2 me	1.327986368	-6.786247839	1.424624	1.892093	0.188873	1.93632435	2.24959721	0.49997203	111	197	20
64093	NM_001034852,NM_022137	SMOC1	SPARC related modular calcium	-12.45498809	-6.796340175	5.079573	0.440381	0.693104	4.27155466	1.30327576	1.88448459	719	77	130
1809	NM_001197294,NM_001387	DPYSL3	dihydropyrimidinase like 3	-2.822968928	-6.835524104	0.161889	0.05716	0.021777	0.89996265	0.38406669	0.16897038	34	16	6
389118	NM_001007540	CDHR4	cadherin related family member 4	-1.194745119	-6.835524104	0.34794	0.293871	0.042358	0.89996265	0.7861039	0.16897038	34	38	6
5420	NM_001018111,NM_005397	PODXL	podocalyxin like	1.984552646	-6.866709004	28.710484	57.221207	3.929079	7.38344285	8.36797542	4.65350501	6516	17278	1167
283748	NM_178034	PLA2G4D	phospholipase A2 group IVD	1.39739799	-6.869783117	0.165065	0.232738	0.022308	0.66524311	0.86372326	0.1148164	23	43	4
11262	NM_001005176,NM_001278451	SP140	SP140 nuclear body protein	2.273803175	-6.938184656	0.589216	1.889255	0.239231	1.5285023	2.40307061	0.34394329	74	225	13
6364	NM_001130046,NM_004591	CCL20	C-C motif chemokine ligand 20	1.447915427	-6.948044259	3.34829	4.857195	0.427441	1.90722898	2.31737991	0.47868902	108	209	19
100129203	NR_110295	LOC100129203	uncharacterized LOC100129203	-2.633321293	-6.968140894	0.159775	0.059708	0.020194	0.38477185	0.15624221	0.0585501	12	6	2
165545	NM_133637	DQX1	DEAQ-box RNA dependent ATP	-1.432802374	-6.969012318	0.2857	0.199977	0.031743	0.79797761	0.59904473	0.14214747	29	27	5
10517	NM_001267585,NM_001267586	FBXW10	F-box and WD repeat domain co	1.173978646	-7.012311289	0.808118	1.000579	0.104684	1.91699278	2.09080288	0.47868902	109	171	19
7275	NM_003320,NM_177972	TUB	tubby bipartite transcription factor	-3.014536448	-7.059871114	0.42329	0.138606	0.056085	1.86749926	0.90836632	0.45708734	104	46	18
56000	NM_022052	NXF3	nuclear RNA export factor 3	5.875331023	-7.099270721	0.235512	1.46509	0.024692	0.54446555	1.89025622	0.08695753	18	142	3
114614	NR_001458	MIR155HG	MIR155 host gene	-1.19342291	-7.105729802	4.006356	3.35746	0.527519	2.75626978	2.541776	0.85412573	226	253	39
8436	NM_004657	CAVIN2	caveolae associated protein 2	1.122107202	-7.16702049	0.193032	0.215872	0.02454	0.68823103	0.75384785	0.1148164	24	36	4
100507034	NR_038284	PITRM1-AS1	PITRM1 antisense RNA 1	1.154324256	-7.172673309	0.602945	0.695201	0.076428	1.76310734	1.91234364	0.41288872	94	145	16
346653	NM_001012454,NM_001128926	FAM71F2	family with sequence similarity 71	-1.277462144	-7.210947969	2.07609	1.631726	0.266088	3.66286259	3.3407609	1.38699077	458	479	78
728492	NM_001178087,NM_001178087	SERF1B	small EDRK-rich factor 1B	-2.954908628	-7.264868724	19.518195	3.347841	1.267341	4.05872616	2.6562948	1.65707652	615	278	104
402682	NM_001015072	UFSP1	UFM1 specific peptidase 1 (inact	-1.42385042	-7.271515038	1.256884	0.883472	0.149024	1.15225689	0.89363626	0.22116494	48	45	8
57821	NM_001300968,NM_001300969	CCDC181	coiled-coil domain containing 181	-18.73304973	-7.307137942	0.971074	0.03791	0.108346	1.50279892	0.13134883	0.32020933	72	5	12
26212	NM_012367	OR2B6	olfactory receptor family 2 subfan	1.49543595	-7.436676357	1.014642	1.528911	0.127314	0.95786335	1.26944952	0.16897038	37	74	6
5251	NM_000444,NM_001282754	PHEX	phosphate regulating endopeptid	1.152552383	-7.436676357	0.153171	0.17947	0.019441	0.95786335	1.06116576	0.16897038	37	57	6
