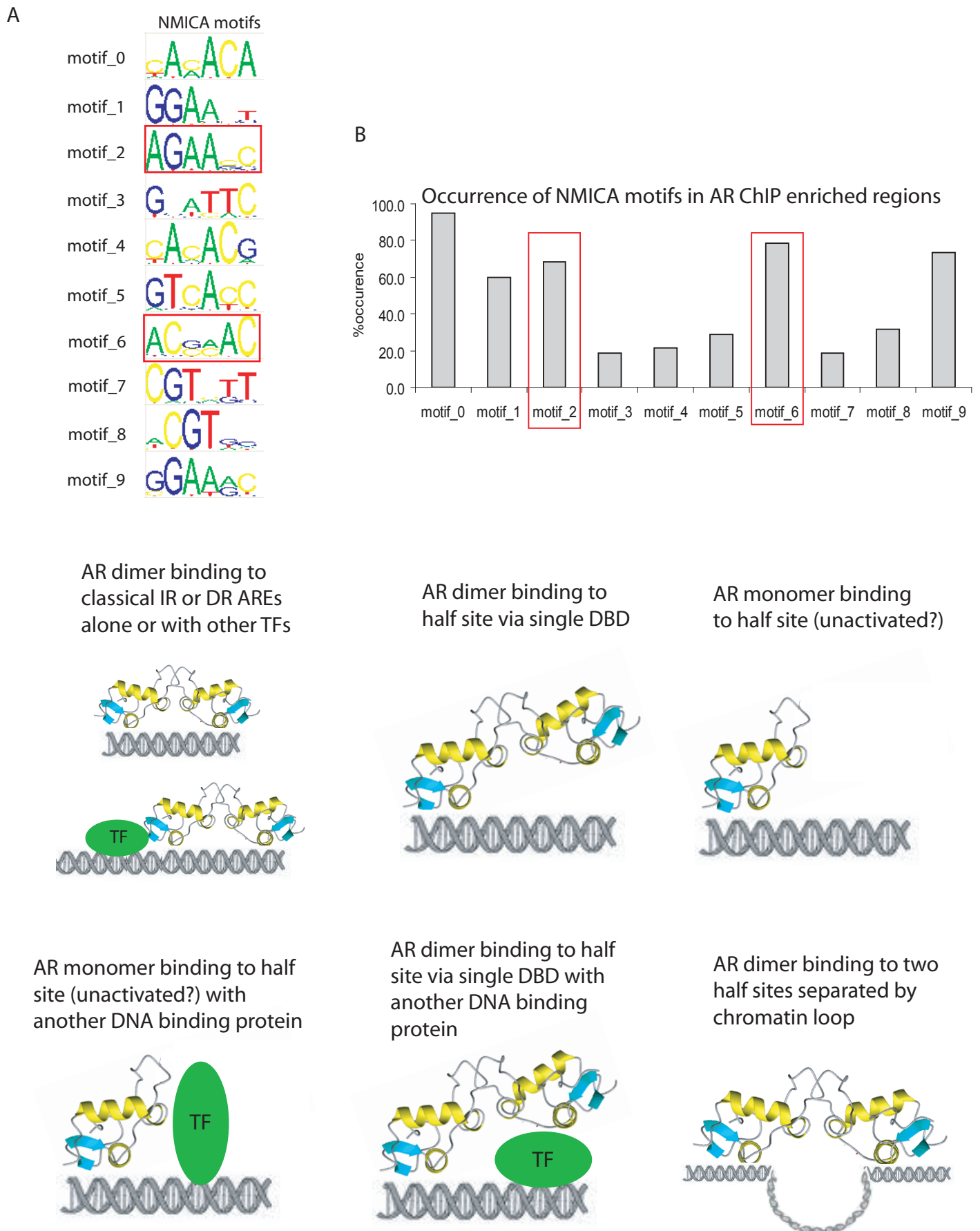
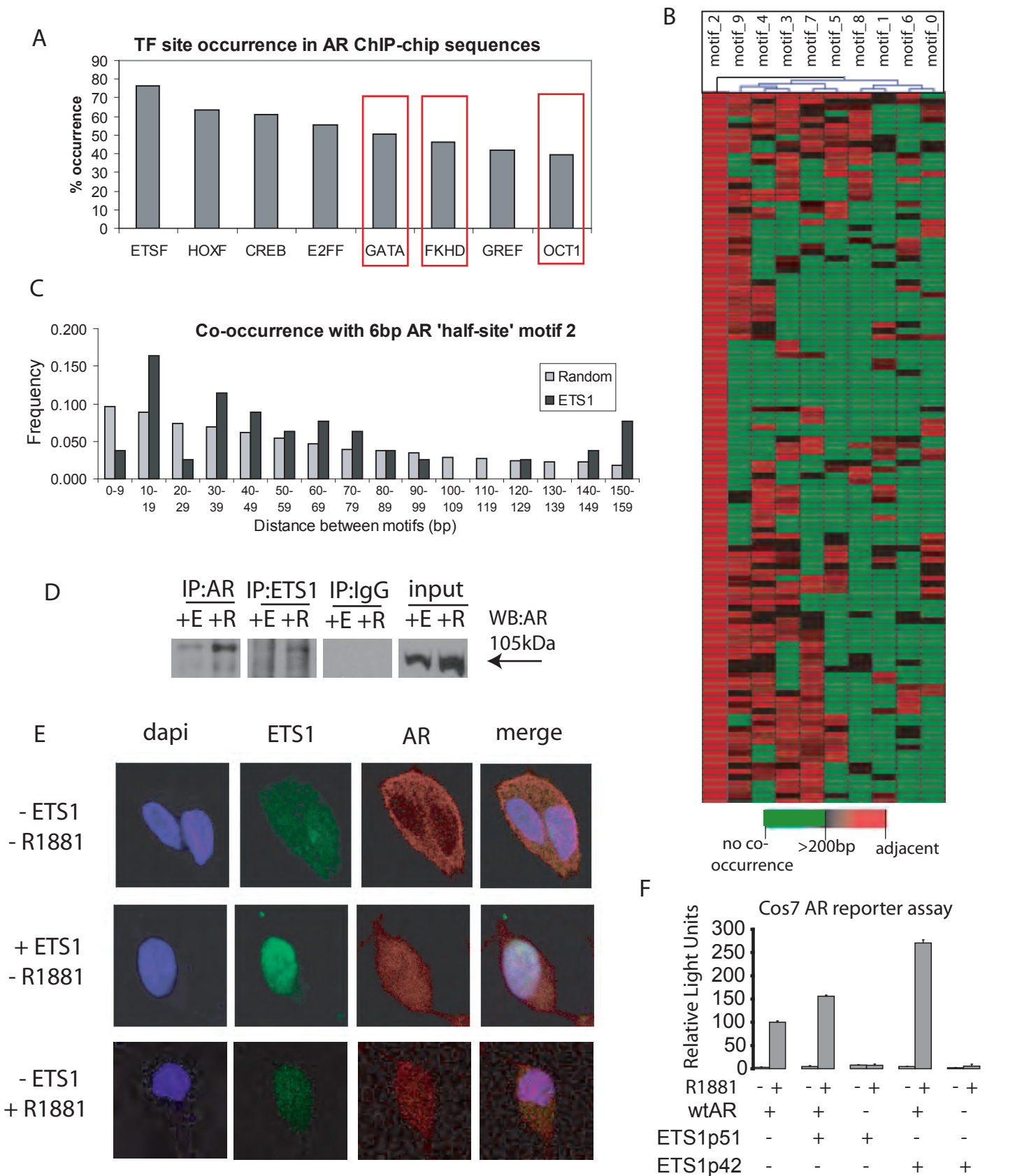


## Supplementary Figures



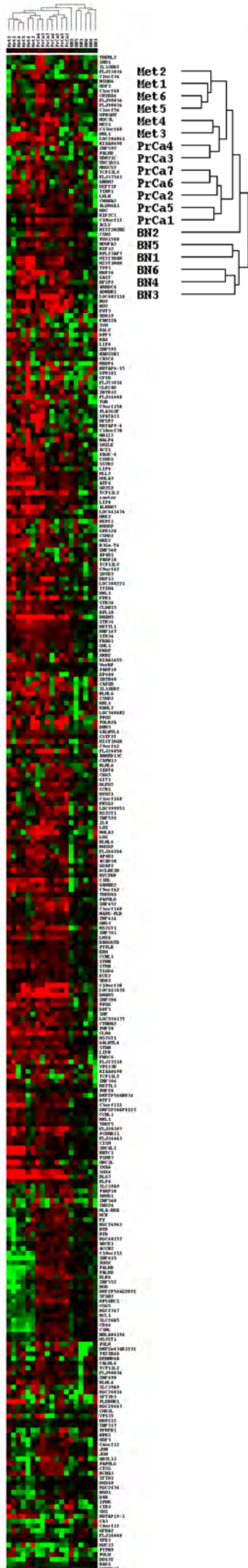
**Supplementary Figure1** (A) Sequence logos of the ten most enriched 6bp sequences in AR ChIP-chip enriched sequences. (B) Percentage occurrence of NMICA sequence motifs in the AR ChIP-chip enriched sequences. (C) Models for AR binding to 6bp 'half-sites' found in AR ChIP-chip enriched promoter regions. AR structure from <http://www.pdb.org/pdb/explore/images.do?structureId=1R4I>. TF, transcription factor (e.g., ETS1, OCT1, FOXA1).



**Supplementary Figure 2** ETS1 transcription factor association with the AR (A) Transcription factor (TF) binding site analysis of AR ChIP enriched sequences, using the Genomatrix MatBase software. Red boxed indicate motifs recognised by TFs known to interact with the AR. Glucocorticoid response element factors (GREF) motifs include the 15bp ARE. (B) NestedMICA motif co-occurrence heatmap, showing AR enriched sequences containing the motif\_2 sequence. Co-occurring motifs with adjacent positions are indicated by full red, motifs >200bp apart are in black and an absence of co-occurrence is in green. (C) Distance plots for random 6bp sequences and the ETS-like motif 9 with the AR 6bp 'half-site' motif 2. (D) AR Western Blot of co-immunoprecipitation using AR (N20), ETS1 (C20) control IgG antibodies. (E) Confocal microscopy images of LNCaP cells grown in steroid depleted media for 48hr. Cells were treated with R1881 and transfected with an ETS1 expression construct as indicated. (F) AR reporter assay in COS7 cells transfected with AR, full length ETS1 and a short ETS1 isoform lacking the auto-regulatory domain, with androgen or vehicle treatment.

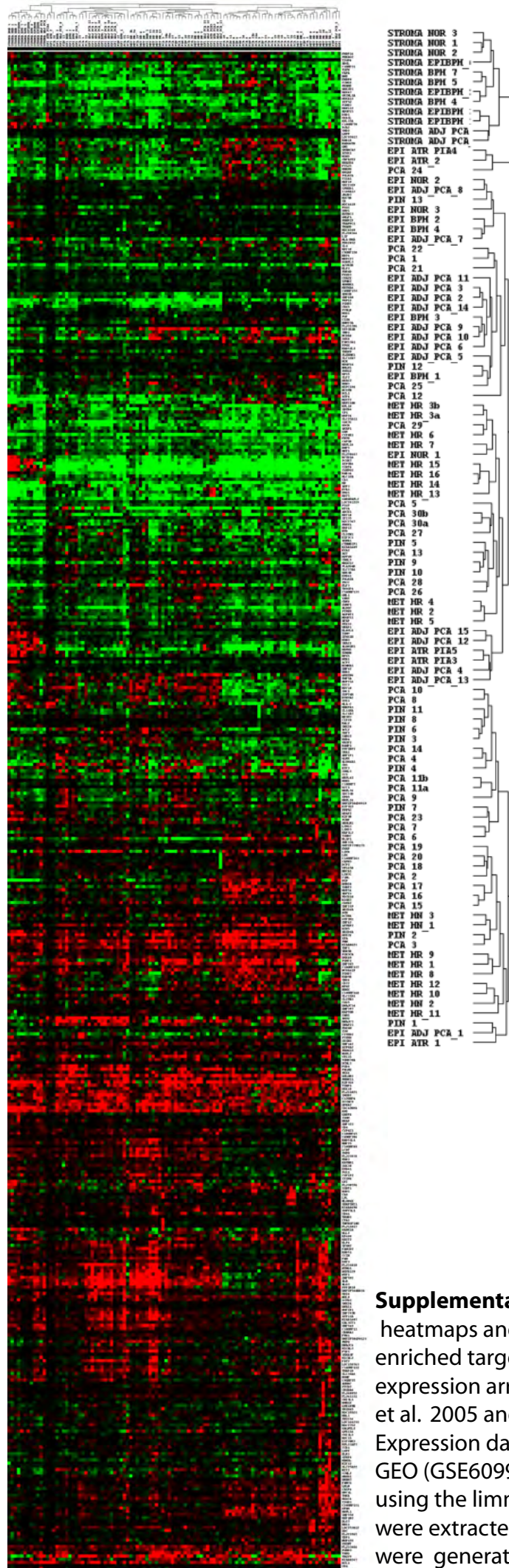


A



Varambally,  
et al 2005

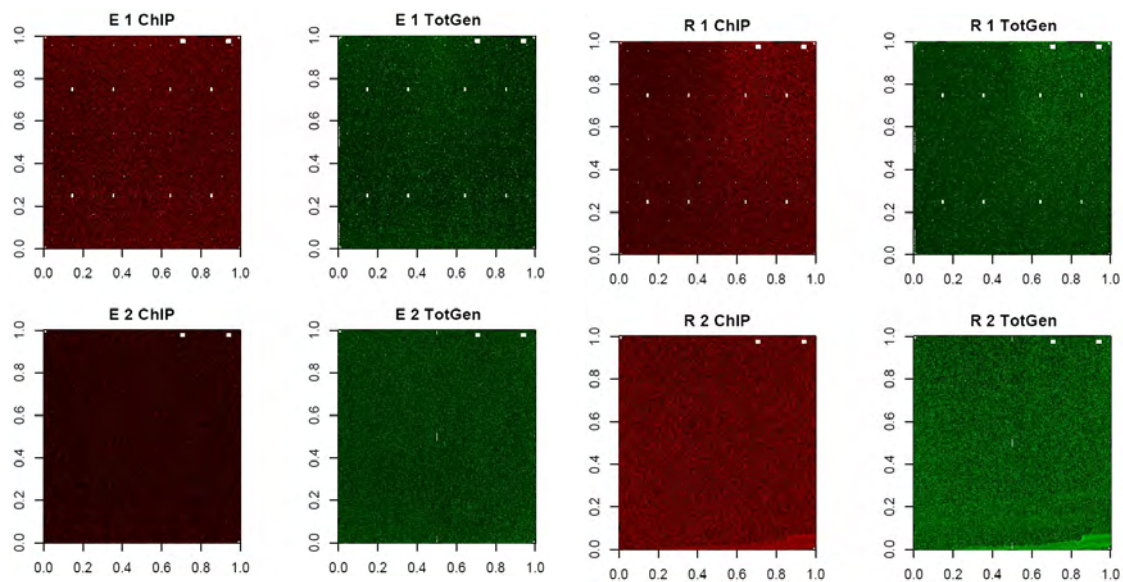
B



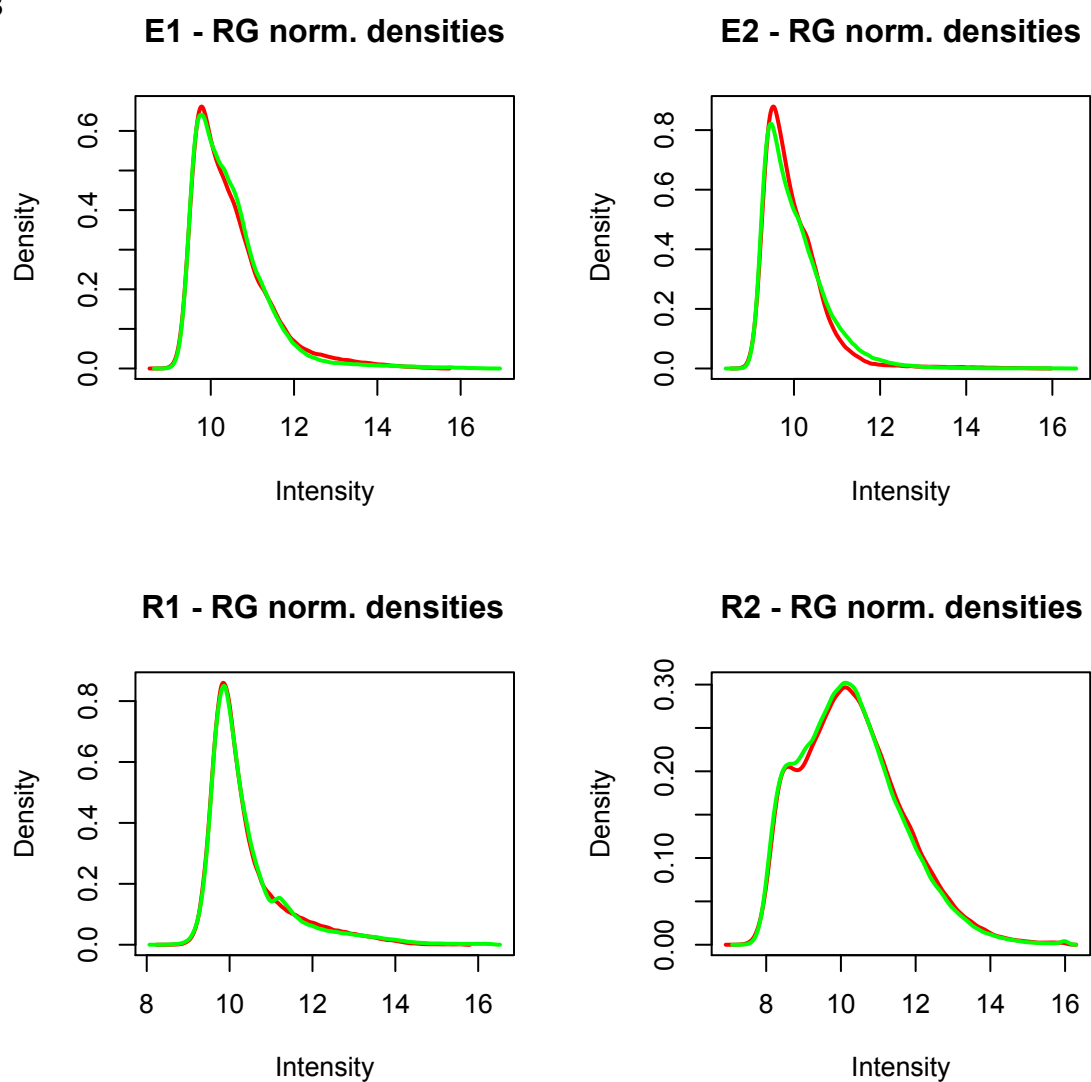
Tomlins, et al 2007

**Supplementary Figure 3** Gene expression heatmaps and clustering of AR ChIP-chip enriched targets from two publicly available expression array data sets (A) Varambally, et al. 2005 and (B) Tomlins, et al. 2007. Expression data were retrieved from NCBI GEO (GSE6099 and GSE6099), preprocessed using the limma package in R and M-values were extracted. Clustering and Heatmaps were generated using Cluster and TreeView.

A



B



**Supplementary Figure 4** Quality plots for AR ChIP arrays. (A) Image plots of arrays, showing pseudo-images of red and green channels for R1881 (R1 and R2) and ethanol (E1 and E2) AR ChIP and total genomic DNA samples. (B) Density plots following loess within array normalization, showing corrected (ie, overlapping) signals from red and green channels.



## ***Supplementary Methods***

### *Chromatin immunoprecipitation*

Ten million LNCaP cells were used in each chromatin immunoprecipitation (ChIP) reaction. Formaldehyde was added to cell culture media to give a final concentration of 1%, followed by incubation at 37°C for 10min to cross-link DNA-protein interactions. Cells were washed twice with ice cold 1x PBS supplemented with protease inhibitor cocktail (Complete, Roche). Cells were harvested by scraping, centrifuged at 500xG for 3min and resuspended in 1ml ChIP lysis buffer (1% SDS, 10mM EDTA, 50mM Tris pH8, 1x Complete protease inhibitors [Roche]). Lysates were sonicated using a VibraCell sonicator 4x 15 second pulses on ice at 50% maximum output, to reduce chromatin fragments to 500bp-1kb in size. Lysates were centrifuged for 10min at 16000xG to remove insoluble cell debris and 0.5ml of ChIP dilution solution was added (25mM Tris pH8, 140mM NaCl, 1% Triton X-100, 0.1% SDS, 3mM EDTA, 1x Complete protease inhibitors [Roche]). Lysates were incubated with 50ul protein-A/G sepharose beads (Santa Cruz) for 1hr at 4°C, centrifuged at 500G for 3mins, before incubating the resulting supernatant with 5µg of anti-AR antibody for 16hr at 4°C with gentle agitation. Eighty microliters of protein-A/G sepharose beads were added, followed by incubation at 4°C for 1hr with gentle agitation. Samples were centrifuged for 3min at 5,000xG to precipitate bead-bound complexes and beads were washed for 5min in each of the following buffers: TSE buffer I (0.1% SDS, 1% Triton X-100, 2mM EDTA, 20mM Tris pH8, 150mM NaCl), TSE buffer II (0.1% SDS, 1% Triton X-100, 2mM EDTA, 20mM Tris pH8, 200mM NaCl), Buffer III (0.25M LiCl, 1% Np40, 1% sodium deoxycholate, 1mM EDTA, 10mM tris pH8) and two washes in TE pH8 (10mM Tris pH8, 1mM EDTA). DNA-protein complexes were eluted from beads using 250µl of 1% SDS, 0.1M NaHCO<sub>3</sub> at room temperature for 15min, elution was repeated to give a 500µl final volume. Formaldehyde cross-links were reversed by adding 16µl of 5M NaCl to the combined eluates and incubation at 65°C for 4hrs. Proteins were digested by adding 10µl of 0.5M EDTA, 20µl of 1M Tris pH 6.7 and 2µl 20mg/ml Proteinase-K and incubation at 45°C for 1hr. DNA was isolated by phenol chloroform extraction and resuspended in 30µl of ultra-pure water.

### *ChIP-on-chip arrays*

AR ChIP DNA and total input DNA were amplified by limited cycle, linker mediated PCR for use in ChIP-on-chip array experiments, as previously described (Oberley et al., 2003). Sample labelling and ChIP-on-chip hybridisations were carried out by Nimblegen Systems, using 1.5kb Nimblegen promoter arrays (HGS17\_min\_promoter). These arrays contain 24,134 gene promoters, consisting of 1,500bp of genomic sequence per promoter, at ~100bp resolution. Biological replicate AR ChIP-on-chip hybridizations were carried out for LNCaP cells stimulated for 1hr with the synthetic androgen R1881 or ethanol (vehicle). Each AR-ChIP sample was co-hybridized with labeled total genomic DNA as the common reference sample. Raw data from '.pair' output files were preprocessed in the R software environment (v2.3.1; <http://www.r-project.org>), using the *limma* package (v2.7.5) (Gentleman et al., 2004; R\_Development\_Core\_Team, 2006; Smyth, 2004). AR enriched regions were identified in the AR ChIP-on-chip data using signal intensity, reproducibility and probe coverage thresholds (see below for detailed description of analysis).

### *Raw data analysis*

Raw probe data were taken from Nimblegen '.pair' output files and preprocessed in the R software environment (version 2.3.1; <http://www.r-project.org>), using the *limma* package (version 2.7.5) (Gentleman et al., 2004; Smyth, 2004). Array images were generated to assess the quality of the hybridisations and signal intensity distribution plots were used in quality assessment and no major source of bias was detected (**Supplementary Figure 4**). Within array normalization was performed, applying the loess normalization method (Smyth and Speed, 2003).

### *Scoring*

M-values were calculated for each probe on the array, as log<sub>2</sub> ratios of intensity ( $M = \log_2(\text{AR-ChIP} / \text{total genomic DNA})$ ). Scores for differential signal ( $S_0$ ) were computed by subtracting the sum of M-values from vehicle AR-ChIP-chip hybridizations ( $ME$ ) from the sum of M-values from R1881 (MR) AR-ChIP-chip hybridizations ( $S_0 = MR1 + MR2 - ME1 - ME2$ ). The Wilcoxon rank-sum test was applied to the M-values ( $MR1$ ,  $MR2$ ,  $ME1$ ,  $ME2$ ) to generate a p-value for the difference between R1881 and vehicle AR ChIP-on-chip hybridizations. Wilcoxon scores were calculated using the -logarithm of the p-value ( $-\log_{10}[\text{Wilcoxon p-value}]$ ).

