Supplemental Data

Methyl-H3K9 Binding Protein MPP8 Mediates E-cadherin Gene Silencing and Promotes Tumor Cell Motility and Invasion

Kenji Kokura[1], Lidong Sun[1], Mark T. Bedford[2], Jia Fang[1*]

Supplemental Experimental Procedures

Generation of Chromodomain Protein Microarray and Peptide Hybridization

The cDNAs encoding the various chromodomains listed in Fig.1 were cloned into expression vector pGEX-KG by PCR using a cDNA library (ORIGENE, INC) and verified by DNA sequencing. GST fusion proteins were purified and arrayed in duplicate using a FLEXYS® robot (Genomic Solutions) as previously described (Espejo et al, 2002; Kim et al, 2006). Peptides were synthesized by the W. M. Keck Biotechnology Resource Center (New Haven, CT). Methylated forms of the following peptides were synthesized:

histone H3 (1-18) - acetyl-ARTKQTARKSTGGKAPRK-biotin and

histone H3 (18-36) - acetyl-KQLATKAARKSAPATGGVK-biotin.

Biotinylated peptides (10 µg) were prebound to 5 µl of Cy3-Streptavidin (Fluorolink™, GE Healthcare) in 500 µl PBST. The fluorescent-labeled peptide was then incubated with 20 µl of biotin agarose beads (Sigma) to remove the free Streptavidin label. Arrayed slides were blocked in PBST with 3% powdered milk, followed by the addition of 400 µl fluorophore-tagged peptide. Blocking and hybridization were performed in an Atlas Glass Hybridization Chamber (Clontech). After one hour of incubation at room temperature, the unbound peptide was washed away with PBST, three times for 10 minutes each. A GenePix 4200A laser scanner (Axon, Inc.) was used for array analysis.

MPP8 Cloning and In vitro Binding Assays

Human *MPP8* was cloned from several overlapping EST clones and verified by sequencing. The *MPP8* (W80A) mutant was generated by overlapping PCR and confirmed by DNA sequencing. For antibody generation, cDNA encoding *MPP8* N-terminal (a-188 aa) was

subcloned into pGEX-KG vector. Recombinant MPP8 protein was purified using Glutathione-Agarose followed with Thrombin (Sigma) digestion and used as antigen to generated antibodies in rabbit. In vitro transcription/translation and peptide pull-down assays were performed essentially as described previously (Cao et al, 2002). Briefly, full-length *MPP8* wild-type, W80A mutant and *HP1α* cDNA were subcloned into pCITE-4a vector (Novagen) and was transcribed and translated using the T7 coupled TNT Reticulocyte Lysate System (Promega) following manufacturer's instruction. For peptide pull-down assays, 1 μg of biotinylated histone H3 peptides (aa 1-20 or aa 18-37) that were either un-, mono-, di- or tri-methylated on K9 or K27 were immobilized on 6 μl of streptavidin sepharose (GE healthcare) in BC150 (40 mM HEPES-KOH, 0.2 mM EDTA, 1 mM DTT, 150 mM KCl, pH 7.9) containing 0.05 % NP40. After washing, the beads were mixed with 5 μl in vitro translated MPP8 proteins in 300 μl BC150 and incubated at 4 °C for 2 hours. After washing with BC500 (for MPP8) or BC150 (for HP1α) containing 0.05 % NP40 three times, bound proteins were eluted in SDS loading buffer, resolved by SDS-PAGE and subjected to autoradiography.

Immunostaining and microscopy

For staining, about 1 x 10^5 wild-type and *Suv39h1/2* null MEF cells were seeded onto gelatin-coated coverslips in each well of a 12-well and transfected with vectors expressing Flag-tagged MPP8 wild-type or W80A mutant using Effectene (Qiagen). 24 hrs after transfection, cells were washed twice with PBS and then fixed in 4% paraformaldehyde (in PBS) for 10 min at room temperature. After washing with PBS, cells were incubated with 0.5% Triton X-100 (in PBS) for 5 min at 4°C and then blocked with 1% bovine serum albumin (in PBS) for 30 min. Staining was carried out using mouse anti-Flag M2 (Sigma) and chicken anti-H3K9me3 antibodies for 1 hour at room temperature. After three washes with PBS, the cells were first incubated with rhodamine conjugated donkey anti-mouse IgG and FITC-conjugated donkey anti-rabbit IgG (Jackson ImmunoResearch Laboratories) for 30 min and then stained with 4',6'-diamidino-2-phenylindole (DAPI) (Sigma) for 10 s. After three washes with PBS, cells were mounted and visualized by a Zeiss immunofluorescence microscope. For E-cadherin antibody (BD Bioscience) staining, cells on gelatin-coated coverslips were fixed with cold methanol for 10 min at -20 °C and washed three times with TBS (25 mM Tris-Cl, pH=7.4; 1 mM CaCl$_2$; 0.137 M NaCl; 0.027 M KCl) before blocking with 1% BSA in TBS at room temperature for 30 min.

For Differential interference contrast (DIC) microscopy, cells were grown on glass bottom culture dishes (MatTek Corp., MA, USA). And DIC pictures of live cells are taken from a Zeiss automatic fluorescent Inverted microscope.

Immunoprecipitation and Luciferase Assays

For IP, 293T cells were transfected with various expression vectors in 10-cm dishes for 36 hrs and lysated with IPH buffer containing 5 mM EDTA. Immunoprecipitations were performed with 1 µg of mouse IgG (Jackson), anti-Myc (9E10, SantaCruz), anti-HA antibody (12CA5) together with 10 µl of protein-G agarose (Invitrogen) or 10 µl of anti-FLAG M2 beads (Sigma). After washing with IPH buffer containing 300 mM or 600 mM KCl (high-salt) three times, IPed proteins were analyzed by western blot using indicated antibodies. For endogenous IPs, 293T cell lysates were incubated with 1 µg of each IgG, anti-GLP (Bethyl Laboratories), anti-ESET, and anti-MPP8 antibodies.

For luciferase assays, wild-type or *MPP8* stable knockdown 293T cells were transfected with E-cad-Luc reporter (Shi et al, 2003) and internal control vector pSV40-β-galactosidase with or without vector expressing HA-tagged MPP8 wt or W80A mutant. Cell extracts were prepared for 36 hrs after transfection and activities for luciferase and β-galactosidase were measured using Luciferase assay system (Promega) and ONPG (Sigma), respectively. All experiments were performed in triplicates.

ChIP Assay, RT-PCR and DNA Methylation Assays

Chromatin IP assays were carried out as previously described (Cao & Zhang, 2004) with modifications. Briefly, control, *MPP8* stable knockdown and rescue MDA-MB-231 cells were cross-linked with formaldehyde (for histones) or DSS (10 mM) and formaldehyde (for enzymes). Chromatin was digested with MNase (Worthington) followed by sonication using Bioruptor. ChIP assays were then performed with IgG, anti-MPP8, anti-GLP (Bethyl Laboratories) and anti-DNMT3A (Imgenex) antibodies. ChIP grade antibodies against histone H3, mono-, di-, and tri-methylated H3K9 were purchased from Abcam (ab1791, ab9045, ab1220 and ab8898). Anti-acetyl-Histone H3 antibody was purchased from Millipore (06-599). ChIPed DNA was detected by real-time qPCR using primer pairs for *E-cadherin* gene:

Promoter: TAGAGGGTCACCGCGTCTAT and CTGCGGCTCCAAGGGCCCA

-1kb region: AAACTGAGGCTTTGGGAGGT and ACTATGTTGCCGAGGCTGAT

Exon 2 region: GAGGGGCGGCGCTGTTGGTTTCGGTGAG and

ACCGGCAGCGCGCCCTCACCTCTGC.

Primer pair TAGAGGGTCACCGCGTCTAT and GCTCTCCAGCGGTTCCATCTTCCA was

used for ChIP assays in the promoter region of the exogenous E-cad-Luc reporter.

Primer pair AAAGAAAGGGAGCGGGATGGG and CTTGTGTGAAGCGAAGGGGTTG was

used for *Fibronectin* promoter region.

Primer pair GCTCACCACTCCTTCACCGTAA and GGAGGCTGGTGAGGACAGAGAT was

used for *APCS* promoter region.

For RT-PCR, total RNA was prepared using RNeasy mini kit (Qiagen) and cDNA was

synthesized using ImPromII Reverse Transcription System (Promega). PCR reactions were

carried out with primers for *GAPDH* (Ting et al, 2005) and primers for *E-cadherin*:

GAGAGGAATCCAAAGCCTCAGGTC and CTGGTTATCCATGAGCTTGAGATTG and

primers for *APCS*: TCTGTCCTCACCAGCCTCCT and TCATTATCCCTGCCTTGGGTAT

qPCR primers for MethylScreen DNA methylation analyses are:

Island1: TAGAGGGTCACCGCGTCTAT and CTGCGGCTCCAAGGGCCCA

Island2: CACCCGGCGCCTGCCCTCGCTCGG and GCGAGGCTTCCAGGCCGCTCCGCTC

Island3: GAGCGGAGCGGCCTGGAAGCCTCGC and ACCCCCTACACCCCGCTTCACGCC

Islnad4: GATAAGAAAGTGAGGTCGGAGGAGGTG and CCCACCCCGAAACCTACGGC

Island5: GGAACGGTGGGCTAGGTCTTGAG and CCTCCTGCTCACCGAAACCAACA

Island6: GAGGGGCGGCGCTGTTGGTTTCGGTGAG and

ACCGGCAGCGCGCCCTCACCTCTGC.

Kokura, et al., Fig. S1

A

B
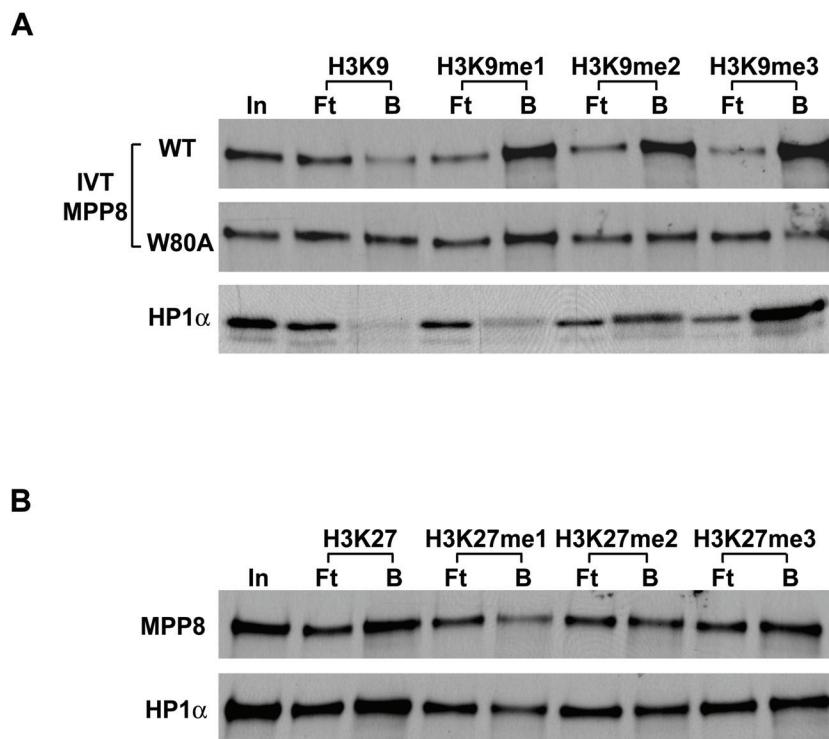
Figure S1. MPP8 recognizes chemically installed methyl-H3K9 analogues. ^{35}S-labeled in vitro translated MPP8-wt or W80A mutant was incubated with immobilized histone H3 containing chemically installed methyl-lysine analogues at H3K9 **(A)** and H3K27 **(B)**. Different methylation states from alkylation reactions were indicated. "In" represents 10% of total input, "B" and "Ft" represent bound and flow-through, respectively. HP1α serves as positive controls in the parallel experiment.

Kokura, et al., Fig. S2
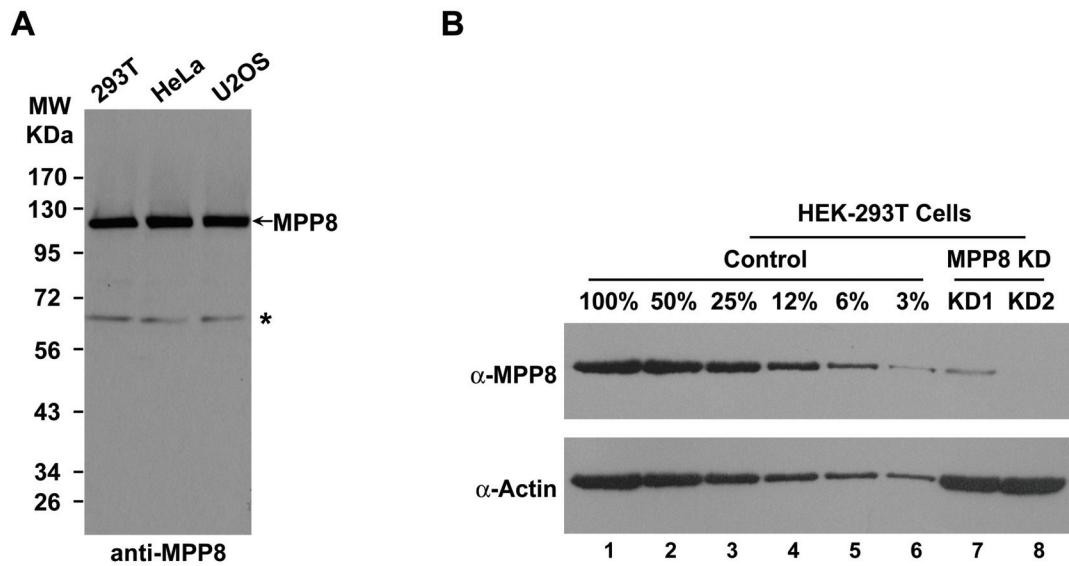
Figure S2. MPP8 antibody is highly specific. **(A)** 150 μg whole cell extracts from different cell lines were analyzed by western blot using anti-MPP8 antibody. A minor non-specific band is marked with a star. **(B)** Western blot analysis of stable *MPP8* knockdown HEK-293T cells. Knocking-down efficiency was estimated by comparing with the control cells infected with mock virus. Actin was used as a loading control.