57823	NM_001282588,NM_001282589	SLAMF7	SLAM family member 7	-1.59199615	-7.436676357	0.326508	0.204571	0.038911	0.95786335	0.669904	0.16897038	37	31	6
1601	NM_001244871,NM_01343	DAB2	DAB2, clathrin adaptor protein	1.617663255	-7.49988918	0.451108	0.734073	0.05259	1.602974	2.10365798	0.34394329	80	173	13
1472	NM_001899	CST4	cystatin S	22.44918118	-7.543444486	0.43147	10.44408	0.031224	0.41264541	3.08609378	0.0585501	13	393	2
84281	NM_001042519,NM_001042520	C2orf88	chromosome 2 open reading fran	-2.806353778	-7.637060442	0.245734	0.086047	0.029232	0.97665845	0.42561204	0.16897038	38	18	6
729375	NR_024252	FAM86HP	family with sequence similarity 86	1.728543292	-7.648365311	8.538883	14.783767	1.042668	4.21727226	4.9738534	1.72191206	691	1596	111
7352	NM_003356,NM_022803	UCP3	uncoupling protein 3	1.25334658	-7.675345961	1.794567	2.268087	0.208475	2.36507395	2.63327382	0.62147005	163	273	26
100526767	NM_001198954	RNF103-CHMP3	RNF103-CHMP3 readthrough	5.069901887	-7.687424009	0.050456	0.275906	0.000117	0.23670415	0.93737891	0.02957205	7	48	1
100500918	NR_037424	MIR3651	microRNA 3651	-1.329394012	-7.687424009	1.917114	1.320642	0.014904	0.23670415	0.18071335	0.02957205	7	7	1
100313769	NR_031574	MIR320B2	microRNA 320b-2	1.173459454	-7.687424009	1.317636	1.46541	0.119029	0.23670415	0.27464693	0.02957205	7	11	1
10089	NM_005714,NM_033347,NM_03	KCNK7	potassium two pore domain chan	-1.50134553	-7.773303326	0.755499	0.524767	0.085183	1.10178443	0.81765451	0.19530369	45	40	7
116496	NM_052966	FAM129A	family with sequence similarity 12	-1.226811661	-7.793838572	1.643926	1.340684	0.197052	3.60363765	3.33532144	1.28032816	438	477	69
5330	NM_001284297,NM_001284298	PLCB2	phospholipase C beta 2	-1.258715581	-7.926553645	0.180421	0.145567	0.021369	0.88013425	0.73744528	0.14214747	33	35	5
100507489	NR_038987	LINC01277	long intergenic non-protein codin	1.106134446	-7.945814113	0.620172	0.693916	0.069943	1.11880553	1.19932051	0.19530369	46	68	7
1295	NM_001850,NM_020351	COL8A1	collagen type VIII alpha 1 chain	1.296983694	-8.011028815	0.901833	1.147992	0.097831	1.87753473	2.16012918	0.41288872	105	182	16
5028	NM_002563	P2RY1	purinergic receptor P2Y1	2.397816396	-8.027199512	0.203855	0.493315	0.023642	1.23264156	2.08433212	0.22116494	53	170	8
1475	NM_005213	CSTA	cystatin A	-4.809113456	-8.03782861	1.264105	0.237021	0.145018	1.01352966	0.27464693	0.16897038	40	11	6
100505483	NR_038926	PRKAG2-AS1	PRKAG2 antisense RNA 1	-2.755734403	-8.090928402	1.983438	0.70402	0.202157	1.33814853	0.63490936	0.24657076	60	29	9
100131378	NM_001166692	C11orf91	chromosome 11 open reading fra	-2.034613852	-8.100351494	2.669969	1.314254	0.291411	1.75224037	1.11294744	0.36729312	93	61	14
116372	NM_001077427,NM_001321234	LYPD1	LY6/PLAUR domain containing 1	3.774424355	-8.118748077	0.099988	0.379621	0.01086	0.43999062	1.23481109	0.0585501	14	71	2
728635	NM_001277864,NR_102687,NR	DHRS4L1	dehydrogenase/reductase 4 like	-2.211781796	-8.263405524	1.365184	0.558064	0.129847	1.44997615	0.83317479	0.27153692	68	41	10
101409258	NR_102429	OSGEPL1-AS1	OSGEPL1 antisense RNA 1	-1.288626097	-8.355969981	0.790089	0.603861	0.082477	0.77668602	0.63490936	0.1148164	28	29	4
64078	NM_001199633,NM_022127,NR	SLC28A3	solute carrier family 28 member 3	-6.11338148	-8.355969981	0.153533	0.024636	0.016734	0.77668602	0.15624221	0.1148164	28	6	4