### *Windowing*

Pre-normalized and scored probe data from biological replicate R1881 stimulated and vehicle control AR ChIP-on-chip experiments were analyzed using a sliding window approach. Average scores ( $S_0$ ), Wilcoxon scores ( $p$ ) and probe coverage were determined for 250bp windows over the human genome at 50bp (probe length) intervals.

### *Peak finding*

Peaks in the AR ChIP-on-chip data were identified using raw probe intensity scores and windowed data. We chose stringent and conservative criteria for the identification of AR enriched genomic regions. Due to the occurrence of repeat sequences at promoter regions probe coverage was not equal at each of the promoters on the array. Therefore, to ensure the significance of the windowed data, we filtered the 250bp windows excluding those windows in which >4 probes contributed to the average signal. The criteria used to define AR binding sites consisted of an average intensity ( $S_0$ )  $\geq 2$  and Wilcoxon score ( $p$ )  $\geq 2$  (equivalent to a Wilcoxon p-value  $\leq 0.01$ ) for each 250bp window. These parameters were determined empirically using the known AR target sites in the KLK2 and KLK3 genes promoters, together with known negative sites in the promoters of the PTMA, CARHSP1 and HAP1 genes (as determined by AR-ChIP and Realtime PCR, data not shown). Using these criteria we identified 1532 androgen enriched promoter binding sites for the AR.

### *Comparisons with gene expression meta-analysis*

Gene accession numbers were retrieved using the DAVID bioinformatics resource (Dennis et al., 2003) for genes associated with the 1,532 AR bound promoter regions identified by ChIP-on-chip analysis. These gene identifiers were used to interrogate gene lists from a previously published meta-analysis of six separate gene expression studies, which identified androgen regulated genes in the LNCaP cell line (Velasco et al., 2004). Concordance between the separate expression array data sets was

previously reported to be low, with only 11% of the comparable androgen induced gene expression changes being identified in more than one data set (Velasco et al., 2004). However, 13 of the 15 known AR target genes from Supplementary Table 2 were correctly identified in at least one of the six expression data sets, suggesting that direct AR target genes could be successfully detected by combining these expression data sets. We identified 92 genes which were enriched by AR ChIP-on-chip and were also present in one or more expression data sets, equal to 7% of the comparable set (**Supplementary Table 3**).

#### *Functional annotation of AR ChIP-chip target genes*

Gene Ontology analysis were performed using the web based tools DAVID (<http://david.abcc.ncifcrf.gov/>) and GOMiner (<http://discover.nci.nih.gov/gominer/>) with default settings. The expression of AR targets in Normal prostate were retrieved from the Oncogenomics Normal Tissue Database (<http://ntddb.abcc.ncifcrf.gov/cgi-bin/nltissue.pl>). Gene lists from published expression array analysis using the LNCaP cell line were retrieved to identify the overlap with gene identified by AR ChIP-chip (Haag et al., 2005; Holzbeierlein et al., 2004; Velasco et al., 2004). Raw data from expression array analysis of clinical PrCa samples were retrieved for Gene Expression Omnibus datasets GSE6099 and GSE3325. Data were pre-processed using the limma package in the R statistical software (background correction method="normexp", offset=50 and using Loess within array normalisation), before extracting M-values which were used in cross-comparisons with the AR ChIP-chip gene lists (Smyth, 2005). Heat-maps and clustering were performed for all overlapping genes (Supplementary Figure 3) and for subsets of the AR ChIP-chip targets (Figure 2) using TreeView and Cluster (<http://rana.lbl.gov/EisenSoftware.htm>).

#### *Sequence analysis*

Sequences underlying AR ChIP-on-chip 'peaks' were retrieved from the UCSC Genome Browser (<http://genome.ucsc.edu/>), using the genomic co-ordinates taken from Nimblegen GFF files.

#### *Motif finding with Nested Mica*

To identify conserved sequences in the AR enriched regions we selected a subset of AR ChIP-on-chip peaks with individual probe S0 intensities > 3 and 250bp window average intensity >2 (**Supplementary Table 5**). These high scoring regions were subjected to a motif recognition approach. In total 225 unique sequences, comprising a total of 122kb, were used as input for the Nested Mica motif finding software (v0.7.2) (Down and Hubbard, 2005). The largest individual sequence length was adjusted to 700bp, any larger enriched regions were split into separate sequences, as required. We searched for the 10 most commonly identified 15mers, 10mers, 8mers and 6mers in the search set. The current consensus AR binding sequence is 15bp, however, Nested Mica results for 15mer searches revealed infrequent and degenerate sequence motifs, prompting the shorter motif searches. In contrast, several frequently occurring and highly constrained motifs were present among the Nested Mica searches for enriched 6mer motifs. Several of these motifs showed significant similarities with known transcription factor motifs using the COMPARE option in the JASPAR database, including 6bp AR 'half-sites' and the ETS transcription factor family binding sequences (Sandelin et al., 2004).

### *Motif searches*

Searches for AR, ETS1 and the conserved 6bp NestedMICA motifs were performed on the full set of 1532 AR promoter candidates using motifscanner in the NestedMICA software (position weight matrices shown in **Supplementary Table 6**). Sequence motif 'logos' were generated using Motif Explorer (<http://www.sanger.ac.uk/Software/analysis/nmica/mxt.shtml>).

### *Oligo-pulldown*

Oligonucleotide pull-down assays were performed as previously described (Hata et al., 2000). Briefly,  $5 \times 10^6$  LNCaP cells for each oligo pull-down reaction were lysed by sonication in HKMG buffer (10mM HEPES, 100mM KCl, 5mM MgCl<sub>2</sub>, 10% glycerol, 1mM DTT, 0.5% NP40) supplemented with 5nM ZnCl<sub>2</sub> and cell debris was removed by centrifugation. Biotinylated oligonucleotides corresponding to the sense and antisense strands of the 15bp ARE in the KLK2 promoter and the 6bp AR 'half-site' in the UNQ9419 promoter (**Fig3E**) were annealed, 1 $\mu$ g of annealed oligos were pre-bound to streptavidin coated magnetic beads (Promega), supplemented with 50 $\mu$ g of yeast tRNA and incubated with LNCaP cell lysates for 4hr at 4°C. Magnetic beads were then washed 4 times in HKMG buffer, before separation on an SDS-polyacrylamide gel and Western blotting for the AR (AR-N20, Santa Cruz).

### *Immunofluorescence*

LNCaP cells were grown on coverslips in phenol-red free RPMI supplemented with 10% charcoal stripped FBS for 48hr and treated with 10<sup>-9</sup>M R1881 (synthetic androgen) or an equal volume of ethanol for 1hr. LNCaP cells were transfected using GeneJuice (Novogen) with pSuper.Retro-scrambled control, pSuper.Retro-ETS1 (with ETS1 specific insert: GATCCCCGATATGGAATGTGCAGATGTTCAAGAGACA-TCTGCACATTCCATATCTTTTGGAAA), pSG5 empty vector, GFP-AR or pSG5-ETS1 constructs, as indicated. Cells were fixed with 4% paraformaldehyde, permeabilised with 1% saponin and stained for AR (AR-N20, Santa Cruz) and ETS1 (C20, Santa Cruz or 1G11, Novocastra). Secondary antibodies were anti-mouse and anti-rabbit alexa594 and alexa488 antibodies (Invitrogen). Coverslips were mounted in Vectashield with Dapi (Vector Labs).

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## ***Supplementary Discussion***

### *Identification of direct AR target genes*

Using thresholds for AR ChIP-chip analysis of signal intensity >2-fold increase in androgen versus vehicle, reproducibility p-value  $\leq 0.01$  and >4 probes contributing to these scores, we identified 1,532 promoter regions as potential AR binding sites (**Supplementary Table 1**). These cut-off scores were set to allow detection of 15 previously reported AR target genes (**Supplementary Table 2**). The range of intensity scores for known AR binding sites (signal 2.06-4.46) and the 20 novel AR targets validated by ChIP and qPCR (signal 1.8-6.2) suggest that true AR binding sites have been identified in our data set using these cut-offs. However, the number of promoter binding sites for other nuclear hormone receptors has been reported to be far lower than our list of 1,532 AR promoter targets. For example, using a genome-wide ChIP-chip approach the ER has recently been reported to have 147 promoter targets, which represents only 4% of all ER genomic binding sites (Carroll et al., 2006). In another ChIP-chip study 302 of 3,300 promoter sites assessed (9%) were found to contain binding sites were found for the GR (Phuc Le et al., 2005).

Phylogenetic analysis of the nuclear hormone superfamily suggests that the AR is less closely related to the ER and more closely related to the GR and PR (Escriva et al., 2004). While we find a significantly larger number of promoter targets than even the more closely related GR, the percentage of AR promoter hits (10%; 1,532 of 14,000 promoters on the array) is comparable to the 9% of promoters found to have GR binding sites (albeit that the array used for GR ChIP-chip may have represented a functionally enriched set of probes) (Phuc Le et al., 2005). Alternatively, it is possible that the AR has either more binding sites or a higher proportion of promoter

binding sites, compared to the ER or GR. Indeed, a recent bioinformatics approach predicted 995 (undisclosed) promoter binding sites for the AR (Masuda et al., 2005), which is comparable to the number of AR promoter binding sites we have identified.

Finally, it is possible that a proportion of the AR promoter targets we have identified are indirect AR target sites, originating from distal AR binding sites which have been brought into contact with the promoter regions through chromatin looping. However, there was a significant enrichment of 6bp AR ‘half-site’ sequences in our 1,532 AR target promoters, a sequence which the AR binds directly to in an *in vitro* assay (**Fig 3**), suggesting direct binding of the AR to a large proportion of these sites. Further, indirect binding sites arising from chromatin ‘looping’ may be expected to have lower enrichment scores compared to direct binding sites, since these chromatin ‘loops’ are likely to occur at only a proportion loci in a mixed cell population. Therefore, the detection of known direct AR target sites at the lower end of the cut-off threshold used in data analysis (e.g., the KLK3/PSA promoter, Enrichment Score=2.5 and  $p=0.0015$ ) further supports the identification of a large proportion of direct binding sites in our data set.

#### *Androgen regulated AR ChIP-chip target genes*

To identify androgen responsive genes in our AR ChIP-on-chip data, we compared our data-set with gene lists from a published meta-analysis of six gene expression data sets which used the LNCaP cell line to identify androgen regulated genes (Velasco et al., 2004). Concordance between these separate expression array studies was reported to be low, with only 11% of the comparable androgen induced gene expression changes being identified in more than one data set (Velasco et al., 2004). However, 13

of the 15 known AR target genes from **Supplementary Table 2** were correctly identified in at least one of the six expression data sets, suggesting that direct AR target genes can be identified by combining these expression data sets.

We identified 92 genes which were enriched by AR ChIP-on-chip and were also androgen regulated in one or more expression data sets, equal to 7% of the comparable set (**Supplementary Table 3**). The low degree of concordance between AR ChIP-chip and expression data could arise from the large number of indirect androgen regulated gene expression changes present in the expression array data. The treatment conditions used in these six gene expression studies varied in terms of compounds used (i.e., DHT or R1881), dose concentration (0.1nM—1000nM) and treatment time courses, therefore these factors may also account for the low degree of overlap between expression data sets and the AR ChIP-chip gene list. It is also likely that our analysis did not detect all direct AR target genes in the expression array data sets, since AR binding sites that are distal or proximal to gene promoter regions would be outside of the coverage of the array. However, despite these limitations the 92 genes identified in gene expression and ChIP-chip data-sets are strong candidates for direct transcriptional targets of the AR.

#### *Gene Ontology analysis*

We used the web-based GO tools DAVID (<http://david.abcc.ncifcrf.gov/>) and GoMiner (<http://discover.nci.nih.gov/gominer>) to annotate the 1,532 target genes identified by AR ChIP-chip analysis. In both cases the full list of 24,000 promoters on the array were used as a base-line to measure the significance of enrichment of functional annotations among the 1,532 AR ChIP-chip targets, GoMiner analysis was



performed using an FDR of 0.05 (a complete list of both GO analyses are shown in **Supplementary Table 4**). This analysis revealed a large number of AR target genes involved in metabolism, with a substantial subset of these involved in the generation of primary metabolites and energy (**Fig 2A** and **Supplementary Table 4**). Further enriched GO categories included oxidative phosphorylation and electron transport, together strongly suggesting that genes involved in the generation of energy are major transcriptional targets of the AR. There were also a large number of genes implicated in secretion and cellular transport, pathways which are important in normal prostate function. Genes involved in development and transcription were also among the largest sets of GO categories. Since developmental genes are often mis-regulated in cancer and transcriptional targets of the AR may mediate the dissemination of androgen signalling, we examined the expression of these genes in a publicly available expression array data set (Varambally et al., 2005). Several of these genes were found to be over expressed in PrCa samples compared to normal prostate samples, implicating these AR targets in PrCa biology (**Fig 2C** and **D**). The genes identified by AR ChIP-chip analysis which also have cancer-related gene ontologies or are mis-regulated in PrCa cancer clearly represent the most interesting candidates for follow-on studies to identify novel biomarkers or potential therapeutic targets (**Supplementary Table 4**).

#### *Clustering of clinical expression data using AR ChIP-chip target genes*

Clustering of gene expression M-values for all overlapping genes between AR ChIP-chip targets and each of two publicly available clinical prostate expression array data sets allowed discrimination of sample sub-types (**Supplementary Fig3**). This separation was particularly strong for the expression values from the 357 genes which

overlapped between the Varambally, et al. data-set (Varambally et al., 2005) and the AR ChIP-chip target list, which were sufficient to discriminate normal prostate, primary PrCa and metastatic PrCa samples into sub-clusters (**Supplementary Fig3A**). A similar analysis using expression array data originally presented by Tomlins, et al. (Tomlins et al., 2007) identified 475 overlapping genes and allowed clear discrimination of stromal and epithelial samples (**Supplementary Fig3B**). However, normal prostate epithelial samples, PIN, primary PrCa and metastatic PrCa samples clustered only loosely together, with the exception of a large cluster of primary PrCa samples (**Supplementary Fig3B**), possibly as a result of the different set of overlapping genes present in this analysis compared to **Fig 3A**. It is also possible that there are different sub-types of primary PrCa, metastatic PrCa and adjacent 'normal' samples within this larger sample set. Overall the integration of our AR ChIP-chip gene list with published expression array data should prove useful in the identification of AR targets which have clinical relevance and may be future biomarkers or possible therapeutic targets.

#### *AR and ETS1 transcription factor association*

Further sequence analysis using the Genomatix Matbase program (Cartharius et al., 2005) identified consensus binding sequences for other transcription factors in the 1532 AR bound promoter sequences (**Supplementary Fig2A**). Among the most enriched binding motifs were those recognised by GATA-box binding factors (GATA), forkhead domain factors (FKHD) and octamer binding proteins (OCT1), which have all been previously shown to interact with the AR or androgen regulated gene promoters (Gonzalez and Robins, 2001; Li et al., 2003; Perez-Stable et al., 2000). Binding sequences for the avian erythroblastosis virus E26 homologue family

of transcription factors (ETSF) were the most commonly occurring transcription factor motif, present in 76% of the AR bound promoter sequences. The enrichment of ETS motifs in the AR ChIP-chip sequences was further supported by two frequently occurring Nested Mica 6mer motifs (motif 1 and motif 9), which both contained the core ETS binding sequence (**Fig4A**). The ETS-like motif 9 and AR 6bp 'half-site' co-occurred in 1073 (70%) of the AR enriched promoters ( $\chi^2$  test,  $p < 2 \times 10^{-8}$ ), suggesting that there may be co-recruitment of ETS transcription factors and the AR to a subset of promoters (**Supplementary Fig2B**). Spacing between these 6bp AR and ETS motifs was most commonly 10-19bp (**Supplementary Fig2C**). The ELK1, PDEF and ETS1 binding motifs were among the most common ETS sequence motifs found in the AR ChIP-chip promoters (as identified by Genomatix Matbase). For further analysis of AR and ETS association we selected the ETS1 transcription factor as a candidate, since the ETS1 binding site was over-represented and ETS1 was recently reported to be over-expressed in PrCa (Alipov et al., 2005).

Intriguingly, forced expression of ETS1 in LNCaP cells was associated with nuclear accumulation of endogenous AR, even in the absence of androgen (**Supplementary Fig 2E**). These confocal images of ETS1 transfected cells raises the interesting question of whether the over-expression of ETS-1 may alter AR function through increased nuclear accumulation. Interestingly, ETS1 was recently reported to be over-expressed in a set of 74 PrCa, with increased expression associated with higher grade tumours, suggesting a role for ETS1 in PrCa progression (Alipov et al., 2005). However, detailed characterisation of the interplay between the AR and ETS1 will be required to determine the underlying mechanisms and the functional significance of this association.

In a recent integrative analysis of PrCa expression array data there was an enrichment of predicted binding sites for ETS1 and the related ELK1 transcription factor in the promoter regions of androgen regulated genes and genes up-regulated in PrCa (Tomlins et al., 2007). While Tomlins et al. suggest that this enrichment was related to the TMPRSS2-ETS fusion products, mounting evidence suggests that other ETS transcription factors (such as ETS1) may also be important in PrCa, perhaps in cases which lack the TMPRSS2-ETS gene fusion. Taken together these data suggest that increased expression of ETS transcription factors may be important for PrCa progression, possibly through modulation of AR function.

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## Supplementary Tables

NimbelgenID	GeneAccession	NimblegenGeneName	NimblegenGeneDescription	Signal	WilcoxonScore	WilcoxonPvalue	chr	PeakStart	PeakEnd	PeakSize
HSAP0406S00033160	NM_134444	NALP4	NALP4; NACHT, leucine rich repeat and PY	8.56	3.11	7.78E-04	chr19	61053909	61054998	1089
HSAP0406S00014284	AF147791	MUC11	MUC11; mucin 11; Homo sapiens mucin 11	6.86	5.06	8.70E-06	chr7	100235457	100236276	819
HSAP0406S00021548	AK125040	N/A	N/A; N/A; Homo sapiens cDNA FLJ43050 fi	6.83	3.80	1.57E-04	chr11	134110064	134110833	769
HSAP0406S00021157	BC015188	SDHD	SDHD; succinate dehydrogenase complex,	6.18	7.31	4.88E-08	chr11	111462297	111463159	862
HSAP0406S00019261	AK125849	N/A	N/A; N/A; Homo sapiens cDNA FLJ43861 fi	5.99	2.20	6.32E-03	chr10	134628748	134629167	419
HSAP0406S00024081	AK123478	N/A	N/A; N/A; Homo sapiens cDNA FLJ41484 fi	5.94	2.20	6.32E-03	chr13	113568891	113569440	549
HSAP0406S00007599	NM_194289	LOC152195	LOC152195; hypothetical protein LOC1521	5.89	2.50	3.20E-03	chr3	132562394	132563173	779
HSAP0406S00033317	NM_207469	UNQ827	UNQ827; KFL827; Homo sapiens KFL82	5.77	4.90	1.27E-05	chr20	185747	186556	809
HSAP0406S00030077	BC010635	N/A	N/A; Unknown (protein for IMAGE:3867347	5.75	4.40	3.99E-05	chr17	73068679	73070148	1469
HSAP0406S00014283	AF147791	MUC11	MUC11; mucin 11; Homo sapiens mucin 11	5.62	4.54	2.90E-05	chr7	100230736	100231695	959
HSAP0406S00030131	AK124561	N/A	N/A; N/A; Homo sapiens cDNA FLJ42570 fi	5.61	5.17	6.70E-06	chr17	74901447	74902276	829
HSAP0406S00001203	BC016907	N/A	N/A; Unknown (protein for IMAGE:4396276	5.56	3.80	1.57E-04	chr1	46521403	46522882	1479
HSAP0406S00014384	NM_152750	FLJ23834	FLJ23834; hypothetical protein FLJ23834; l	5.45	4.36	4.33E-05	chr7	105196883	105197822	939
HSAP0406S00010800	BC012481	ADRB2	ADRB2; ADRB2 protein; Homo sapiens adr	5.39	8.71	1.94E-09	chr5	148185339	148186390	1051
HSAP0406S00010801	BC063486	N/A	N/A; Unknown (protein for IMAGE:5241774	5.39	8.71	1.94E-09	chr5	148185339	148186390	1051
HSAP0406S00010802	NM_000024	ADRB2	ADRB2; adrenergic, beta-2-, receptor, surfe	5.39	8.71	1.94E-09	chr5	148185339	148186390	1051
HSAP0406S00036997	AF216862	N/A	N/A; NADH dehydrogenase subnit 1; Homo	5.34	17.82	1.50E-18	chrM	3511	5189	1678
HSAP0406S00036995	AY029066	HN1	HN1; Humanin; Homo sapiens Humanin (H	5.34	17.82	1.50E-18	chrM	3511	5189	1678
HSAP0406S00036994	BC000845	N/A	N/A; Unknown (protein for IMAGE:3457769	5.34	17.82	1.50E-18	chrM	3511	5189	1678
HSAP0406S00037001	NM_173704	MTCO1	MTCO1; cytochrome c oxidase I; Homo sa	5.34	18.70	1.98E-19	chrM	4695	6091	1396
HSAP0406S00036996	NM_173708	MTND1	MTND1; NADH dehydrogenase 1; Homo se	5.34	17.82	1.50E-18	chrM	3511	5189	1678
HSAP0406S00036998	NM_173709	MTND2	MTND2; NADH dehydrogenase 2; Homo se	5.34	17.82	1.50E-18	chrM	3511	5189	1678
HSAP0406S00036999	S75895	clone 82-2	clone 82-2; NADH dehydrogenase subunit ;	5.34	18.70	1.98E-19	chrM	3771	5721	1950
HSAP0406S00037000	S75896	clone 39-1	clone 39-1; NADH dehydrogenase subunit ;	5.34	18.70	1.98E-19	chrM	3771	5721	1950
HSAP0406S00002773	AF119045	N/A	N/A; unknown; Homo sapiens unknown mR	5.31	3.11	7.78E-04	chr1	163826365	163826974	609
HSAP0406S00037018	AF391805	N/A	N/A; unknown; Homo sapiens clone 35w ur	5.27	8.98	1.04E-09	chrM	14120	15771	1651
HSAP0406S00037016	AY206700	N/A	N/A; NADH dehydrogenase subunit 5; Hom	5.25	5.85	1.41E-06	chrM	11938	13666	1728
HSAP0406S00006497	NM_178339	APRG1	APRG1; AP20 region protein isoform B; Ho	5.11	3.11	7.78E-04	chr3	37412477	37412556	79
HSAP0406S00037007	AB064665	OK/SW-cl.16	OK/SW-cl.16; OK/SW-CL.16; Homo sapien	4.97	21.71	1.96E-22	chrM	7602	9410	1808
HSAP0406S00037008	NM_173710	MTND3	MTND3; NADH dehydrogenase 3; Homo se	4.97	24.63	2.34E-25	chrM	8635	10392	1757
HSAP0406S00030181	AK094659	N/A	N/A; N/A; Homo sapiens cDNA FLJ37340 fi	4.89	4.19	6.40E-05	chr17	76666071	76667290	1219
HSAP0406S00019351	NM_021920	SCT	SCT; secretin preproprotein; Homo sapiens	4.85	4.61	2.43E-05	chr11	617344	618003	659
HSAP0406S00037019	M28016	cytochrome b	cytochrome b; cytochrome b; Human mitocl	4.80	8.98	1.04E-09	chrM	14120	15951	1831
HSAP0406S00037017	NM_173714	MTND6	MTND6; NADH dehydrogenase 6; Homo se	4.80	8.98	1.04E-09	chrM	14352	15951	1599
HSAP0406S00022240	NM_014033	DKFZP586A0522	DKFZP586A0522; DKFZP586A0522 protein	4.77	6.95	1.13E-07	chr12	49604518	49605237	719
HSAP0406S00035189	AB051449	KIAA1662	KIAA1662; KIAA1662 protein; Homo sapier	4.74	4.45	3.55E-05	chr22	36444160	36445399	1239