Kokura, et al., Fig. S3

MDA-MB-231 Cells **MPP8-KD2 MDA-MB-231 cells**

Differential interference contrast (DIC) microscopy (63X)
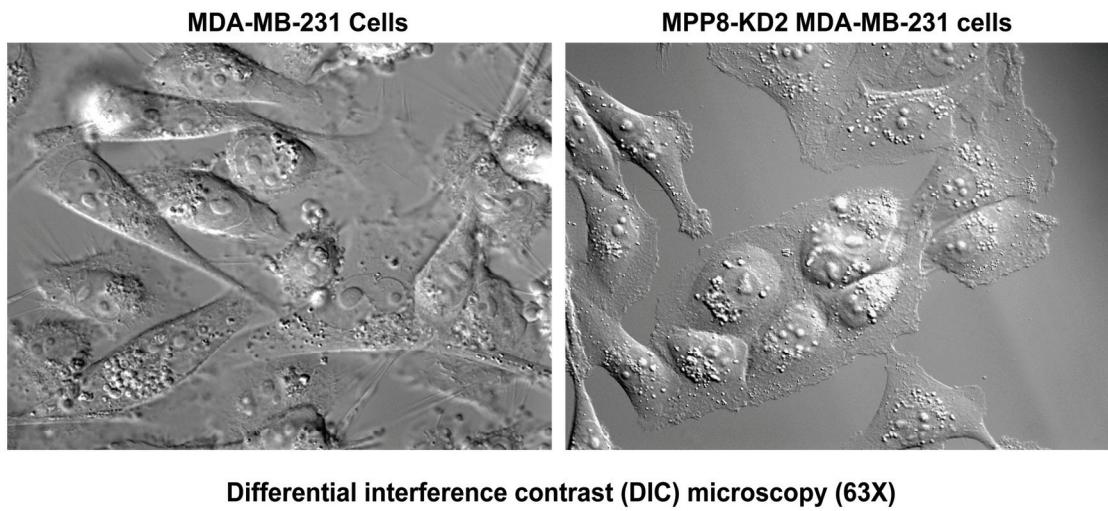
Figure S3. *MPP8* knockdown in MDA-MB-231 cells results in moderate morphology changes. Control and *MPP8*-KD2 MDA-MB-231 cells were grown on glass bottom culture dishes and the differential interference contrast (DIC) images of live cells were taken using a Zeiss automatic fluorescent Inverted microscope.

Kokura, et al., Fig. S4

A

NCI-H23

Control | MPP8 KD2

100% 50% 25% 12% 6% 3% 1.5%

α-MPP8

α-Actin

1 2 3 4 5 6 7 8

B

HeLa

Control | MPP8 KD2

100% 50% 25% 12% 6% 3% 1.5%

α-MPP8

α-Actin

1 2 3 4 5 6 7 8

C

D

E
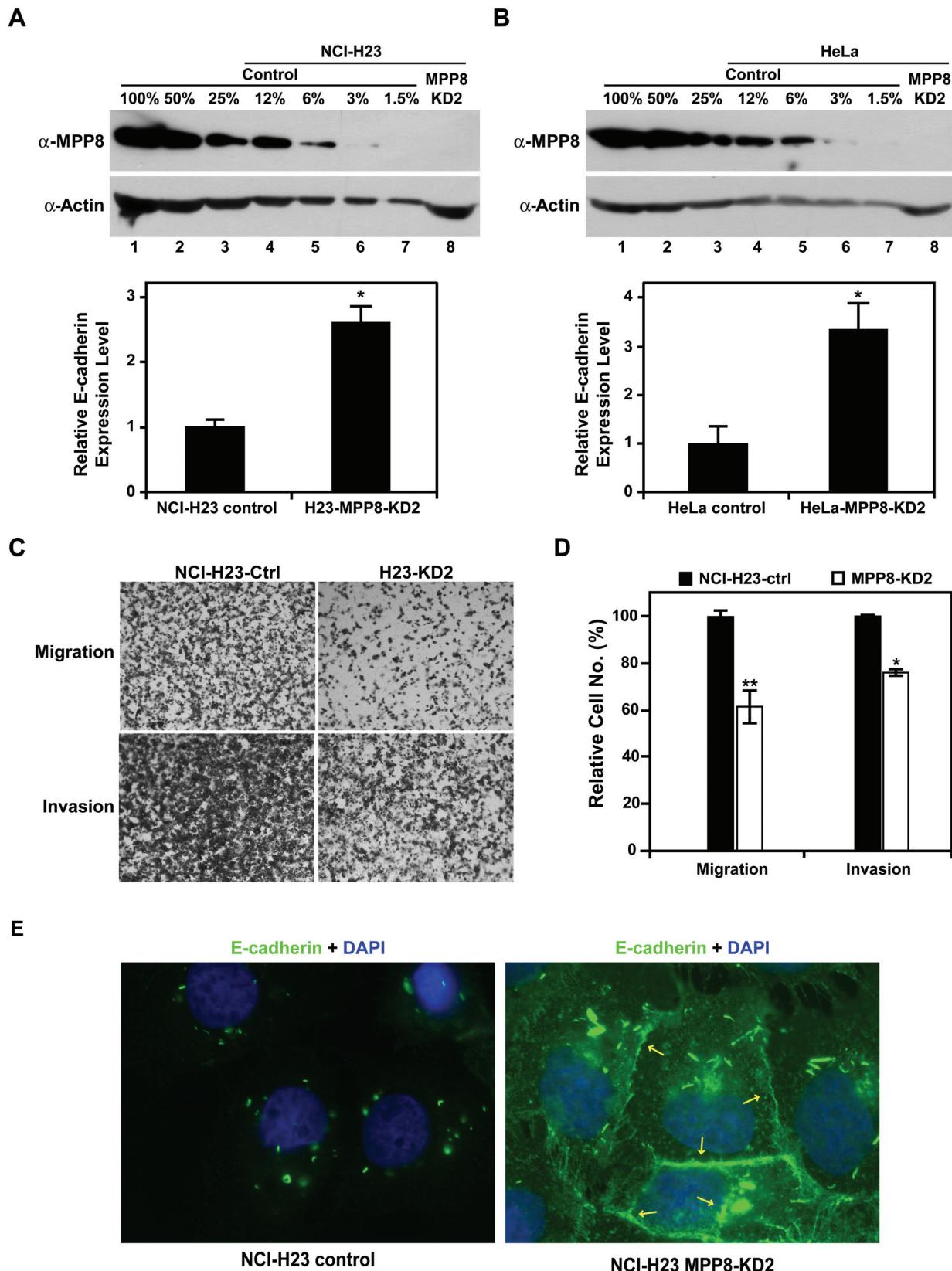
Figure S4. *MPP8* knockdown de-represses *E-cadherin* expression in different tumor cell lines. **(A)** Knocking-down *MPP8* in non-small cell lung cancer cells NCI-H23 de-represses *E-cadherin* expression. Top panels are western blot analysis of control and *MPP8* stable knockdown (KD2) NCI-H23 cells. Bottom panel shows the RT-qPCR analysis of control and *MPP8*-KD2 NCI-H23 cells. qPCR results were derived from three independent samples (± s.d.) and normalized to *GAPDH*. **(B)** Knocking-down *MPP8* in HeLa cells causes de-repressesion of *E-cadherin*. Top panels are western blot analysis of control and *MPP8* stable knockdown (KD2) HeLa cells. Bottom panel shows the RT-qPCR analysis of control and *MPP8*-KD2 HeLa cells. qPCR results were derived from three independent samples (± s.d.) and normalized to *GAPDH*. **(C, D)** Migration and invasion assays of control and *MPP8* knock-down (KD2) NCI-H23 cells. Cells were induced to move or invade through uncoated or Matrigel-coated membranes for 24 or 48 h respectively. Membranes were then fixed, photographed **(C)** or quantitated **(D)**. Columns represent the mean of triplicate assays (± s.d.). Control cell numbers were normalized as 100%. **(E)** Merged images of cold methanol fixed control and *MPP8*-KD2 NCI-H23 cells stained with E-cadherin (green) antibody and DAPI (blue). Yellow arrows show E-cadherin on cell membrane enables the cells to establish cell-cell contacts. In all panels, '*' Represents *P* values <0.01 and '**' represents *P* values <0.05.

Kokura, et al., Fig. S5
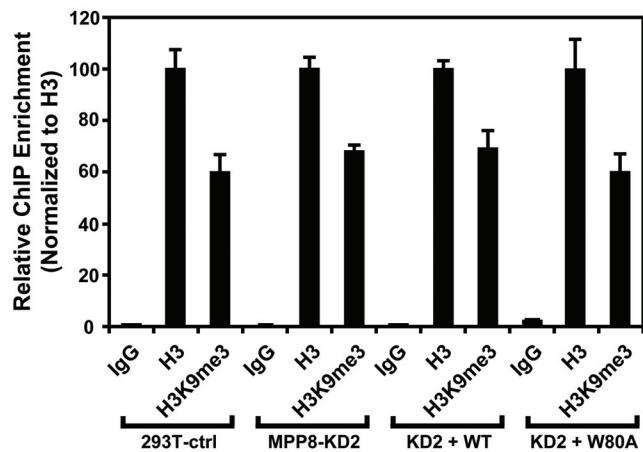
Figure S5. ChIP analysis using H3K9me3- and H3- specific antibodies. qPCR was conducted using primers specific for exogenous E-cad-Luc promoter and chromatin derived from control, *MPP8* knockdown and rescue 293T cells. ChIP enrichment of H3 antibody is normalized to 100% in each assayed cells. Graphs show the mean of relative ChIP enrichment values (n=3) with s.d. (error bars).

Kokura, et al., Fig. S6
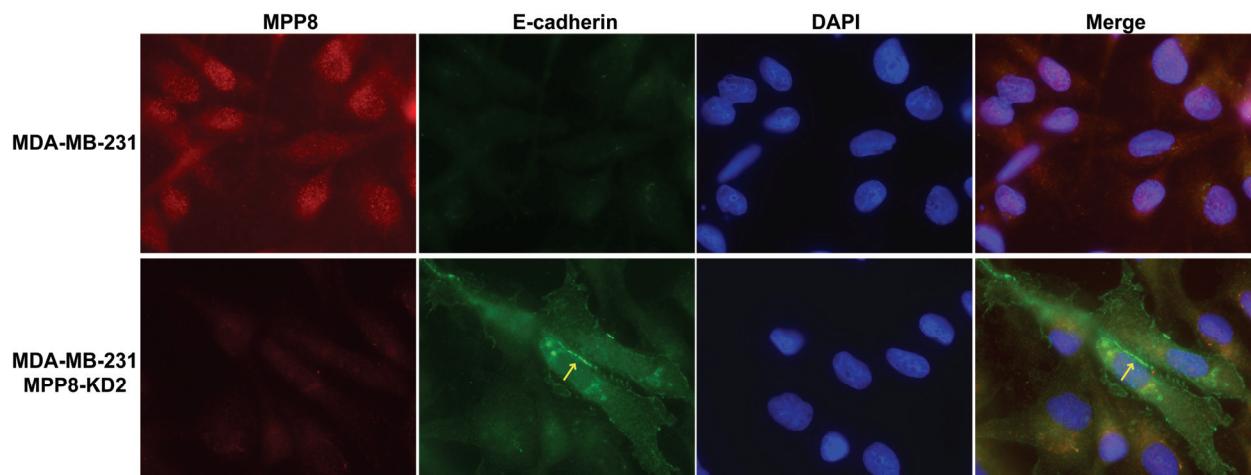
Figure S6. Re-expressed E-cadherin in *MPP8* knockdown MDA-MB-231 cells localizes on the cell membrane. Control and *MPP8* knockdown (KD2) MDA-MB-231 cells were fixed with cold methanol and co-stained with anti- E-cadherin (green) and MPP8 (red) antibodies. DAPI (blue) shows nuclei. Yellow arrows show E-cadherin on cell membrane enables the cells to establish cell-cell contacts.

Kokura, et al., Fig. S7
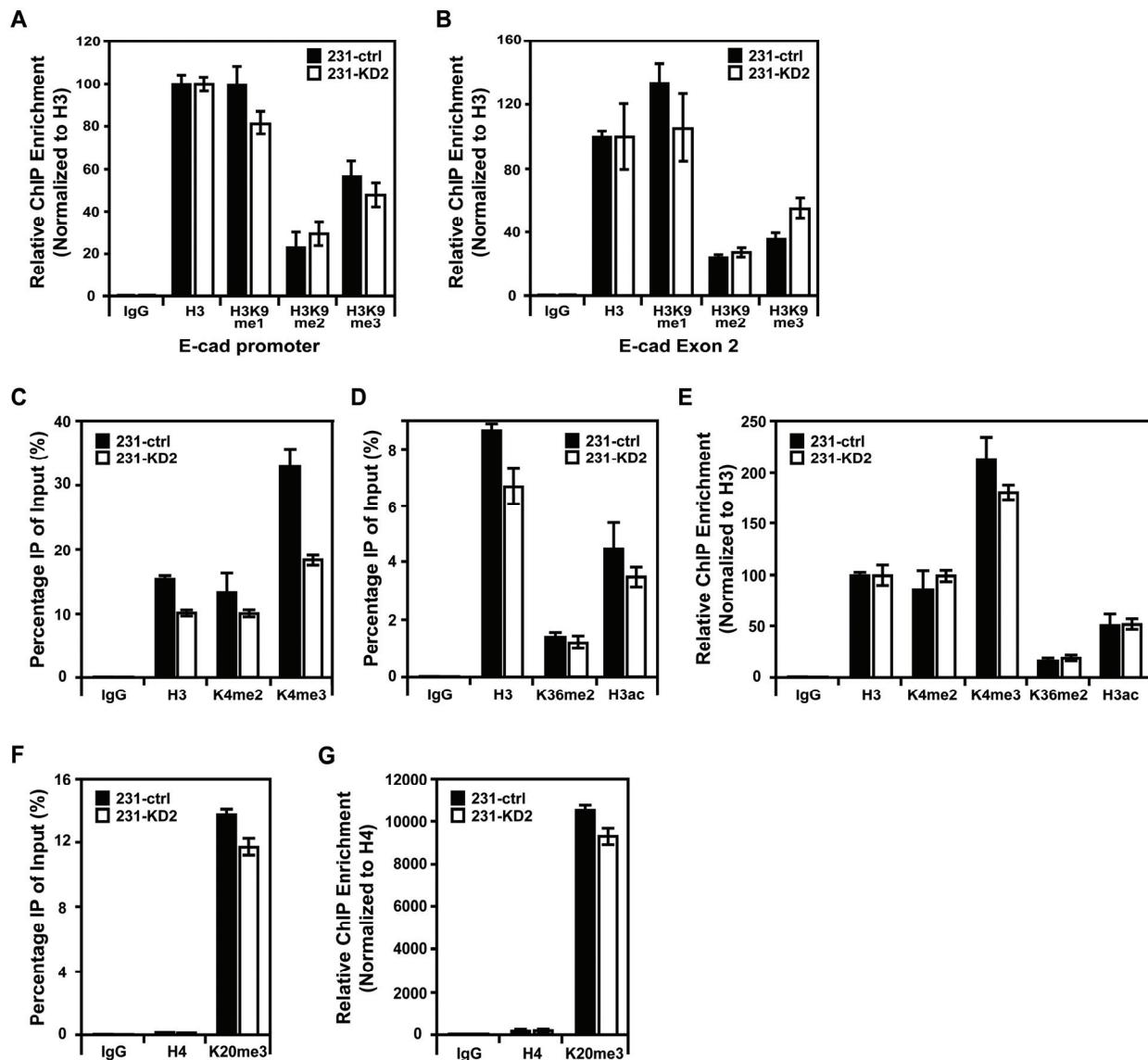
Figure S7. (A, B) ChIP-qPCR analysis using specific antibodies for H3, H3K9me1, H3K9me2 and H3K9me3, and chromatin derived from control and *MPP8* knockdown MDA-MB-231 cells. qPCR was conducted using primers specific for *E-cadherin* promoter **(A)** and exon2 **(B)**. ChIP enrichment of H3 antibody is normalized to 100% in each assayed cells. Graphs show the mean of relative ChIP enrichment values (n=3) with s.d. (error bars). **(C-E)** ChIP-qPCR analysis using specific antibodies for H3, H3K4me2, H3K4me3 **(C)** H3, H3K36me2, H3ac **(D)**, and chromatin derived from control and *MPP8* knockdown (KD2) MDA-MB-231 cells. qPCR was conducted using primers specific for *E-cadherin* promoter. Graphs show the mean ChIP enrichment values (n=3) with s.d. (error bars). **(E)** Same results in **(C-D)** with ChIP enrichment of H3 antibody normalized to 100% in each assay. Graphs show the mean of relative ChIP enrichment values (n=3) with s.d. (error bars). **(F)** ChIP-qPCR analysis using specific antibodies for H4 and H4K20me3 and chromatin derived from control and *MPP8* knockdown MDA-MB-231 cells. qPCR was conducted using primers specific for *E-cadherin* promoter. Graphs show the mean ChIP enrichment values (n=3) with s.d. (error bars). **(G)** Same results in **(F)** with ChIP enrichment of H4 antibody normalized to 100%. Graphs show the mean of relative ChIP enrichment values (n=3) with s.d. (error bars).