254439	NM_001136485	C11orf86	chromosome 11 open reading fra	3.114152105	-8.3920995	2.413098	7.574511	0.269049	1.92669094	3.2825973	0.41288872	110	458	16
10677	NM_006576	AVIL	advillin	-1.408736109	-8.614998855	2.018692	1.43611	0.219589	2.78853894	2.37683491	0.75138414	232	220	33
3872	NM_000422	KRT17	keratin 17	-2.081881415	-8.629317641	1.052217	0.499368	0.103325	1.39514558	0.83317479	0.24657076	64	41	9
54457	NM_001168474,NM_024885	TAF7L	TATA-box binding protein associ	1.5555546	-8.634857261	0.550054	0.858143	0.050926	1.18495016	1.57657016	0.19530369	50	104	7
9900	NM_001278719,NM_001328674	SV2A	synaptic vesicle glycoprotein 2A	-1.002085556	-8.64470964	0.210668	0.206778	0.018114	0.93882015	0.93737891	0.14214747	36	48	5
100287837	NR_147696	LOC100287837	uncharacterized LOC100287837	-1.628049455	-8.667121264	0.396444	0.241552	0.028172	0.64188297	0.42561204	0.08695753	22	18	3
100500850	NR_037453	MIR3682	microRNA 3682	1.223623142	-8.667121264	6.620493	8.361417	0.513607	0.64188297	0.75384785	0.08695753	22	36	3
285359	NR_002941	PDCL3P4	phosducin-like 3 pseudogene 4	-1.137847223	-8.7145889	4.722484	4.164626	0.491437	2.46828542	2.31737991	0.60191771	178	209	25
642477	NR_122111,NR_122112,NR_12	LINC01296	long intergenic non-protein codin	-3.604785158	-8.726345896	2.108348	1.213273	0.469262	2.80440683	1.41062362	0.75138414	235	87	33
56099	NM_018927,NM_032101	PCDHGB7	protocadherin gamma subfamily	-38.49227055	-8.799472123	3.346013	0.14397	0.367559	4.04543465	0.48576948	1.46482043	609	21	85
345630	NR_024356	FBLL1	fibrillarin-like 1	-1.350903374	-8.928421879	2.16913	1.608918	0.226149	1.69664266	1.41062362	0.32020933	88	87	12
493861	NM_001008394	EID3	EP300 interacting inhibitor of diff	-1.86262742	-8.945453346	6.216013	3.328928	0.643825	3.30959645	2.53229878	0.99569924	350	251	48

50840	NM_023922	TAS2R14	taste 2 receptor member 14	-1.210192875	-8.967211578	4.206043	3.486632	0.430101	2.29940604	2.08433212	0.52094563	154	170	21
646626	NR_045484	LOC646626	uncharacterized LOC646626	2.093017141	-9.039749032	1.317573	2.781092	0.131936	1.10178443	1.76638114	0.16897038	45	126	6
727751	NR_102747,NR_102747_dup1,N	LOC727751	golgin A2 pseudogene	-1.201408701	-9.15134227	5.776235	4.738342	0.630341	4.19135823	3.9424061	1.52834475	678	754	91
387763	NM_001145033	C11orf96	chromosome 11 open reading fra	2.051164092	-9.269355261	0.31227	0.649305	0.030103	0.49317359	0.8787583	0.0585501	16	44	2
221091	NM_203422	LRRN4CL	LRRN4 C-terminal like	1.153276587	-9.398763786	0.858436	0.989447	0.078844	1.66222564	1.80624674	0.29607837	85	131	11
100134368	NR_024453	LOC100134368	uncharacterized LOC100134368	1.277338874	-9.451046536	0.397685	0.509958	0.025447	0.68823103	0.83317479	0.08695753	24	41	3
57653	NR_036527,NR_036528,NR_03(	LOC100499484-C9ORF174	LOC100499484-C9orf174 readth	1.234414619	-9.485498304	1.337445	1.774005	0.140855	3.30216484	3.57802367	0.95003448	348	574	45
5342	NM_002665,NM_002665_dup1	PLGLB2	plasminogen-like B2	1.551525943	-9.602250967	0.341347	0.53766	0.030938	1.01352966	1.36863803	0.14214747	40	83	5
100507086	NR_038289	DLG1-AS1	DLG1 antisense RNA 1	-1.298262413	-9.746707275	1.597509	1.225446	0.142317	1.86749926	1.60397149	0.34394329	104	107	13