HSAP0406S00027922	NM_199355	ADAMTS18	ADAMTS18; a disintegrin-like and metallo	4.72	3.11	7.78E-04 chr16	76027003	76027552	549
HSAP0406S00036899	AF527835	CYorf16	CYorf16; CYorf16 protein; Homo sapiens C	4.69	3.17	6.70E-04 chrY	9256453	9257032	579
HSAP0406S00024653	NM_002028	FNTB	FNTB; farnesyltransferase, CAAAX box, beta	4.69	6.13	7.47E-07 chr14	64522810	64523459	649
HSAP0406S00015275	NM_018091	ELP3	ELP3; elongation protein 3 homolog; Homo	4.68	2.83	1.50E-03 chr8	28006285	28006844	559
HSAP0406S00037005	AF368271	N/A	N/A; ATP synthase 6; Homo sapiens ATP s	4.63	21.71	1.96E-22 chrM	6890	8754	1864
HSAP0406S00037004	NM_173703	MTATP8	MTATP8; ATP synthase 8; Homo sapiens A	4.63	21.71	1.96E-22 chrM	6890	8754	1864
HSAP0406S00019399	AJ001402	MUC5AC	MUC5AC; MUC5AC protein; Homo sapiens	4.59	6.91	1.23E-07 chr11	1169346	1169865	519
HSAP0406S00037015	AF339086	MTND5	MTND5; NADH dehydrogenase subunit 5; l	4.58	10.54	2.87E-11 chrM	10829	12756	1927
HSAP0406S00019029	NM_020918	GPAM	GPAM; mitochondrial glycerol 3-phosphate	4.58	2.83	1.50E-03 chr10	113933649	113933948	299
HSAP0406S00031294	AK025837	N/A	N/A; N/A; Homo sapiens cDNA: FLJ22184 l	4.53	2.50	3.20E-03 chr19	7841968	7842527	559
HSAP0406S00037010	S81524	RC1	RC1; NADH dehydrogenase subunit 3 hom	4.48	17.79	1.62E-18 chrM	10001	11887	1886
HSAP0406S00030978	NM_006830	UQCR	UQCR; ubiquinol-cytochrome c reductase (l	4.48	2.82	1.50E-03 chr19	1556522	1557151	629
HSAP0406S00012099	NM_002630	PGC	PGC; progastricsin (pepsinogen C); Homo :	4.46	4.80	1.57E-05 chr6	41822910	41824119	1209
HSAP0406S00005041	NM_031445	MGC4268	MGC4268; hypothetical protein MGC4268;	4.38	3.53	2.97E-04 chr2	128358465	128359304	839
HSAP0406S00036907	AF527835	CYorf16	CYorf16; CYorf16 protein; Homo sapiens C	4.37	3.09	8.12E-04 chrY	9915645	9916224	579
HSAP0406S00037009	AB017116	AD 1	AD 1; AD 1; Homo sapiens mitochondrial m	4.36	24.63	2.34E-25 chrM	8835	10628	1793
HSAP0406S00037006	AF271776	N/A	N/A; DC48; Homo sapiens DC48 mRNA, cc	4.36	24.63	2.34E-25 chrM	8835	10628	1793
HSAP0406S00017806	AK122590	FLJ00415	FLJ00415; FLJ00415 protein; Homo sapien	4.35	5.61	2.46E-06 chr9	137658639	137659548	909
HSAP0406S00008319	AK128809	N/A	N/A; N/A; Homo sapiens cDNA FLJ45978 fi	4.35	20.46	3.47E-21 chr4	1374403	1374932	529
HSAP0406S00008318	NM_175918	FLJ34443	FLJ34443; hypothetical protein FLJ34443; l	4.35	20.46	3.47E-21 chr4	1374403	1374932	529
HSAP0406S00021155	BC000711	TIMM8B	TIMM8B; TIMM8B protein; Homo sapiens tr	4.35	7.31	4.88E-08 chr11	111462297	111463159	862
HSAP0406S00037003	X55654	N/A	N/A; cytochrome C oxidase II subunit; Hom	4.34	21.71	1.96E-22 chrM	6344	8181	1837
HSAP0406S00037002	AY211920	N/A	N/A; sarcoma antigen NY-SAR-71; Homo s	4.34	19.49	3.26E-20 chrM	6344	8095	1751
HSAP0406S00004981	NM_020548	DBI	DBI; diazepam binding inhibitor; Homo sapi	4.30	4.47	3.39E-05 chr2	119839900	119841049	1149
HSAP0406S00019406	AF253321	N/A	N/A; cervical mucin MUC5B; Homo sapiens	4.29	4.84	1.46E-05 chr11	1225717	1226433	716
HSAP0406S00011958	BC021299	SPDEF	SPDEF; SAM pointed domain containing et	4.28	2.95	1.13E-03 chr6	34631936	34632695	759
HSAP0406S00034030	AB014511	KIAA0611	KIAA0611; KIAA0611 protein; Homo sapier	4.26	4.76	1.73E-05 chr20	49818755	49819574	819
HSAP0406S00034855	NM_206953	PRAME	PRAME; preferentially expressed antigen ir	4.25	4.27	5.31E-05 chr22	21226371	21227520	1149
HSAP0406S00037014	AF253979	N/A	N/A; DC24; Homo sapiens DC24 mRNA, cc	4.24	24.63	2.34E-25 chrM	8920	10882	1962
HSAP0406S00026914	AK126938	N/A	N/A; N/A; Homo sapiens cDNA FLJ44991 fi	4.24	2.55	2.82E-03 chr16	12203954	12204533	579
HSAP0406S00037012	AF212044	N/A	N/A; potential LAG1 interactor; Homo sapie	4.23	24.63	2.34E-25 chrM	9528	11468	1940
HSAP0406S00037013	AK129724	N/A	N/A; N/A; Homo sapiens cDNA FLJ26213 fi	4.23	24.63	2.34E-25 chrM	9591	11468	1877
HSAP0406S00037011	NM_173711	MTND4	MTND4; NADH dehydrogenase 4; Homo se	4.23	24.63	2.34E-25 chrM	9025	10882	1857
HSAP0406S00030393	AK097656	N/A	N/A; N/A; Homo sapiens cDNA FLJ40337 fi	4.19	3.16	6.94E-04 chr18	9875283	9876012	729
HSAP0406S00017761	AK127005	N/A	N/A; N/A; Homo sapiens cDNA FLJ45060 fi	4.18	2.19	6.50E-03 chr9	137272859	137273558	699
HSAP0406S00028096	AK027082	N/A	N/A; N/A; Homo sapiens cDNA: FLJ23429 l	4.17	3.80	1.57E-04 chr16	87523245	87523904	659
HSAP0406S00016511	BC003110	IL11RA	IL11RA; interleukin 11 receptor, alpha, isofo	4.15	3.66	2.20E-04 chr9	34642632	34643401	769
HSAP0406S00013255	AL137525	N/A	source; N/A; N/A; Homo sapiens mRNA; cD	4.15	3.06	8.81E-04 chr7	2422389	2423098	709
HSAP0406S00031518	NM_153358	FLJ90396	FLJ90396; hypothetical protein FLJ90396; l	4.14	4.83	1.46E-05 chr19	12581963	12582835	872
HSAP0406S00033155	AF073727	EPSIN	EPSIN; EH domain-binding mitotic phospho	4.14	3.46	3.44E-04 chr19	60878563	60879492	929
HSAP0406S00018962	NM_017787	C10orf26	C10orf26; chromosome 10 open reading fra	4.09	4.49	3.23E-05 chr10	104524936	104526145	1209

HSAP0406S00021653	D63880	KIAA0159	KIAA0159; N/A; Homo sapiens mRNA for K	4.06	4.69	2.05E-05	chr12	6471826	6472738	912
HSAP0406S00025361	AB067486	KIAA1899	KIAA1899; KIAA1899 protein; Homo sapiens	4.06	3.27	5.32E-04	chr15	20384413	20384972	559
HSAP0406S00028814	NM_003170	SUPT6H	SUPT6H; suppressor of Ty 6 homolog; Homo sapiens	4.05	6.44	3.62E-07	chr17	24012369	24013418	1049
HSAP0406S00019129	AF116723	N/A	N/A; MSTP053; Homo sapiens MSTP053 mRNA	4.04	6.19	6.48E-07	chr10	121641813	121642402	589
HSAP0406S00033306	BC047005	N/A	source; N/A; N/A; Homo sapiens putative b	4.04	3.32	4.79E-04	chr19	63757618	63758267	649
HSAP0406S00031140	BC008288	UBXD1	UBXD1; UBXD1 protein; Homo sapiens UB	4.02	4.17	6.78E-05	chr19	4406746	4407595	849
HSAP0406S00018263	NM_000124	ERCC6	ERCC6; excision repair cross-complementi	4.02	3.63	2.37E-04	chr10	50417229	50417998	769
HSAP0406S00014690	NM_173677	FLJ40852	FLJ40852; hypothetical protein FLJ40852; l	4.01	8.03	9.28E-09	chr7	140891035	140892004	969
HSAP0406S00022596	NM_138396	MARCH-IX	MARCH-IX; membrane-associated RING-C	4.01	2.39	4.07E-03	chr12	56434257	56434796	539
HSAP0406S00008291	AL834199	DKFZp547K246	DKFZp547K246; hypothetical protein; Hom	4.01	3.11	7.78E-04	chr4	914925	915474	549
HSAP0406S00029092	NM_032192	PPP1R1B	PPP1R1B; protein phosphatase 1, regulato	4.00	3.66	2.20E-04	chr17	35035505	35036404	899
HSAP0406S00013487	NM_000522	HOXA13	HOXA13; homeobox protein A13; Homo sa	3.98	4.17	6.78E-05	chr7	27013207	27014176	969
HSAP0406S00014279	AF007194	MUC3	MUC3; mucin; Homo sapiens mucin (MUC3	3.95	3.17	6.70E-04	chr7	100194767	100195376	609
HSAP0406S00034900	NM_153615	Rgr	Rgr; Ral-GDS related protein Rgr; Homo sa	3.92	5.82	1.52E-06	chr22	22356942	22357711	769
HSAP0406S00027395	AB023508	TP53TG3b	TP53TG3b; TP53TG3b; Homo sapiens mR	3.90	5.37	4.26E-06	chr16	32171324	32172313	989
HSAP0406S00005112	AF255647	N/A	N/A; DC29; Homo sapiens DC29 mRNA, cc	3.89	3.67	2.12E-04	chr2	135048787	135049286	499
HSAP0406S00010832	BC051025	KIAA0194	KIAA0194; KIAA0194 protein; Homo sapiens	3.88	2.65	2.21E-03	chr5	149359896	149360295	399
HSAP0406S00020607	NM_001619	ADRBK1	ADRBK1; beta adrenergic receptor kinase 1	3.88	3.56	2.76E-04	chr11	66789379	66790088	709
HSAP0406S00025407	AL833871	DKFZp434P162	DKFZp434P162; hypothetical protein; Hom	3.87	2.34	4.57E-03	chr15	26570563	26570862	299
HSAP0406S00012878	NM_006079	CITED2	CITED2; Cbp/p300-interacting transactivat	3.86	3.54	2.85E-04	chr6	139737999	139738768	769
HSAP0406S00032145	NM_198539	ZNF568	ZNF568; zinc finger protein 568; Homo sap	3.84	3.09	8.11E-04	chr19	42097795	42099543	1748
HSAP0406S00014929	AK126705	N/A	N/A; N/A; Homo sapiens cDNA FLJ44751 fi	3.82	2.09	8.15E-03	chr7	156854742	156855081	339
HSAP0406S00031536	BC064138	PRDX2	PRDX2; peroxiredoxin 2, isoform c; Homo s	3.81	2.20	6.32E-03	chr19	12774024	12774593	569
HSAP0406S00026455	NM_183376	ARRDC4	ARRDC4; arrestin domain containing 4; Ho	3.80	2.63	2.32E-03	chr15	96304192	96304811	619
HSAP0406S00027228	AK128772	N/A	N/A; N/A; Homo sapiens cDNA FLJ45371 fi	3.80	3.63	2.37E-04	chr16	29408873	29409102	229
HSAP0406S00014812	AB011115	KIAA0543	KIAA0543; KIAA0543 protein; Homo sapiens	3.79	3.80	1.57E-04	chr7	148980665	148981124	459
HSAP0406S00004827	AY358263	N/A	N/A; AHPA9419; Homo sapiens clone DNA	3.79	5.95	1.12E-06	chr2	102195488	102196177	689
HSAP0406S00003104	AY359012	N/A	N/A; TMEM9; Homo sapiens clone DNA602	3.79	4.11	7.77E-05	chr1	197873000	197873539	539
HSAP0406S00002965	AL161952	DKFZp434M0813	DKFZp434M0813; hypothetical protein; Hor	3.77	5.17	6.70E-06	chr1	179090090	179091229	1139
HSAP0406S00019407	X74370	MUC5B	MUC5B; mucin; H.sapiens MUC5B mRNA (	3.76	4.84	1.46E-05	chr11	1225987	1226803	816
HSAP0406S00022397	NM_014620	HOXC4	HOXC4; homeo box C4; Homo sapiens hor	3.76	6.03	9.31E-07	chr12	52696243	52697242	999
HSAP0406S00022393	NM_153693	HOXC6	HOXC6; homeo box C6 isoform 2; Homo sa	3.76	6.03	9.31E-07	chr12	52696243	52697242	999
HSAP0406S00002203	AB037811	KIAA1390	KIAA1390; KIAA1390 protein; Homo sapiens	3.76	4.54	2.87E-05	chr1	147788190	147788789	599
HSAP0406S00005078	AY255532	N/A	N/A; G protein-coupled receptor PGR6; Hor	3.75	6.91	1.23E-07	chr2	131319880	131320829	949
HSAP0406S00005077	NM_207364	GPR148	GPR148; G protein-coupled receptor 148; H	3.75	6.91	1.23E-07	chr2	131319880	131320709	829
HSAP0406S00006891	NM_014703	VprBP	VprBP; Vpr-binding protein; Homo sapiens	3.74	3.06	8.81E-04	chr3	51509102	51509531	429
HSAP0406S00007244	BC022001	PCNP	PCNP; PEST-containing nuclear protein; H	3.74	4.28	5.27E-05	chr3	102774980	102775869	889
HSAP0406S00002210	NM_017860	FLJ20519	FLJ20519; hypothetical protein FLJ20519; l	3.74	3.54	2.85E-04	chr1	147832062	147832491	429
HSAP0406S00033243	NM_024762	ZNF552	ZNF552; zinc finger protein 552; Homo sap	3.74	8.05	8.86E-09	chr19	63017894	63018273	379
HSAP0406S00015263	NM_000742	CHRNA2	CHRNA2; cholinergic receptor, nicotinic, al	3.74	5.85	1.41E-06	chr8	27392516	27393455	939
HSAP0406S00029415	AK000982	N/A	N/A; N/A; Homo sapiens cDNA FLJ10120 fi	3.72	4.83	1.46E-05	chr17	40951742	40952961	1219



HSAP0406S00004942	AK123617	N/A	N/A; N/A; Homo sapiens cDNA FLJ41623 fi	3.71	3.30	5.07E-04 chr2	113679584	113679933	349
HSAP0406S00031718	BC019261	GTPBP3	GTPBP3; GTP binding protein 3 (mitochondr	3.71	4.27	5.31E-05 chr19	17308575	17309354	779
HSAP0406S00020469	NM_003273	TM7SF2	TM7SF2; transmembrane 7 superfamily me	3.71	2.48	3.28E-03 chr11	64634730	64635319	589
HSAP0406S00011019	NM_012300	FBXW11	FBXW11; F-box and WD-40 domain proteir	3.70	2.71	1.94E-03 chr5	171366653	171366962	309
HSAP0406S00019979	AK097878	N/A	N/A; N/A; Homo sapiens cDNA FLJ40559 fi	3.69	3.30	5.07E-04 chr11	45123550	45124219	669
HSAP0406S00001585	NM_004261	SEP15	SEP15; 15 kDa selenoprotein isoform 1 pre	3.69	4.49	3.23E-05 chr1	87092699	87093398	699
HSAP0406S00020486	U60873	N/A	N/A; orf1 protein; Human clone 137308 mR	3.68	3.46	3.44E-04 chr11	64947556	64948275	719
HSAP0406S00025068	AK000041	N/A	N/A; N/A; Homo sapiens cDNA FLJ20034 fi	3.68	7.13	7.38E-08 chr14	95001154	95001463	309
HSAP0406S00014553	NM_178562	MGC50844	MGC50844; hypothetical protein MGC5084	3.67	2.30	5.07E-03 chr7	128378023	128378592	569
HSAP0406S00019436	AF116709	N/A	N/A; PRO2605; Homo sapiens PRO2605 r	3.67	2.94	1.15E-03 chr11	1973220	1974099	879
HSAP0406S00022090	AJ344099	N/A	N/A; putative 40-9-1 protein; Homo sapiens	3.67	2.25	5.58E-03 chr12	45053603	45054112	509
HSAP0406S00020967	AF467654	MTNR1B	MTNR1B; melatonin receptor MEL1B; Hom	3.66	3.70	1.98E-04 chr11	92353877	92354656	779
HSAP0406S00019094	AL122051	DKFZp434B0328	DKFZp434B0328; hypothetical protein; Hor	3.65	4.19	6.40E-05 chr10	119034191	119035180	989
HSAP0406S00007422	NM_019069	WDR5B	WDR5B; WD repeat domain 5B; Homo sap	3.62	4.61	2.43E-05 chr3	123617423	123618352	929
HSAP0406S00006203	AK125674	N/A	N/A; N/A; Homo sapiens cDNA FLJ43686 fi	3.61	7.40	3.96E-08 chr2	242639780	242640099	319
HSAP0406S00009397	BC037869	TIGD4	TIGD4; tigger transposable element derivec	3.60	4.72	1.93E-05 chr4	154058755	154059558	803
HSAP0406S00024413	U59479	N/A	N/A; neutrophil protein; Human neutrophil p	3.59	3.39	4.03E-04 chr14	38719817	38720366	549
HSAP0406S00019697	NM_198516	GALNTL4	GALNTL4; UDP-N-acetyl-alpha-D-galactosi	3.59	5.69	2.05E-06 chr11	11600729	11601388	659
HSAP0406S00033175	NM_022103	FLJ14011	FLJ14011; hypothetical zinc finger protein F	3.59	2.75	1.78E-03 chr19	61681134	61681615	481
HSAP0406S00020342	BC042801	N/A	N/A; Similar to RIKEN cDNA 0610006108 g	3.58	4.06	8.64E-05 chr11	62316271	62316930	659
HSAP0406S00008200	AF177925	MUC4	MUC4; mucin 4; Homo sapiens mucin 4 (M	3.57	2.76	1.73E-03 chr3	197003290	197003889	599
HSAP0406S00008201	AF177925	MUC4	MUC4; mucin 4; Homo sapiens mucin 4 (M	3.57	2.76	1.73E-03 chr3	197003290	197003889	599
HSAP0406S00036896	AF527835	CYorf16	CYorf16; CYorf16 protein; Homo sapiens C	3.56	4.91	1.23E-05 chrY	9236183	9236752	569
HSAP0406S00001167	NM_012222	MUTYH	MUTYH; mutY homolog; Homo sapiens mu	3.56	3.78	1.67E-04 chr1	45474954	45475773	819
HSAP0406S00000858	NM_018045	FLJ10276	FLJ10276; hypothetical protein FLJ10276; l	3.55	2.79	1.63E-03 chr1	32529471	32529790	319
HSAP0406S00004079	NM_199193	BRE	BRE; brain and reproductive organ-express	3.54	6.14	7.32E-07 chr2	28024293	28025124	831
HSAP0406S00027401	NM_015369	TP53TG3	TP53TG3; TP53TG3 protein; Homo sapiens	3.54	4.27	5.31E-05 chr16	33112104	33113123	1019
HSAP0406S00025830	AK024757	N/A	N/A; N/A; Homo sapiens cDNA: FLJ21104 l	3.54	7.48	3.27E-08 chr15	54173612	54174581	969
HSAP0406S00025831	AL834302	DKFZp762K023	DKFZp762K023; hypothetical protein; Hom	3.54	7.48	3.27E-08 chr15	54173612	54174581	969
HSAP0406S00020676	AK128308	N/A	N/A; N/A; Homo sapiens cDNA FLJ46449 fi	3.54	5.34	4.58E-06 chr11	68264341	68264760	419
HSAP0406S00024203	NM_006109	SKB1	SKB1; SKB1 homolog; Homo sapiens SKB	3.53	2.19	6.50E-03 chr14	22468562	22469761	1199
HSAP0406S00031253	AK095524	N/A	N/A; N/A; Homo sapiens cDNA FLJ38205 fi	3.53	2.60	2.50E-03 chr19	7019926	7020595	669
HSAP0406S00010964	NM_001445	FABP6	FABP6; gastrotropin; Homo sapiens fatty ac	3.52	3.27	5.32E-04 chr5	159588065	159588724	659
HSAP0406S00020332	BC009866	BSCL2	BSCL2; seipin; Homo sapiens Bernardinelli	3.51	2.06	8.65E-03 chr11	62234193	62234572	379
HSAP0406S00011439	AK128546	N/A	N/A; N/A; Homo sapiens cDNA FLJ46705 fi	3.51	4.06	8.74E-05 chr6	20642167	20642816	649
HSAP0406S00014346	NM_031905	SVH	SVH; SVH protein; Homo sapiens SVH prot	3.51	4.91	1.23E-05 chr7	102308399	102309098	699
HSAP0406S00012734	NM_020755	TDE2	TDE2; tumor differentially expressed 2; Hor	3.50	2.25	5.58E-03 chr6	122834452	122834871	419
HSAP0406S00006652	X95583	N/A	N/A; MCP-1 receptor; H.sapiens mRNA for	3.50	4.72	1.93E-05 chr3	46373753	46374832	1079
HSAP0406S00022771	NM_004664	LIN7A	LIN7A; lin-7 homolog A; Homo sapiens lin-7	3.50	4.28	5.27E-05 chr12	79834093	79834612	519
HSAP0406S00016620	NM_000692	ALDH1B1	ALDH1B1; aldehyde dehydrogenase 1B1 p	3.49	3.96	1.10E-04 chr9	38381412	38382101	689
HSAP0406S00026245	BX537608	DKFZp686F13224	DKFZp686F13224; hypothetical protein; Hc	3.49	8.01	9.73E-09 chr15	78234048	78234607	559