Kokura, et al., Fig.S8
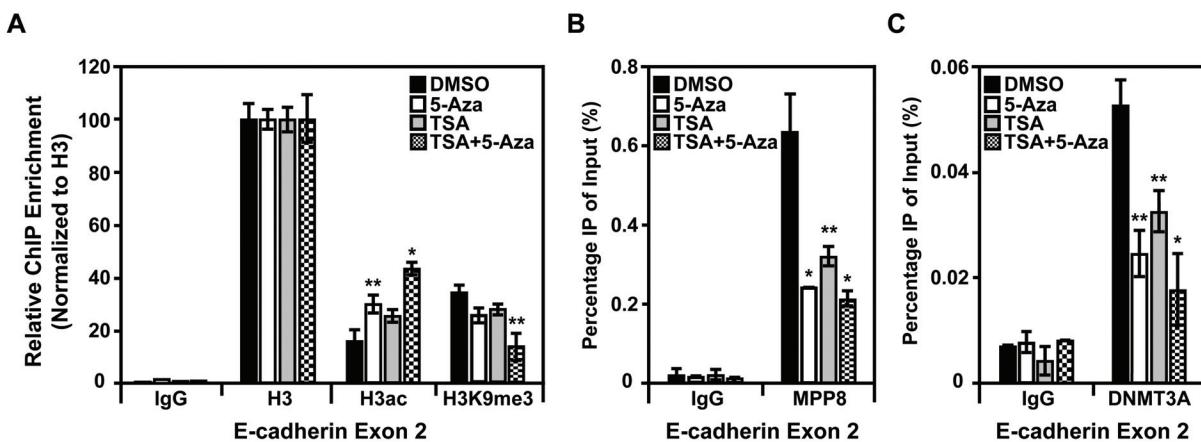
Figure S8. ChIP-qPCR analysis using specific antibodies for H3ac, H3K9me3 **(A)**, MPP8 **(B)** and DNMT3A **(C),** and chromatin derived from MDA-MB-231 cells treated with DMSO, 5-Aza, TSA or both inhibitors. qPCR was conducted using primers specific for *E-cadherin* exon 2. Graphs show the mean ChIP enrichment values (n=3) with s.d. (error bars). In all panels, '*' represents *P* values <0.01 and '**' represents *P* values <0.05.

Kokura, et al., Fig. S9

A

B

C
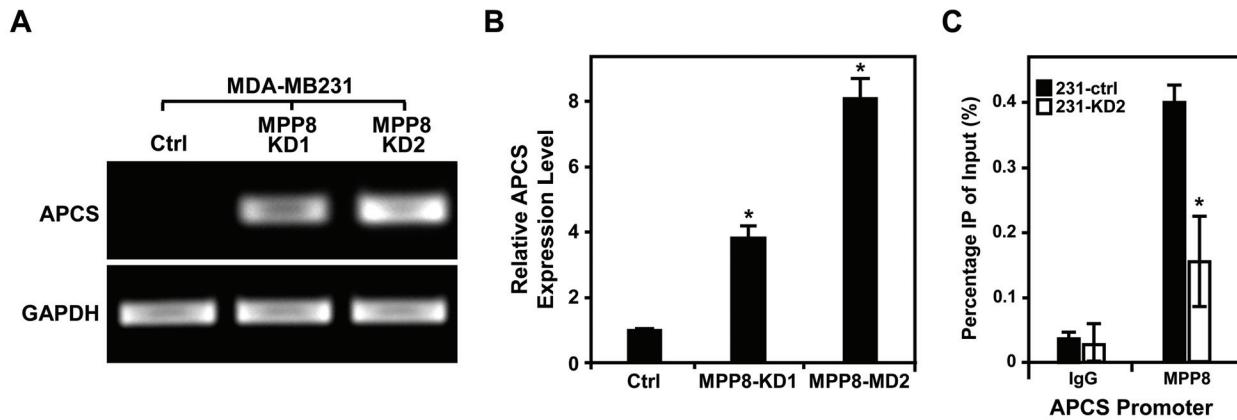
Figure S9 MPP8 represses *APCS* gene expression. **(A)** *APCS* mRNA levels in control and two *MPP8* stable knockdown MDA-MB-231 cells were assayed with RT-PCR. *GAPDH* serves as controls. **(B)** RT-qPCR analysis of control and *MPP8* knockdown MDA-MB-231 cells. qPCR results were derived from three independent samples (± s.d.) and normalized to *GAPDH*. **(C)** ChIP-qPCR analysis using MPP8 antibody and chromatin derived from control and *MPP8* knockdown (KD2) MDA-MB-231 cells. qPCR was conducted using primers specific for *APCS* promoter. In all panels, '*' represents *P* values <0.01.

Supplemental References

Cao R, Wang L, Wang H, Xia L, Erdjument-Bromage H, Tempst P, Jones RS, Zhang Y (2002) Role of histone H3 lysine 27 methylation in Polycomb-group silencing. *Science (New York, NY* **298**(5595)**:** 1039-1043

Cao R, Zhang Y (2004) SUZ12 is required for both the histone methyltransferase activity and the silencing function of the EED-EZH2 complex. *Molecular cell* **15**(1)**:** 57-67

Espejo A, Cote J, Bednarek A, Richard S, Bedford MT (2002) A protein-domain microarray identifies novel protein-protein interactions. *The Biochemical journal* **367**(Pt 3)**:** 697-702

Kim J, Daniel J, Espejo A, Lake A, Krishna M, Xia L, Zhang Y, Bedford MT (2006) Tudor, MBT and chromo domains gauge the degree of lysine methylation. *EMBO reports* **7**(4)**:** 397-403

Shi Y, Sawada J, Sui G, Affar el B, Whetstine JR, Lan F, Ogawa H, Luke MP, Nakatani Y, Shi Y (2003) Coordinated histone modifications mediated by a CtBP co-repressor complex. *Nature* **422**(6933)**:** 735-738

Ting AH, Schuebel KE, Herman JG, Baylin SB (2005) Short double-stranded RNA induces transcriptional gene silencing in human cancer cells in the absence of DNA methylation. *Nature genetics* **37**(8)**:** 906-910

Supplemental Table

Dysregulated gene list in response to *MPP8* knockdown in MDA-MB-231 cells.

Positive genes (621)

Row	Gene ID	Gene Name	Score(d)	Numerator	Denominator	Fold Change	q-value(%)
4843	APCS	206350_at	0.774597	2	2.581989	4.56015877	0
6979	PTGER3	211909_x_at	0.774597	2	2.581989	4.31777909	0
8870	LOC390411	216387_x_at	0.774597	2	2.581989	4.108935813	0
860	ATP11B	1564063_a_at	0.774597	2	2.581989	3.853361946	0
7993	MST1	213382_at	0.774597	2	2.581989	3.572839506	0
9048	RPS2	217466_x_at	0.774597	2	2.581989	3.554504832	0
330	DGKE	1554621_at	0.774597	2	2.581989	3.3627254451	0
5538	GOLGA8B	208797_s_at	0.774597	2	2.581989	3.362508165	0
14795	SUHW2	230789_at	0.774597	2	2.581989	3.328965517	0
243	TWIST2	1554163_at	0.774597	2	2.581989	3.275681342	0
4632	OAS1	205552_s_at	0.774597	2	2.581989	3.269515918	0
6552	SYNGR1	210613_s_at	0.774597	2	2.581989	3.182556497	0
180	ZNF548	1553718_at	0.774597	2	2.581989	3.089891018	0
8796	CYP2C9	216025_x_at	0.774597	2	2.581989	2.997366441	0
4836	RYR3	206306_at	0.774597	2	2.581989	2.981069959	0
15926	GPX2	239595_at	0.774597	2	2.581989	2.942834138	0
8234	ADAMTSL3	213974_at	0.774597	2	2.581989	2.913086913	0
642	LOC341671	1557818_x_at	0.774597	2	2.581989	2.903979378	0
8266	NPR2	214066_x_at	0.774597	2	2.581989	2.844799119	0
2265	PRG1	201858_s_at	0.774597	2	2.581989	2.812820761	0
876	LENG10	1564776_at	0.774597	2	2.581989	2.806422837	0
12437	H19	224997_x_at	0.774597	2	2.581989	2.790081995	0
3779	SGNE1	203889_at	0.774597	2	2.581989	2.772605671	0
14263	NRXN1	228547_at	0.774597	2	2.581989	2.766990291	0
307	RAD51L1	1554496_at	0.774597	2	2.581989	2.763474621	0
8360	RPS9	214317_x_at	0.774597	2	2.581989	2.743260563	0
795	NDP52	1560631_at	0.774597	2	2.581989	2.727571392	0
8920	LOC346735	216635_at	0.774597	2	2.581989	2.654717619	0
6612	NF2	210767_at	0.774597	2	2.581989	2.644012945	0
8137	KRTHB1	213711_at	0.774597	2	2.581989	2.636424611	0
671	DDX3X	1558120_at	0.774597	2	2.581989	2.611475976	0
10855	HSPB8	221667_s_at	0.774597	2	2.581989	2.610076456	0
15808	GPR110	238689_at	0.774597	2	2.581989	2.609238845	0
1022	ZNF709	1570366_x_at	0.774597	2	2.581989	2.606763285	0
15261	HHLA2	234624_at	0.774597	2	2.581989	2.590938824	0
12085	DDI2	224449_at	0.774597	2	2.581989	2.588112617	0
364	CNGA1	1554840_at	0.774597	2	2.581989	2.579970451	0
16150	ZNF254	242602_x_at	0.774597	2	2.581989	2.578665145	0
716	CCDC32	1558648_at	0.774597	2	2.581989	2.555383663	0
627	ATP6V1H	1557586_s_at	0.774597	2	2.581989	2.544738914	0
8377	CYP2C9	214421_x_at	0.774597	2	2.581989	2.532291667	0
10515	MYO15A	220288_at	0.774597	2	2.581989	2.530900091	0
14545	FXR1	229519_at	0.774597	2	2.581989	2.524549277	0
4872	CYP24A1	206504_at	0.774597	2	2.581989	2.523628049	0
6222	PSG6	209738_x_at	0.774597	2	2.581989	2.492054149	0
118	ATP6V0D2	1553153_at	0.774597	2	2.581989	2.491190493	0
906	FBXO9	1566507_a_at	0.774597	2	2.581989	2.462123958	0
11984	SPANXA1	224032_x_at	0.774597	2	2.581989	2.427607467	0
8758	HAB1	215778_x_at	0.774597	2	2.581989	2.425170732	0
10556	C10ORF59	220564_at	0.774597	2	2.581989	2.421694089	0
5061	SLCO1A2	207308_at	0.774597	2	2.581989	2.408256881	0
8963	SPAM1	216989_at	0.774597	2	2.581989	2.405177994	0
8621	DNPEP	215135_at	0.774597	2	2.581989	2.395874541	0
4089	MAOA	204388_s_at	0.774597	2	2.581989	2.383668271	0
350	PVT1	1554766_s_at	0.774597	2	2.581989	2.374354561	0

Negative genes (1139)