84848	NR_024607	MIR503HG	MIR503 host gene	1.653508472	-9.842156845	1.091459	1.801738	0.078304	0.88013425	1.25799553	0.1148164	33	73	4
388182	NR_028139,NR_028140	SPATA41	spermatogenesis associated 41 (	1.584180389	-9.843009172	0.285928	0.326049	0.034316	0.71085839	1.00745609	0.08695753	25	53	3
102465252	NR_106761	MIR6506	microRNA 6506	-10.64588395	-9.849208082	3.228991	0.092529	0.14363	0.29776659	0.02724389	0.02957205	9	1	1
102465460	NR_106826	MIR6768	microRNA 6768	-1.494302911	-9.849208082	3.270159	2.048574	0.035733	0.29776659	0.20477631	0.02957205	9	8	1
53833	NM_144717	IL20RB	interleukin 20 receptor subunit be	-5.368437898	-10.10939726	38.784317	7.229547	3.604535	6.29055972	3.94419393	3.11132089	3034	755	369
101930452	NR_120479	LINC02367	long intergenic non-protein codin	-1.334714734	-10.13939422	0.199985	0.147945	0.01786	0.89996265	0.72085408	0.1148164	34	34	4
414235	NR_027151,NR_027152	PRR26	proline rich 26	-2.601105781	-10.32040696	0.459644	0.186397	0.028172	1.06712766	0.50527715	0.14214747	43	22	5
79827	NM_024769	CLMP	CXADR like membrane protein	-2.850467565	-10.37908267	0.678391	0.238608	0.054114	1.56621863	0.75384785	0.24657076	77	36	9
1282	NM_001303110,NM_001845	COL4A1	collagen type IV alpha 1 chain	-2.97104653	-10.41996245	0.070563	0.023959	0.006108	0.54446555	0.20477631	0.0585501	18	8	2
4208	NM_001131005,NM_001193347	MEF2C	myocyte enhancer factor 2C	-1.778641756	-10.44243762	0.209644	0.117729	0.017919	1.21691895	0.80196545	0.16897038	52	39	6
2122	NM_001105077,NM_001105078	MECOM	MDS1 and EVI1 complex locus	-1.222195455	-10.44336845	6.970974	5.913587	0.601257	5.26463133	4.9834484	2.19620105	1470	1607	173
105374104	NR_146653,NR_146654	LINC02021	long intergenic non-protein codin	1.875684578	-10.53027592	0.802482	1.974302	0.063608	1.35261029	1.96964178	0.19530369	61	153	7
23416	NM_001314030,NM_012284	KCNH3	potassium voltage-gated channel	-2.243593028	-10.62693444	0.182005	0.080869	0.01544	0.7550755	0.38406669	0.08695753	27	16	3
8740	NM_003807,NM_172014	TNFSF14	TNF superfamily member 14	-1.127007431	-10.84522866	1.353614	1.203583	0.117011	2.87121968	2.72348335	0.65979727	248	294	28
414224	NR_029396	AGAP12P	ArfGAP with GTPase domain, an	-1.56320476	-10.86682829	3.353729	2.152562	0.280448	3.00082115	2.45415268	0.71544405	275	235	31
254268	NM_152763,NR_049760	AKNAD1	AKNA domain containing 1	-2.976908687	-11.27794829	0.393557	0.131204	0.030815	1.13562816	0.48576948	0.14214747	47	21	5
2898	NM_001166247,NM_021956,NM	GRIK2	glutamate ionotropic receptor kai	1.270889103	-11.57056963	0.108182	0.140882	0.008462	0.59399636	0.72085408	0.0585501	20	34	2
10234	NM_001031692,NM_005824	LRRC17	leucine rich repeat containing 17	-2.044089079	-11.57056963	0.225817	0.111914	0.017524	0.59399636	0.31941552	0.0585501	20	13	2
101730217	NR_103546	SPECC1L-ADORA2A	SPECC1L-ADORA2A readthrou	-2.216344084	-12.04847371	2.44713	1.105836	0.18765	4.00022383	2.95745524	1.16514558	589	355	60
114769	NM_001017534,NM_052889	CARD16	caspase recruitment domain fam	-2.306913375	-12.27232	4.319328	1.906056	0.323907	2.02927762	1.22307764	0.32020933	121	70	12
163154	NM_001134316	PRR22	proline rich 22	1.000538532	-12.58858032	7.135587	7.149422	0.527325	3.41670749	3.4174117	0.82068496	380	508	37
6616	NM_001322902,NM_001322903	SNAP25	synaptosome associated protein	-4.382280448	-12.81453057	0.473981	0.103916	0.032364	1.06712766	0.31941552	0.1148164	43	13	4