HSAP0406S00016503	NM_147202	C9orf25	C9orf25; chromosome 9 open reading fram	3.48	2.82	1.50E-03 chr9	34448779	34449358	579
HSAP0406S00014880	BC068598	PRKAG2	PRKAG2; PRKAG2 protein; Homo sapiens	3.48	2.82	1.50E-03 chr7	150950515	150950864	349
HSAP0406S00001108	NM_182518	LOC149469	LOC149469; hypothetical protein LOC1494	3.48	2.94	1.15E-03 chr1	43523758	43524517	759
HSAP0406S00029070	NM_002795	PSMB3	PSMB3; proteasome beta 3 subunit; Homo	3.47	4.63	2.37E-05 chr17	34161788	34162727	939
HSAP0406S00008343	AK024501	FLJ00110	FLJ00110; FLJ00110 protein; Homo sapien	3.47	3.54	2.85E-04 chr4	2223993	2224502	509
HSAP0406S00011195	AK125253	N/A	N/A; N/A; Homo sapiens cDNA FLJ43263 fi	3.46	5.68	2.08E-06 chr5	179209537	179209906	369
HSAP0406S00023866	NM_006002	UCHL3	UCHL3; ubiquitin carboxyl-terminal esteras	3.46	3.06	8.81E-04 chr13	75020758	75021487	729
HSAP0406S00026328	AF316855	N/A	N/A; colon cancer-associated antigen AgSk	3.46	5.09	8.16E-06 chr15	83550362	83551821	1459
HSAP0406S00014513	NM_024523	GCC1	GCC1; Golgi coiled-coil protein 1; Homo sa	3.45	3.11	7.78E-04 chr7	126819746	126819925	179
HSAP0406S00035148	NM_002854	PVALB	PVALB; parvalbumin; Homo sapiens parval	3.45	2.83	1.50E-03 chr22	35540794	35541323	529
HSAP0406S00022019	AL713762	DKFZp434K1572	DKFZp434K1572; hypothetical protein; Hor	3.44	4.72	1.93E-05 chr12	32623933	32624322	389
HSAP0406S00010101	AK130833	N/A	N/A; N/A; Homo sapiens cDNA FLJ27323 fi	3.43	2.83	1.50E-03 chr5	69243336	69243685	349
HSAP0406S00022317	NM_002272	KRT4	KRT4; keratin 4; Homo sapiens keratin 4 (K	3.43	3.96	1.10E-04 chr12	51494433	51495102	669
HSAP0406S00002548	NM_145729	MRPL24	MRPL24; mitochondrial ribosomal protein L	3.43	2.57	2.68E-03 chr1	153523797	153524426	629
HSAP0406S00032143	BX538288	DKFZp779O175	DKFZp779O175; hypothetical protein; Hom	3.43	3.90	1.25E-04 chr19	42099015	42099543	528
HSAP0406S00019534	NM_033179	OR51B4	OR51B4; olfactory receptor, family 51, subf	3.42	2.06	8.65E-03 chr11	5279553	5279932	379
HSAP0406S00019187	AK094354	N/A	N/A; N/A; Homo sapiens cDNA FLJ37035 fi	3.41	6.56	2.74E-07 chr10	127398383	127398912	529
HSAP0406S00019188	BC015213	N/A	N/A; Unknown (protein for IMAGE:3917216	3.41	6.56	2.74E-07 chr10	127398383	127398912	529
HSAP0406S00017536	D14689	KIAA0023	KIAA0023; N/A; Homo sapiens KIAA0023 n	3.40	4.49	3.23E-05 chr9	131029891	131030430	539
HSAP0406S00003106	NM_178275	DKFZp434B1231	DKFZp434B1231; eEF1A2 binding protein;	3.38	3.06	8.81E-04 chr1	197912127	197912676	549
HSAP0406S00012812	NM_001016	RPS12	RPS12; ribosomal protein S12; Homo sapie	3.38	3.11	7.78E-04 chr6	133176143	133176992	849
HSAP0406S00004077	NM_022128	RBKS	RBKS; ribokinase; Homo sapiens ribokinas	3.37	6.14	7.32E-07 chr2	28024413	28025124	711
HSAP0406S00024691	AL834533	DKFZp434A035	DKFZp434A035; hypothetical protein; Hom	3.37	3.78	1.67E-04 chr14	68590998	68591797	799
HSAP0406S00008096	AY358547	N/A	N/A; RPLL168; Homo sapiens clone DNA2f	3.37	3.66	2.20E-04 chr3	186699615	186700334	719
HSAP0406S00022975	NM_152772	MGC40368	MGC40368; hypothetical protein MGC4036	3.36	3.37	4.29E-04 chr12	105197838	105198477	639
HSAP0406S00032869	NM_001002231	KLK2	KLK2; kallikrein 2, prostatic isoform 2; Hom	3.36	4.63	2.37E-05 chr19	56067751	56068650	899
HSAP0406S00024186	NM_001344	DAD1	DAD1; defender against cell death 1; Homc	3.36	3.27	5.32E-04 chr14	22127770	22128789	1019
HSAP0406S00015486	NM_138969	RDH-E2	RDH-E2; retinal short chain dehydrogenase	3.35	5.17	6.70E-06 chr8	57395786	57397005	1219
HSAP0406S00019698	AF131852	N/A	N/A; Unknown; Homo sapiens clone 25215	3.34	5.69	2.05E-06 chr11	11600729	11601388	659
HSAP0406S00028813	NM_006923	SDF2	SDF2; stromal cell-derived factor 2 precurs	3.34	6.44	3.62E-07 chr17	24012699	24013418	719
HSAP0406S00033966	NM_172113	EYA2	EYA2; eyes absent 2 isoform b; Homo sapi	3.34	5.61	2.46E-06 chr20	45039131	45040470	1339
HSAP0406S00020306	AF083120	CATX-4	CATX-4; unknown; Homo sapiens CATX-4	3.34	3.80	1.57E-04 chr11	62076611	62077930	1319
HSAP0406S00007060	NM_007177	TU3A	TU3A; downregulated in renal cell carcinor	3.32	5.89	1.29E-06 chr3	58538332	58538701	369
HSAP0406S00010369	NM_053000	TIGA1	TIGA1; TIGA1; Homo sapiens TIGA1 (TIGA	3.32	4.54	2.87E-05 chr5	111523922	111524281	359
HSAP0406S00000866	NM_005610	RBBP4	RBBP4; retinoblastoma binding protein 4; H	3.31	4.91	1.23E-05 chr1	32784757	32785678	921
HSAP0406S00002114	BC034418	FLJ20719	FLJ20719; FLJ20719 protein; Homo sapien	3.31	6.55	2.83E-07 chr1	145518727	145519436	709
HSAP0406S00027517	BC007034	MT2A	MT2A; MT2A protein; Homo sapiens metall	3.31	3.42	3.81E-04 chr16	55198727	55199806	1079
HSAP0406S00034984	AF217975	N/A	N/A; unknown; Homo sapiens clone PP142	3.31	5.42	3.76E-06 chr22	27462765	27463584	819
HSAP0406S00027396	NM_015369	TP53TG3	TP53TG3; TP53TG3 protein; Homo sapien	3.30	5.14	7.29E-06 chr16	32594912	32595801	889
HSAP0406S00033737	NM_006690	MMP24	MMP24; matrix metalloproteinase 24 (mem	3.30	3.11	7.78E-04 chr20	33277018	33277617	599
HSAP0406S00010650	NM_002488	NDUFA2	NDUFA2; NADH dehydrogenase (ubiquinor	3.29	3.47	3.38E-04 chr5	140007385	140007894	509

HSAP0406S00020605	AK096194	N/A	N/A; N/A; Homo sapiens cDNA FLJ38875 fi	3.28	3.18	6.58E-04 chr11	66762911	66763580	669
HSAP0406S00002127	NM_003548	HIST2H4	HIST2H4; histone 2, H4; Homo sapiens his	3.27	3.39	4.03E-04 chr1	146616604	146617093	489
HSAP0406S00010144	NM_024754	PTCD2	PTCD2; pentatricopeptide repeat domain 2;	3.27	7.74	1.81E-08 chr5	71651444	71652369	925
HSAP0406S00028452	NM_015670	SEN3	SEN3; SUMO1/sentrin/SMT3 specific prot	3.27	3.78	1.65E-04 chr17	7404972	7405811	839
HSAP0406S00027290	AK128772	N/A	N/A; N/A; Homo sapiens cDNA FLJ45371 fi	3.26	3.56	2.76E-04 chr16	30148843	30149072	229
HSAP0406S00018439	NM_022146	GPR147	GPR147; G protein-coupled receptor 147; t	3.26	4.20	6.24E-05 chr10	71695955	71696394	439
HSAP0406S00018345	NM_145307	PLEKHK1	PLEKHK1; pleckstrin homology domain cor	3.26	3.25	5.69E-04 chr10	63698613	63699202	589
HSAP0406S00026211	NM_004136	IREB2	IREB2; iron-responsive element binding prc	3.26	2.63	2.32E-03 chr15	76517001	76517510	509
HSAP0406S00017004	NM_005458	GPR51	GPR51; G protein-coupled receptor 51; Hor	3.25	2.95	1.13E-03 chr9	98551525	98552294	769
HSAP0406S00004069	NM_024584	FLJ13646	FLJ13646; hypothetical protein FLJ13646; l	3.25	3.42	3.81E-04 chr2	27763771	27764450	679
HSAP0406S00001416	AK128375	N/A	N/A; N/A; Homo sapiens cDNA FLJ46518 fi	3.25	2.27	5.33E-03 chr1	65037534	65038033	499
HSAP0406S00026304	AF316855	N/A	N/A; colon cancer-associated antigen AgSk	3.25	4.90	1.26E-05 chr15	82661285	82662744	1459
HSAP0406S00007628	NM_003571	BFSP2	BFSP2; phakinin; Homo sapiens beaded fil	3.25	5.35	4.48E-06 chr3	134600318	134600887	569
HSAP0406S00006408	NM_152653	UBE2E2	UBE2E2; ubiquitin-conjugating enzyme E2E	3.24	2.29	5.16E-03 chr3	23218892	23219271	379
HSAP0406S00013013	AF120323	TIAM2	TIAM2; T-cell lymphoma invasion and meta	3.24	4.28	5.27E-05 chr6	155561032	155561561	529
HSAP0406S00019487	AK130030	N/A	N/A; N/A; Homo sapiens cDNA FLJ26520 fi	3.24	2.96	1.11E-03 chr11	3793678	3794157	479
HSAP0406S00003587	AY358611	N/A	N/A; DDDL1880; Homo sapiens clone DNA	3.24	4.11	7.77E-05 chr1	227778605	227779474	869
HSAP0406S00028473	AB002344	KIAA0346	KIAA0346; N/A; Human mRNA for KIAA034	3.24	4.27	5.31E-05 chr17	7682679	7683988	1309
HSAP0406S00022164	NM_003482	MLL2	MLL2; myeloid/lymphoid or mixed-lineage l	3.23	4.17	6.78E-05 chr12	47735205	47735854	649
HSAP0406S00010068	NM_181523	PIK3R1	PIK3R1; phosphoinositide-3-kinase, regulat	3.23	2.36	4.39E-03 chr5	67556928	67557667	739
HSAP0406S00011662	NM_005275	GNL1	GNL1; guanine nucleotide binding protein-li	3.23	4.99	1.03E-05 chr6	30632958	30633977	1019
HSAP0406S00020673	AL389982	N/A	N/A; AK001912 hypothetical protein; Homo	3.22	2.98	1.04E-03 chr11	68135304	68135863	559
HSAP0406S00009027	AB020721	KIAA0914	KIAA0914; KIAA0914 protein; Homo sapier	3.22	2.79	1.63E-03 chr4	90101370	90101899	529
HSAP0406S00027745	AB075868	KIAA1988	KIAA1988; KIAA1988 protein; Homo sapier	3.22	3.00	9.99E-04 chr16	67722972	67723501	529
HSAP0406S00028175	AF177341	N/A	N/A; unknown; Homo sapiens clone HC56 t	3.21	3.17	6.70E-04 chr17	599262	599831	569
HSAP0406S00030194	BC020925	MGC15523	MGC15523; MGC15523 protein; Homo sap	3.21	3.47	3.38E-04 chr17	76860958	76862047	1089
HSAP0406S00002849	NM_015569	DNM3	DNM3; dynamin 3; Homo sapiens dynamin	3.21	4.28	5.27E-05 chr1	168541595	168541934	339
HSAP0406S00027402	NM_015369	TP53TG3	TP53TG3; TP53TG3 protein; Homo sapien	3.21	3.96	1.10E-04 chr16	33168769	33169658	889
HSAP0406S00025718	BC051861	MGC5347	MGC5347; MGC5347 protein; Homo sapier	3.21	4.36	4.33E-05 chr15	43481087	43481866	779
HSAP0406S00010438	NM_014035	SNX24	SNX24; SBBI31 protein; Homo sapiens sor	3.21	2.57	2.68E-03 chr5	122207930	122208619	689
HSAP0406S00016306	NM_203403	C9orf150	C9orf150; chromosome 9 open reading frar	3.20	3.06	8.81E-04 chr9	12764882	12765211	329
HSAP0406S00020333	NM_012202	GN3	GN3; guanine nucleotide binding protein (	3.19	4.49	3.23E-05 chr11	62230609	62231348	739
HSAP0406S00021642	NM_001065	TNFRSF1A	TNFRSF1A; tumor necrosis factor receptor	3.18	3.40	3.96E-04 chr12	6321323	6321722	399
HSAP0406S00020805	BX640750	DKFZp686K10126	DKFZp686K10126; hypothetical protein; Hc	3.18	3.47	3.38E-04 chr11	74224050	74224569	519
HSAP0406S00001587	NM_012262	HS2ST1	HS2ST1; heparan sulfate 2-O-sulfotransfer	3.17	2.62	2.42E-03 chr1	87091313	87092028	715
HSAP0406S00024319	NM_001911	CTSG	CTSG; cathepsin G preproprotein; Homo s	3.17	2.74	1.82E-03 chr14	24115257	24115736	479
HSAP0406S00008111	BC048198	AHSG	AHSG; alpha-2-HS-glycoprotein; Homo sap	3.17	4.63	2.37E-05 chr3	187812821	187813750	929
HSAP0406S00011707	NM_080870	DPCR1	DPCR1; diffuse panbronchiolitis critical regi	3.16	2.41	3.89E-03 chr6	31026618	31027237	619
HSAP0406S00000848	NM_003757	EIF3S2	EIF3S2; eukaryotic translation initiation fact	3.16	6.13	7.47E-07 chr1	32356609	32357298	689
HSAP0406S00023118	AB044545	P/OKcl.4	P/OKcl.4; 2'-5' oligoadenylate synthetase 3;	3.16	3.11	7.78E-04 chr12	111838177	111839026	849
HSAP0406S00000733	NM_004672	MAP3K6	MAP3K6; mitogen-activated protein kinase	3.15	5.17	6.70E-06 chr1	27377540	27378309	769

HSAP0406S00023923	BC033823	DNAJC3	DNAJC3; DNAJC3 protein; Homo sapiens I	3.15	2.79	1.63E-03 chr13	95126150	95126909	759
HSAP0406S00015145	NM_001495	GFRA2	GFRA2; GDNF family receptor alpha 2 pref	3.15	4.45	3.55E-05 chr8	21653018	21653677	659
HSAP0406S00002328	NM_004515	ILF2	ILF2; interleukin enhancer binding factor 2;	3.14	6.74	1.83E-07 chr1	150456373	150457062	689
HSAP0406S00021097	NM_000051	ATM	ATM; ataxia telangiectasia mutated protein	3.14	6.48	3.29E-07 chr11	107598638	107599407	769
HSAP0406S00021096	NM_002519	NPAT	NPAT; nuclear protein, ataxia-telangiectasi	3.14	6.48	3.29E-07 chr11	107598638	107599617	979
HSAP0406S00025688	NM_016396	HSPC129	HSPC129; hypothetical protein HSPC129; I	3.14	2.05	8.82E-03 chr15	42506219	42506658	439
HSAP0406S00007987	NM_006218	PIK3CA	PIK3CA; phosphoinositide-3-kinase, catalyt	3.13	3.70	1.98E-04 chr3	180347963	180348872	909
HSAP0406S00010379	NM_152624	DCP2	DCP2; decapping enzyme hDcp2; Homo sa	3.13	4.54	2.90E-05 chr5	112339532	112340491	959
HSAP0406S00033761	NM_184244	RNPC2	RNPC2; RNA-binding region containing pro	3.13	2.28	5.29E-03 chr20	33793408	33793837	429
HSAP0406S00022362	NM_138473	SP1	SP1; Sp1 transcription factor; Homo sapien	3.12	4.80	1.57E-05 chr12	52058996	52060135	1139
HSAP0406S00026578	AK124887	N/A	N/A; N/A; Homo sapiens cDNA FLJ42897 fi	3.12	2.82	1.52E-03 chr16	677702	678201	499
HSAP0406S00032788	NM_138639	BCL2L12	BCL2L12; BCL2-like 12 isoform 1; Homo sa	3.12	2.20	6.32E-03 chr19	54859991	54860350	359
HSAP0406S00019008	AK093227	N/A	N/A; N/A; Homo sapiens cDNA FLJ35908 fi	3.12	2.55	2.82E-03 chr10	106102734	106103493	759
HSAP0406S00013170	NM_144781	PDCD2	PDCD2; programmed cell death 2 isoform 2	3.12	2.48	3.28E-03 chr6	170811561	170811800	239
HSAP0406S00036860	AB018328	KIAA0785	KIAA0785; KIAA0785 protein; Homo sapien	3.12	3.18	6.58E-04 chrY	2412940	2413639	699
HSAP0406S00007523	NM_013336	SEC61A1	SEC61A1; Sec61 alpha form 1; Homo sapien	3.11	2.94	1.15E-03 chr3	129252940	129253449	509
HSAP0406S00022563	NM_032496	ARHGAP9	ARHGAP9; Rho GTPase activating protein	3.11	2.06	8.65E-03 chr12	56169945	56170154	209
HSAP0406S00013504	AY358643	N/A	N/A; FKBP14; Homo sapiens clone DNA44	3.10	3.54	2.85E-04 chr7	29839378	29839887	509
HSAP0406S00027707	AK090445	FLJ00366	FLJ00366; FLJ00366 protein; Homo sapien	3.10	2.34	4.57E-03 chr16	66528172	66528601	429
HSAP0406S00020285	BC015220	VMD2	VMD2; VMD2 protein; Homo sapiens vitellif	3.10	3.17	6.74E-04 chr11	61473562	61474131	569
HSAP0406S00035342	NM_152613	MGC26816	MGC26816; hypothetical protein MGC2681	3.10	2.94	1.15E-03 chr22	40718362	40719111	749
HSAP0406S00028801	BX640839	DKFZp686K20216	DKFZp686K20216; hypothetical protein; Hc	3.10	2.59	2.57E-03 chr17	23907945	23908324	379
HSAP0406S00032620	NM_024301	FKRP	FKRP; fukutin-related protein; Homo sapien	3.10	2.55	2.82E-03 chr19	51939855	51940434	579
HSAP0406S00028498	AF116704	N/A	N/A; PRO2472; Homo sapiens PRO2472 nr	3.10	4.54	2.90E-05 chr17	8031716	8032575	859
HSAP0406S00002622	NM_002036	FY	FY; Duffy blood group; Homo sapiens Duffy	3.09	2.91	1.22E-03 chr1	155986663	155987532	869
HSAP0406S00005171	NM_005168	ARHE	ARHE; ras homolog gene family, member E	3.09	3.46	3.44E-04 chr2	151170133	151170942	809
HSAP0406S00002184	NM_021960	MCL1	MCL1; myeloid cell leukemia sequence 1 is	3.09	4.12	7.58E-05 chr1	147365250	147365909	659
HSAP0406S00032015	BC006342	GPI	GPI; GPI protein; Homo sapiens glucose pt	3.09	4.19	6.40E-05 chr19	39574734	39576043	1309
HSAP0406S00030952	AK025936	N/A	N/A; N/A; Homo sapiens cDNA: FLJ22283 f	3.09	3.34	4.56E-04 chr19	1327575	1328054	479
HSAP0406S00018823	AK094791	N/A	N/A; N/A; Homo sapiens cDNA FLJ37472 fi	3.08	3.47	3.38E-04 chr10	99333510	99334259	749
HSAP0406S00000871	NM_003680	YARS	YARS; tyrosyl-tRNA synthetase; Homo sap	3.08	3.11	7.78E-04 chr1	32953497	32953926	429
HSAP0406S00027645	NM_153425	TRADD	TRADD; TNFRSF1A-associated via death c	3.08	4.54	2.87E-05 chr16	65747560	65748609	1049
HSAP0406S00021241	NM_032046	MSP	MSP; mosaic serine protease; Homo sapien	3.07	4.03	9.40E-05 chr11	117305157	117306366	1209
HSAP0406S00033660	NM_004798	KIF3B	KIF3B; kinesin family member 3B; Homo sa	3.07	3.86	1.37E-04 chr20	30328698	30329097	399
HSAP0406S00015669	AK097600	N/A	N/A; N/A; Homo sapiens cDNA FLJ40281 fi	3.07	4.06	8.77E-05 chr8	88954541	88955432	891
HSAP0406S00029701	NM_006380	APPBP2	APPBP2; amyloid beta precursor protein-bii	3.07	3.56	2.76E-04 chr17	55958373	55959052	679
HSAP0406S00036902	AF527835	CYorf16	CYorf16; CYorf16 protein; Homo sapiens C	3.07	2.20	6.32E-03 chrY	9276799	9277258	459
HSAP0406S00001171	NM_002574	PRDX1	PRDX1; peroxiredoxin 1; Homo sapiens per	3.07	3.79	1.64E-04 chr1	45656783	45657112	329
HSAP0406S00009789	NM_013235	RNASE3L	RNASE3L; nuclear RNase III Drosha; Homo	3.06	4.53	2.96E-05 chr5	31567906	31568755	849
HSAP0406S00026769	Y14442	olfmf	olfmf; olfactory receptor protein; Homo sapi	3.06	4.03	9.40E-05 chr16	3192978	3193407	429
HSAP0406S00011838	NM_006913	RNF5	RNF5; ring finger protein 5; Homo sapiens i	3.06	3.27	5.32E-04 chr6	32253100	32253839	739

HSAP0406S00016123	AL157442	DKFZp586P1424	DKFZp586P1424; hypothetical protein; Hor	3.05	2.48	3.28E-03 chr8	145137925	145138524	599
HSAP0406S00021840	AF190165	MST162	MST162; MSTP162; Homo sapiens MSTP1	3.05	4.22	5.97E-05 chr12	12857283	12857762	479
HSAP0406S00029156	NM_033185	KRTAP3-3	KRTAP3-3; keratin associated protein 3-3; l	3.05	4.51	3.10E-05 chr17	36403712	36404281	569
HSAP0406S00008878	NM_017426	NUP54	NUP54; nucleoporin 54kDa; Homo sapiens	3.05	4.69	2.05E-05 chr4	77426765	77427444	679
HSAP0406S00027355	AF176924	MST134	MST134; MSTP134; Homo sapiens MSTP1	3.05	2.94	1.15E-03 chr16	31014183	31014512	329
HSAP0406S00004956	BC000596	N/A	source; N/A; N/A; Homo sapiens ribosomal	3.04	2.94	1.15E-03 chr2	114101714	114102173	459
HSAP0406S00019712	BX538021	DKFZp686H2469	DKFZp686H2469; hypothetical protein; Hor	3.04	3.86	1.37E-04 chr11	12184608	12185387	779
HSAP0406S00007885	NM_000882	IL12A	IL12A; interleukin 12A precursor; Homo sa	3.04	3.11	7.78E-04 chr3	161188051	161188850	799
HSAP0406S00017255	NM_014368	LHX6	LHX6; LIM homeobox protein 6 isoform 1; l	3.03	3.17	6.70E-04 chr9	122071069	122071688	619
HSAP0406S00011917	NM_022551	RPS18	RPS18; ribosomal protein S18; Homo sapie	3.03	5.28	5.19E-06 chr6	33347230	33348224	994
HSAP0406S00011916	NM_080564	VPS52	VPS52; suppressor of actin mutations 2-like	3.03	5.28	5.19E-06 chr6	33347230	33348224	994
HSAP0406S00014475	BC045532	LSM8	LSM8; LSM8 protein; Homo sapiens LSM8	3.03	2.25	5.58E-03 chr7	117417449	117418108	659
HSAP0406S00002432	BC000349	GBA	GBA; GBA protein; Homo sapiens glucosid	3.03	5.66	2.20E-06 chr1	152010107	152011006	899
HSAP0406S00031826	NM_004838	HOMER3	HOMER3; Homer, neuronal immediate earl	3.02	2.29	5.16E-03 chr19	18913324	18913863	539
HSAP0406S00013280	AB007875	KIAA0415	KIAA0415; N/A; Homo sapiens KIAA0415 n	3.02	2.50	3.20E-03 chr7	4587244	4587763	519
HSAP0406S00027757	NM_030579	CYB5-M	CYB5-M; cytochrome b5 outer mitochondria	3.02	3.27	5.32E-04 chr16	68015764	68016263	499
HSAP0406S00020302	AK091153	N/A	N/A; N/A; Homo sapiens cDNA FLJ33834 fi	3.01	4.06	8.64E-05 chr11	62052607	62053266	659
HSAP0406S00024093	BC004820	N/A	N/A; Unknown (protein for IMAGE:3450558	3.01	3.30	5.07E-04 chr13	114107764	114108720	956
HSAP0406S00009067	M12272	ADH3	ADH3; alcohol dehydrogenase 1; Homo sa	3.01	5.59	2.59E-06 chr4	100631062	100631611	549
HSAP0406S00012187	NM_006502	POLH	POLH; polymerase (DNA directed), eta; Ho	3.00	2.95	1.13E-03 chr6	43650923	43651422	499
HSAP0406S00004145	NM_003162	STRN	STRN; striatin, calmodulin binding protein; l	3.00	3.09	8.12E-04 chr2	37105947	37106496	549
HSAP0406S00000865	NM_178547	ARCH	ARCH; archaease; Homo sapiens archaease	3.00	4.91	1.23E-05 chr1	32784967	32785678	711
HSAP0406S00005800	NM_152862	ARPC2	ARPC2; actin related protein 2/3 complex s	3.00	2.20	6.32E-03 chr2	218906410	218906799	389
HSAP0406S00008573	NM_018302	FLJ11017	FLJ11017; hypothetical protein FLJ11017; l	3.00	4.99	1.03E-05 chr4	37408201	37408620	419
HSAP0406S00009341	NM_002940	ABCE1	ABCE1; ATP-binding cassette, sub-family E	2.99	3.06	8.81E-04 chr4	146376171	146376980	809
HSAP0406S00022311	NM_015848	HUMCYT2A	HUMCYT2A; cytokeratin 2; Homo sapiens c	2.99	3.18	6.58E-04 chr12	51457813	51458252	439
HSAP0406S00008897	BC032518	CCNG2	CCNG2; CCNG2 protein; Homo sapiens cy	2.99	3.30	5.07E-04 chr4	78434907	78435296	389
HSAP0406S00017598	NM_181491	SURF5	SURF5; surfeit 5 isoform a; Homo sapiens s	2.99	3.54	2.85E-04 chr9	133245267	133245736	469
HSAP0406S00031222	NM_032306	SPATA11	SPATA11; spermatogenesis associated 11;	2.99	7.75	1.77E-08 chr19	6323294	6323613	319
HSAP0406S00010335	NM_180991	SLCO4C1	SLCO4C1; solute carrier organic anion tran	2.99	2.79	1.63E-03 chr5	101660203	101660512	309
HSAP0406S00007223	NM_020202	NIT2	NIT2; nitrilase family, member 2; Homo sap	2.99	3.11	7.78E-04 chr3	101535748	101536187	439
HSAP0406S00030009	NM_001258	CDK3	CDK3; cyclin-dependent kinase 3; Homo sa	2.98	4.49	3.23E-05 chr17	71507754	71508293	539
HSAP0406S00001781	NM_001006603	MG29	MG29; mitsugumin 29; Homo sapiens mits	2.98	2.41	3.89E-03 chr1	109733833	109734602	769
HSAP0406S00024597	NM_020810	KIAA1393	KIAA1393; tRNA-(N1G37) methyltransferas	2.98	2.74	1.82E-03 chr14	60518009	60518598	589
HSAP0406S00006160	AL050143	N/A	source; N/A; N/A; Homo sapiens mRNA; cD	2.98	3.56	2.76E-04 chr2	241751472	241752331	859
HSAP0406S00001007	NM_004552	NDUFS5	NDUFS5; NADH dehydrogenase (ubiquinon	2.97	6.56	2.74E-07 chr1	39160529	39161298	769
HSAP0406S00009876	NM_002310	LIFR	LIFR; N/A; Homo sapiens leukemia inhibito	2.97	3.86	1.39E-04 chr5	38631104	38631573	469
HSAP0406S00013524	AK128558	N/A	N/A; N/A; Homo sapiens cDNA FLJ46717 fi	2.97	5.28	5.21E-06 chr7	30591090	30591769	679
HSAP0406S00024707	NM_014734	KIAA0247	KIAA0247; KIAA0247; Homo sapiens KIAA	2.97	3.11	7.78E-04 chr14	69146786	69147715	929
HSAP0406S00001366	NM_002228	JUN	JUN; v-jun avian sarcoma virus 17 oncog	2.96	5.69	2.05E-06 chr1	58962480	58963026	546
HSAP0406S00008767	AF241539	N/A	N/A; ncaml; Homo sapiens ncaml mRNA, c	2.96	8.66	2.18E-09 chr4	69806030	69806439	409