Row	Gene ID	Gene Name	Score(d)	Numerator	Denominator	Fold Chan	q-value(%)
15467	RHOJ	235489_at	-0.7746	-2	2.581989	0.159713	0
5306	HLA-DRB4	208306_x_at	-0.7746	-2	2.581989	0.189276	0
12397	PAPPA	224940_s_at	-0.7746	-2	2.581989	0.200602	0
4189	L1CAM	204584_at	-0.7746	-2	2.581989	0.209411	0
12394	PTGFRN	224937_at	-0.7746	-2	2.581989	0.210079	0
6491	ANXA2	210427_x_at	-0.7746	-2	2.581989	0.222534	0
3228	THBS2	203083_at	-0.7746	-2	2.581989	0.233729	0
1093	RPS24	200061_s_at	-0.7746	-2	2.581989	0.239377	0
8044	ANXA2	213503_x_at	-0.7746	-2	2.581989	0.240569	0
2046	ANXA2	201590_x_at	-0.7746	-2	2.581989	0.242299	0
2368	PAPPA	201981_at	-0.7746	-2	2.581989	0.244925	0
14139	PAPPA	228128_x_at	-0.7746	-2	2.581989	0.246706	0
1055	CFL1	200021_at	-0.7746	-2	2.581989	0.255073	0
6986	EEF1G	211927_x_at	-0.7746	-2	2.581989	0.257963	0
7491	GAPDH	212581_x_at	-0.7746	-2	2.581989	0.258163	0
6805	EEF1G	211345_x_at	-0.7746	-2	2.581989	0.261035	0
1223	EEF1G	200689_x_at	-0.7746	-2	2.581989	0.261712	0
1562	RPS18	201049_s_at	-0.7746	-2	2.581989	0.265146	0
9034	GAPDH	217398_x_at	-0.7746	-2	2.581989	0.268539	0
14742	PLEKHK1	230469_at	-0.7746	-2	2.581989	0.268568	0
316	FAM13C1	1554547_at	-0.7746	-2	2.581989	0.269231	0
11822	DKFZP566N034	223503_at	-0.7746	-2	2.581989	0.269432	0
1900	VIM	201426_s_at	-0.7746	-2	2.581989	0.269677	0
5622	HLA-DRA	208894_at	-0.7746	-2	2.581989	0.27177	0
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8365	TNFSF10	214329_x_at	-0.7746	-2	2.581989	0.274583	0
8638	HLA-DRB5	215193_x_at	-0.7746	-2	2.581989	0.277305	0
13675	HSMPP8	227026_at	-0.7746	-2	2.581989	0.281106	0
7644	FTL	212788_at	-0.7746	-2	2.581989	0.282322	0
6789	UBC	211296_x_at	-0.7746	-2	2.581989	0.282332	0
7026	RPLP0	211972_x_at	-0.7746	-2	2.581989	0.283284	0
8024	GAPDH	213453_x_at	-0.7746	-2	2.581989	0.284515	0
1615	LGALS1	201105_at	-0.7746	-2	2.581989	0.287107	0
1185	LDHA	200650_s_at	-0.7746	-2	2.581989	0.288088	0
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3247	RPS2	202107_x_at	-0.7746	-2	2.581989	0.299962	0
2949	TNFSF10	202687_s_at	-0.7746	-2	2.581989	0.300071	0
3191	RPL27A	203034_s_at	-0.7746	-2	2.581989	0.301135	0
1348	RPS15	200819_s_at	-0.7746	-2	2.581989	0.303024	0
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1456	RPS4X	200933_x_at	-0.7746	-2	2.581989	0.310633	0
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14368 DERL3	228897_at	0.774597	2	2.581989	2.358965146
136 WDR64	1553373_at	0.774597	2	2.581989	2.344152745
4711 CPA4	205832_at	0.774597	2	2.581989	2.33574582
8996 MUC5AC	217182_at	0.774597	2	2.581989	2.329885877
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768 PTD012	1559623_at	0.774597	2	2.581989	2.326171292
620 ABCC9	1557374_at	0.774597	2	2.581989	2.304520222
16169 MOBP	242765_at	0.774597	2	2.581989	2.302580999
1556 DUSP1	201041_s_at	0.774597	2	2.581989	2.298916033
15286 SNTG1	234919_s_at	0.774597	2	2.581989	2.293901543
16079 FLJ40906	242131_at	0.774597	2	2.581989	2.266841967
16230 SYT6	244227_at	0.774597	2	2.581989	2.254836759
8656 SLC12A3	215274_at	0.774597	2	2.581989	2.253884047
758 ADAM23	1559268_at	0.774597	2	2.581989	2.251448436
8828 NEK1	216213_at	0.774597	2	2.581989	2.247391952
803 MGC4266	1560874_at	0.774597	2	2.581989	2.229889751
8935 CYLC1	216809_at	0.774597	2	2.581989	2.219141021
15733 LOC440552	238199_x_at	0.774597	2	2.581989	2.21502447
10238 EGFL6	219454_at	0.774597	2	2.581989	2.208712614
682 LOC145783	1558202_at	0.774597	2	2.581989	2.207300275
10477 CBWD5	220175_s_at	0.774597	2	2.581989	2.193152174
8964 COL11A2	216993_s_at	0.774597	2	2.581989	2.189473684
12052 BEX2	224367_at	0.774597	2	2.581989	2.184617742
10420 BANP	219966_x_at	0.774597	2	2.581989	2.184267782
10684 TRIM49	221154_at	0.774597	2	2.581989	2.178378378
6907 IGG HEAVY	211693_at	0.774597	2	2.581989	2.164757412
11717 TXNDC11	223325_at	0.774597	2	2.581989	2.162847992
5227 GLRA1	207972_at	0.774597	2	2.581989	2.155576382
11918 NIPSNAP3B	223764_x_at	0.774597	2	2.581989	2.151744186
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14655 SAMD9L	230036_at	0.774597	2	2.581989	2.137556321
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908 DPYSL5	1566577_at	0.774597	2	2.581989	2.128121284
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1012 C2ORF160	1570070_at	0.774597	2	2.581989	2.115392215
8699 KIAA1473	215532_x_at	0.774597	2	2.581989	2.11274935
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8890 HNRPA1	216497_at	0.774597	2	2.581989	2.108891003
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148 TAS2R50	1553561_at	0.774597	2	2.581989	2.074396135
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10727 VN1R1	221412_at	0.774597	2	2.581989	2.06422569
797 ALG5	1560733_at	0.774597	2	2.581989	2.060442526
3716 MRPL33	203791_at	0.774597	2	2.581989	2.058945466
15669 ASXL2	237081_at	0.774597	2	2.581989	2.055386179
575 LOC284219	1556425_a_at	0.774597	2	2.581989	2.053208556
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1168 UBB	200633_at	-0.7746	-2	2.581989	0.312569
3571 C10ORF116	203571_s_at	-0.7746	-2	2.581989	0.314561
1363 RPS21	200834_s_at	-0.7746	-2	2.581989	0.315006
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8008 RPS19	213414_s_at	-0.7746	-2	2.581989	0.319414
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14007 PCSK9	227759_at	-0.7746	-2	2.581989	0.321949
1108 OAZ1	200077_s_at	-0.7746	-2	2.581989	0.323934
6816 PPIA	211378_x_at	-0.7746	-2	2.581989	0.32432
5852 AKR1C3	209160_at	-0.7746	-2	2.581989	0.324886
7030 PPIA	211978_x_at	-0.7746	-2	2.581989	0.325431
6567 RPL13A	210646_x_at	-0.7746	-2	2.581989	0.32687
6917 TUBB	211714_x_at	-0.7746	-2	2.581989	0.326972
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15936 VAPA	239750_x_at	-0.7746	-2	2.581989	0.330679
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12140 ACTB	224594_x_at	-0.7746	-2	2.581989	0.332437
12324 FKBP5	224840_at	-0.7746	-2	2.581989	0.33285
7834 RPL23A	213084_x_at	-0.7746	-2	2.581989	0.332997
9108 TMSB10	217733_s_at	-0.7746	-2	2.581989	0.335349
9114 RPL7A	217740_x_at	-0.7746	-2	2.581989	0.335898
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16603 ALU	AFFX-hum_alu	-0.7746	-2	2.581989	0.344903
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12421 FAM46A	224973_at	-0.7746	-2	2.581989	0.348885
5573 RPL23A	208834_x_at	-0.7746	-2	2.581989	0.349271
11434 NRP2	222877_at	-0.7746	-2	2.581989	0.352731
5630 RPS28	208904_s_at	-0.7746	-2	2.581989	0.353665
7346 RPS3A	212391_x_at	-0.7746	-2	2.581989	0.35585
12104 MGC12916	224508_at	-0.7746	-2	2.581989	0.356516
1125 RPS10	200095_x_at	-0.7746	-2	2.581989	0.361858
2730 IGSF3	202421_at	-0.7746	-2	2.581989	0.362802
10759 HLA-DRB3	221491_x_at	-0.7746	-2	2.581989	0.363348
8880 FN1	216442_x_at	-0.7746	-2	2.581989	0.363783
14484 KIAA0379	229307_at	-0.7746	-2	2.581989	0.371144
14430 LOC345910	229088_at	-0.7746	-2	2.581989	0.372519
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9584 PELI1	218319_at	-0.7746	-2	2.581989	0.374908
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15147	DNAI1	233195_at	0.774597	2	2.017236807	0
15883	IL24	239122_at	0.774597	2	2.010928962	0
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726	HATH6	1558706_a_at	0.774597	2	2.006075334	0
742	LOC132241	1558969_a_at	0.774597	2	2.005120482	0
10578	PRO0097	220691_at	0.774597	2	1.99862763	0
1020	FHR-3	1570228_at	0.774597	2	1.998538012	0
8930	GATM	216733_s_at	0.774597	2	1.993161094	0
16591	NPEPL1	89476_r_at	0.774597	2	1.989119433	0
11103	MEG3	222328_x_at	0.774597	2	1.986410635	0
15023	NDUFS8	232169_x_at	0.774597	2	1.985248178	0
665	C9ORF93	1558082_at	0.774597	2	1.979101358	0
3248	GPRC5A	203108_at	0.774597	2	1.977146494	0
15734	MGC20579	238226_at	0.774597	2	1.977032258	0
15892	ZNF542	239250_at	0.774597	2	1.974449832	0
5222	CSN2	207951_at	0.774597	2	1.973947026	0
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336	FLJ12571	1554672_at	0.774597	2	1.942869996	0
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5226	ACRV1	207969_x_at	0.774597	2	1.914145141	0
8986	CYP2B6	217133_x_at	0.774597	2	1.909750201	0
16154	RSAD2	242625_at	0.774597	2	1.907918969	0
8748	SCARB2	215754_at	0.774597	2	1.907851331	0
4797	ADAMDEC1	206134_at	0.774597	2	1.907651715	0

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14981	HNRPR	232004_at	-0.7746	-2	2.581989	0.379865	0
4443	TMEFF1	205123_s_at	-0.7746	-2	2.581989	0.380341	0
12556	ARHGAP18	225166_at	-0.7746	-2	2.581989	0.382308	0
14112	SUGT1	228045_at	-0.7746	-2	2.581989	0.382328	0
1617	THBS1	201107_s_at	-0.7746	-2	2.581989	0.383501	0
14376	KAI1	228910_at	-0.7746	-2	2.581989	0.385635	0
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1969	TGFBI	201506_at	-0.7746	-2	2.581989	0.398863	0
15682	SYNCOILIN	237333_at	-0.7746	-2	2.581989	0.39953	0
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13535	ITGA1	226731_at	-0.7746	-2	2.581989	0.407897	0
1346	RPS10	200817_x_at	-0.7746	-2	2.581989	0.408825	0
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13849	C8ORF53	227402_s_at	-0.7746	-2	2.581989	0.420267	0
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10833	ACTG1	221607_x_at	-0.7746	-2	2.581989	0.420647	0
12179	MAL2	224650_at	-0.7746	-2	2.581989	0.421074	0
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6064	PTN	209465_x_at	-0.7746	-2	2.581989	0.423517	0
2566	NFYC	202215_s_at	-0.7746	-2	2.581989	0.425842	0
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173	B3GALNT2	1553691_at	-0.7746	-2	2.581989	0.428311	0
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16267	NFYB	244704_at	-0.7746	-2	2.581989	0.432023	0
7328	ACTG1	212363_x_at	-0.7746	-2	2.581989	0.43288	0
10832	NSBP1	221606_s_at	-0.7746	-2	2.581989	0.436491	0
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2593	RAB13	202252_at	0.774597	2	2.581989	1.897746326	0
315	APOBEC4	1554545_at	0.774597	2	2.581989	1.897698849	0
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14985	LENG1	232018_at	0.774597	2	2.581989	1.895296872	0
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13710	LOC440104	227106_at	0.774597	2	2.581989	1.887534341	0
15907	LOC285620	239395_at	0.774597	2	2.581989	1.886002886	0
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4253	SLC29A2	204717_s_at	0.774597	2	2.581989	1.860626345	0
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15160	CDH26	233391_at	0.774597	2	2.581989	1.834320875	0
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925	BDNFOS	1567576_s_at	0.774597	2	2.581989	1.829225352	0
8943	ATP8B2	216873_s_at	0.774597	2	2.581989	1.827734711	0
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5430	MAGED2	208682_s_at	0.774597	2	2.581989	1.825571895	0
847	LOC91149	1563528_at	0.774597	2	2.581989	1.823187108	0
15414	FBN1	235318_at	0.774597	2	2.581989	1.82306555	0
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9066	MGC15606	217540_at	-0.7746	2.581989	0.442289	0
14982	AGPAT5	232007_at	-0.7746	2.581989	0.442927	0
1118	RPL12	200088_x_at	-0.7746	2.581989	0.443221	0
7041	HLA-DPA1	211990_at	-0.7746	2.581989	0.443358	0
70	PCDHGC3	1552735_at	-0.7746	2.581989	0.443362	0
156	MT-ND3	1553588_at	-0.7746	2.581989	0.444877	0
16001	DARP	241321_at	-0.7746	2.581989	0.445482	0
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15430	LOC148530	235362_at	-0.7746	2.581989	0.450297	0
11480	CXXC5	222996_s_at	-0.7746	2.581989	0.454037	0
11414	AYTL1	222833_at	-0.7746	2.581989	0.45427	0
8522	SENP6	214790_at	-0.7746	2.581989	0.454665	0
15529	UGCGL2	235749_at	-0.7746	2.581989	0.455422	0
9672	LZTFL1	218437_s_at	-0.7746	2.581989	0.455494	0
16604	GAPDH	AFFX-HUMGAP	-0.7746	2.581989	0.45598	0
3943	AKR1C2	204151_x_at	-0.7746	2.581989	0.456085	0
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7348	KIAA0090	212396_s_at	-0.7746	2.581989	0.457662	0
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14682	RBBP1	230141_at	-0.7746	2.581989	0.463066	0
8531	BRWD1	214820_at	-0.7746	2.581989	0.463445	0
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5517	PSMD11	208776_at	-0.7746	2.581989	0.465789	0
7782	KIAA1794	213008_at	-0.7746	2.581989	0.466127	0
7468	CAP2	212551_at	-0.7746	2.581989	0.466218	0
8425	MAP1B	214577_at	-0.7746	2.581989	0.466223	0
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6510	FN1	210495_x_at	-0.7746	2.581989	0.467959	0
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13149	ARRDC2	226055_at	-0.7746	2.581989	0.471468	0
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11945	SCARA3	223843_at	-0.7746	2.581989	0.472183	0
12398	PAPPA	224942_at	-0.7746	2.581989	0.474472	0
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3519	LRRC14	203495_at	-0.7746	2.581989	0.479244	0
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16174	MAML3	242794_at	-0.7746	2.581989	0.480493	0
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14788	FLJ33761	230747_s_at	-0.7746	2.581989	0.484411	0
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14367	ATOH8	228890_at	0.774597	1.819497072	2	2.581989
8539	DOK5	214844_s_at	0.774597	1.81916499	2	2.581989
5138	CYP1A2	207608_x_at	0.774597	1.819055087	2	2.581989
769	C15ORF29	1559658_at	0.774597	1.81897176	2	2.581989
6549	FUT2	210608_s_at	0.774597	1.818224519	2	2.581989
6619	FLI1	210786_s_at	0.774597	1.817731959	2	2.581989
15287	GARNL1	234923_at	0.774597	1.815344603	2	2.581989
13112	KLHL5	226001_at	0.774597	1.8148031	2	2.581989
8105	MT1F	213629_x_at	0.774597	1.814730927	2	2.581989
2786	FXYD3	202488_s_at	0.774597	1.814605178	2	2.581989
5726	KRT8	209008_x_at	0.774597	1.811747785	2	2.581989
15955	LOC284409	239995_at	0.774597	1.806920415	2	2.581989
862	SPN	1564129_a_at	0.774597	1.805988024	2	2.581989
4965	CFHL2	206910_x_at	0.774597	1.802518489	2	2.581989
1873	SGTA	201396_s_at	0.774597	1.801346563	2	2.581989
16200	IDH1	242956_at	0.774597	1.798394291	2	2.581989
1987	ATP6V1F	201527_at	0.774597	1.798225473	2	2.581989
16405	CD22	38521_at	0.774597	1.795218391	2	2.581989
13189	PLEKHG1	226122_at	0.774597	1.794684385	2	2.581989
786	LOC284242	1560250_s_at	0.774597	1.793783622	2	2.581989
4402	ASNS	205047_s_at	0.774597	1.792992304	2	2.581989
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4812	HOXC4	206194_at	0.774597	1.770930233	2	2.581989
6219	LOC286440	209733_at	0.774597	1.770716206	2	2.581989
15257	MAOA	234534_at	0.774597	1.766226307	2	2.581989
10451	CEP27	220071_x_at	0.774597	1.766455792	2	2.581989
818	LOC90342	1561871_at	0.774597	1.763379273	2	2.581989
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7924	FBXL7	213249_at	0.774597	1.76306914	2	2.581989
16048	FLJ23235	241844_x_at	0.774597	1.763066837	2	2.581989
3348	PEX5	203244_at	0.774597	1.759308072	2	2.581989
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12788	BAT4	225472_at	0.487532	2.581989	-2	-0.7746
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10553	MRPL20	220526_s_at	0.489517	2.581989	-2	-0.7746
14988	MGC26979	232023_at	0.489775	2.581989	-2	-0.7746
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7918	C13ORF24	213239_at	0.490588	2.581989	-2	-0.7746
14389	C1ORF139	228950_s_at	0.491455	2.581989	-2	-0.7746
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16036	FBXO32	241763_s_at	0.492069	2.581989	-2	-0.7746
10380	EHF	219850_s_at	0.492077	2.581989	-2	-0.7746
2094	SCARB2	201646_at	0.492287	2.581989	-2	-0.7746
13228	ITGB8	226189_at	0.492685	2.581989	-2	-0.7746
4021	EDNRB	204271_s_at	0.493369	2.581989	-2	-0.7746
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12372	SH3GLB2	224907_s_at	0.493639	2.581989	-2	-0.7746
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9227	TMEPAI	217875_s_at	0.494573	2.581989	-2	-0.7746
9556	DHRS6	218285_s_at	0.495464	2.581989	-2	-0.7746
15738	LOC134218	238335_at	0.495492	2.581989	-2	-0.7746
6840	RPS17	211487_x_at	0.496123	2.581989	-2	-0.7746
15251	GALNT13	234472_at	0.496539	2.581989	-2	-0.7746
12963	RBM17	225751_at	0.496691	2.581989	-2	-0.7746
4125	CXCL1	204470_at	0.496703	2.581989	-2	-0.7746
8215	TTBK2	213922_at	0.498032	2.581989	-2	-0.7746
8793	TNC	216005_at	0.498225	2.581989	-2	-0.7746
15909	C6ORF52	239417_x_at	0.498391	2.581989	-2	-0.7746
719	HMGA2	1558682_at	0.49911	2.581989	-2	-0.7746
5491	FLOT1	208748_s_at	0.499635	2.581989	-2	-0.7746
3722	DMXL1	203791_at	0.500395	2.581989	-2	-0.7746
7047	H3F3B	211998_at	0.50106	2.581989	-2	-0.7746
4727	NLGN1	205893_at	0.501133	2.581989	-2	-0.7746
6297	SLIT2	209897_s_at	0.50145	2.581989	-2	-0.7746
8164	RPSA	213801_x_at	0.501971	2.581989	-2	-0.7746
6262	VLDLR	209822_s_at	0.503386	2.581989	-2	-0.7746
69	KLHDC1	1552733_at	0.503662	2.581989	-2	-0.7746
7332	FEM1B	212367_at	0.503784	2.581989	-2	-0.7746
7914	PDE8B	213228_at	0.504422	2.581989	-2	-0.7746
2900	SERPINE1	202628_s_at	0.504508	2.581989	-2	-0.7746
16441	FMO3	40665_at	0.504705	2.581989	-2	-0.7746
6015	HIST1H1C	209398_at	0.505013	2.581989	-2	-0.7746
10174	POLI	219317_at	0.505304	2.581989	-2	-0.7746
7172	AP2A2	212161_at	0.505548	2.581989	-2	-0.7746
8057	G0S2	213524_s_at	0.505595	2.581989	-2	-0.7746
12700	DKFZP761M1511	225355_at	0.505842	2.581989	-2	-0.7746
4019	S100A2	204268_at	0.506222	2.581989	-2	-0.7746
6690	ASAH1	210980_s_at	0.507007	2.581989	-2	-0.7746