84812	NM_032726	PLCD4	phospholipase C delta 4	-1.399904416	-12.81453057	0.344261	0.247401	0.020536	1.06712766	0.83317479	0.1148164	43	41	4
101928020	NR_110291	LOC101928020	uncharacterized LOC101928020	1.317202879	-12.93643155	1.62426	2.136214	0.11328	1.78459878	2.07783221	0.24657076	96	169	9
27239	NM_014449,NM_019858	GPR162	G protein-coupled receptor 162	-2.770693771	-13.29648041	0.228858	0.129967	0.015889	0.66524311	0.27464693	0.0585501	23	11	2
101927402	NR_136167	LOC101927402	uncharacterized LOC101927402	-2.277448609	-13.871784	0.3167	0.139415	0.020324	0.68823103	0.3412894	0.0585501	24	14	2
100505692	NR_103838	FTO-IT1	FTO intronic transcript 1	1.101559926	-14.15459817	1.082535	1.180737	0.04595	0.93882015	1.00745609	0.08695753	36	53	3
100142659	NM_001278507	CTAGE8	CTAGE family member 8	-10.09977041	-14.52572833	8.647431	0.854896	0.557702	4.76605286	1.84504029	1.4863075	1029	136	87
79160	NR_125359	LINC01711	long intergenic non-protein codin	3.593076591	-14.5465608	0.994839	3.604545	0.049732	0.95786335	2.13530335	0.08695753	37	178	3
440352	NR_002939	SNX29P2	sorting nexin 29 pseudogene 2	-2.779499722	-14.65050339	1.195368	0.424993	0.069298	1.51570785	0.73744528	0.16897038	73	35	6
730112	NM_001099951,NM_001164310	FAM166B	family with sequence similarity 16	-3.815183569	-15.02239118	0.654563	0.159265	0.030313	0.73313634	0.2284445	0.0585501	26	9	2
109729180	NR_146320	SNHG26	small nucleolar RNA host gene 2	-1.74677331	-16.10685969	20.236681	11.589586	1.173883	4.00480921	3.26553914	0.95003448	591	452	45
149773	NR_034147	APCDD1L-AS1	APCDD1L antisense RNA 1 (hea	2.593819869	-16.21653189	1.165601	3.045789	0.058005	1.76310734	2.85093665	0.19530369	94	326	7
115207	NM_138444	KCTD12	potassium channel tetramerizatic	-1.204221787	-16.38137905	0.229785	0.18919	0.012756	1.26358189	1.11294744	0.1148164	55	61	4
6819	NM_001056,NM_176825	SULT1C2	sulfotransferase family 1C memb	3.672399494	-16.73085083	1.526746	5.656515	0.084816	2.37926962	4.03926109	0.32020933	165	810	12
54097	NM_058186,NM_206964	FAM3B	family with sequence similarity 3	1.483088646	-16.8518687	4.161579	6.215068	0.218209	2.72881625	3.22493445	0.41288872	221	438	16
164284	NM_001304787,NM_153360,NR	APCDD1L	APC down-regulated 1 like	3.700640201	-16.89833662	0.310986	1.354714	0.011123	1.06712766	2.33928445	0.08695753	43	213	3
100527960	NR_037639,NR_037640,NR_03	MROH7-TTC4	MROH7-TTC4 readthrough (NM	1.047748113	-17.05511241	0.339354	0.358198	0.016564	1.66222564	1.70865125	0.16897038	85	119	6
100996928	NM_001244584	C7orf55-LUC7L2	C7orf55-LUC7L2 readthrough	-1.273236568	-17.49584403	7.326924	5.761171	0.392237	4.36546531	4.03591166	1.08290869	770	808	54
6854	NM_003178,NM_133625	SYN2	synapsin II	-2.535858526	-17.57032854	0.417621	0.167773	0.02027	1.32354034	0.669904	0.1148164	59	31	4
2850	NM_018971	GPR27	G protein-coupled receptor 27	4.955296711	-18.45657212	1.050713	5.226159	0.045137	1.89739865	3.859571	0.19530369	107	709	7
4013	NM_001130142,NM_014622,NM	VWA5A	von Willebrand factor A domain c	-2.628228699	-19.66474041	1.642977	0.36466	0.043761	2.10810423	1.1751656	0.22116494	130	66	8
100379251	NR_037806	NPPA-AS1	NPPA antisense RNA 1	1.199539383	-20.57156178	2.126097	2.565709	0.087803	2.15835987	2.36620557	0.22116494	136	218	8