HSAP0406S00008766	AF242527	N/A	N/A; pparl; Homo sapiens pparl mRNA, con	2.96	8.66	2.18E-09 chr4	69806030	69806439	409
HSAP0406S00012137	BC048331	PEX6	PEX6; peroxisomal biogenesis factor 6; Ho	2.96	3.66	2.21E-04 chr6	43054923	43055742	819
HSAP0406S00018429	BC016172	H2AFY2	H2AFY2; core histone macroH2A2.2; Homc	2.96	3.86	1.39E-04 chr10	71481637	71482426	789
HSAP0406S00006813	NM_003458	BSN	BSN; bassoon; Homo sapiens bassoon (pre	2.96	2.39	4.07E-03 chr3	49565896	49566455	559
HSAP0406S00020574	NM_005700	DPP3	DPP3; dipeptidylpeptidase III isoform 1; Ho	2.96	2.06	8.65E-03 chr11	66003421	66003940	519
HSAP0406S00013484	NM_018951	HOXA10	HOXA10; homeobox protein A10 isoform a;	2.96	3.80	1.57E-04 chr7	26987684	26988413	729
HSAP0406S00000967	NM_025079	FLJ23231	FLJ23231; hypothetical protein FLJ23231; l	2.96	2.20	6.32E-03 chr1	37608066	37608555	489
HSAP0406S00028776	AY251535	N/A	N/A; HSD24; Homo sapiens HSD24 mRNA	2.95	4.71	1.94E-05 chr17	23233752	23234511	759
HSAP0406S00027231	NM_031211	LAT1-3TM	LAT1-3TM; LAT1-3TM protein; Homo sapie	2.95	2.57	2.68E-03 chr16	29533090	29533619	529
HSAP0406S00020481	NM_145719	TIGD3	TIGD3; trigger transposable element deriv	2.95	3.37	4.29E-04 chr11	64877626	64878375	749
HSAP0406S00013700	NM_005856	RAMP3	RAMP3; receptor (calcitonin) activity modify	2.95	2.39	4.07E-03 chr7	44969629	44970308	679
HSAP0406S00019586	NM_012192	FXC1	FXC1; fracture callus 1 homolog; Homo sa	2.95	2.48	3.28E-03 chr11	6458156	6458665	509
HSAP0406S00014989	AF355799	N/A	N/A; retrocyclin; Homo sapiens retrocyclin r	2.95	2.71	1.94E-03 chr8	6834664	6835143	479
HSAP0406S00021043	BC002591	MMP10	MMP10; matrix metalloproteinase 10, prepr	2.94	2.06	8.65E-03 chr11	102156377	102156646	269
HSAP0406S00021254	NM_005797	EVA1	EVA1; epithelial V-like antigen 1 precursor;	2.94	4.19	6.40E-05 chr11	117640040	117640699	659
HSAP0406S00008901	NM_020236	MRPL1	MRPL1; mitochondrial ribosomal protein L1	2.94	4.49	3.23E-05 chr4	79140630	79141229	599
HSAP0406S00010126	AK130833	N/A	N/A; N/A; Homo sapiens cDNA FLJ27323 fi	2.94	3.46	3.44E-04 chr5	70537993	70538342	349
HSAP0406S00002827	NM_152281	FLJ11752	FLJ11752; hypothetical protein FLJ11752; l	2.94	5.75	1.78E-06 chr1	167232388	167233127	739
HSAP0406S00028615	NM_152350	MGC40157	MGC40157; hypothetical protein MGC4015	2.94	3.86	1.37E-04 chr17	16282297	16282946	649
HSAP0406S00031730	BC017706	N/A	source; N/A; N/A; Homo sapiens 6-phosph	2.93	5.52	3.00E-06 chr19	17483172	17483382	210
HSAP0406S00031731	NM_012088	PGLS	PGLS; 6-phosphogluconolactonase; Homo	2.93	5.52	3.00E-06 chr19	17483172	17483382	210
HSAP0406S00008404	AK125859	N/A	N/A; N/A; Homo sapiens cDNA FLJ43871 fi	2.93	4.03	9.40E-05 chr4	6320987	6321786	799
HSAP0406S00008403	NM_144720	MARLIN1	MARLIN1; multiple coiled-coil GABABR1-bi	2.93	4.03	9.40E-05 chr4	6320987	6321406	419
HSAP0406S00003194	NM_198447	FLJ42654	FLJ42654; FLJ42654 protein; Homo sapien	2.92	4.63	2.37E-05 chr1	200914838	200915557	719
HSAP0406S00024814	NM_002632	PGF	PGF; placental growth factor, vascular end	2.92	2.71	1.94E-03 chr14	74492605	74493194	589
HSAP0406S00033596	AF494536	N/A	N/A; cystatin 9; Homo sapiens cystatin 9 m	2.91	3.54	2.85E-04 chr20	23534334	23535083	749
HSAP0406S00022489	BC014400	MLC1SA	MLC1SA; myosin alkali light chain 1 slow a;	2.91	3.17	6.74E-04 chr12	54831621	54832090	469
HSAP0406S00006910	AK096073	N/A	N/A; N/A; Homo sapiens cDNA FLJ38754 fi	2.91	2.79	1.63E-03 chr3	51984317	51984946	629
HSAP0406S00016461	NM_004323	BAG1	BAG1; BCL2-associated athanogene isofo	2.91	2.79	1.63E-03 chr9	33255050	33255817	767
HSAP0406S00029111	BC000638	N/A	source; N/A; N/A; Homo sapiens ORM1-like	2.90	2.89	1.30E-03 chr17	35332314	35332823	509
HSAP0406S00034976	NM_001886	CRYBA4	CRYBA4; crystallin, beta A4; Homo sapiens	2.90	3.11	7.78E-04 chr22	25342192	25342601	409
HSAP0406S00008166	NM_130837	OPA1	OPA1; optic atrophy 1 isoform 8; Homo sap	2.90	2.06	8.65E-03 chr3	194793124	194793493	369
HSAP0406S00008076	AK126656	N/A	N/A; N/A; Homo sapiens cDNA FLJ44700 fi	2.90	3.80	1.57E-04 chr3	185537335	185538024	689
HSAP0406S00026038	NM_020147	THAP10	THAP10; THAP domain containing 10; Horr	2.90	5.82	1.52E-06 chr15	68971913	68972467	554
HSAP0406S00015004	NM_016512	SPAG11	SPAG11; N/A; Homo sapiens sperm associ	2.89	2.18	6.66E-03 chr8	7308403	7308972	569
HSAP0406S00023832	NM_198441	FLJ40296	FLJ40296; FLJ40296 protein; Homo sapien	2.89	2.06	8.65E-03 chr13	56638232	56638751	519
HSAP0406S00029676	NM_024612	DHX40	DHX40; DEAH (Asp-Glu-Ala-His) box polyp	2.89	6.35	4.50E-07 chr17	54997008	54997857	849
HSAP0406S00007891	NM_005496	SMC4L1	SMC4L1; SMC4 structural maintenance of	2.89	6.27	5.32E-07 chr3	161600549	161601302	753
HSAP0406S00007890	NM_020800	KIAA1374	KIAA1374; KIAA1374 protein; Homo sapier	2.89	6.27	5.32E-07 chr3	161600549	161601302	753
HSAP0406S00022645	NM_002076	GNS	GNS; glucosamine (N-acetyl)-6-sulfatase p	2.89	3.18	6.58E-04 chr12	63439490	63440209	719
HSAP0406S00024157	NM_016423	ZNF219	ZNF219; zinc finger protein 219; Homo sap	2.88	3.86	1.39E-04 chr14	20636930	20637889	959



HSAP0406S00033176	BC008651	MGC9913	MGC9913; MGC9913 protein; Homo sapiens	2.88	2.75	1.78E-03 chr19	61681134	61681615	481
HSAP0406S00031587	BC013280	LOC90379	LOC90379; LOC90379 protein; Homo sapiens	2.87	3.17	6.74E-04 chr19	13925158	13925897	739
HSAP0406S00021219	NM_207343	DKFZp547C195	DKFZp547C195; hypothetical protein DKFZ	2.87	2.71	1.94E-03 chr11	116607390	116607921	531
HSAP0406S00029555	S67495	alpha1(I) procollagen	alpha1(I) procollagen; alpha1(I) procollagen	2.87	2.39	4.07E-03 chr17	45630103	45630672	569
HSAP0406S00006371	NM_000060	BTD	BTD; biotinidase precursor; Homo sapiens	2.87	4.58	2.65E-05 chr3	15617537	15618091	554
HSAP0406S00035119	NM_203377	MB	MB; myoglobin; Homo sapiens myoglobin (l	2.87	7.38	4.13E-08 chr22	34343812	34344191	379
HSAP0406S00018309	AB014589	KIAA0689	KIAA0689; KIAA0689 protein; Homo sapiens	2.87	7.94	1.15E-08 chr10	53128950	53129471	521
HSAP0406S00003272	AF116608	N/A	N/A; PRO0907; Homo sapiens PRO0907 m	2.87	3.47	3.38E-04 chr1	203610829	203611548	719
HSAP0406S00011048	NM_001004348	FLJ16171	FLJ16171; FLJ16171 protein; Homo sapiens	2.87	3.63	2.32E-04 chr5	174356271	174356630	359
HSAP0406S00001367	BC002646	N/A	source; N/A; N/A; Homo sapiens v-jun sarc	2.87	5.69	2.05E-06 chr1	58962480	58963026	546
HSAP0406S00020540	NM_033036	GAL3ST3	GAL3ST3; galactose-3-O-sulfotransferase	2.87	3.78	1.65E-04 chr11	65573628	65574207	579
HSAP0406S00008731	AF492675	OB1	OB1; odd homeobox 1 protein isoform A; H	2.87	4.17	6.78E-05 chr4	57388585	57389274	689
HSAP0406S00006632	NM_022842	CDCP1	CDCP1; CUB domain-containing protein 1 i	2.86	2.57	2.68E-03 chr3	45163299	45163908	609
HSAP0406S00019513	NM_001005237	OR51G1	OR51G1; olfactory receptor, family 51, subf	2.86	3.80	1.57E-04 chr11	4901956	4902335	379
HSAP0406S00004098	NM_004304	ALK	ALK; anaplastic lymphoma kinase Ki-1; Hor	2.86	2.20	6.32E-03 chr2	30056474	30056813	339
HSAP0406S00029871	NM_001050	SSTR2	SSTR2; somatostatin receptor 2; Homo sapi	2.86	3.30	5.07E-04 chr17	68672085	68672714	629
HSAP0406S00002221	AK056322	N/A	N/A; N/A; Homo sapiens cDNA FLJ31760 fi	2.86	2.34	4.57E-03 chr1	147950435	147950897	462
HSAP0406S00003609	BC025793	N/A	N/A; Unknown (protein for IMAGE:3858121	2.86	3.18	6.58E-04 chr1	230815488	230816107	619
HSAP0406S00027658	NM_012163	LRR29	LRR29; F-box and leucine-rich repeat pro	2.86	2.34	4.57E-03 chr16	65818953	65819442	489
HSAP0406S00009850	NM_153013	FLJ30596	FLJ30596; hypothetical protein FLJ30596; l	2.85	2.60	2.50E-03 chr5	36278582	36279111	529
HSAP0406S00008382	NM_032927	MGC13159	MGC13159; hypothetical protein MGC1315	2.85	3.86	1.37E-04 chr4	4368027	4368656	629
HSAP0406S00026267	NM_024580	EFTUD1	EFTUD1; elongation factor Tu GTP binding	2.85	3.27	5.32E-04 chr15	80342187	80342856	669
HSAP0406S00021464	AK128605	N/A	N/A; N/A; Homo sapiens cDNA FLJ46764 fi	2.85	4.98	1.04E-05 chr11	125784483	125785002	519
HSAP0406S00005916	AK096323	N/A	N/A; N/A; Homo sapiens cDNA FLJ39004 fi	2.85	2.83	1.50E-03 chr2	223113696	223114475	779
HSAP0406S00029187	BC041070	KRTHA4	KRTHA4; type I hair keratin 4; Homo sapiens	2.85	4.33	4.69E-05 chr17	36792292	36792771	479
HSAP0406S00035924	NM_006521	TFE3	TFE3; transcription factor binding to IGHM	2.85	2.95	1.13E-03 chrX	48657840	48658479	639
HSAP0406S00016226	AK125998	N/A	N/A; N/A; Homo sapiens cDNA FLJ44010 fi	2.84	2.79	1.63E-03 chr9	4251	4440	189
HSAP0406S00026262	BX640632	N/A	source; N/A; N/A; Homo sapiens mRNA; cD	2.84	4.98	1.04E-05 chr15	79453420	79453799	379
HSAP0406S00000938	NM_012199	EIF2C1	EIF2C1; eukaryotic translation initiation fact	2.84	4.29	5.13E-05 chr1	36017303	36017802	499
HSAP0406S00001178	BC013608	LOC51249	LOC51249; LOC51249 protein; Homo sapiens	2.84	2.48	3.28E-03 chr1	45822408	45823157	749
HSAP0406S00029554	S64717	COL1A1	COL1A1; type I procollagen alpha 1 chain; l	2.84	3.17	6.70E-04 chr17	45628496	45629205	709
HSAP0406S00028960	BC027591	CCT6B	CCT6B; CCT6B protein; Homo sapiens cha	2.84	4.03	9.40E-05 chr17	30312796	30313675	879
HSAP0406S00026373	AK124891	N/A	N/A; N/A; Homo sapiens cDNA FLJ42901 fi	2.84	3.18	6.58E-04 chr15	87735600	87736219	619
HSAP0406S00022448	NM_033082	CIP29	CIP29; cytokine induced protein 29 kDa; Hc	2.83	3.06	8.81E-04 chr12	54497574	54497853	279
HSAP0406S00002054	NM_032305	MGC3200	MGC3200; hypothetical protein MGC3200; c	2.83	3.09	8.12E-04 chr1	142959482	142960171	689
HSAP0406S00035853	BC025179	CXorf24	CXorf24; CXorf24 protein; Homo sapiens cl	2.83	2.06	8.65E-03 chrX	47097964	47098223	259
HSAP0406S00002312	NM_014624	S100A6	S100A6; S100 calcium-binding protein A6; l	2.83	3.54	2.85E-04 chr1	150322321	150323090	769
HSAP0406S00033909	AY372172	SPINT1	SPINT1; serine protease inhibitor Kunitz typ	2.83	5.53	2.96E-06 chr20	43577477	43577886	409
HSAP0406S00019304	NM_053280	ODF3	ODF3; sperm tail protein SHIPPO1; Homo s	2.83	2.82	1.50E-03 chr11	185961	186640	679
HSAP0406S00009938	NM_021072	HCN1	HCN1; hyperpolarization activated cyclic nu	2.82	2.20	6.32E-03 chr5	45732708	45733087	379
HSAP0406S00006282	NM_033084	FANCD2	FANCD2; Fanconi anemia, complementatio	2.82	2.82	1.50E-03 chr3	10042388	10042941	553

HSAP0406S00030105	AL359590	DKFZp762M186	DKFZp762M186; hypothetical protein; Hom	2.81	3.11	7.78E-04 chr17	73908097	73908456	359
HSAP0406S00032133	NM_032825	ZNF382	ZNF382; zinc finger protein 382; Homo sap	2.81	2.41	3.89E-03 chr19	41787011	41787550	539
HSAP0406S00010115	AK130833	N/A	N/A; N/A; Homo sapiens cDNA FLJ27323 fi	2.81	3.18	6.58E-04 chr5	69852055	69852404	349
HSAP0406S00033841	NM_015035	ZHX3	ZHX3; zinc fingers and homeoboxes 3 prote	2.81	2.41	3.89E-03 chr20	39362614	39363193	579
HSAP0406S00007382	NM_003889	NR1I2	NR1I2; pregnane X receptor isoform 1I; Hor	2.81	2.82	1.50E-03 chr3	120981741	120982180	439
HSAP0406S00001691	NM_017734	PALMD	PALMD; palmdelphin; Homo sapiens palmc	2.81	3.11	7.78E-04 chr1	99822729	99823758	1029
HSAP0406S00002140	BC063405	N/A	N/A; Unknown (protein for MGC:75015); Hc	2.81	3.28	5.26E-04 chr1	146683618	146684137	519
HSAP0406S00011543	AK126160	N/A	N/A; N/A; Homo sapiens cDNA FLJ44172 fi	2.80	3.30	5.07E-04 chr6	27328174	27328933	759
HSAP0406S00019482	NM_020402	CHRNA10	CHRNA10; cholinergic receptor, nicotinic, a	2.80	2.42	3.80E-03 chr11	3649301	3650000	699
HSAP0406S00008206	AK125174	N/A	N/A; N/A; Homo sapiens cDNA FLJ43184 fi	2.80	2.86	1.40E-03 chr3	197176153	197176952	799
HSAP0406S00014760	NM_001005281	OR6B1	OR6B1; olfactory receptor, family 6, subfar	2.80	3.94	1.14E-04 chr7	143138318	143138937	619
HSAP0406S00030875	AB075837	KIAA1957	KIAA1957; KIAA1957 protein; Homo sapier	2.80	4.36	4.33E-05 chr19	360421	361030	609
HSAP0406S00031127	NM_024333	FSD1	FSD1; fibronectin type 3 and SPRY domain	2.80	6.01	9.78E-07 chr19	4254751	4255370	619
HSAP0406S00014287	AF016693	MUC3	MUC3; small intestinal mucin MUC3; Homo	2.80	3.42	3.81E-04 chr7	100270900	100271649	749
HSAP0406S00021538	AK123661	N/A	N/A; N/A; Homo sapiens cDNA FLJ41667 fi	2.80	2.50	3.20E-03 chr11	133652340	133652879	539
HSAP0406S00013454	NM_145323	OSBPL3	OSBPL3; oxysterol-binding protein-like prot	2.80	2.89	1.30E-03 chr7	24793041	24793780	739
HSAP0406S00003575	NM_024525	TTC13	TTC13; tetratricopeptide repeat domain 13;	2.80	2.06	8.65E-03 chr1	227421790	227422159	369
HSAP0406S00012711	AY033606	N/A	N/A; fused in glioblastoma; Homo sapiens f	2.80	5.37	4.26E-06 chr6	118030242	118030891	649
HSAP0406S00008192	AK125174	N/A	N/A; N/A; Homo sapiens cDNA FLJ43184 fi	2.79	5.35	4.48E-06 chr3	196902854	196903633	779
HSAP0406S00003534	AL080128	DKFZp434C153	DKFZp434C153; hypothetical protein; Hom	2.79	2.48	3.28E-03 chr1	224793752	224794421	669
HSAP0406S00025596	AF121908	N/A	N/A; cytosolic phospholipase A2 beta; Hom	2.79	5.17	6.70E-06 chr15	39906083	39906482	399
HSAP0406S00025595	AL834413	DKFZp547E168	DKFZp547E168; hypothetical protein; Hom	2.79	5.17	6.70E-06 chr15	39906083	39906482	399
HSAP0406S00003764	NM_001004691	OR2M7	OR2M7; olfactory receptor, family 2, subfan	2.79	4.27	5.31E-05 chr1	244813742	244814141	399
HSAP0406S00014345	NM_145032	FBXL13	FBXL13; F-box and leucine-rich repeat prot	2.79	3.53	2.97E-04 chr7	102308579	102309098	519
HSAP0406S00004896	NM_032260	RANBP2L1	RANBP2L1; RAN-binding protein 2-like 1 is	2.79	4.90	1.27E-05 chr2	111053159	111053598	439
HSAP0406S00018770	NM_013314	BLNK	BLNK; B-cell linker; Homo sapiens B-cell lir	2.79	4.17	6.78E-05 chr10	98021157	98022336	1179
HSAP0406S00031227	NM_003685	KHSRP	KHSRP; KH-type splicing regulatory protein	2.79	3.47	3.38E-04 chr19	6376016	6376685	669
HSAP0406S00021714	AB018269	KIAA0726	KIAA0726; KIAA0726 protein; Homo sapier	2.78	3.66	2.20E-04 chr12	7175199	7176448	1249
HSAP0406S00021124	NM_207430	FLJ46266	FLJ46266; FLJ46266 protein; Homo sapien	2.78	2.98	1.04E-03 chr11	110890260	110890919	659
HSAP0406S00010288	BC054885	DKFZp564C0469	DKFZp564C0469; DKFZp564C0469 proteir	2.78	5.43	3.74E-06 chr5	93979428	93980080	652
HSAP0406S00004811	NM_024065	PDCL3	PDCL3; phosducin-like 3; Homo sapiens ph	2.78	3.11	7.78E-04 chr2	100636715	100637324	609
HSAP0406S00002314	BC016300	S100A4	S100A4; S100 calcium-binding protein A4; l	2.78	2.96	1.11E-03 chr1	150331706	150332645	939
HSAP0406S00006828	D87452	KIAA0263	KIAA0263; KIAA0263 protein; Homo sapier	2.78	2.29	5.16E-03 chr3	49799271	49799810	539
HSAP0406S00003586	NM_175876	EXOC8	EXOC8; exocyst complex 84-kDa subunit; l	2.78	5.06	8.70E-06 chr1	227780409	227781538	1129
HSAP0406S00002484	AB020714	KIAA0907	KIAA0907; KIAA0907 protein; Homo sapier	2.78	2.34	4.57E-03 chr1	152717784	152718003	219
HSAP0406S00023831	NM_198441	FLJ40296	FLJ40296; FLJ40296 protein; Homo sapien	2.78	2.06	8.65E-03 chr13	56631667	56632186	519
HSAP0406S00015057	NM_053279	C8orf13	C8orf13; chromosome 8 open reading fram	2.77	2.34	4.57E-03 chr8	11362444	11362853	409
HSAP0406S00020250	NM_153611	MGC20446	MGC20446; hypothetical protein MGC2044	2.77	3.37	4.29E-04 chr11	60886466	60886995	529
HSAP0406S00004051	NM_177983	PPM1G	PPM1G; protein phosphatase 1G; Homo sa	2.77	2.33	4.67E-03 chr2	27544278	27544957	679
HSAP0406S00020709	NM_001001680	FLJ42102	FLJ42102; FLJ42102 protein; Homo sapien	2.77	3.56	2.76E-04 chr11	70812459	70813298	839
HSAP0406S00010143	D87453	KIAA0264	KIAA0264; N/A; Human mRNA for KIAA026	2.76	7.74	1.81E-08 chr5	71651444	71652369	925