Table 1

Gene	Probe				Value	
11948 PCDHB10	223854_at	-0.7746	-2	2.581989	0.507093	0
6855 HLA-G	211530_x_at	-0.7746	-2	2.581989	0.5074	0
8077 ATP11A	213582_at	-0.7746	-2	2.581989	0.50806	0
4466 RBBP6	205178_s_at	-0.7746	-2	2.581989	0.508916	0
11392 RSBN1	222791_at	-0.7746	-2	2.581989	0.509066	0
4037 LOX	204298_s_at	-0.7746	-2	2.581989	0.509317	0
12726 KLF13	225390_s_at	-0.7746	-2	2.581989	0.509551	0
13318 MGC33202	226348_at	-0.7746	-2	2.581989	0.509608	0
10892 MXRA6	221748_s_at	-0.7746	-2	2.581989	0.50995	0
731 SMCHD1	1558747_at	-0.7746	-2	2.581989	0.509968	0
14729 CHPT1	230364_at	-0.7746	-2	2.581989	0.51091	0
13850 FZD8	227405_s_at	-0.7746	-2	2.581989	0.51095	0
16584 RABEP2	74694_s_at	-0.7746	-2	2.581989	0.510971	0
9626 FTS	218373_at	-0.7746	-2	2.581989	0.511421	0
14562 ERDJ5	229588_at	-0.7746	-2	2.581989	0.511657	0
14618 NMNAT1	229852_at	-0.7746	-2	2.581989	0.511926	0
14951 KIAA1229	231909_x_at	-0.7746	-2	2.581989	0.512425	0
13830 HS3ST3B1	227361_at	-0.7746	-2	2.581989	0.51267	0
2759 GTF2H1	202453_s_at	-0.7746	-2	2.581989	0.512727	0
9523 SUV420H1	218242_s_at	-0.7746	-2	2.581989	0.512982	0
12209 MLLT4	224685_at	-0.7746	-2	2.581989	0.513574	0
9624 PSPC1	218371_s_at	-0.7746	-2	2.581989	0.514417	0
14510 C10ORF118	229399_at	-0.7746	-2	2.581989	0.51593	0
15272 FLJ13576	234726_s_at	-0.7746	-2	2.581989	0.516092	0
2548 LIMK2	202193_at	-0.7746	-2	2.581989	0.516286	0
8605 LRRC42	215084_s_at	-0.7746	-2	2.581989	0.516603	0
15780 FUT11	238551_at	-0.7746	-2	2.581989	0.518015	0
16392 ZFYVE26	37943_at	-0.7746	-2	2.581989	0.51816	0
5417 HMGN2	208668_x_at	-0.7746	-2	2.581989	0.51906	0
12528 CPNE2	225129_at	-0.7746	-2	2.581989	0.519671	0
4453 FPGT	205140_at	-0.7746	-2	2.581989	0.519722	0
15360 TAF3	235119_at	-0.7746	-2	2.581989	0.520559	0
807 RAET1E	1561180_at	-0.7746	-2	2.581989	0.520794	0
4022 EDNRB	204273_at	-0.7746	-2	2.581989	0.520893	0
8678 MGC10940	215436_at	-0.7746	-2	2.581989	0.520927	0
14593 DJ462O23.2	229735_s_at	-0.7746	-2	2.581989	0.521129	0
8204 EMP1	213895_at	-0.7746	-2	2.581989	0.521249	0
3459 HES1	203395_s_at	-0.7746	-2	2.581989	0.521536	0
673 TNRC6B	1558142_at	-0.7746	-2	2.581989	0.521739	0
14270 PAPOLA	228569_at	-0.7746	-2	2.581989	0.521945	0
11412 GRHL1	228830_at	-0.7746	-2	2.581989	0.521965	0
15626 C6ORF52	236504_x_at	-0.7746	-2	2.581989	0.522429	0
13007 C20ORF194	225825_at	-0.7746	-2	2.581989	0.522975	0
4561 CBR3	205379_at	-0.7746	-2	2.581989	0.522982	0
15520 VPS53	235710_at	-0.7746	-2	2.581989	0.523122	0
8791 KIAA0090	215991_s_at	-0.7746	-2	2.581989	0.523323	0
5164 PRKAA2	207709_at	-0.7746	-2	2.581989	0.523423	0
1094 RPL30	200062_s_at	-0.7746	-2	2.581989	0.523495	0
10597 PPP4R2	220764_at	-0.7746	-2	2.581989	0.524407	0
15040 C18ORF4	232235_at	-0.7746	-2	2.581989	0.52459	0
4921 IL7	206693_at	-0.7746	-2	2.581989	0.52613	0
15415 ARL6	235320_at	-0.7746	-2	2.581989	0.526208	0
11589 C6ORF166	223143_s_at	-0.7746	-2	2.581989	0.52687	0
12846 LIFR	225571_at	-0.7746	-2	2.581989	0.527328	0
9877 PACSIN3	218744_s_at	-0.7746	-2	2.581989	0.527424	0
14466 LRRC57	229232_at	-0.7746	-2	2.581989	0.528372	0
14936 MGC39518	231874_at	-0.7746	-2	2.581989	0.529388	0

Table 2

Gene	Probe				Value	
15536 C1ORF48	235799_at	0.774597	2	2.581989	1.750180766	0
11459 VSX1	222972_at	0.774597	2	2.581989	1.749497656	0
424 ZNF479	1555368_x_at	0.774597	2	2.581989	1.748865356	0
16431 FOXA2	40284_at	0.774597	2	2.581989	1.747622821	0
14135 TGFB2	228121_at	0.774597	2	2.581989	1.746354344	0
15800 WDFY3	238660_at	0.774597	2	2.581989	1.745841331	0
869 SLC24A3	1564444_at	0.774597	2	2.581989	1.744825246	0
1017 LOC347034	1570155_at	0.774597	2	2.581989	1.743232988	0
4653 CDA	205627_at	0.774597	2	2.581989	1.741174195	0
7745 DYRK4	212954_at	0.774597	2	2.581989	1.740498985	0
10541 BIRC7	220451_s_at	0.774597	2	2.581989	1.740411932	0
6545 SAT	210592_s_at	0.774597	2	2.581989	1.739694181	0
15219 KIAA1772	233977_at	0.774597	2	2.581989	1.739065234	0
14577 THRB	229657_at	0.774597	2	2.581989	1.738663484	0
5998 XPC	209375_at	0.774597	2	2.581989	1.738415739	0
7895 TRBC1	213193_x_at	0.774597	2	2.581989	1.738231412	0
11104 APTX	222338_x_at	0.774597	2	2.581989	1.736807764	0
8970 KPNB1	217027_x_at	0.774597	2	2.581989	1.736675462	0
5200 ID3	207826_s_at	0.774597	2	2.581989	1.736082696	0
12858 SH3MD2	225589_at	0.774597	2	2.581989	1.733747424	0
10723 KCNIP1	221307_at	0.774597	2	2.581989	1.731843575	0
965 SMARCA4	1569073_x_at	0.774597	2	2.581989	1.730733083	0
13097 C17ORF28	225981_at	0.774597	2	2.581989	1.729341317	0
617 LOC285401	1557369_a_at	0.774597	2	2.581989	1.728753853	0
5730 MAGED1	209014_at	0.774597	2	2.581989	1.727409235	0
11113 COPZ1	222386_s_at	0.774597	2	2.581989	1.727334873	0
217 LARP2	1554038_at	0.774597	2	2.581989	1.727272727	0
15063 PCCA	232376_at	0.774597	2	2.581989	1.72324159	0
619 LOC339505	1557373_at	0.774597	2	2.581989	1.72251471	0
16165 SREBF2	242748_at	0.774597	2	2.581989	1.71884347	0
36 RAPH1	1552482_at	0.774597	2	2.581989	1.713584288	0
10340 PLAC1	219702_at	0.774597	2	2.581989	1.712986357	0
687 SF3B2	1558230_at	0.774597	2	2.581989	1.711696306	0
8903 HMG4L	216648_x_at	0.774597	2	2.581989	1.711664482	0
878 EEA1	1564789_at	0.774597	2	2.581989	1.708987784	0
5099 AHCYL1	207464_at	0.774597	2	2.581989	1.708672087	0
14833 NIN283	231092_s_at	0.774597	2	2.581989	1.708559047	0
12709 ESAM	238767_at	0.774597	2	2.581989	1.707398901	0
15819 MGC26744	210103_s_at	0.774597	2	2.581989	1.706073753	0
6384 FOXA2	241484_x_at	0.774597	2	2.581989	1.70486611	0
16016 MGC72104	1555289_at	0.774597	2	2.581989	1.704100946	0
413 LZTR2	230925_at	0.774597	2	2.581989	1.703417533	0
14806 APBB1IP	217165_x_at	0.774597	2	2.581989	1.702672039	0
8992 MT1F	206031_s_at	0.774597	2	2.581989	1.701787278	0
4763 USP5	242398_x_at	0.774597	2	2.581989	1.701434549	0
16121 ATP5F1	223338_s_at	0.774597	2	2.581989	1.698465644	0
11725 ATPIF1	1553155_x_at	0.774597	2	2.581989	1.698432202	0
119 ATP6V0D2	201926_s_at	0.774597	2	2.581989	1.697980871	0
2323 DAF	202957_at	0.774597	2	2.581989	1.696123269	0
3138 HCLS1	209885_at	0.774597	2	2.581989	1.694621696	0
6291 RHOD	234490_at	0.774597	2	2.581989	1.692760181	0
15253 ADAMTS10	1560407_at	0.774597	2	2.581989	1.690544413	0
792 MARK1	234954_at	0.774597	2	2.581989	1.690066059	0
15297 LOC442262	214377_s_at	0.774597	2	2.581989	1.688787185	0
8373 CTRL	230196_x_at	0.774597	2	2.581989	1.688561721	0
14698 KIAA1501	242895_x_at	0.774597	2	2.581989	1.688441462	0
16188 RNF39						

Left block:

Gene#	Symbol	Probe				
6829	DKFZP586A0522	211424_x_at	0.774597	2	1.687893082	0
8599	FLJ20331	215063_x_at	0.774597	2	1.686112545	0
9033	UBE2NL	217393_x_at	0.774597	2	1.685689692	0
3616	CPT1A	203633_at	0.774597	2	1.685396463	0
13238	MEG3	226211_at	0.774597	2	1.682557178	0
8333	DKK3	214247_s_at	0.774597	2	1.682466281	0
10620	SPANXA1	220922_s_at	0.774597	2	1.681571787	0
7297	CHMP7	212313_at	0.774597	2	1.680810433	0
15154	LOC90834	233321_x_at	0.774597	2	1.680235672	0
8606	C15ORF39	215087_at	0.774597	2	1.678745268	0
3588	FSTL3	203592_s_at	0.774597	2	1.677476677	0
7600	MEG3	212732_at	0.774597	2	1.675771971	0
10609	METTL5	220839_at	0.774597	2	1.674919063	0
250	ALS2CR15	1554205_s_at	0.774597	2	1.674364896	0
13570	EMB	226789_at	0.774597	2	1.674347158	0
15735	C6ORF83	238292_at	0.774597	2	1.674301242	0
14976	USP15	231990_at	0.774597	2	1.673205528	0
11710	NTN4	223315_at	0.774597	2	1.673094779	0
15052	KLHL5	232297_at	0.774597	2	1.671810372	0
4072	LIMK1	204357_s_at	0.774597	2	1.671019224	0
15736	SIMP	238303_at	0.774597	2	1.670411985	0
7965	STIP1	213330_s_at	0.774597	2	1.668572318	0
298	BTBD15	1554469_at	0.774597	2	1.667744543	0
14281	SGCD	228602_at	0.774597	2	1.667765667	0
10540	CHST4	220446_s_at	0.774597	2	1.666170659	0
10608	C21ORF77	220826_at	0.774597	2	1.664670659	0
3764	ACTN2	203864_s_at	0.774597	2	1.664506481	0
8640	CALD1	215198_s_at	0.774597	2	1.663859112	0
10310	FLJ12649	219626_at	0.774597	2	1.663826879	0
7169	SDC2	212158_at	0.774597	2	1.663088483	0
997	IQCH	1569611_a_at	0.774597	2	1.66218035	0
4999	AOC2	207064_s_at	0.774597	2	1.662179908	0
10579	C14ORF107	220701_at	0.774597	2	1.66125928	0
329	SERPINB8	1554616_at	0.774597	2	1.65805564	0
680	FN1	1558199_at	0.774597	2	1.656515227	0
15805	WDR36	238677_at	0.774597	2	1.655670376	0
8241	SAT	213988_s_at	0.774597	2	1.655315513	0
3757	IGFBP6	203851_at	0.774597	2	1.654170916	0
6501	TANK	210458_x_at	0.774597	2	1.653719311	0
435	SLC39A14	1555433_at	0.774597	2	1.653481894	0
1001	CCDC36	1569690_at	0.774597	2	1.653305785	0
9590	LGR4	238326_s_at	0.774597	2	1.652742734	0
15651	LOC146210	236776_at	0.774597	2	1.652574156	0
231	PRR8	1554095_at	0.774597	2	1.652344863	0
953	LOC199998	1568938_at	0.774597	2	1.651880424	0
1178	HDLBP	200643_at	0.774597	2	1.651531799	0
10534	TGFB2	220407_s_at	0.774597	2	1.649483066	0
5053	ABI2	207268_x_at	0.774597	2	1.648803144	0
3792	DNASE1L1	203912_s_at	0.774597	2	1.646782996	0
13473	PHYHIPL	226623_at	0.774597	2	1.646482636	0
16178	BCAN	242843_at	0.774597	2	1.646386431	0
9596	BEX1	218332_at	0.774597	2	1.646172539	0
945	NCOR1	1556748_at	0.774597	2	1.645728643	0
610	BCL10	1557258_a_at	0.774597	2	1.645558897	0
10644	ST6GALNAC5	220979_s_at	0.774597	2	1.645047389	0
9314	FXC1	217981_s_at	0.774597	2	1.640140948	0
90	FLJ30430	1552942_at	0.774597	2	1.640102171	0