84557	NM_032514,NM_181509	MAP1LC3A	microtubule associated protein 1	-3.579961838	-20.6084782	4.160349	1.179905	0.190339	2.29192162	1.06116576	0.24657076	153	57	9
8309	NM_003500	ACOX2	acyl-CoA oxidase 2	1.38654696	-22.3261265	0.840999	1.179218	0.034541	1.54118428	1.86782539	0.1148164	75	139	4
644634	NM_001348147,NR_145442	FAM231D	family with sequence similarity 23	-4.783769537	-22.35430264	5.596438	2.3946	0.463728	3.98869623	2.03820547	0.73352601	584	163	32
6048	NM_006913	RNF5	ring finger protein 5	1.199707449	-22.77777616	1.33059	1.600317	0.036265	1.30878272	1.47139626	0.08695753	58	93	3
9886	NM_001242359,NM_001350902	RHOBTB1	Rho related BTB domain contain	-1.77902118	-23.56170143	0.338723	0.192375	0.008746	1.33814853	0.89363826	0.08695753	60	45	3
387923	NM_001010897,NM_001346980	SERP2	stress associated endoplasmic re	-1.403163342	-23.65194506	1.06467	0.913667	0.039738	1.03161781	0.80196545	0.0585501	41	39	2
1462	NM_001126336,NM_001164097	VCAN	versican	-4.308209953	-24.14000181	0.624462	0.145244	0.02308	3.09843961	1.4614436	0.39027104	297	92	15
11213	NM_001142523,NM_007199	IRAK3	interleukin 1 receptor associated	1.854858441	-24.83207123	0.453229	0.839187	0.014387	2.22275497	2.96451939	0.19530369	144	357	7
414899	NM_001001786	BLID	BH3-like motif containing, cell de	-2.277448609	-26.06258863	0.725083	0.299932	0.006888	0.68823103	0.3412894	0.02957205	24	14	1
401428	NR_002158,NR_002158_dup1	OR2A20P	olfactory receptor family 2 subfan	-6.262884548	-26.06258863	0.659076	0.095512	0.016623	0.68823103	0.13134883	0.02957205	24	5	1
133396	NM_001242636,NM_001242637	IL31RA	interleukin 31 receptor A	-9.245673945	-30.22506624	0.689325	0.064032	0.014081	1.56621863	0.27464693	0.08695753	77	11	3
100529207	NR_037714	RAD51L3-RFFL	RAD51L3-RFFL readthrough	-1.874820551	-30.49419922	2.678208	1.426976	0.079022	3.4839374	2.68551066	0.41288872	400	285	16
50944	NM_016148	SHANK1	SH3 and multiple ankyrin repeat	-1.209227436	-33.75272996	0.241479	0.201709	0.006272	1.67378945	1.49109792	0.08695753	86	95	3
6542	NM_001008539,NM_001164771	SLC7A2	solute carrier family 7 member 2	-1.008902225	-35.45586679	0.511168	0.505888	0.010561	2.25390578	2.24380223	0.14214747	148	196	5
103611157	NR_125715	TGFB2-OT1	TGFB2 overlapping transcript 1	3.770358041	-35.46095549	9.415638	35.607265	0.242669	3.76370129	5.59839316	0.43515728	494	2489	17
22861	NM_001033053,NM_014922,NM	NLRP1	NLR family pyrin domain containi	-2.347018897	-37.28039368	0.438443	0.185052	0.007122	1.77389308	1.02107213	0.08695753	95	54	3
55714	NM_001080477	TENM3	teneurin transmembrane protein	-26.27077918	-38.32849077	0.383788	0.014394	0.007339	2.34351507	0.20477631	0.14214747	160	8	5
9353	NM_001289135,NM_001289136	SLIT2	slit guidance ligand 2	-2.053255937	-39.24020686	0.324381	0.156576	0.004964	1.82664439	1.16293478	0.08695753	100	65	3
54065	NM_058182	SMIM11A	small integral membrane protein	-1.068794344	-43.78757078	2.18063	2.067277	0.028067	1.55375576	1.49109792	0.0585501	76	95	2
6326	NM_001040142,NM_001040143	SCN2A	sodium voltage-gated channel alp	1.218055722	-59.26260683	1.161132	1.42805	0.018026	3.45742019	3.71835988	0.22116494	392	638	8
26	NM_001091,NM_001272072	AOC1	amine oxidase, copper containing	-1.67652307	-62.14153139	3.291434	1.974247	0.048027	3.15316384	2.5131555	0.16897038	310	247	6
619563	NR_002582	SNORA7A	small nucleolar RNA, H/ACA box	-72.60162389	-67.13648601	11.54221	0.003012	0.002419	1.36692851	0.02724389	0.02957205	62	1	1