HSAP0406S00014691	BC008402	SSBP1	SSBP1; SSBP1 protein; Homo sapiens sing	2.76	8.03	9.28E-09 chr7	140891035	140891644	609
HSAP0406S00016532	AK130546	N/A	N/A; N/A; Homo sapiens cDNA FLJ27036 fi	2.76	2.34	4.57E-03 chr9	35093474	35094003	529
HSAP0406S00026156	NM_002833	PTPN9	PTPN9; protein tyrosine phosphatase, non-	2.76	3.11	7.78E-04 chr15	73658821	73659480	659
HSAP0406S00023829	NM_198441	FLJ40296	FLJ40296; FLJ40296 protein; Homo sapien	2.75	2.06	8.65E-03 chr13	56618523	56619042	519
HSAP0406S00024216	AY358199	N/A	N/A; CDH24; Homo sapiens clone DNA203	2.75	2.94	1.15E-03 chr14	22594974	22595393	419
HSAP0406S00010930	AF132197	N/A	N/A; PRO1331; Homo sapiens PRO1331 rr	2.75	2.60	2.50E-03 chr5	156752262	156753061	799
HSAP0406S00026006	NM_017882	CLN6	CLN6; CLN6 protein; Homo sapiens ceroid-	2.75	3.11	7.78E-04 chr15	66309680	66310319	639
HSAP0406S00029226	NM_001096	ACLY	ACLY; ATP citrate lyase isoform 1; Homo s	2.75	3.17	6.70E-04 chr17	37329429	37329998	569
HSAP0406S00011949	NM_002418	MLN	MLN; motilin; Homo sapiens motilin (MLN),	2.75	2.60	2.50E-03 chr6	33880632	33881041	409
HSAP0406S00007443	NM_198402	PTPLB	PTPLB; protein tyrosine phosphatase-like (j	2.75	4.00	9.96E-05 chr3	124786563	124787352	789
HSAP0406S00014919	BC007902	C7orf3	C7orf3; C7orf3 protein; Homo sapiens chroi	2.74	3.92	1.21E-04 chr7	156253123	156254582	1459
HSAP0406S00017856	BX537374	DKFZp686N0199	DKFZp686N0199; hypothetical protein; Hor	2.74	3.27	5.32E-04 chr10	3814018	3815007	989
HSAP0406S00032872	AF113140	N/A	N/A; serine protease prostase; Homo sapie	2.74	4.54	2.87E-05 chr19	56105607	56106616	1009
HSAP0406S00029022	NM_004773	TRIP3	TRIP3; thyroid hormone receptor interactor	2.74	3.94	1.14E-04 chr17	31915969	31916748	779
HSAP0406S00030130	AK123188	N/A	N/A; N/A; Homo sapiens cDNA FLJ41194 fi	2.73	2.89	1.30E-03 chr17	74857516	74857835	319
HSAP0406S00017786	NM_001004353	LOC441476	LOC441476; hypothetical gene supported b	2.73	2.94	1.15E-03 chr9	137420507	137420896	389
HSAP0406S00011283	AF035316	N/A	N/A; N/A; Homo sapiens clone 23678 mRN	2.73	6.96	1.10E-07 chr6	3171405	3172294	889
HSAP0406S00011282	AL050056	DKFZp566F223	DKFZp566F223; hypothetical protein; Hom	2.73	6.96	1.10E-07 chr6	3171405	3172294	889
HSAP0406S00033872	NM_024331	C20orf121	C20orf121; chromosome 20 open reading fi	2.73	3.30	5.07E-04 chr20	42537191	42537720	529
HSAP0406S00012731	NM_152730	C6orf170	C6orf170; hypothetical protein FLJ30899; f	2.73	2.34	4.57E-03 chr6	121697426	121698275	849
HSAP0406S00028982	NM_000286	PEX12	PEX12; peroxisomal biogenesis factor 12; f	2.73	3.46	3.44E-04 chr17	30929528	30930437	909
HSAP0406S00010151	X53280	BTF3a	BTF3a; general transcription factor; H.sapie	2.73	3.86	1.39E-04 chr5	72829046	72829975	929
HSAP0406S00001137	BX537895	DKFZp686L09142	DKFZp686L09142; hypothetical protein; Ho	2.73	3.27	5.32E-04 chr1	44349182	44349801	619
HSAP0406S00036218	BC043215	SATL1	SATL1; SATL1 protein; Homo sapiens sper	2.73	3.09	8.12E-04 chrX	84169812	84170571	759
HSAP0406S00005848	NM_152389	MGC35338	MGC35338; hypothetical protein MGC3533	2.73	3.70	1.98E-04 chr2	219731601	219732340	739
HSAP0406S00033397	NM_001501	GNRH2	GNRH2; gonadotropin-releasing hormone 2	2.72	3.32	4.79E-04 chr20	2971018	2971647	629
HSAP0406S00026814	NM_005147	DNAJA3	DNAJA3; DnaJ (Hsp40) homolog, subfamily	2.72	2.06	8.65E-03 chr16	4415423	4415622	199
HSAP0406S00022456	AF370398	N/A	N/A; PP10764; Homo sapiens PP10764 mF	2.72	3.40	3.95E-04 chr12	54512288	54513097	809
HSAP0406S00019639	NM_003320	TUB	TUB; tubby isoform a; Homo sapiens tubby	2.72	3.30	5.07E-04 chr11	8015546	8016045	499
HSAP0406S00020536	NM_003860	BANF1	BANF1; barrier to autointegration factor 1; f	2.72	8.48	3.34E-09 chr11	65525546	65526384	838
HSAP0406S00032149	NM_152655	ZNF585A	ZNF585A; zinc finger protein 585A; Homo s	2.72	2.82	1.50E-03 chr19	42355256	42355765	509
HSAP0406S00023562	U82313	N/A	N/A; unknown; Homo sapiens unknown pro	2.72	3.10	7.96E-04 chr13	25445096	25445615	519
HSAP0406S00018805	NM_015179	KIAA0690	KIAA0690; KIAA0690; Homo sapiens KIAA	2.71	2.64	2.28E-03 chr10	99150856	99151285	429
HSAP0406S00009917	AK075204	N/A	N/A; N/A; Homo sapiens cDNA FLJ90723 fi	2.71	3.86	1.37E-04 chr5	43102631	43103410	779
HSAP0406S00032633	NM_014417	BBC3	BBC3; BCL2 binding component 3; Homo s	2.71	3.23	5.92E-04 chr19	52426542	52427091	549
HSAP0406S00023032	NM_183414	UBE3B	UBE3B; ubiquitin protein ligase E3B isoform	2.71	3.80	1.57E-04 chr12	108376869	108377568	699
HSAP0406S00007691	NM_024491	Cep70	Cep70; centrosomal protein 70 kDa; Homo	2.71	3.11	7.78E-04 chr3	139795978	139796557	579
HSAP0406S00007703	BC000326	COPB2	COPB2; coatomer protein complex, subunit	2.71	4.36	4.33E-05 chr3	140591227	140591786	559
HSAP0406S00035223	NM_007068	DMC1	DMC1; DMC1 dosage suppressor of mck1 l	2.71	2.82	1.50E-03 chr22	37291180	37291859	679
HSAP0406S00018090	BC033839	N/A	N/A; Unknown (protein for MGC:45541); Hc	2.70	3.29	5.12E-04 chr10	29175343	29175542	199
HSAP0406S00023668	BC014346	N/A	N/A; Unknown (protein for IMAGE:4042988	2.70	4.19	6.40E-05 chr13	40009125	40009504	379

HSAP0406S00029477	NM_018129	PNPO	PNPO; pyridoxine 5'-phosphate oxidase; Homo sapiens	2.70	2.63	2.32E-03 chr17	43373386	43373745	359
HSAP0406S00002319	BC000632	S100A13	S100A13; S100A13 protein; Homo sapiens	2.70	2.60	2.50E-03 chr1	150411893	150412492	599
HSAP0406S00009039	NM_001510	GRID2	GRID2; glutamate receptor, ionotropic, delta 2	2.70	2.48	3.28E-03 chr4	93582576	93583125	549
HSAP0406S00002824	NM_020423	PACE-1	PACE-1; ezrin-binding partner PACE-1 isoform 1	2.70	4.28	5.27E-05 chr1	166594886	166595235	349
HSAP0406S00020732	NM_017907	FLJ20625	FLJ20625; hypothetical protein FLJ20625; Homo sapiens	2.70	2.94	1.15E-03 chr11	71492121	71492580	459
HSAP0406S00008001	NM_002492	NDUFB5	NDUFB5; NADH dehydrogenase (ubiquinone) 1 complex subunit F5	2.70	2.17	6.83E-03 chr3	180804927	180805416	489
HSAP0406S00022399	NM_012117	CBX5	CBX5; chromobox homolog 5 (HP1 alpha homolog)	2.70	3.76	1.75E-04 chr12	52960702	52961421	719
HSAP0406S00023267	NM_019034	RHOF	RHOF; ras homolog gene family, member F	2.70	3.11	7.78E-04 chr12	120695175	120695614	439
HSAP0406S00016887	BX537851	DKFZp779J2459	DKFZp779J2459; hypothetical protein; Homo sapiens	2.70	3.72	1.91E-04 chr9	92166876	92167435	559
HSAP0406S00022224	U22961	N/A	N/A; N/A; Human mRNA clone with similarity to	2.70	2.63	2.32E-03 chr12	48785308	48785987	679
HSAP0406S00016580	NM_001004487	OR13J1	OR13J1; olfactory receptor, family 13, subfamily 1	2.70	6.56	2.75E-07 chr9	35860819	35861698	879
HSAP0406S00024010	AK130129	N/A	N/A; N/A; Homo sapiens cDNA FLJ26619 from	2.69	2.75	1.78E-03 chr13	109914666	109914835	169
HSAP0406S00015079	AK092544	N/A	N/A; N/A; Homo sapiens cDNA FLJ35225 from	2.69	2.58	2.65E-03 chr8	12479046	12479565	519
HSAP0406S00021598	NM_003324	TULP3	TULP3; tubby like protein 3; Homo sapiens	2.69	2.06	8.65E-03 chr12	2869674	2870043	369
HSAP0406S00001478	NM_007071	HLA3	HLA3; HERV-H LTR-associating 3; Homo sapiens	2.69	3.56	2.76E-04 chr1	70531233	70532122	889
HSAP0406S00028807	BC003613	ALDOC	ALDOC; ALDOC protein; Homo sapiens	2.69	3.80	1.57E-04 chr17	23928425	23928974	549
HSAP0406S00022024	NM_015936	CGI-04	CGI-04; CGI-04 protein; Homo sapiens	2.69	3.86	1.37E-04 chr12	32800401	32800870	469
HSAP0406S00020713	AJ628243	KRTAP5-3	KRTAP5-3; keratin associated protein 5-3; Homo sapiens	2.69	3.00	9.99E-04 chr11	70916145	70916574	429
HSAP0406S00006763	BC065533	IHPK2	IHPK2; IHPK2 protein; Homo sapiens	2.69	2.34	4.57E-03 chr3	48730072	48730461	389
HSAP0406S00008254	NM_032263	DKFZp434B227	DKFZp434B227; hypothetical protein DKFZp434B227	2.68	2.79	1.63E-03 chr3	199175615	199176434	819
HSAP0406S00003199	AK127126	N/A	N/A; N/A; Homo sapiens cDNA FLJ45183 from	2.68	2.94	1.15E-03 chr1	201179952	201180901	949
HSAP0406S00021048	NM_002427	MMP13	MMP13; matrix metalloproteinase 13 precursor	2.68	3.09	8.12E-04 chr11	102331483	102332022	539
HSAP0406S00001185	AL137594	DKFZp434N0810	DKFZp434N0810; hypothetical protein; Homo sapiens	2.68	4.11	7.77E-05 chr1	46211285	46212174	889
HSAP0406S00035315	NM_001098	ACO2	ACO2; aconitase 2 precursor; Homo sapiens	2.68	4.88	1.33E-05 chr22	40188819	40189581	762
HSAP0406S00035314	NM_032758	PHF5A	PHF5A; SF3b14b; Homo sapiens	2.68	4.88	1.33E-05 chr22	40188819	40189581	762
HSAP0406S00017956	NM_152751	C10orf30	C10orf30; chromosome 10 open reading frame 30	2.68	2.63	2.32E-03 chr10	13585863	13586282	419
HSAP0406S00033588	NM_022482	ZNF336	ZNF336; zinc finger protein 336; Homo sapiens	2.68	3.54	2.85E-04 chr20	23291751	23292180	429
HSAP0406S00032626	NM_024342	GRLF1	GRLF1; glucocorticoid receptor DNA binding protein 1	2.68	3.51	3.08E-04 chr19	52113503	52113972	469
HSAP0406S00004657	NM_004836	EIF2AK3	EIF2AK3; eukaryotic translation initiation factor 2B	2.68	3.67	2.12E-04 chr2	88766477	88767186	709
HSAP0406S00022345	NM_000889	ITGB7	ITGB7; integrin, beta 7; Homo sapiens	2.68	2.24	5.73E-03 chr12	51887068	51887447	379
HSAP0406S00001833	BC064595	N/A	N/A; Unknown (protein for IMAGE:5755761)	2.67	3.86	1.37E-04 chr1	110930018	110930617	599
HSAP0406S00001832	NM_002232	KCNA3	KCNA3; potassium voltage-gated channel, subfamily A member 3	2.67	3.86	1.37E-04 chr1	110930018	110930617	599
HSAP0406S00015848	AL713645	DKFZp761L2322	DKFZp761L2322; hypothetical protein; Homo sapiens	2.67	3.54	2.85E-04 chr8	110730025	110730394	369
HSAP0406S00016635	AL080148	DKFZp434B204	DKFZp434B204; hypothetical protein; Homo sapiens	2.67	4.49	3.23E-05 chr9	40883424	40883823	399
HSAP0406S00033896	AK074597	N/A	N/A; N/A; Homo sapiens cDNA FLJ90116 from	2.67	2.95	1.13E-03 chr20	43371062	43371681	619
HSAP0406S00034488	BC067102	PRDM15	PRDM15; PRDM15 protein; Homo sapiens	2.67	6.07	8.52E-07 chr21	42156371	42156850	479
HSAP0406S00004104	NM_144575	CAPN13	CAPN13; calpain 13; Homo sapiens	2.67	3.46	3.44E-04 chr2	30941773	30942342	569
HSAP0406S00015073	AK128416	N/A	N/A; N/A; Homo sapiens cDNA FLJ46559 from	2.66	6.29	5.08E-07 chr8	12349804	12350633	829
HSAP0406S00030565	AK128697	N/A	N/A; N/A; Homo sapiens cDNA FLJ46864 from	2.66	4.53	2.96E-05 chr18	31124161	31124893	732
HSAP0406S00030564	AY234408	N/A	N/A; zinc finger protein; Homo sapiens	2.66	4.53	2.96E-05 chr18	31124161	31124893	732
HSAP0406S00022605	AK022448	N/A	N/A; N/A; Homo sapiens cDNA FLJ12386 from	2.66	2.13	7.45E-03 chr12	56489560	56490079	519

HSAP0406S00014470	NM_000492	CFTR	CFTR; cystic fibrosis transmembrane conductance	2.66	2.87	1.36E-03 chr7	116712908	116713497	589
HSAP0406S00031530	NM_004317	ASNA1	ASNA1; arsA arsenite transporter, ATP-binding	2.66	2.92	1.19E-03 chr19	12708906	12709455	549
HSAP0406S00010187	NM_018046	VG5Q	VG5Q; angiogenic factor VG5Q; Homo sapiens	2.66	7.00	9.91E-08 chr5	76361688	76362187	499
HSAP0406S00015475	NM_152417	FLJ32370	FLJ32370; hypothetical protein FLJ32370; Homo sapiens	2.66	2.75	1.78E-03 chr8	56848490	56849099	609
HSAP0406S00026911	AK074072	FLJ00143	FLJ00143; FLJ00143 protein; Homo sapiens	2.66	6.64	2.28E-07 chr16	12080062	12080391	329
HSAP0406S00014497	BC068607	FLJ35834	FLJ35834; FLJ35834 protein; Homo sapiens	2.66	6.01	9.78E-07 chr7	122768415	122768634	219
HSAP0406S00015807	NM_030780	MFTC	MFTC; mitochondrial folate transporter/carrier	2.66	2.39	4.07E-03 chr8	104496798	104497277	479
HSAP0406S00014397	NM_006348	COG5	COG5; component of oligomeric golgi complex	2.66	2.94	1.15E-03 chr7	106798597	106799216	619
HSAP0406S00025852	NM_015532	GRINL1A	GRINL1A; glutamate receptor, ionotropic, NMDA	2.65	2.63	2.32E-03 chr15	55785437	55786136	699
HSAP0406S00001294	NM_002979	SCP2	SCP2; sterol carrier protein 2; Homo sapiens	2.65	2.82	1.50E-03 chr1	53104549	53104898	349
HSAP0406S00022470	NM_000456	SUOX	SUOX; N/A; Homo sapiens sulfite oxidase (cytosolic)	2.65	5.22	6.06E-06 chr12	54677279	54678088	809
HSAP0406S00027777	AF338192	FKSG63	FKSG63; FKSG63; Homo sapiens FKSG63	2.65	3.42	3.81E-04 chr16	68814399	68814868	469
HSAP0406S00030297	NM_019613	WDR45L	WDR45L; WDR45-like; Homo sapiens WDR45	2.65	3.54	2.85E-04 chr17	78200047	78200846	799
HSAP0406S00024786	NM_005589	ALDH6A1	ALDH6A1; aldehyde dehydrogenase 6A1 protein	2.65	2.63	2.32E-03 chr14	73621370	73622199	829
HSAP0406S00020834	AK128620	N/A	N/A; N/A; Homo sapiens cDNA FLJ46779 from	2.65	4.36	4.33E-05 chr11	75107347	75108216	869
HSAP0406S00002139	NM_175065	HIST2H2AB	HIST2H2AB; histone H2A; Homo sapiens histone	2.65	2.82	1.50E-03 chr1	146672730	146673319	589
HSAP0406S00016691	NM_199244	FOXD4b	FOXD4b; forkhead box protein D4b; Homo sapiens	2.65	7.13	7.43E-08 chr9	67937317	67938206	889
HSAP0406S00017177	BC012922	ZNF618	ZNF618; ZNF618 protein; Homo sapiens zinc finger	2.64	3.11	7.78E-04 chr9	113889662	113889951	289
HSAP0406S00016628	AL080148	DKFZp434B204	DKFZp434B204; hypothetical protein; Homo sapiens	2.64	4.03	9.40E-05 chr9	40431964	40432563	599
HSAP0406S00033555	BC005404	SEC23B	SEC23B; SEC23B protein; Homo sapiens SEC23	2.64	3.78	1.65E-04 chr20	18435936	18436405	469
HSAP0406S00015332	AK091697	N/A	N/A; N/A; Homo sapiens cDNA FLJ34378 from	2.64	4.36	4.33E-05 chr8	37713913	37714502	589
HSAP0406S00024042	AB028944	KIAA1021	KIAA1021; KIAA1021 protein; Homo sapiens KIAA	2.64	2.91	1.22E-03 chr13	112526592	112527111	519
HSAP0406S00025493	NM_152594	SPRED1	SPRED1; sprouty-related protein with EVH-1	2.64	2.83	1.50E-03 chr15	36330518	36331167	649
HSAP0406S00031325	AL713781	DKFZp547H118	DKFZp547H118; hypothetical protein; Homo sapiens	2.64	2.89	1.30E-03 chr19	8457536	8458105	569
HSAP0406S00009748	NM_001369	DNAH5	DNAH5; dynein, axonemal, heavy polypeptide chain	2.64	2.82	1.50E-03 chr5	13998270	13998629	359
HSAP0406S00005571	AB023161	KIAA0944	KIAA0944; KIAA0944 protein; Homo sapiens KIAA	2.63	2.94	1.15E-03 chr2	196759191	196759980	789
HSAP0406S00008031	NM_130446	KLHL6	KLHL6; kelch-like 6; Homo sapiens kelch-like	2.63	3.55	2.84E-04 chr3	184756241	184756760	519
HSAP0406S00003958	AK027859	N/A	N/A; N/A; Homo sapiens cDNA FLJ14953 from	2.63	2.19	6.50E-03 chr2	24927211	24927620	409
HSAP0406S00016443	NM_005802	TOPORS	TOPORS; topoisomerase I binding, arginine	2.63	2.42	3.80E-03 chr9	32542612	32543151	539
HSAP0406S00036607	NM_054021	GPR101	GPR101; G protein-coupled receptor 101; Homo sapiens	2.63	2.67	2.15E-03 chrX	135839174	135840553	1379
HSAP0406S00018961	NM_178858	SFXN2	SFXN2; sideroflexin 2; Homo sapiens sideroflexin	2.63	2.95	1.13E-03 chr10	104463048	104463597	549
HSAP0406S00034413	NM_005128	C21orf5	C21orf5; pad-1-like; Homo sapiens chromosome	2.63	5.37	4.26E-06 chr21	36457549	36457838	289
HSAP0406S00011373	NM_006403	NEDD9	NEDD9; neural precursor cell expressed, developmentally	2.62	2.48	3.28E-03 chr6	11340725	11341254	529
HSAP0406S00022909	AF518404	SPIC	SPIC; SPI-C transcription factor; Homo sapiens	2.62	2.94	1.15E-03 chr12	100370447	100371166	719
HSAP0406S00031517	NM_020714	ZNF490	ZNF490; zinc finger protein 490; Homo sapiens	2.62	4.51	3.10E-05 chr19	12582323	12582835	512
HSAP0406S00019494	AF143328	N/A	N/A; unknown; Homo sapiens clone IMAGE	2.62	2.82	1.50E-03 chr11	4453112	4453461	349
HSAP0406S00019732	NM_012250	RRAS2	RRAS2; related RAS viral (r-ras) oncogene	2.62	4.47	3.39E-05 chr11	14337380	14337909	529
HSAP0406S00023514	BC067898	FLJ25952	FLJ25952; FLJ25952 protein; Homo sapiens	2.62	2.64	2.27E-03 chr13	20931578	20932287	709
HSAP0406S00036383	NM_003604	IRS4	IRS4; insulin receptor substrate 4; Homo sapiens	2.62	3.27	5.32E-04 chrX	107785995	107786694	699
HSAP0406S00010527	NM_002715	PPP2CA	PPP2CA; protein phosphatase 2 (formerly 2A)	2.62	3.06	8.81E-04 chr5	133590402	133590941	539
HSAP0406S00025968	NM_005848	MYCPBP	MYCPBP; c-myc promoter binding protein; Homo sapiens	2.62	2.96	1.11E-03 chr15	63871761	63872530	769