Right block:

					Probe	Gene#	Name
0	0.529695	2.581989	-2	-0.7746	1553743_at	183	LOC151194
0	0.530387	2.581989	-2	-0.7746	1569167_at	971	PTD002
0	0.531495	2.581989	-2	-0.7746	226722_at	13529	FAM20C
0	0.531698	2.581989	-2	-0.7746	229431_at	14520	RFXAP
0	0.532619	2.581989	-2	-0.7746	225728_at	12946	SORBS2
0	0.53262	2.581989	-2	-0.7746	224729_s_at	12243	ATPAF1
0	0.533984	2.581989	-2	-0.7746	206907_at	4964	TNFSF9
0	0.534844	2.581989	-2	-0.7746	235388_at	15434	CHD9
0	0.535746	2.581989	-2	-0.7746	231042_s_at	14823	CAMK2D
0	0.536192	2.581989	-2	-0.7746	212934_at	7735	LOC137886
0	0.536258	2.581989	-2	-0.7746	242890_at	16187	HELLS
0	0.536664	2.581989	-2	-0.7746	239891_x_at	15950	RAB12
0	0.537409	2.581989	-2	-0.7746	204884_s_at	4329	HUS1
0	0.537467	2.581989	-2	-0.7746	202916_s_at	3107	FAM20B
0	0.537586	2.581989	-2	-0.7746	223614_at	11873	C8ORF57
0	0.537933	2.581989	-2	-0.7746	222672_at	11321	C6ORF149
0	0.538398	2.581989	-2	-0.7746	40016_g_at	16425	MAST4
0	0.538676	2.581989	-2	-0.7746	221276_s_at	10719	SYNC1
0	0.539284	2.581989	-2	-0.7746	222826_at	11411	PLDN
0	0.539499	2.581989	-2	-0.7746	42361_g_at	16454	CCHCR1
0	0.540215	2.581989	-2	-0.7746	217644_s_at	9081	SOS2
0	0.540351	2.581989	-2	-0.7746	211797_s_at	6957	NFYC
0	0.540511	2.581989	-2	-0.7746	213693_s_at	8126	MUC1
0	0.54087	2.581989	-2	-0.7746	214583_at	8429	RSC1A1
0	0.541042	2.581989	-2	-0.7746	202029_x_at	2405	RPL38
0	0.541303	2.581989	-2	-0.7746	203957_at	3812	E2F6
0	0.541383	2.581989	-2	-0.7746	213497_at	8042	ABTB2
0	0.541561	2.581989	-2	-0.7746	212143_s_at	7160	IGFBP3
0	0.542426	2.581989	-2	-0.7746	242738_s_at	16164	ATBF1
0	0.543133	2.581989	-2	-0.7746	1554249_a_at	254	ZNF638
0	0.543268	2.581989	-2	-0.7746	236235_at	15595	ITCH
0	0.543325	2.581989	-2	-0.7746	217310_s_at	9021	FOXJ3
0	0.543328	2.581989	-2	-0.7746	217657_at	9083	BCAP29
0	0.543453	2.581989	-2	-0.7746	201006_at	1522	PRDX2
0	0.543561	2.581989	-2	-0.7746	1556389_at	574	TNRC5
0	0.544331	2.581989	-2	-0.7746	213882_at	8197	BBP
0	0.544402	2.581989	-2	-0.7746	230150_at	14684	BCAP29
0	0.546089	2.581989	-2	-0.7746	202218_s_at	2569	FADS2
0	0.546215	2.581989	-2	-0.7746	200674_s_at	1208	RPL32
0	0.546565	2.581989	-2	-0.7746	224856_at	12339	FKBP5
0	0.546838	2.581989	-2	-0.7746	220936_s_at	10626	H2AFJ
0	0.547095	2.581989	-2	-0.7746	218711_s_at	9856	SDPR
0	0.548097	2.581989	-2	-0.7746	206036_s_at	4764	REL
0	0.548137	2.581989	-2	-0.7746	219387_at	10213	KIAA1212
0	0.548399	2.581989	-2	-0.7746	225738_at	12955	RAPGEF1
0	0.548519	2.581989	-2	-0.7746	229064_s_at	14421	DSCR1L2
0	0.548699	2.581989	-2	-0.7746	224679_at	12203	MESDC2
0	0.548926	2.581989	-2	-0.7746	226534_at	13427	KITLG
0	0.548928	2.581989	-2	-0.7746	206929_s_at	4973	NFIC
0	0.549609	2.581989	-2	-0.7746	209131_s_at	5828	SNAP23
0	0.5497	2.581989	-2	-0.7746	1556062_at	556	LOC283012
0	0.549776	2.581989	-2	-0.7746	215446_s_at	8680	LOX
0	0.55012	2.581989	-2	-0.7746	221820_s_at	10932	MYST1
0	0.550268	2.581989	-2	-0.7746	204657_s_at	4224	SHB
0	0.550513	2.581989	-2	-0.7746	242477_at	16138	FLJ33868
0	0.550726	2.581989	-2	-0.7746	219443_at	10232	TASP1
0	0.55091	2.581989	-2	-0.7746	1568126_at	928	ANXA2

Gene ID	Symbol	Probe					
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793	STXBP3	1560486_at	0.774597	1.639231824	2.581989	2	0
15193	OSBPL5	233734_s_at	0.774597	1.638974134	2.581989	2	0
218	TXNDC9	1554047_at	0.774597	1.638197587	2.581989	2	0
8572	KIAA0527	214954_at	0.774597	1.636597673	2.581989	2	0
4784	UGT1A1	206094_x_at	0.774597	1.635200819	2.581989	2	0
3524	PEX14	203503_s_at	0.774597	1.632471663	2.581989	2	0
15225	PTR4	234011_at	0.774597	1.630358705	2.581989	2	0
4666	CYP27B1	205676_at	0.774597	1.630212955	2.581989	2	0
10173	C16ORF30	219315_s_at	0.774597	1.629085741	2.581989	2	0
10871	STYK1	221696_s_at	0.774597	1.628873631	2.581989	2	0
6204	MOXD1	209708_at	0.774597	1.62809663	2.581989	2	0
606	LOC340529	1557203_at	0.774597	1.627892167	2.581989	2	0
9011	LOC641903	217256_x_at	0.774597	1.625225826	2.581989	2	0
358	CLDN19	1554805_at	0.774597	1.623878875	2.581989	2	0
13254	COL8A1	226237_at	0.774597	1.623003131	2.581989	2	0
15610	LOC113730	236285_at	0.774597	1.62100082	2.581989	2	0
13584	HEYL	226828_s_at	0.774597	1.620893008	2.581989	2	0
15486	SFRS2IP	235579_at	0.774597	1.619531675	2.581989	2	0
463	GDPD1	1555606_a_at	0.774597	1.619359058	2.581989	2	0
15174	GNL1	233544_at	0.774597	1.619190815	2.581989	2	0
507	LOC284454	1555847_a_at	0.774597	1.618036212	2.581989	2	0
3494	SCNN1A	203453_at	0.774597	1.617647059	2.581989	2	0
2612	ACTG2	202274_at	0.774597	1.617182565	2.581989	2	0
15880	FLJ13305	239090_at	0.774597	1.616499443	2.581989	2	0
13786	LRP10	227252_at	0.774597	1.615883925	2.581989	2	0
4067	S100P	204351_at	0.774597	1.615559044	2.581989	2	0
8465	ZNF266	214686_at	0.774597	1.61499587	2.581989	2	0
10039	HPS6	219052_at	0.774597	1.614683619	2.581989	2	0
1896	IFI30	201422_at	0.774597	1.614389519	2.581989	2	0
8474	WIPI2	214699_x_at	0.774597	1.612605771	2.581989	2	0
10338	SAMD9	219691_at	0.774597	1.612073662	2.581989	2	0
8878	EPC1	216437_at	0.774597	1.611892326	2.581989	2	0
13745	CCT4	227171_at	0.774597	1.611387507	2.581989	2	0
14229	KCNC4	228436_at	0.774597	1.610629694	2.581989	2	0
5098	PRSS3	207463_x_at	0.774597	1.610537951	2.581989	2	0
16565	CALML4	64408_s_at	0.774597	1.610366399	2.581989	2	0
14390	LOC342470	228951_at	0.774597	1.610131397	2.581989	2	0
5367	FLNB	208613_s_at	0.774597	1.608741126	2.581989	2	0
8514	EGFL4	214778_at	0.774597	1.608586911	2.581989	2	0
10630	MANSC1	220945_x_at	0.774597	1.608351811	2.581989	2	0
4731	MICA	205904_at	0.774597	1.606527874	2.581989	2	0
428	UBE1	1555387_at	0.774597	1.606408917	2.581989	2	0
839	ERICH1	1563315_s_at	0.774597	1.605685212	2.581989	2	0
7607	MAOA	212741_at	0.774597	1.604105722	2.581989	2	0
1899	ALDH2	201425_at	0.774597	1.602842536	2.581989	2	0
5558	RAB8A	208819_at	0.774597	1.601216402	2.581989	2	0
14714	RAB7B	230266_at	0.774597	1.601139601	2.581989	2	0
3873	TCEAL1	204045_at	0.774597	1.600985222	2.581989	2	0
10210	POLH	219380_x_at	0.774597	1.600256082	2.581989	2	0
13652	C20ORF102	226973_at	0.774597	1.599757046	2.581989	2	0
11042	FTSJ2	222130_s_at	0.774597	1.599757046	2.581989	2	0
3132	FHL2	202949_s_at	0.774597	1.599373888	2.581989	2	0
10681	FLJ20306	221120_at	0.774597	1.596855346	2.581989	2	0
6235	SP110	209762_x_at	0.774597	1.596416293	2.581989	2	0
8483	BMP2K	214716_at	0.774597	1.595384615	2.581989	2	0
12022	CABYR	224279_s_at	0.774597	1.595088819	2.581989	2	0

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4876	AIM2	206513_at	-0.7746	2.581989	-2	0.551495	0
13344	TCEA3	226388_at	-0.7746	2.581989	-2	0.551616	0
14822	LOC220213	231035_s_at	-0.7746	2.581989	-2	0.551841	0
13719	KIAA0872	227116_at	-0.7746	2.581989	-2	0.552301	0
16410	KIAA0240	38892_at	-0.7746	2.581989	-2	0.552343	0
4583	CALB2	205428_s_at	-0.7746	2.581989	-2	0.552389	0
1095	NPM1	200063_s_at	-0.7746	2.581989	-2	0.55284	0
389	MIER1	1555105_a_at	-0.7746	2.581989	-2	0.553023	0
12109	CXXC5	224516_s_at	-0.7746	2.581989	-2	0.553381	0
13534	USP37	226730_s_at	-0.7746	2.581989	-2	0.553512	0
1046	RPL21	200012_x_at	-0.7746	2.581989	-2	0.553787	0
13756	ZNF503	227195_at	-0.7746	2.581989	-2	0.554443	0
15459	TOR1AIP2	235453_at	-0.7746	2.581989	-2	0.555701	0
12131	NUCKS	224582_s_at	-0.7746	2.581989	-2	0.556637	0
3554	KLF9	203543_s_at	-0.7746	2.581989	-2	0.557234	0
3793	CXADR	203017_at	-0.7746	2.581989	-2	0.557294	0
11689	GJB2	223278_at	-0.7746	2.581989	-2	0.557882	0
5346	HIST1H2BF	208490_x_at	-0.7746	2.581989	-2	0.558178	0
8276	FUBP1	214093_s_at	-0.7746	2.581989	-2	0.558346	0
8567	ATP9B	214934_at	-0.7746	2.581989	-2	0.558496	0
6530	NFATC3	210555_s_at	-0.7746	2.581989	-2	0.558583	0
11578	TRIM8	223131_s_at	-0.7746	2.581989	-2	0.558605	0
3458	HES1	203394_s_at	-0.7746	2.581989	-2	0.558766	0
11317	RIOK2	222663_at	-0.7746	2.581989	-2	0.558826	0
13411	ZNF651	226500_at	-0.7746	2.581989	-2	0.559224	0
7293	CLASP2	212308_at	-0.7746	2.581989	-2	0.55934	0
432	KLF7	1555420_a_at	-0.7746	2.581989	-2	0.559369	0
390	CTDSPL2	1555106_a_at	-0.7746	2.581989	-2	0.56005	0
6027	FZR1	209414_at	-0.7746	2.581989	-2	0.560324	0
13464	C20ORF194	226607_at	-0.7746	2.581989	-2	0.560585	0
727	ZNF252	1558722_at	-0.7746	2.581989	-2	0.56066	0
7971	RPS4X	213347_x_at	-0.7746	2.581989	-2	0.561158	0
16134	FLJ10244	242458_at	-0.7746	2.581989	-2	0.56117	0
4063	AK3	204347_at	-0.7746	2.581989	-2	0.561279	0
10178	WDR8	219322_s_at	-0.7746	2.581989	-2	0.561394	0
3767	USP46	203870_at	-0.7746	2.581989	-2	0.561707	0
16007	LOC286052	241370_at	-0.7746	2.581989	-2	0.5618	0
16412	AQP3	39248_at	-0.7746	2.581989	-2	0.561839	0
15841	T2BP	238858_at	-0.7746	2.581989	-2	0.561952	0
12873	B3GNT5	225612_s_at	-0.7746	2.581989	-2	0.562279	0
15617	WDR8	236381_s_at	-0.7746	2.581989	-2	0.562325	0
6793	PDE4B	211302_s_at	-0.7746	2.581989	-2	0.562341	0
10875	BRIP1	221703_at	-0.7746	2.581989	-2	0.563184	0
14808	DSTN	230933_at	-0.7746	2.581989	-2	0.563507	0
15862	MGC2734	238963_at	-0.7746	2.581989	-2	0.564921	0
4203	IDI1	204615_x_at	-0.7746	2.581989	-2	0.565604	0
285	C8ORF1	1554414_a_at	-0.7746	2.581989	-2	0.565654	0
10700	C1ORF56	221222_s_at	-0.7746	2.581989	-2	0.566014	0
549	LOC144874	1556021_at	-0.7746	2.581989	-2	0.566248	0
8238	RABGAP1L	213982_s_at	-0.7746	2.581989	-2	0.566362	0
4837	DNMT2	206308_at	-0.7746	2.581989	-2	0.566589	0
6461	L3MBTL	210306_at	-0.7746	2.581989	-2	0.566624	0
7403	MYST4	212462_at	-0.7746	2.581989	-2	0.56695	0
4996	GLI2	207034_s_at	-0.7746	2.581989	-2	0.566978	0
1785	WSB1	201295_s_at	-0.7746	2.581989	-2	0.567055	0
13168	LZIC	226087_at	-0.7746	2.581989	-2	0.567214	0