5063	NM_001128166,NM_001128167	PAK3	p21 (RAC1) activated kinase 3	1.652767951	-89.79901013	1.207826	1.98814	0.011549	3.31973375	3.77771682	0.1148164	302	667	4
26134	NR_104269	RALGAPA1P1	Ral GTPase activating protein ca	-43.60354837	-134.1102347	0.811892	0.018039	0.004266	2.79384765	0.18071335	0.0585501	233	7	2
729540	NM_001037866,NM_001037866	RGPD6	RANBP2-like and GRIP domain c	-2499.624297	-169.2280609	13.725593	0.005062	0.07554	6.68809182	0.05398282	0.6785857	4009	2	29
10418	NM_006108	SPON1	spondin 1	-195.1484257	-179.8619341	3.08079	0.015263	0.015564	4.03650512	0.10601836	0.1148164	605	4	4

Supplementary Table 2. Proteomic analysis of the lysates of derivative cells (Panc0203, SP0926, SP1030)

Group ID	Protein name	GI accession	MW (Da)	Protein score	Unique peptides	Peptide sequence	Expect
110	Heat shock protein 90 kD	386786	83554	542	11	R.ADHGEPIGR.G	0.021
						R.YESLTDPSK.L	0.0019
						K.LGIHEDSTNR.R	0.0071
						K.YIDQEELNK.T	0.00044
						K.SIYYITGESK.E	0.0016
						K.ADLINNLGTIAK.S	9.6e-005
						R.DNSTMGYMMAK.K	1.7e-005
						K.EQVANSAFVER.V	0.011
						R.DNSTMGYMMAK.K + Oxidation (M)	0.00074
						R.TLTLVDTGIGMTK.A + Oxidation (M)	3.8e-008
						K.EGLELPEDEEEK.K	0.018
						K.SGKDLTKR.S	0.0012
550	Set	338039	32115	291	5	R.VEVTEFEDIK.S	1.40E-05
						R.LNEQASEEILK.V	0.0006
						K.EFHLNESGDPSSK.S	0.00068
						K.ELNSNHDGADETSEK.E	0.00016
727	Calphobindin	226434	35971	245	6	R.ADAETLR.K	0.041
						R.QEISAAFK.T	0.039
						R.ADAETLRK.A	0.0033
						K.GDTSGDYKK.A	0.015
						K.VLTEIIASR.T	0.00067
						K.HALKGAGTNEK.V	0.047
676	Lasp-1 protein	1584035	30185	165	4	R.DSQDGSSYR.R	0.00069
						K.TQDQISNIK.Y	0.016
						K.QQSELQSQVR.Y	0.018
						R.MGPSGGEGMEPER.R	0.0022
676	Glyceraldehyde-3-phosphate dehydrogenase	31645	36202	130	3	K.VGVNGFGR.I	0.036
						K.AGAHLQGGAK.R	0.0016
						K.VVKQASEGPLK.G	0.0058
113	TNF receptor-associated protein 1	17511976	80345	98	1	R.GVVDSEDIPLNLSR.E	4.20E-08
538	Phosphoglycerate kinase 1	387020	44985	91	2	K.YAEAVTR.A	0.0063
						K.NNQITNNQR.I	0.0022
519	AHNAK nucleoprotein, partial	178281	180065	44	1	K.VGGSGVNVNAK.G	0.0089
676	Annexin A2	113950	38808	43	1	R.TNQELQEINR.V	0.011
1210	Spleen mitotic checkpoint BUB3	2921873	37587	40	1	R.QVTDAETKPK.S	0.028
110	alanyl (membrane) aminopeptidase (CD13)	37590640	109870	38	1	K.DNEETGFGSGTR.A	0.006
676	LMNA protein	21619981	53222	38	1	R.SGAQASSTPLSPTR.I	0.031
550	Pre-mRNA splicing factor	307438	56873	38	1	R.LIVENLSSR.C	0.033
110	X-prolyl aminopeptidase	12804541	57658	37	1	K.AILFVPR.R	0.027
550	SH3-containing protein SH3GLB2	8896094	44175	37	1	K.KAKAAEAK.A	0.042
550	Transformer-2 alpha	1256837	32726	36	1	R.ANGMELDGR.R	0.021

Supplementary Table 2. Commonly upregulated 10 spots (fc ≥ 2) from both SP0926 and SP1030 compared to Panc0203 were analyzed by using μLC-MS/MS. Among the paired groups, 2 spots have no significant hits to report. Sixteen proteins were identified in the remaining 8 spots in which about 40% were identified as containing multiple proteins. Protein score is -10*Log(P), where P is the probability that the observed match is a random event. Individual protein scores > 34 indicate identity or extensive homology (p<0.05). Database: nr_Human_20180410_curated (1249071 sequences; 414470512 residues).