HSAP0406S00019402	U78550	N/A	N/A; mucin MUC5B; Homo sapiens gallblac	2.61	3.32	4.79E-04 chr11	1220719	1221631	912
HSAP0406S00019403	X74954	MUC5B	MUC5B; mucin; H.sapiens MUC5B mRNA (	2.61	3.32	4.79E-04 chr11	1220719	1221631	912
HSAP0406S00017428	AK126646	N/A	N/A; N/A; Homo sapiens cDNA FLJ44688 fi	2.61	3.40	4.01E-04 chr9	128163999	128164698	699
HSAP0406S00017426	NM_015679	TRUB2	TRUB2; TruB pseudouridine (psi) synthase	2.61	3.40	4.01E-04 chr9	128163999	128164698	699
HSAP0406S00010859	BC026323	DCTN4	DCTN4; dynactin 4 (p62); Homo sapiens dy	2.61	4.47	3.40E-05 chr5	150118585	150118984	399
HSAP0406S00030596	AK126716	N/A	N/A; N/A; Homo sapiens cDNA FLJ44762 fi	2.61	2.20	6.32E-03 chr18	33320178	33320637	459
HSAP0406S00008209	NM_001001699	FLJ25996	FLJ25996; FLJ25996 protein; Homo sapien	2.61	3.17	6.74E-04 chr3	197357307	197357716	409
HSAP0406S00011667	AK126124	N/A	N/A; N/A; Homo sapiens cDNA FLJ44136 fi	2.61	3.46	3.50E-04 chr6	30698468	30698787	319
HSAP0406S00005361	NM_001378	DNCI2	DNCI2; dynein, cytoplasmic, intermediate p	2.60	3.17	6.74E-04 chr2	172369279	172369678	399
HSAP0406S00016518	AK128180	N/A	N/A; N/A; Homo sapiens cDNA FLJ46303 fi	2.60	2.30	5.07E-03 chr9	34828754	34829463	709
HSAP0406S00032052	AK026467	N/A	N/A; N/A; Homo sapiens cDNA: FLJ22814 l	2.60	6.92	1.20E-07 chr19	40511480	40511861	381
HSAP0406S00032053	NM_001771	CD22	CD22; CD22 antigen; Homo sapiens CD22	2.60	6.92	1.20E-07 chr19	40511480	40511861	381
HSAP0406S00030375	AK095925	N/A	N/A; N/A; Homo sapiens cDNA FLJ38606 fi	2.60	2.38	4.19E-03 chr18	7932811	7933440	629
HSAP0406S00026416	NM_000057	BLM	BLM; Bloom syndrome protein; Homo sapie	2.60	2.09	8.15E-03 chr15	89061096	89061445	349
HSAP0406S00006297	NM_001001331	ATP2B2	ATP2B2; plasma membrane calcium ATPase	2.59	2.19	6.50E-03 chr3	10466407	10467006	599
HSAP0406S00020903	AL359570	N/A	source; N/A; N/A; Homo sapiens mRNA; cD	2.59	3.39	4.03E-04 chr11	82581959	82582430	471
HSAP0406S00020904	NM_182603	FLJ37874	FLJ37874; hypothetical protein FLJ37874; l	2.59	3.39	4.03E-04 chr11	82581959	82582430	471
HSAP0406S00011891	NM_006120	HLA-DMA	HLA-DMA; major histocompatibility comple	2.59	3.83	1.47E-04 chr6	33028652	33029201	549
HSAP0406S00007395	NM_000187	HGD	HGD; homogentisate 1,2-dioxygenase; Hor	2.59	5.45	3.56E-06 chr3	121883656	121884325	669
HSAP0406S00006376	AL832575	DKFZp451D2416	DKFZp451D2416; hypothetical protein; Hor	2.59	2.68	2.08E-03 chr3	16191423	16191872	449
HSAP0406S00033702	NM_016732	RALY	RALY; RNA binding protein (autoantigenic,	2.59	3.70	1.98E-04 chr20	32044103	32044872	769
HSAP0406S00002434	NM_001005749	GBA	GBA; glucocerebrosidase precursor; Homo	2.59	4.72	1.93E-05 chr1	152027552	152028111	559
HSAP0406S00030374	BC051651	PTPRM	PTPRM; PTPRM protein; Homo sapiens pri	2.59	3.67	2.12E-04 chr18	7744821	7745170	349
HSAP0406S00019601	AB053446	KIAA1773	KIAA1773; KIAA1773 protein; Homo sapier	2.58	3.09	8.12E-04 chr11	6634361	6634900	539
HSAP0406S00031666	AL833940	DKFZp761K058	DKFZp761K058; hypothetical protein; Hom	2.58	2.49	3.23E-03 chr19	15906470	15907049	579
HSAP0406S00010642	NM_133175	APBB3	APBB3; amyloid beta precursor protein-bin	2.58	2.95	1.13E-03 chr5	139924934	139925443	509
HSAP0406S00024427	BC057794	BTBD5	BTBD5; BTBD5 protein; Homo sapiens BTE	2.58	6.88	1.32E-07 chr14	44500001	44501065	1064
HSAP0406S00024428	NM_015091	KIAA0423	KIAA0423; KIAA0423; Homo sapiens KIAA	2.58	6.88	1.32E-07 chr14	44500001	44501065	1064
HSAP0406S00001420	NM_001005353	AK3	AK3; adenylate kinase 3; Homo sapiens ad	2.58	2.34	4.57E-03 chr1	65324234	65324713	479
HSAP0406S00008255	BC017093	RPL35A	RPL35A; RPL35A protein; Homo sapiens ri	2.58	3.09	8.12E-04 chr3	199164985	199165604	619
HSAP0406S00006876	AF035947	N/A	N/A; cytokine-inducible inhibitor of signalling	2.58	3.54	2.85E-04 chr3	50624647	50625296	649
HSAP0406S00021260	NM_006476	ATP5L	ATP5L; ATP synthase, H+ transporting, mit	2.58	3.98	1.04E-04 chr11	117777054	117777503	449
HSAP0406S00000769	NM_031459	SESN2	SESN2; sestrin 2; Homo sapiens sestrin 2 (	2.57	4.06	8.64E-05 chr1	28269078	28269917	839
HSAP0406S00024365	NM_021249	SNX6	SNX6; sorting nexin 6 isoform a; Homo sap	2.57	2.29	5.16E-03 chr14	34169427	34169716	289
HSAP0406S00020587	NM_032886	MGC15912	MGC15912; hypothetical protein MGC1591	2.57	3.18	6.58E-04 chr11	66151537	66152176	639
HSAP0406S00002235	NM_000449	RFX5	RFX5; regulatory factor X, 5; Homo sapiens	2.57	3.37	4.29E-04 chr1	148133094	148133633	539
HSAP0406S00033654	D87444	KIAA0255	KIAA0255; N/A; Homo sapiens mRNA for K	2.57	4.47	3.40E-05 chr20	30160790	30161379	589
HSAP0406S00019856	NM_170735	BDNF	BDNF; brain-derived neurotrophic factor isc	2.57	3.78	1.65E-04 chr11	27676651	27677200	549
HSAP0406S00017264	X64979	N/A	source; N/A; N/A; H.sapiens mRNA HTPCR	2.57	2.18	6.66E-03 chr9	122361168	122361547	379
HSAP0406S00007947	AB046833	KIAA1613	KIAA1613; KIAA1613 protein; Homo sapier	2.57	4.36	4.33E-05 chr3	171727255	171727794	539
HSAP0406S00019855	AY054403	N/A	source; N/A; N/A; Homo sapiens non-codin	2.57	3.53	2.93E-04 chr11	27484235	27485089	854

HSAP0406S00022887	NM_022496	ACTR6	ACTR6; ARP6 actin-related protein 6 homo	2.56	2.19	6.50E-03 chr12	99096852	99097241	389
HSAP0406S00017332	NM_005347	HSPA5	HSPA5; heat shock 70kDa protein 5 (gluco:	2.56	3.86	1.39E-04 chr9	125083374	125084183	809
HSAP0406S00002316	NM_005978	S100A2	S100A2; S100 calcium binding protein A2; l	2.56	3.27	5.32E-04 chr1	150351330	150352169	839
HSAP0406S00001450	NM_001559	IL12RB2	IL12RB2; interleukin 12 receptor, beta 2 pre	2.56	4.47	3.40E-05 chr1	67484778	67485187	409
HSAP0406S00001356	NM_001004303	LOC199920	LOC199920; hypothetical protein LOC1999	2.56	3.56	2.76E-04 chr1	56997266	56997595	329
HSAP0406S00028023	AL137562	DKFZp434O0320	DKFZp434O0320; hypothetical protein; Hor	2.55	2.94	1.15E-03 chr16	84928854	84929543	689
HSAP0406S00007859	NM_020307	CCNL1	CCNL1; cyclin L1; Homo sapiens cyclin L1	2.55	4.84	1.46E-05 chr3	158361175	158361574	399
HSAP0406S00015841	NM_032869	CML66	CML66; chronic myelogenous leukemia turr	2.55	7.65	2.23E-08 chr8	110415336	110416261	925
HSAP0406S00021670	AL831874	DKFZp547D2210	DKFZp547D2210; hypothetical protein; Hor	2.55	2.55	2.82E-03 chr12	6674431	6675090	659
HSAP0406S00010485	NM_000588	IL3	IL3; interleukin 3 precursor; Homo sapiens i	2.55	2.94	1.15E-03 chr5	131423886	131424425	539
HSAP0406S00008833	NM_000584	IL8	IL8; interleukin 8 precursor; Homo sapiens i	2.55	2.63	2.32E-03 chr4	74971190	74971509	319
HSAP0406S00034596	NM_181686	KRTAP12-1	KRTAP12-1; keratin associated protein 12-	2.55	4.90	1.27E-05 chr21	44926907	44927596	689
HSAP0406S00029084	NM_000981	RPL19	RPL19; ribosomal protein L19; Homo sapie	2.55	3.25	5.69E-04 chr17	34609476	34609885	409
HSAP0406S00001200	BC001934	UQCRH	UQCRH; UQCRH protein; Homo sapiens ul	2.54	2.63	2.32E-03 chr1	46481180	46481599	419
HSAP0406S00024211	BX248299	N/A	N/A; N/A; human full-length cDNA clone CS	2.54	3.67	2.14E-04 chr14	22573847	22574566	719
HSAP0406S00023297	NM_198261	FLJ11021	FLJ11021; similar to splicing factor, arginine	2.54	3.04	9.11E-04 chr12	121536537	121536946	409
HSAP0406S00035969	NM_203407	LOC340602	LOC340602; similar to CG32656-PA; Homc	2.54	2.70	2.00E-03 chrX	50982603	50983002	399
HSAP0406S00036463	BX537594	DKFZp686B1195	DKFZp686B1195; hypothetical protein; Hor	2.54	3.69	2.06E-04 chrX	119160768	119161467	699
HSAP0406S00013764	NM_182827	FKBP9L	FKBP9L; similar to FK506 binding protein 9	2.54	4.66	2.17E-05 chr7	55531004	55531823	819
HSAP0406S00018166	NM_014753	BMS1L	BMS1L; BMS1-like, ribosome assembly pro	2.54	2.06	8.65E-03 chr10	42598195	42598464	269
HSAP0406S00033241	AK025256	N/A	N/A; N/A; Homo sapiens cDNA: FLJ21603 l	2.54	5.55	2.83E-06 chr19	63011728	63012387	659
HSAP0406S00033242	BC062982	ZNF552	ZNF552; ZNF552 protein; Homo sapiens zii	2.54	5.55	2.83E-06 chr19	63011728	63012387	659
HSAP0406S00016248	X72889	hbrm	hbrm; HBRM; H.sapiens hbrm mRNA.	2.54	2.94	1.15E-03 chr9	2011835	2012124	289
HSAP0406S00011935	AB067525	KIAA1938	KIAA1938; KIAA1938 protein; Homo sapier	2.54	4.33	4.69E-05 chr6	33494679	33495478	799
HSAP0406S00016945	AL137620	DKFZp434H0512	DKFZp434H0512; hypothetical protein; Hor	2.54	3.72	1.91E-04 chr9	95613170	95613899	729
HSAP0406S00034684	AK124493	N/A	N/A; N/A; Homo sapiens cDNA FLJ42502 fi	2.54	4.66	2.19E-05 chr22	15916932	15917481	549
HSAP0406S00020711	NM_018161	NADSYN1	NADSYN1; NAD synthetase 1; Homo sapie	2.53	3.66	2.20E-04 chr11	70840895	70841574	679
HSAP0406S00019842	NM_145650	MUC15	MUC15; mucin 15; Homo sapiens mucin 15	2.53	3.30	5.07E-04 chr11	26550837	26551386	549
HSAP0406S00026436	BC031970	LOC400451	LOC400451; LOC400451 protein; Homo sa	2.53	2.49	3.23E-03 chr15	90963521	90963990	469
HSAP0406S00002151	BC028382	VPS45A	VPS45A; vacuolar protein sorting 45A; Horr	2.53	3.18	6.58E-04 chr1	146852252	146852601	349
HSAP0406S00022165	AY327412	RHEBL1	RHEBL1; Ras homolog enriched in brain-lik	2.53	3.46	3.43E-04 chr12	47750086	47750535	449
HSAP0406S00026714	AK127505	N/A	N/A; N/A; Homo sapiens cDNA FLJ45598 fi	2.53	3.11	7.78E-04 chr16	2505493	2505732	239
HSAP0406S00036921	NM_004660	DDX3Y	DDX3Y; DEAD (Asp-Glu-Ala-Asp) box poly	2.53	4.99	1.03E-05 chrY	13454328	13455097	769
HSAP0406S00025832	AK023056	N/A	N/A; N/A; Homo sapiens cDNA FLJ12994 fi	2.53	3.04	9.11E-04 chr15	54175343	54176112	769
HSAP0406S00021741	NM_080387	CLECSF8	CLECSF8; C-type lectin, superfamily memt	2.53	2.94	1.15E-03 chr12	8556103	8556382	279
HSAP0406S00032163	NM_144694	ZNF570	ZNF570; zinc finger protein 570; Homo sap	2.53	5.93	1.18E-06 chr19	42650270	42650721	451
HSAP0406S00017942	NM_014142	NUDT5	NUDT5; nudix-type motif 5; Homo sapiens i	2.53	5.41	3.86E-06 chr10	12277950	12278649	699
HSAP0406S00034707	AB037785	KIAA1364	KIAA1364; KIAA1364 protein; Homo sapier	2.53	2.82	1.50E-03 chr22	16760735	16761314	579
HSAP0406S00035275	AF067853	ADSL	ADSL; adenylosuccinate lyase; Homo sapie	2.52	3.79	1.64E-04 chr22	39066437	39067086	649
HSAP0406S00005967	NM_152527	SLC16A14	SLC16A14; solute carrier family 16 (monoc:	2.52	2.87	1.36E-03 chr2	230759065	230759734	669
HSAP0406S00032162	NM_152484	ZNF569	ZNF569; zinc finger protein 569; Homo sap	2.52	5.93	1.18E-06 chr19	42650060	42650721	661



HSAP0406S00031454	AF161365	N/A	N/A; HSPC102; Homo sapiens HSPC102 r	2.52	2.95	1.12E-03 chr19	11293520	11294029	509
HSAP0406S00002286	AF005081	xp32	xp32; skin-specific protein; Homo sapiens s	2.52	2.91	1.22E-03 chr1	149504169	149504718	549
HSAP0406S00003495	NM_003607	CDC42BPA	CDC42BPA; CDC42-binding protein kinase	2.52	3.67	2.12E-04 chr1	223813462	223813861	399
HSAP0406S00028328	NM_003562	SLC25A11	SLC25A11; solute carrier family 25 (mitochr	2.52	3.53	2.97E-04 chr17	4784344	4784923	579
HSAP0406S00033973	AF144233	N/A	N/A; DNA binding peptide; Homo sapiens D	2.52	3.10	7.96E-04 chr20	45411094	45411623	529
HSAP0406S00036487	NM_173571	LOC255313	LOC255313; hypothetical protein LOC2553	2.52	5.55	2.83E-06 chrX	119844994	119845313	319
HSAP0406S00024096	BC066547	N/A	N/A; Unknown (protein for MGC:71462); Hc	2.52	3.06	8.81E-04 chr14	18753502	18754471	969
HSAP0406S00001957	NM_017686	GDAP2	GDAP2; ganglioside induced differentiation	2.52	5.46	3.49E-06 chr1	118184253	118184988	735
HSAP0406S00014306	AK124705	N/A	N/A; N/A; Homo sapiens cDNA FLJ42715 fi	2.52	7.85	1.42E-08 chr7	100474352	100475301	949
HSAP0406S00014307	NM_014343	CLDN15	CLDN15; claudin 15; Homo sapiens claudir	2.52	7.85	1.42E-08 chr7	100474352	100475401	1049
HSAP0406S00035568	AB018328	KIAA0785	KIAA0785; KIAA0785 protein; Homo sapier	2.51	3.46	3.44E-04 chrX	2413070	2413639	569
HSAP0406S00032229	NM_001001716	NFKBIB	NFKBIB; nuclear factor of kappa light polyp	2.51	2.48	3.28E-03 chr19	44081725	44082514	789
HSAP0406S00017145	AB014574	KIAA0674	KIAA0674; KIAA0674 protein; Homo sapier	2.51	3.11	7.78E-04 chr9	113063943	113064372	429
HSAP0406S00030113	NM_173628	FLJ40457	FLJ40457; hypothetical protein FLJ40457; l	2.51	2.60	2.50E-03 chr17	74079480	74079989	509
HSAP0406S00010656	NM_012208	HARSL	HARSL; histidyl-tRNA synthetase-like; Hom	2.51	2.82	1.52E-03 chr5	140050402	140051031	629
HSAP0406S00007224	BC065555	TOMM70A	TOMM70A; translocase of outer mitochondi	2.51	3.92	1.21E-04 chr3	101602773	101603562	789
HSAP0406S00032867	AF335478	N/A	N/A; prostate-specific antigen variant 2; Ho	2.51	2.81	1.55E-03 chr19	56049183	56050152	969
HSAP0406S00033652	NM_002110	HCK	HCK; hemopoietic cell kinase isoform p61H	2.51	3.27	5.32E-04 chr20	30102958	30103617	659
HSAP0406S00010885	NM_004045	ATOX1	ATOX1; antioxidant protein 1; Homo sapien	2.51	2.83	1.50E-03 chr5	151118504	151118813	309
HSAP0406S00028206	AK055755	N/A	N/A; N/A; Homo sapiens cDNA FLJ31193 fi	2.51	3.39	4.03E-04 chr17	1500712	1501331	619
HSAP0406S00000964	NM_031280	MRPS15	MRPS15; mitochondrial ribosomal protein S	2.51	3.07	8.59E-04 chr1	36598873	36599432	559
HSAP0406S00016843	AL136719	DKFZp566G0346	DKFZp566G0346; hypothetical protein; Hor	2.51	2.50	3.20E-03 chr9	88231588	88232117	529
HSAP0406S00020535	NM_032325	MGC11102	MGC11102; hypothetical protein MGC1110	2.51	8.21	6.10E-09 chr11	65525716	65526384	668
HSAP0406S00035142	NM_024955	FLJ23322	FLJ23322; hypothetical protein FLJ23322; l	2.50	2.06	8.65E-03 chr22	35228090	35228429	339
HSAP0406S00007409	D25542	N/A	N/A; golgi antigen gcp372; Homo sapiens n	2.50	3.67	2.12E-04 chr3	122951260	122952049	789
HSAP0406S00008415	NM_152301	PP784	PP784; PP784; Homo sapiens PP784 prote	2.50	2.20	6.32E-03 chr4	6829827	6830576	749
HSAP0406S00016869	AK128703	N/A	N/A; N/A; Homo sapiens cDNA FLJ46870 fi	2.50	2.29	5.16E-03 chr9	90917090	90917379	289
HSAP0406S00016649	BC032596	N/A	N/A; Unknown (protein for IMAGE:5528612	2.50	2.79	1.63E-03 chr9	43478212	43478291	79
HSAP0406S00015911	BC015129	N/A	N/A; Unknown (protein for IMAGE:3931942	2.50	3.06	8.81E-04 chr8	125328921	125329320	399
HSAP0406S00006259	NM_016819	OGG1	OGG1; 8-oxoguanine DNA glycosylase isof	2.50	2.29	5.16E-03 chr3	9765355	9765904	549
HSAP0406S00014988	NM_004084	DEFA1	DEFA1; defensin, alpha 1 preproprotein; Hc	2.50	3.70	1.98E-04 chr8	6824813	6825552	739
HSAP0406S00033881	NM_182970	RIMS4	RIMS4; regulating synaptic membrane exoc	2.50	2.34	4.57E-03 chr20	42873217	42873616	399
HSAP0406S00028963	BC009044	N/A	N/A; Similar to RIKEN cDNA 2410003C20 c	2.50	4.03	9.40E-05 chr17	30312796	30313465	669
HSAP0406S00014517	NM_014390	SND1	SND1; staphylococcal nuclease domain cor	2.50	3.86	1.37E-04 chr7	126885365	126885804	439
HSAP0406S00006615	NM_033210	ZNF502	ZNF502; zinc finger protein 502; Homo sap	2.50	2.60	2.50E-03 chr3	44728462	44729091	629
HSAP0406S00009004	BC036001	DHRS8	DHRS8; dehydrogenase/reductase (SDR fa	2.50	4.41	3.93E-05 chr4	88669325	88669864	539
HSAP0406S00015447	NM_003068	SNAI2	SNAI2; snail 2; Homo sapiens snail homolo	2.50	3.37	4.29E-04 chr8	49996852	49997541	689
HSAP0406S00027575	NM_005550	KIFC3	KIFC3; kinesin family member C3; Homo s	2.50	2.42	3.80E-03 chr16	56394120	56394729	609
HSAP0406S00014139	NM_015379	BRI3	BRI3; brain protein I3; Homo sapiens brain	2.49	3.67	2.12E-04 chr7	97554618	97554967	349
HSAP0406S00008502	NM_005130	FGFBP1	FGFBP1; fibroblast growth factor binding pr	2.49	2.41	3.89E-03 chr4	15616041	15616370	329
HSAP0406S00008434	BC004397	MGC10981	MGC10981; MGC10981 protein; Homo sap	2.49	2.65	2.21E-03 chr4	7896367	7897216	849