Left block:

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13684	SLC39A11	227046_at	0.774597	2	1.594990479	0
9421	XAB2	218110_at	0.774597	2	1.594710744	0
865	MGC4189	1564301_a_at	0.774597	2	1.594007491	0
905	FLJ35848	1566480_x_at	0.774597	2	1.593421654	0
11082	PLGLB1	222249_at	0.774597	2	1.592446449	0
15201	KIAA1442	233850_s_at	0.774597	2	1.592351958	0
5181	SP140	207777_s_at	0.774597	2	1.59180518	0
8787	IGHMBP2	215980_s_at	0.774597	2	1.591730425	0
8176	GTPBP3	213835_x_at	0.774597	2	1.591705727	0
14796	C14ORF116	230790_x_at	0.774597	2	1.590103849	0
10846	ZDHHC11	221646_s_at	0.774597	2	1.590024331	0
5523	FSTL1	208782_at	0.774597	2	1.589949899	0
15221	ZNF445	233992_x_at	0.774597	2	1.589138405	0
889	K-ALPHA-1	1565668_at	0.774597	2	1.588669951	0
4754	HABP2	206010_at	0.774597	2	1.58625818	0
10450	MAGEC2	220062_s_at	0.774597	2	1.586073106	0
1520	SSR4	201004_at	0.774597	2	1.585990495	0
4825	ZNF239	206261_at	0.774597	2	1.585205267	0
8566	CACNA1A	214933_at	0.774597	2	1.584283513	0
13289	PKN3	226299_at	0.774597	2	1.583201685	0
3438	POLG	203366_at	0.774597	2	1.583178233	0
4327	TAOK2	204878_s_at	0.774597	2	1.580956762	0
2721	IFI27	202411_at	0.774597	2	1.580312316	0
2052	INPPL1	201598_s_at	0.774597	2	1.579136169	0
8595	RREB1	215032_at	0.774597	2	1.578683595	0
8794	LINK-GEFII	216606_at	0.774597	2	1.577578475	0
3002	GPC1	202755_s_at	0.774597	2	1.577494692	0
578	LOC283994	1556533_at	0.774597	2	1.577298557	0
8462	GNA11	214679_x_at	0.774597	2	1.577092061	0
6539	POLR3C	210573_s_at	0.774597	2	1.57664197	0
3551	WDR39	203536_s_at	0.774597	2	1.576569842	0
636	EHBP1L1	1557749_at	0.774597	2	1.575892857	0
5097	CCR9	207445_s_at	0.774597	2	1.575414781	0
16183	AKT3	242876_at	0.774597	2	1.574971815	0
15282	KIAA1728	234870_at	0.774597	2	1.574924319	0
6460	XDH	210301_at	0.774597	2	1.574735331	0
10467	ANKRD5	220144_s_at	0.774597	2	1.574536377	0
8889	LOC442175	216490_x_at	0.774597	2	1.574429967	0
4163	TBC1D8	204526_s_at	0.774597	2	1.574405244	0
13002	TBRG1	225818_s_at	0.774597	2	1.572063877	0
14888	LOC51057	231770_x_at	0.774597	2	1.571876152	0
16539	DND1	57739_at	0.774597	2	1.571540675	0
12548	ELOF1	225156_at	0.774597	2	1.570962199	0
6409	ME2	210153_s_at	0.774597	2	1.570939662	0
15371	PARD6B	235165_at	0.774597	2	1.570560085	0
14256	SAMD9	228531_at	0.774597	2	1.568667838	0
437	KIAA1970	1555437_at	0.774597	2	1.568612867	0
5293	C4BPB	208209_s_at	0.774597	2	1.568177722	0
4559	PLAG1	205372_at	0.774597	2	1.568172731	0
5957	CASP4	209310_s_at	0.774597	2	1.567226891	0
4808	HERC3	206183_s_at	0.774597	2	1.566922921	0
4918	PTPN6	206687_s_at	0.774597	2	1.565415716	0
2141	PGRMC2	201701_s_at	0.774597	2	1.565076202	0
14870	PRCP	231588_at	0.774597	2	1.564329476	0
14101	CGI-100	228022_at	0.774597	2	1.562614379	0
15279	NLN	234762_x_at	0.774597	2	1.562079823	0
1696	SLC7A5	201195_s_at	0.774597	2	1.561828069	0

Right block:

ID	Gene	Probe					Value
15613	NDUFS1	236356_at	-0.7746	-2	2.581989	0	0.567369
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6466	MSX2	210319_x_at	-0.7746	-2	2.581989	0	0.567485
455	UGCGL2	1555561_a_at	-0.7746	-2	2.581989	0	0.568136
6739	MAP4K5	211081_s_at	-0.7746	-2	2.581989	0	0.568236
14245	TAF9L	228483_s_at	-0.7746	-2	2.581989	0	0.568297
4650	ANGPT1	205609_at	-0.7746	-2	2.581989	0	0.568374
10418	MOCOS	219959_at	-0.7746	-2	2.581989	0	0.568511
16238	SUGT1	244368_x_at	-0.7746	-2	2.581989	0	0.568734
4589	GSTT2	205439_at	-0.7746	-2	2.581989	0	0.569761
14560	CHD9	229586_at	-0.7746	-2	2.581989	0	0.569871
2780	TRIB2	202479_x_at	-0.7746	-2	2.581989	0	0.569991
11106	RNF126P1	222349_x_at	-0.7746	-2	2.581989	0	0.570047
8320	ABCB9	214209_s_at	-0.7746	-2	2.581989	0	0.570219
15454	ADCY3	235441_at	-0.7746	-2	2.581989	0	0.570367
13911	GNA13	227539_at	-0.7746	-2	2.581989	0	0.570768
14659	FALZ	230056_at	-0.7746	-2	2.581989	0	0.570882
16102	C6ORF56	242277_at	-0.7746	-2	2.581989	0	0.570972
9194	VPS24	217837_s_at	-0.7746	-2	2.581989	0	0.571082
7394	KIAA0256	212450_at	-0.7746	-2	2.581989	0	0.57115
16012	C4ORF12	241401_at	-0.7746	-2	2.581989	0	0.571225
10172	GRAMD1C	219313_at	-0.7746	-2	2.581989	0	0.571348
13090	PRICKLE2	225968_at	-0.7746	-2	2.581989	0	0.571628
3258	IMPA2	203126_at	-0.7746	-2	2.581989	0	0.571631
11426	FLJ10997	222851_at	-0.7746	-2	2.581989	0	0.572238
11908	ARL6	223735_at	-0.7746	-2	2.581989	0	0.572345
14119	MRPS22	228059_x_at	-0.7746	-2	2.581989	0	0.572594
16002	LOC157378	241342_at	-0.7746	-2	2.581989	0	0.572609
14896	KIAA1217	231807_at	-0.7746	-2	2.581989	0	0.572815
14859	SLC35D2	231437_at	-0.7746	-2	2.581989	0	0.572917
1272	RPS27	200741_s_at	-0.7746	-2	2.581989	0	0.572988
14130	PHF14	228095_at	-0.7746	-2	2.581989	0	0.573082
15538	CRLF3	235803_at	-0.7746	-2	2.581989	0	0.57319
5926	SLC39A8	209267_s_at	-0.7746	-2	2.581989	0	0.573763
15241	NYREN18	234332_at	-0.7746	-2	2.581989	0	0.573772
14834	PPP2R5E	231101_at	-0.7746	-2	2.581989	0	0.573881
4937	DNAJC4	206782_s_at	-0.7746	-2	2.581989	0	0.573959
11206	REPIN1	222501_s_at	-0.7746	-2	2.581989	0	0.573978
11382	MYEF2	222771_s_at	-0.7746	-2	2.581989	0	0.574494
10478	NUBPL	220176_at	-0.7746	-2	2.581989	0	0.574606
13296	C13ORF10	226316_at	-0.7746	-2	2.581989	0	0.574621
5030	DDR1	207169_x_at	-0.7746	-2	2.581989	0	0.574645
4389	MBNL2	205018_s_at	-0.7746	-2	2.581989	0	0.574672
11573	USP47	223119_at	-0.7746	-2	2.581989	0	0.574926
7859	MED8	213126_at	-0.7746	-2	2.581989	0	0.574961
9625	MED9	218372_at	-0.7746	-2	2.581989	0	0.57502
16359	KIAA0280	36612_at	-0.7746	-2	2.581989	0	0.575058
10599	GPHN	220773_s_at	-0.7746	-2	2.581989	0	0.575725
14449	PARP11	229138_at	-0.7746	-2	2.581989	0	0.575956
1932	JUN	201464_x_at	-0.7746	-2	2.581989	0	0.576129
134	TEAD1	1553322_s_at	-0.7746	-2	2.581989	0	0.576318
2715	SRF	202401_s_at	-0.7746	-2	2.581989	0	0.576817
2651	EHMT2	202326_at	-0.7746	-2	2.581989	0	0.576945
6311	BRAP	209922_at	-0.7746	-2	2.581989	0	0.577111
7690	PAQR4	212858_at	-0.7746	-2	2.581989	0	0.577129
8454	RIPK5	214663_at	-0.7746	-2	2.581989	0	0.577521
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10580	C10ORF110	220703_at	0.774597	2	2.581989	1.561152662	0
16234	KIAA1324L	244317_at	0.774597	2	2.581989	1.561001287	0
15301	LOC130589	234974_at	0.774597	2	2.581989	1.560790913	0
8112	GOLGIN-67	213850_at	0.774597	2	2.581989	1.560630652	0
5151	MUSK	207633_s_at	0.774597	2	2.581989	1.560471976	0
7388	RAI3	212444_at	0.774597	2	2.581989	1.559965716	0
5014	UGT1A1	207126_x_at	0.774597	2	2.581989	1.559067132	0
128	ZNF583	1553221_at	0.774597	2	2.581989	1.558382926	0
800	DYRK3	1560785_at	0.774597	2	2.581989	1.557754443	0
931	TROAP	1568596_a_at	0.774597	2	2.581989	1.557660911	0
6167	PLD2	209643_s_at	0.774597	2	2.581989	1.555542355	0
10433	MAN2A2	219999_at	0.774597	2	2.581989	1.555378486	0
29	ETV3	1553423_at	0.774597	2	2.581989	1.554559505	0
10678	APOL3	221087_s_at	0.774597	2	2.581989	1.554421379	0
15653	DKFZP564O186;	236808_at	0.774597	2	2.581989	1.553996339	0
5185	TPT1	207783_x_at	0.774597	2	2.581989	1.553212846	0
10606	SLC35E1	220796_x_at	0.774597	2	2.581989	1.552682183	0
192	C21ORF93	1553832_at	0.774597	2	2.581989	1.552533993	0
5157	TBX6	207684_at	0.774597	2	2.581989	1.551817957	0
3758	SMN1	203852_s_at	0.774597	2	2.581989	1.551143803	0
15756	FLJ21079	238469_at	0.774597	2	2.581989	1.550040559	0
8010	PRSS3	213421_x_at	0.774597	2	2.581989	1.550114416	0
4032	PMAIP1	204286_s_at	0.774597	2	2.581989	1.549707602	0
14565	SPTY2D1	229594_at	0.774597	2	2.581989	1.548529007	0
4131	OSTF1	204479_at	0.774597	2	2.581989	1.547832955	0
8182	PPP2R2B	213849_s_at	0.774597	2	2.581989	1.546141607	0
5216	ZFX	207920_x_at	0.774597	2	2.581989	1.545357977	0
11442	MGC3169	222896_at	0.774597	2	2.581989	1.545302777	0
6835	TTTY9	211460_at	0.774597	2	2.581989	1.545300879	0
15662	MGC50372	236941_at	0.774597	2	2.581989	1.544661404	0
6422	PSG1	210195_s_at	0.774597	2	2.581989	1.544197531	0
15985	TTN	240793_at	0.774597	2	2.581989	1.542784163	0
8676	GK2	215430_at	0.774597	2	2.581989	1.542617196	0
12160	TBC1D14	224622_at	0.774597	2	2.581989	1.541572196	0
15481	RBMS2	235558_at	0.774597	2	2.581989	1.540632256	0
4946	OXTR	206825_at	0.774597	2	2.581989	1.54040759	0
589	YEATS2	1557047_at	0.774597	2	2.581989	1.539967105	0
10396	ZSCAN5	219904_at	0.774597	2	2.581989	1.539317124	0
3710	BLVRA	203773_x_at	0.774597	2	2.581989	1.538349023	0
13242	IL7R	226218_at	0.774597	2	2.581989	1.537356786	0
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13643	GOLGA3	226949_at	0.774597	2	2.581989	1.535985394	0
15256	OR5I2	234521_at	0.774597	2	2.581989	1.535804702	0
8661	MYH15	215331_at	0.774597	2	2.581989	1.535230823	0
10258	C1ORF82	219504_s_at	0.774597	2	2.581989	1.534759358	0
942	CHERP	1568704_a_at	0.774597	2	2.581989	1.53465294	0
15352	FNBP4	235101_at	0.774597	2	2.581989	1.534437086	0
3496	SAT	203455_s_at	0.774597	2	2.581989	1.534109634	0
2322	DAF	201925_s_at	0.774597	2	2.581989	1.533715517	0
3169	AMOTL2	203002_at	0.774597	2	2.581989	1.533087241	0
11925	AFAP	223779_at	0.774597	2	2.581989	1.532570183	0
6232	MFAP5	209758_s_at	0.774597	2	2.581989	1.53222138	0
104	BCL2L11	1553088_a_at	0.774597	2	2.581989	1.532073094	0
4966	TAT	206916_x_at	0.774597	2	2.581989	1.532063739	0
13250	PAWR	226231_at	0.774597	2	2.581989	1.53136612	0
4271	GNAO1	204762_s_at	0.774597	2	2.581989	1.530895334	0
16263	LOC339933	244668_at	0.774597	2	2.581989	1.529168879	0