Supplementary Table 3. Proteomic analysis of TME-derived exosomes compared to normal TME exosomes (commonly found spots)

Group ID	Protein name	GI accession	MW (Da)	Protein score	Unique peptides	Peptide sequence	Expect
256	Fibulin-1D*	1621019	81329	99	3	R.GYHLNEEGTR.C	0.019
						R.YMDGMTVGVVR.Q	4.80E-05
						R.YMDGMTVGVVR.Q + Oxidation (M)	0.0004
612	Proteasome subunit Y	558528	25527	90	2	R.DGSSGGVIR.L	0.014
						R.TTTGSYIANR.V	0.0026
259	Antithrombin	28907	53025	86	2	K.LPGIVAEGR.D	0.0051
						K.TSDQIHFFFAK.L	0.0077
607	Triosephosphate isomerase*	37247	26938	50	1	K.SNVSDAVAQSTR.I	0.0016
171	Stratifin (14-3-3 protein sigma)*	23270783	27871	49	1	K.SNEEGSEEKGPEVR.E	0.00094
784	protein TALPID3 isoform X2	1370465841	177822	40	1	K.TNSVETLPSQR.F	0.023
171	Band-6-protein	535015	81637	39	1	R.TGNAEIQK.Q	0.026
432	Interstitial retinol-binding protein 3	186541	135734	38	1	K.LAQGAYR.T	0.011
270	Family 3 adenylate cyclase	1369241066	61290	38	1	R.IGAGEDVR.L	0.016
170	Lactoferrin (Lactotransferrin)*	187122	80242	38	1	R.YYGYTGAFR.C	0.023
653	Complement component C4A*	179674	194337	38	1	R.QGSFQGGFR.S	0.026
270	p21-activated kinase 4	73536296	33060	37	1	R.KMLVGTPYWMAPELISR.L + Oxidation (M)	0.046
432	Abhydrolase domain containing 14B*	13938225	22446	36	1	R.LAQAGYR.A	0.018
653	p23	438652	18971	36	1	R.KGESGQSWPR.L	0.039
198	Plasminogen*	819324110	93306	36	1	R.GTSSTTITGR.K	0.04

Supplementary Table 3. Commonly upregulated 17 paired spots (fc ≥ 2) from s-TME exosomes compared to n-TME were analyzed by using μLC-MS/MS. Among the paired groups, 3 spots have no significant hits to report and 3 spots were keratin family. Fifteen proteins were identified in the remaining 11 spots. Ions score is -10*Log(P), where P is the probability that the observed match is a random event. Individual ions scores > 34 indicate identity or extensive homology (p<0.05). Database: nr_Human_20180410_curated (1249071 sequences; 414470512 residues). Asterisk; reported exosomal protein (Contents of the Exosome Gene Product Set presented by EMBL-EBI: EMBL's European Bioinformatics Institute, https://www.ebi.ac.uk/QuickGO/GProteinSet?id=Exosome)

Supplementary Table 4. Proteomic analysis of TME-derived exosomes compared to normal TME exosomes (Unpaired spots)

Group ID	Protein name	GI accession	MW (Da)	Protein score	Unique peptides	Peptide sequence	Expect
609	Proteasome subunit alpha type-3*	130859	28643	417	10	K.LYEEGSNK.R	0.01
						K.DGVVFGVEK.L	0.017
						R.QAAKTEIEK.L	0.0035
						K.LYEEGSNKR.L	0.0073
						R.VFQVEYAMK.A	0.00015
						K.TEIEKLQMK.E	0.0054
						R.VFQVEYAMK.A + Oxidation (M)	0.00031
						K.TEIEKLQMK.E + Oxidation (M)	0.0033
						R.SNFGYNIPLK.H	0.036
609	T-complex protein 1 subunit epsilon*	1351211	60089	123	2	K.AVENSSTAIGIR.C	0.014
						K.AVANTMR.T	0.0069
						R.IADGYEQAAR.V	1.90E-06
227	Complement C8-beta propeptide	29575	63605	59	1	R.SDLEVAHYK.L	0.00027
232	Mac-2 binding protein (LGALS3BP)*	307153	66202	54	1	R.LADGGATNQGR.V	0.00055
666	Lipoprotein Gln I	229479	28329	42	1	K.DSGRDYVSQFQGSALGK.Q	0.012
451	Gelsolin*	225304	86043	40	1	R.EGGQTAPASTR.L	0.015

Supplementary Table 4. Detected 5 unpaired spots (fc ≥ 2) only for s-TME exosomes except for n-TME exosomes were analyzed by using μLC-MS/MS. Six proteins were identified in the unpaired spots. Ions score is -10*Log(P), where P is the probability that the observed match is a random event. Individual ions scores > 34 indicate identity or extensive homology (p<0.05). Database: nr_Human_20180410_curated (1249071 sequences; 414470512 residues). Asterisk; reported exosomal protein (Contents of the Exosome Gene Product Set presented by EMBL-EBI: EMBL's European Bioinformatics Institute, https://www.ebi.ac.uk/QuickGO/GProteinSet?id=Exosome)

Supplementary Video 1. Spontaneous TNTs formation from a derivative cell line. Bright-field light microscopy images of SP0926. The time-lapse frames were captured every minute for about 5 h under normoxia within normal culture medium. The video runs at 30 frames/s. x400 magnification.

Supplementary Video 2. Densely embedded spots of green fluorescent dye acquired from MØ-U937^{CMFDA} in CMTMR-positive pancreatic cancer cells. In the in vitro TME model system, Panc0203 (labeled in red with the fluorescent dye CMTMR) were co-incubated with macrophages differentiated from U937 cells (MØ-U937; labeled in green with the fluorescent dye CMFDA) followed by FACS, seeding on culture dish(s) and confocal microscopy experiments in order.