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12388	SLC41A3	224931_at	-0.7746	-2	2.581989	0.577839	0
8730	PRIM2A	215708_s_at	-0.7746	-2	2.581989	0.578228	0
9486	OXR1	218197_s_at	-0.7746	-2	2.581989	0.578294	0
8233	SUZ12	213971_s_at	-0.7746	-2	2.581989	0.578504	0
4816	RASA3	206220_s_at	-0.7746	-2	2.581989	0.578539	0
314	MBP	1554544_a_at	-0.7746	-2	2.581989	0.578597	0
16299	EZH1	32259_at	-0.7746	-2	2.581989	0.578807	0
2619	CDKN1A	202284_s_at	-0.7746	-2	2.581989	0.578906	0
13863	KIAA2018	227433_at	-0.7746	-2	2.581989	0.579564	0
14331	FLJ13611	228745_at	-0.7746	-2	2.581989	0.579634	0
1238	LITAF	200704_at	-0.7746	-2	2.581989	0.579768	0
3114	PLAGL2	202925_s_at	-0.7746	-2	2.581989	0.579834	0
79	TLOC1	1552790_a_at	-0.7746	-2	2.581989	0.57995	0
8361	NOV	214321_at	-0.7746	-2	2.581989	0.580398	0
15951	BTF	239897_at	-0.7746	-2	2.581989	0.580413	0
14224	PDCD2	228420_at	-0.7746	-2	2.581989	0.580531	0
16176	HCG18	242812_at	-0.7746	-2	2.581989	0.580824	0
5978	IKBKB	209342_s_at	-0.7746	-2	2.581989	0.580955	0
2581	NNMT	202238_s_at	-0.7746	-2	2.581989	0.581055	0
11129	PNRC2	222406_s_at	-0.7746	-2	2.581989	0.581082	0
3977	RNGTT	204208_at	-0.7746	-2	2.581989	0.581104	0
1982	NCBP2	201521_s_at	-0.7746	-2	2.581989	0.581258	0
3161	ARNT2	202986_at	-0.7746	-2	2.581989	0.581616	0
5118	P4HA1	207543_s_at	-0.7746	-2	2.581989	0.581704	0
7990	RPS12	213377_x_at	-0.7746	-2	2.581989	0.58175	0
5171	SPAST	207724_s_at	-0.7746	-2	2.581989	0.581767	0
11158	VPS24	222437_s_at	-0.7746	-2	2.581989	0.581817	0
13490	PANK1	226649_at	-0.7746	-2	2.581989	0.581953	0
7406	C14ORF154	212465_at	-0.7746	-2	2.581989	0.58203	0
12241	MIB1	224722_at	-0.7746	-2	2.581989	0.582075	0
12424	C6ORF89	224977_at	-0.7746	-2	2.581989	0.582185	0
15398	DYX1C1	235273_at	-0.7746	-2	2.581989	0.582317	0
15670	SPTBN5	237097_at	-0.7746	-2	2.581989	0.58264	0
10956	EVI1	221884_at	-0.7746	-2	2.581989	0.583002	0
989	TTC3	1569472_s_at	-0.7746	-2	2.581989	0.583213	0
566	KIAA0090	1556186_s_at	-0.7746	-2	2.581989	0.583303	0
8324	ALMS1	214220_s_at	-0.7746	-2	2.581989	0.584061	0
2037	TXNDC13	201581_at	-0.7746	-2	2.581989	0.584239	0
6632	COQ7	210820_x_at	-0.7746	-2	2.581989	0.584579	0
12130	NUCKS	224581_s_at	-0.7746	-2	2.581989	0.584729	0
13937	ZMYM6	227594_at	-0.7746	-2	2.581989	0.584737	0
12867	LOC286144	225603_s_at	-0.7746	-2	2.581989	0.584768	0
10844	RERE	221643_s_at	-0.7746	-2	2.581989	0.58483	0
3424	ETV5	203348_s_at	-0.7746	-2	2.581989	0.585316	0
8398	CDC42BPA	214464_at	-0.7746	-2	2.581989	0.586113	0
2960	TMEM63A	202700_s_at	-0.7746	-2	2.581989	0.58628	0
3808	ARG2	203946_s_at	-0.7746	-2	2.581989	0.586524	0
1933	JUN	201466_s_at	-0.7746	-2	2.581989	0.586631	0
5476	RAB2	208732_at	-0.7746	-2	2.581989	0.58705	0
13077	RASSF8	225946_at	-0.7746	-2	2.581989	0.587302	0
95	TNRC5	1552977_a_at	-0.7746	-2	2.581989	0.587411	0
5355	PTMAP7	208549_x_at	-0.7746	-2	2.581989	0.587447	0
9981	FBXL15	218938_at	-0.7746	-2	2.581989	0.588263	0
6931	PTN	211737_x_at	-0.7746	-2	2.581989	0.588304	0
11168	TMEPAI	222449_at	-0.7746	-2	2.581989	0.588317	0
10382	LY6G5C	219860_at	-0.7746	-2	2.581989	0.588386	0
14779	RNF182	230720_at	-0.7746	-2	2.581989	0.588695	0

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6111	AKAP13	209534_x_at	0.774597	2	1.528828979	0
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858	TREML4	1564052_at	0.774597	2	1.527351436	0
5036	CASP7	207181_s_at	0.774597	2	1.527153248	0
4077	F3	204363_at	0.774597	2	1.527127844	0
16089	LOC256112	242208_at	0.774597	2	1.526902569	0
15421	LOC144871	235341_at	0.774597	2	1.526194809	0
15217	ZNF295	233952_s_at	0.774597	2	1.526072815	0
14825	HRASLS5	231050_at	0.774597	2	1.526005888	0
4462	CLTB	205172_x_at	0.774597	2	1.525728456	0
848	FHAD1	1563639_a_at	0.774597	2	1.524111675	0
8478	ALMS1	214707_x_at	0.774597	2	1.523942352	0
16168	ZNF420	242761_s_at	0.774597	2	1.523602821	0
14002	CLIC6	227742_at	0.774597	2	1.523051847	0
179	RHEBL1	1553713_a_at	0.774597	2	1.522760918	0
10390	KCNK4	219883_at	0.774597	2	1.522395571	0
5168	PKP2	207717_s_at	0.774597	2	1.521441268	0
10652	GPR63	220993_s_at	0.774597	2	1.520366133	0
4698	C16ORF7	205781_at	0.774597	2	1.519633894	0
13156	MITF	226066_at	0.774597	2	1.5187732	0
13551	IFIT2	226757_at	0.774597	2	1.518495982	0
13662	C21ORF86	226995_at	0.774597	2	1.51788771	0
13918	C9ORF77	227551_at	0.774597	2	1.516928576	0
3870	EDG2	204037_at	0.774597	2	1.516568391	0
4290	TRIM21	204804_at	0.774597	2	1.516410816	0
161	C14ORF49	1553644_at	0.774597	2	1.516007905	0
10977	THRAP5	221938_x_at	0.774597	2	1.515534226	0
2635	FEZ2	202305_s_at	0.774597	2	1.514574458	0
15411	ECHDC2	235305_s_at	0.774597	2	1.514473947	0
4766	NR2C2	206038_s_at	0.774597	2	1.51293847	0
894	SLC5A11	1565880_at	0.774597	2	1.5118411	0
166	LRRC44	1553674_at	0.774597	2	1.511665762	0
14480	DKFZP434E231	229298_at	0.774597	2	1.511207336	0
9530	MID1IP1	218251_at	0.774597	2	1.510865439	0
10272	GEMIN6	219539_at	0.774597	2	1.510044214	0
15941	RNF40	239801_at	0.774597	2	1.508487459	0
11999	TRIM4	224159_x_at	0.774597	2	1.508479584	0
12112	MALAT1	224558_s_at	0.774597	2	1.507821553	0
15245	ZNF124	234394_at	0.774597	2	1.506792919	0
10440	STYK1	220030_at	0.774597	2	1.506677629	0
13787	HPS3	227253_at	0.774597	2	1.506619145	0
10064	IPPK	219092_s_at	0.774597	2	1.505744317	0
7942	COL6A2	213290_at	0.774597	2	1.50447696	0
7574	PLEKHM1	212700_x_at	0.774597	2	1.503370787	0
15465	CPEB2	235479_at	0.774597	2	1.503306727	0
704	CLG	1558407_at	0.774597	2	1.501508222	0
264	C6ORF141	1554314_at	0.774597	2	1.501491054	0
9550	WDR74	218278_at	0.774597	2	1.501110618	0
11058	FGFR1	222164_at	0.774597	2	1.500626305	0
3785	RCP9	203898_at	0.774597	2	1.500508647	0
15510	ENSA	235679_at	0.774597	2	1.500388414	0
11373	ARRB1	222756_s_at	0.774597	2	1.500367269	0
3624	FDX1	203646_at	0.774597	2	1.500046261	0

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15587	HOOK3	236192_at	-0.7746	2.581989	0.588786	0
9790	HECA	218603_at	-0.7746	2.581989	0.588865	0
16523	MARK4	55065_at	-0.7746	2.581989	0.588901	0
15381	FBXW2	235195_at	-0.7746	2.581989	0.588975	0
11091	KIAA1387	222270_at	-0.7746	2.581989	0.588997	0
8896	BRCC3	216521_s_at	-0.7746	2.581989	0.589868	0
3239	RAPGEF2	203096_s_at	-0.7746	2.581989	0.5901	0
13015	TEF	225840_at	-0.7746	2.581989	0.590436	0
16031	MGC33382	241733_at	-0.7746	2.581989	0.590645	0
14920	LOC144501	231849_at	-0.7746	2.581989	0.591002	0
5842	RXRB	209148_at	-0.7746	2.581989	0.591202	0
15367	C4ORF13	235143_at	-0.7746	2.581989	0.591348	0
6319	RIPK1	209941_at	-0.7746	2.581989	0.591483	0
967	ZNF642	1569107_s_at	-0.7746	2.581989	0.591514	0
11919	KBTBD4	223765_s_at	-0.7746	2.581989	0.591542	0
12588	MTRF1L	225206_s_at	-0.7746	2.581989	0.591546	0
1065	RPS11	200031_s_at	-0.7746	2.581989	0.591584	0
133	C6ORF151	1553274_a_at	-0.7746	2.581989	0.591809	0
78	TLOC1	1552789_at	-0.7746	2.581989	0.592417	0
3003	GPC1	202756_s_at	-0.7746	2.581989	0.592557	0
1356	PLOD1	200827_at	-0.7746	2.581989	0.592616	0
3597	ZFHX1B	203603_s_at	-0.7746	2.581989	0.592737	0
3766	USP46	203869_at	-0.7746	2.581989	0.592966	0
8166	ABHD5	213805_at	-0.7746	2.581989	0.593305	0
2014	VAMP2	201556_s_at	-0.7746	2.581989	0.593362	0
7218	OPA1	212214_at	-0.7746	2.581989	0.593365	0
16052	CAMK4	241871_at	-0.7746	2.581989	0.59361	0
11889	NUCKS	223661_at	-0.7746	2.581989	0.593658	0
15731	RPS6	238156_at	-0.7746	2.581989	0.593705	0
294	DNAJC14	1554451_s_at	-0.7746	2.581989	0.5938	0
10836	TAF9L	221618_at	-0.7746	2.581989	0.594003	0
7032	COL4A1	211980_at	-0.7746	2.581989	0.594263	0
15293	FAM54A	234944_s_at	-0.7746	2.581989	0.594313	0
778	MDFIC	1559942_at	-0.7746	2.581989	0.594592	0
15442	PGBD1	235411_at	-0.7746	2.581989	0.59486	0
8443	NRP2	214632_at	-0.7746	2.581989	0.594885	0
14718	C16ORF46	230281_at	-0.7746	2.581989	0.595424	0
14451	CNOT3	229143_at	-0.7746	2.581989	0.595628	0
12748	EPC1	225417_at	-0.7746	2.581989	0.595786	0
8948	RRN3	216902_s_at	-0.7746	2.581989	0.596257	0
4153	DPH2	204514_at	-0.7746	2.581989	0.59626	0
14118	TMEM44	228054_at	-0.7746	2.581989	0.596466	0
6381	IGFBP3	210095_s_at	-0.7746	2.581989	0.596573	0
15560	MLR1	235970_at	-0.7746	2.581989	0.596804	0
13722	FOXP4	227120_at	-0.7746	2.581989	0.597148	0
3952	BTD	204167_at	-0.7746	2.581989	0.597439	0
3878	PTEN	204054_at	-0.7746	2.581989	0.598047	0
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8065	SLC18A2	213549_at	-0.7746	2.581989	0.598397	0
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4490 PAFAH2	205232_s_at	-0.7746	-2	2.581989	0.600071	0
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11778 GPR160	223423_at	-0.7746	-2	2.581989	0.600679	0
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8905	KIAA0874	216550_x_at	-0.7746	2.581989	-2	0.608993	0
12207	FBXO18	224683_at	-0.7746	2.581989	-2	0.609057	0
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7447	KIAA0146	212523_s_at	-0.7746	2.581989	-2	0.609694	0
4463	CD58	205173_x_at	-0.7746	2.581989	-2	0.609701	0
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16597	EHBP1L1	91703_at	-0.7746	2.581989	-2	0.609981	0
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7380	RPS2	212433_x_at	-0.7746	2.581989	-2	0.617091	0
5333	LRP8	208433_s_at	-0.7746	2.581989	-2	0.617109	0
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72	ST7L	1552738_a_at	-0.7746	2.581989	-2	0	0.62391
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65	CASC5	1552682_a_at	-0.7746	-2	2.581989	0	0.625651
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6542	TNPO2	210585_s_at	-0.7746	-2	2.581989	0	0.626311
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804	DPY19L1	1560916_a_at	-0.7746	-2	2.581989	0	0.627944
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15842	KIAA0974	238859_at	-0.7746	-2	2.581989	0	0.628205
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7489	RPS17	212578_x_at	-0.7746	-2	2.581989	0	0.628613
8882	TRA1	216449_x_at	-0.7746	-2	2.581989	0	0.628796
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3800	HLA-DMB	203932_at	-0.7746	-2	2.581989	0	0.629208
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11827	CENPJ	223513_at	-0.7746	-2	2.581989	0	0.62925
4201	PKIA	204612_at	-0.7746	-2	2.581989	0	0.629293
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15611	PPM1E	236302_at	-0.7746	2.581989	-2	0.66005	0
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431	ASAH1	1555419_a_at	-0.7746	2.581989	-2	0.660468	0
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89	PDE8A	1552931_a_at	-0.7746	2.581989	-2	0.661163	0
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1026	ATG10	1570523_s_at	-0.7746	2.581989	-2	0.662109	0
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14512	TBN	229412_at	-0.7746	2.581989	-2	0.662988	0
5042	ZNF643	207219_at	-0.7746	2.581989	-2	0.663346	0
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11558	ADPRHL2	223097_at	-0.7746	2.581989	-2	0.66342	0
15498	LOC91801	235610_at	-0.7746	2.581989	-2	0.663434	0
274	MYCPBP	1554352_s_at	-0.7746	2.581989	-2	0.663557	0
11484	F11R	223000_s_at	-0.7746	2.581989	-2	0.663675	0
14273	DKFZP762A217	228574_at	-0.7746	2.581989	-2	0.66399	0
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5918	CSPG6	209257_s_at	-0.7746	2.581989	-2	0.665626	0
12696	FUSIP1	225348_at	-0.7746	2.581989	-2	0.665672	0
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8702	DDAH2	215537_x_at	-0.7746	2.581989	-2	0.665707	0
3886	CHST10	204065_at	-0.7746	2.581989	-2	0.665855	0
7688	DCUN1D4	212855_at	-0.7746	2.581989	-2	0.665879	0
462	MBNL1	1555594_a_at	-0.7746	2.581989	-2	0.665964	0
8957	KIF22	216969_s_at	-0.7746	2.581989	-2	0.666459	0

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