HSAP0406S00024703	NM_004450	ERH	ERH; enhancer of rudimentary homolog; Hc	2.49	2.81	1.55E-03 chr14	68935184	68935704	520
HSAP0406S00024704	NM_018375	SLC39A9	SLC39A9; solute carrier family 39 (zinc tran	2.49	2.81	1.55E-03 chr14	68935184	68935704	520
HSAP0406S00015140	NM_000237	LPL	LPL; lipoprotein lipase precursor; Homo sa	2.49	3.04	9.11E-04 chr8	19840658	19841257	599
HSAP0406S00022959	BC013935	N/A	N/A; Similar to hypothetical protein FLJ213	2.49	2.83	1.50E-03 chr12	103447428	103448067	639
HSAP0406S00011738	NM_005514	HLA-B	HLA-B; major histocompatibility complex, cl	2.49	2.60	2.50E-03 chr6	31433395	31434004	609
HSAP0406S00016710	NM_138333	C9orf42	C9orf42; chromosome 9 open reading fram	2.49	3.32	4.79E-04 chr9	68623718	68624417	699
HSAP0406S00003236	NM_022731	NUCKS	NUCKS; nuclear ubiquitous casein kinase ε	2.49	2.49	3.26E-03 chr1	202450965	202451514	549
HSAP0406S00020787	AK092089	N/A	N/A; N/A; Homo sapiens cDNA FLJ34770 fi	2.49	2.60	2.50E-03 chr11	73559951	73560640	689
HSAP0406S00026329	BC054509	LOC388161	LOC388161; LOC388161 protein; Homo sa	2.49	4.61	2.43E-05 chr15	83579203	83579622	419
HSAP0406S00012086	NM_024807	TREML2	TREML2; triggering receptor expressed on	2.49	2.91	1.22E-03 chr6	41277393	41277982	589
HSAP0406S00021304	AF111852	N/A	N/A; PRO0685; Homo sapiens PRO0685 r	2.48	4.72	1.93E-05 chr11	118404878	118405667	789
HSAP0406S00029305	NM_031858	M17S2	M17S2; membrane component, chromosom	2.48	3.80	1.57E-04 chr17	38575847	38576236	389
HSAP0406S00028318	NM_003963	TM4SF5	TM4SF5; transmembrane 4 superfamily me	2.48	2.30	5.07E-03 chr17	4620866	4621135	269
HSAP0406S00024410	BX161510	N/A	N/A; N/A; human full-length cDNA clone CS	2.48	2.57	2.68E-03 chr14	38709168	38709487	319
HSAP0406S00001671	BC033858	N/A	N/A; hypothetical protein MGC45474; Hom	2.48	2.39	4.07E-03 chr1	94996896	94997315	419
HSAP0406S00033451	AF151081	N/A	N/A; HSPC247; Homo sapiens HSPC247 r	2.48	2.20	6.32E-03 chr20	3862494	3862783	289
HSAP0406S00031690	NM_024104	MGC2747	MGC2747; hypothetical protein MGC2747;	2.48	2.71	1.93E-03 chr19	16625767	16626066	299
HSAP0406S00031224	AK095727	N/A	N/A; N/A; Homo sapiens cDNA FLJ38408 fi	2.48	6.92	1.20E-07 chr19	6331160	6331369	209
HSAP0406S00033275	NM_021089	ZNF8	ZNF8; zinc finger protein 8; Homo sapiens ;	2.48	3.46	3.44E-04 chr19	63481700	63481929	229
HSAP0406S00004570	NM_178839	LRRTM1	LRRTM1; leucine rich repeat transmembrar	2.48	3.30	5.07E-04 chr2	80443841	80444350	509
HSAP0406S00029287	NM_173079	RUNDC1	RUNDC1; RUN domain containing 1; Homc	2.47	3.18	6.58E-04 chr17	38384938	38385607	669
HSAP0406S00013355	AF026246	env	env; HERV-E envelope glycoprotein; Homo	2.47	7.46	3.50E-08 chr7	6775702	6775901	199
HSAP0406S00014437	AL834437	DKFZp762M126	DKFZp762M126; hypothetical protein; Hom	2.47	2.94	1.15E-03 chr7	112174129	112174848	719
HSAP0406S00035467	AB018310	KIAA0767	KIAA0767; KIAA0767 protein; Homo sapier	2.47	3.86	1.39E-04 chr22	45342601	45343430	829
HSAP0406S00017900	AL713753	DKFZp667F0711	DKFZp667F0711; hypothetical protein; Hon	2.47	2.69	2.04E-03 chr10	6431614	6432483	869
HSAP0406S00035582	NM_020742	NLGN4X	NLGN4X; X-linked neuroligin 4; Homo sapie	2.47	3.30	5.07E-04 chrX	6006375	6006924	549
HSAP0406S00023429	NM_015409	EP400	EP400; E1A binding protein p400; Homo se	2.47	2.79	1.63E-03 chr12	131110489	131110828	339
HSAP0406S00011591	NM_052923	ZNF452	ZNF452; zinc finger protein 452; Homo sap	2.47	2.71	1.94E-03 chr6	28663172	28663731	559
HSAP0406S00019172	AK126796	N/A	N/A; N/A; Homo sapiens cDNA FLJ44846 fi	2.47	2.75	1.76E-03 chr10	126167163	126167662	499
HSAP0406S00029346	BC037418	ATXN7L3	ATXN7L3; ATXN7L3 protein; Homo sapiens	2.47	3.06	8.81E-04 chr17	39630783	39631212	429
HSAP0406S00011430	NM_182757	IBRDC2	IBRDC2; IBR domain containing 2; Homo s	2.47	3.18	6.58E-04 chr6	18494953	18495632	679
HSAP0406S00008122	AK130364	N/A	N/A; N/A; Homo sapiens cDNA FLJ26854 fi	2.46	4.49	3.23E-05 chr3	188131766	188132325	559
HSAP0406S00031254	AK127494	N/A	N/A; N/A; Homo sapiens cDNA FLJ45587 fi	2.46	5.38	4.21E-06 chr19	7050414	7050773	359
HSAP0406S00033701	AF116649	N/A	N/A; PRO0566; Homo sapiens PRO0566 r	2.46	2.65	2.21E-03 chr20	32098970	32099509	539
HSAP0406S00031335	NM_144693	ZNF558	ZNF558; zinc finger protein 558; Homo sap	2.46	3.27	5.32E-04 chr19	8794966	8795625	659
HSAP0406S00031626	NM_017506	OR7A5	OR7A5; olfactory receptor, family 7, subfarr	2.46	4.41	3.91E-05 chr19	14801417	14801546	129
HSAP0406S00026806	AL831973	DKFZp451C023	DKFZp451C023; hypothetical protein; Hom	2.46	3.17	6.70E-04 chr16	4232355	4232714	359
HSAP0406S00006280	AK092352	N/A	N/A; N/A; Homo sapiens cDNA FLJ35033 fi	2.46	2.75	1.78E-03 chr3	10002865	10003464	599
HSAP0406S00019637	AK095574	N/A	N/A; N/A; Homo sapiens cDNA FLJ38255 fi	2.46	2.27	5.37E-03 chr11	7964970	7965509	539
HSAP0406S00001879	AK074174	FLJ00247	FLJ00247; FLJ00247 protein; Homo sapien	2.46	2.91	1.22E-03 chr1	112928414	112929203	789
HSAP0406S00020629	AY255600	N/A	N/A; G protein-coupled receptor PGR5; Hor	2.46	2.33	4.70E-03 chr11	66976777	66976942	165

HSAP0406S00020630	NM_206997	GPR152	GPR152; G protein-coupled receptor 152; h	2.46	2.33	4.70E-03 chr11	66976777	66976942	165
HSAP0406S00036062	AJ318895	XAGE-4	XAGE-4; XAGE-4 protein; Homo sapiens p	2.46	2.83	1.50E-03 chrX	55567000	55567619	619
HSAP0406S00002687	BC022077	KARCA1	KARCA1; KARCA1 protein; Homo sapiens	2.46	3.76	1.75E-04 chr1	157880677	157881086	409
HSAP0406S00002686	NM_152366	KARCA1	KARCA1; kelch/ankyrin repeat containing c	2.46	3.76	1.75E-04 chr1	157880677	157881086	409
HSAP0406S00028972	BC024002	DKFZp434H2215	DKFZp434H2215; hypothetical protein DKF	2.46	5.22	6.06E-06 chr17	30471793	30472702	909
HSAP0406S00028971	NM_002878	RAD51L3	RAD51L3; RAD51-like 3 isoform 1; Homo s	2.46	4.12	7.66E-05 chr17	30471793	30472492	699
HSAP0406S00020114	NM_001005205	OR8J1	OR8J1; olfactory receptor, family 8, subfam	2.45	2.29	5.16E-03 chr11	55884189	55884478	289
HSAP0406S00035032	BC008289	MGC20647	MGC20647; MGC20647 protein; Homo sap	2.45	5.76	1.72E-06 chr22	28965608	28966502	894
HSAP0406S00035033	BC014233	MGC20647	MGC20647; MGC20647 protein; Homo sap	2.45	5.76	1.72E-06 chr22	28965608	28966502	894
HSAP0406S00025611	AK074037	FLJ00088	FLJ00088; FLJ00088 protein; Homo sapien	2.45	3.75	1.80E-04 chr15	40352536	40353263	727
HSAP0406S00019874	NM_144981	FLJ25059	FLJ25059; hypothetical protein FLJ25059; l	2.45	3.11	7.77E-04 chr11	31487771	31488405	634
HSAP0406S00007418	NM_006889	CD86	CD86; CD86 antigen isoform 2 precursor; h	2.45	2.03	9.37E-03 chr3	123279250	123279639	389
HSAP0406S00013432	NM_007342	NUPL2	NUPL2; nucleoporin like 2; Homo sapiens r	2.45	3.06	8.81E-04 chr7	22994505	22994695	190
HSAP0406S00014103	NM_022900	CAS1	CAS1; O-acetyltransferase; Homo sapiens	2.45	4.40	3.99E-05 chr7	93783075	93783824	749
HSAP0406S00021645	AY365119	SCNN1A	SCNN1A; amiloride-sensitive epithelial sodi	2.45	3.40	3.95E-04 chr12	6354950	6355879	929
HSAP0406S00021644	BC006526	SCNN1A	SCNN1A; SCNN1A protein; Homo sapiens	2.45	3.40	3.95E-04 chr12	6354950	6355879	929
HSAP0406S00035669	NM_018360	CXorf15	CXorf15; gamma-taxilin; Homo sapiens chr	2.45	2.25	5.58E-03 chrX	16563557	16564066	509
HSAP0406S00030727	NM_021127	PMAIP1	PMAIP1; phorbol-12-myristate-13-acetate-i	2.45	2.79	1.63E-03 chr18	55717377	55717666	289
HSAP0406S00005072	NM_014369	PTPN18	PTPN18; protein tyrosine phosphatase, nor	2.45	2.19	6.50E-03 chr2	130828548	130829097	549
HSAP0406S00018211	AL050040	DKFZp566K0524	DKFZp566K0524; hypothetical protein; Hor	2.44	2.94	1.15E-03 chr10	46061490	46061799	309
HSAP0406S00009663	NM_023924	BRD9	BRD9; bromodomain containing 9; Homo s;	2.44	3.11	7.78E-04 chr5	943042	943701	659
HSAP0406S00022825	NM_003348	UBE2N	UBE2N; ubiquitin-conjugating enzyme E2N	2.44	2.20	6.32E-03 chr12	92338845	92339244	399
HSAP0406S00010235	NM_032280	ZCCHC9	ZCCHC9; zinc finger, CCHC domain contai	2.44	6.19	6.48E-07 chr5	80632568	80633347	779
HSAP0406S00002369	AB032963	KIAA1137	KIAA1137; KIAA1137 protein; Homo sapier	2.44	6.03	9.31E-07 chr1	151119593	151120272	679
HSAP0406S00031354	U37251	ZNF177	ZNF177; KRAB zinc finger protein; Homo s;	2.44	2.91	1.22E-03 chr19	9296078	9296590	512
HSAP0406S00017265	NM_012363	OR1N1	OR1N1; olfactory receptor, family 1, subfarr	2.44	3.46	3.44E-04 chr9	122368967	122369266	299
HSAP0406S00027693	NM_020850	RANBP10	RANBP10; RAN binding protein 10; Homo s	2.43	2.34	4.57E-03 chr16	66398557	66398806	249
HSAP0406S00033723	NM_018677	ACAS2	ACAS2; acetyl-CoA synthetase 2 isoform a	2.43	2.17	6.71E-03 chr20	32927316	32927875	559
HSAP0406S00020620	AK122585	FLJ00332	FLJ00332; FLJ00332 protein; Homo sapien	2.43	2.48	3.28E-03 chr11	66928575	66929494	919
HSAP0406S00026239	BC016975	N/A	N/A; Unknown (protein for IMAGE:4403791	2.43	6.64	2.27E-07 chr15	78001658	78002493	835
HSAP0406S00026238	NM_175898	LOC283687	LOC283687; hypothetical protein LOC2836	2.43	6.64	2.27E-07 chr15	78001658	78002493	835
HSAP0406S00013950	AK127026	N/A	N/A; N/A; Homo sapiens cDNA FLJ45082 fi	2.43	3.10	7.96E-04 chr7	74695380	74696279	899
HSAP0406S00004466	NM_005791	MPHOSPH10	MPHOSPH10; M-phase phosphoprotein 10	2.43	2.20	6.32E-03 chr2	71268429	71268718	289
HSAP0406S00031486	NM_152357	ZNF440	ZNF440; zinc finger protein 440; Homo sap	2.43	3.31	4.93E-04 chr19	11785377	11785976	599
HSAP0406S00009694	NM_004553	NDUFS6	NDUFS6; NADH dehydrogenase (ubiquinor	2.43	3.85	1.41E-04 chr5	1853287	1853698	411
HSAP0406S00009693	NM_032479	MRPL36	MRPL36; mitochondrial ribosomal protein L	2.43	3.85	1.41E-04 chr5	1853287	1853698	411
HSAP0406S00014027	NM_007233	TP53AP1	TP53AP1; TP53 activated protein 1; Homo	2.43	2.19	6.50E-03 chr7	86619873	86620342	469
HSAP0406S00015618	AK024633	N/A	N/A; N/A; Homo sapiens cDNA: FLJ20980 l	2.43	2.60	2.50E-03 chr8	77937533	77938242	709
HSAP0406S00026067	S61298	HEXA	HEXA; N/A; HEXA=beta-hexosaminidase {	2.43	2.09	8.15E-03 chr15	70432750	70433279	529
HSAP0406S00023884	NM_000115	EDNRB	EDNRB; endothelin receptor type B isoform	2.43	7.94	1.15E-08 chr13	77448216	77448435	219
HSAP0406S00007585	NM_007117	TRH	TRH; thyrotropin-releasing hormone; Homo	2.43	2.48	3.28E-03 chr3	131175831	131175970	139

HSAP0406S00024713	AJ249900	smoc1	smoc1; secreted modular calcium-binding p	2.42	2.06	8.65E-03 chr14	69414636	69414945	309
HSAP0406S00015767	NM_017890	COH1	COH1; Cohen syndrome 1 protein isoform f	2.42	3.55	2.84E-04 chr8	100093790	100094579	789
HSAP0406S00001742	AB023193	KIAA0976	KIAA0976; KIAA0976 protein; Homo sapien	2.42	6.10	7.99E-07 chr1	107394821	107395420	599
HSAP0406S00035703	NM_004595	SMS	SMS; spermine synthase; Homo sapiens s	2.42	2.95	1.13E-03 chrX	21717489	21718038	549
HSAP0406S00028497	AK127891	N/A	N/A; N/A; Homo sapiens cDNA FLJ45997 fi	2.42	2.71	1.94E-03 chr17	8021066	8021555	489
HSAP0406S00026318	NM_014630	ZNF592	ZNF592; zinc finger protein 592; Homo sap	2.42	3.83	1.47E-04 chr15	83091674	83092273	599
HSAP0406S00022250	NM_030809	C12orf22	C12orf22; TGF-beta induced apoptosis prote	2.42	3.55	2.84E-04 chr12	49763761	49764020	259
HSAP0406S00009463	AL834334	DKFZp434B129	DKFZp434B129; hypothetical protein; Homo	2.42	2.06	8.65E-03 chr4	164751055	164751374	319
HSAP0406S00020815	NM_007256	SLCO2B1	SLCO2B1; solute carrier organic anion tran	2.42	2.06	8.65E-03 chr11	74539741	74539960	219
HSAP0406S00026012	AK127498	N/A	N/A; N/A; Homo sapiens cDNA FLJ45591 fi	2.42	2.65	2.21E-03 chr15	66871442	66872281	839
HSAP0406S00028107	AK023048	N/A	N/A; N/A; Homo sapiens cDNA FLJ12986 fi	2.42	7.49	3.21E-08 chr16	87826763	87827483	720
HSAP0406S00035475	NM_001001693	FLJ46257	FLJ46257; FLJ46257 protein; Homo sapien	2.42	4.76	1.73E-05 chr22	46348098	46348887	789
HSAP0406S00005828	NM_022453	RNF25	RNF25; ring finger protein 25; Homo sapien	2.42	3.98	1.04E-04 chr2	219362357	219363086	729
HSAP0406S00019305	AL833842	N/A	source; N/A; N/A; Homo sapiens mRNA; cD	2.41	3.00	9.99E-04 chr11	194178	194599	421
HSAP0406S00015842	AF173296	N/A	N/A; e(y)2 homolog; Homo sapiens e(y)2 ho	2.41	7.65	2.23E-08 chr8	110415336	110416021	685
HSAP0406S00007413	NM_018456	EAF2	EAF2; ELL associated factor 2; Homo sapie	2.41	2.41	3.89E-03 chr3	123035814	123036533	719
HSAP0406S00021511	NM_173580	FLJ39058	FLJ39058; hypothetical protein FLJ39058; l	2.41	2.41	3.89E-03 chr11	130047411	130047990	579
HSAP0406S00000576	NM_014870	KIAA0478	KIAA0478; KIAA0478 gene product; Homo	2.41	3.11	7.78E-04 chr1	22522436	22522785	349
HSAP0406S00013177	NM_017802	FLJ20397	FLJ20397; hypothetical protein FLJ20397; l	2.41	2.79	1.63E-03 chr7	541236	541515	279
HSAP0406S00001333	AL713723	DKFZp667O1916	DKFZp667O1916; hypothetical protein; Hor	2.41	2.94	1.15E-03 chr1	54786213	54786782	569
HSAP0406S00006649	NM_001295	CCR1	CCR1; chemokine (C-C motif) receptor 1; H	2.41	3.63	2.37E-04 chr3	46224957	46225496	539
HSAP0406S00001951	NM_025188	TRIM45	TRIM45; tripartite motif-containing 45; Hom	2.41	3.18	6.58E-04 chr1	117376984	117377543	559
HSAP0406S00017508	AK125285	N/A	N/A; N/A; Homo sapiens cDNA FLJ43295 fi	2.41	3.42	3.81E-04 chr9	129959595	129960234	639
HSAP0406S00030924	NM_019112	ABCA7	ABCA7; ATP-binding cassette, sub-family A	2.41	2.20	6.32E-03 chr19	992005	992444	439
HSAP0406S00014731	BC020909	N/A	N/A; Unknown (protein for IMAGE:4724389	2.41	3.96	1.10E-04 chr7	142436248	142436837	589
HSAP0406S00017352	AB007874	KIAA0414	KIAA0414; N/A; Homo sapiens KIAA0414 n	2.41	4.23	5.87E-05 chr9	126672652	126673181	529
HSAP0406S00035147	BC000566	RABL4	RABL4; RAB, member of RAS oncogene fa	2.41	2.39	4.07E-03 chr22	35497116	35497825	709
HSAP0406S00000493	NM_020765	RBAF600	RBAF600; retinoblastoma-associated factor	2.41	3.18	6.58E-04 chr1	19282199	19282908	709
HSAP0406S00034824	AK126860	N/A	N/A; N/A; Homo sapiens cDNA FLJ44912 fi	2.41	5.77	1.69E-06 chr22	20169375	20169964	589
HSAP0406S00003359	NM_012424	RPS6KC1	RPS6KC1; ribosomal protein S6 kinase, 52	2.41	3.25	5.69E-04 chr1	209612202	209612771	569
HSAP0406S00017301	AF119866	N/A	N/A; PRO2206; Homo sapiens PRO2206 rr	2.41	2.49	3.23E-03 chr9	123109119	123109758	639
HSAP0406S00025915	NM_203373	FBXL22	FBXL22; F-box and leucine-rich repeat prot	2.41	2.82	1.50E-03 chr15	61675379	61676178	799
HSAP0406S00018553	NM_032024	C10orf11	C10orf11; chromosome 10 open reading fra	2.41	4.33	4.69E-05 chr10	77212255	77212674	419
HSAP0406S00003946	NM_025203	FLJ21945	FLJ21945; hypothetical protein FLJ21945; l	2.41	3.03	9.39E-04 chr2	24181745	24182134	389
HSAP0406S00003568	NM_000029	AGT	AGT; angiotensinogen precursor; Homo saj	2.41	5.79	1.63E-06 chr1	227156403	227157072	669
HSAP0406S00024740	NM_012074	DPF3	DPF3; cer-d4 (mouse) homolog; Homo sap	2.40	4.45	3.55E-05 chr14	72430753	72431672	919
HSAP0406S00023786	NM_006021	DLEU2	DLEU2; deleted in lymphocytic leukemia, 2;	2.40	5.70	2.00E-06 chr13	49553946	49554895	949
HSAP0406S00014393	NM_012257	HBP1	HBP1; HMG-box transcription factor 1; Horr	2.40	2.09	8.15E-03 chr7	106402421	106402900	479
HSAP0406S00015260	AK074630	N/A	N/A; N/A; Homo sapiens cDNA FLJ90149 fi	2.40	5.75	1.78E-06 chr8	27258862	27259661	799
HSAP0406S00001251	AK127900	N/A	N/A; N/A; Homo sapiens cDNA FLJ46006 fi	2.40	2.01	9.87E-03 chr1	51412610	51413111	501
HSAP0406S00001252	NM_014372	RNF11	RNF11; ring finger protein 11; Homo sapien	2.40	2.01	9.87E-03 chr1	51412610	51413111	501

HSAP0406S00018288	AY258587	PARG	PARG; poly(ADP-ribose) glycohydrolase; H	2.40	3.55	2.84E-04 chr10	51292610	51293339	729
HSAP0406S00011934	NM_015921	C6orf82	C6orf82; chromosome 6 open reading fram	2.40	4.33	4.69E-05 chr6	33494679	33495198	519
HSAP0406S00027152	AL834281	DKFZp547B2315	DKFZp547B2315; hypothetical protein; Hor	2.39	3.21	6.20E-04 chr16	24982523	24982692	169
HSAP0406S00014630	BC030689	SLC13A4	SLC13A4; solute carrier family 13 (sodium/	2.39	3.86	1.37E-04 chr7	134870360	134871229	869
HSAP0406S00004910	NM_032824	FLJ14681	FLJ14681; hypothetical protein FLJ14681; I	2.39	2.17	6.71E-03 chr2	112527745	112528064	319
HSAP0406S00002726	NM_007348	ATF6	ATF6; activating transcription factor 6; Hom	2.39	3.03	9.39E-04 chr1	158467528	158467947	419
HSAP0406S00029506	NM_023079	FLJ13855	FLJ13855; hypothetical protein FLJ13855; I	2.39	4.20	6.24E-05 chr17	44340082	44340761	679
HSAP0406S00028270	AK074032	FLJ00078	FLJ00078; FLJ00078 protein; Homo sapien	2.38	4.35	4.42E-05 chr17	3368667	3369356	689
HSAP0406S00029172	AJ406938	KRTAP4.6	KRTAP4.6; keratin associated protein 4.6; I	2.38	3.44	3.61E-04 chr17	36549915	36550604	689
HSAP0406S00001901	NM_006594	AP4B1	AP4B1; adaptor-related protein complex 4,	2.38	4.90	1.27E-05 chr1	114159920	114160704	784
HSAP0406S00001773	AK093718	N/A	N/A; N/A; Homo sapiens cDNA FLJ36399 fi	2.38	2.83	1.50E-03 chr1	109489678	109489997	319
HSAP0406S00015301	AK057533	N/A	N/A; N/A; Homo sapiens cDNA FLJ32971 fi	2.38	3.66	2.20E-04 chr8	30520253	30520872	619
HSAP0406S00004658	NM_144563	RPIA	RPIA; ribose 5-phosphate isomerase A (rib	2.38	2.34	4.57E-03 chr2	88829306	88830265	959
HSAP0406S00019539	NM_001004757	OR51Q1	OR51Q1; olfactory receptor, family 51, subf	2.38	4.49	3.23E-05 chr11	5399777	5400196	419
HSAP0406S00029119	NM_003250	THRA	THRA; thyroid hormone receptor, alpha isol	2.38	2.62	2.42E-03 chr17	35471566	35472075	509
HSAP0406S00004885	NM_033514	LIMS3	LIMS3; LIM and senescent cell antigen-like	2.38	4.59	2.58E-05 chr2	110012804	110013793	989
HSAP0406S00020898	NM_145018	FLJ25416	FLJ25416; hypothetical protein FLJ25416; I	2.38	4.05	8.87E-05 chr11	82289396	82290016	620
HSAP0406S00020896	NM_199418	PRCP	PRCP; prolylcarboxypeptidase isoform 2; H	2.38	4.05	8.87E-05 chr11	82289396	82290016	620
HSAP0406S00007000	NM_022899	ACTR8	ACTR8; actin-related protein 8; Homo sapi	2.38	2.18	6.66E-03 chr3	53891378	53891587	209
HSAP0406S00021300	NM_198489	DLNB14	DLNB14; similar to DLNB14; Homo sapiens	2.38	3.30	5.07E-04 chr11	118372982	118373541	559
HSAP0406S00019901	U10991	N/A	N/A; G2; Human G2 protein mRNA, partial	2.38	2.20	6.32E-03 chr11	33520818	33521187	369
HSAP0406S00032332	NM_004596	SNRPA	SNRPA; small nuclear ribonucleoprotein po	2.38	2.60	2.50E-03 chr19	45947589	45948188	599
HSAP0406S00009475	NM_007246	KLHL2	KLHL2; kelch-like 2, Mayven; Homo sapien	2.38	3.86	1.37E-04 chr4	166485906	166486125	219
HSAP0406S00013693	BC025958	CCM2	CCM2; CCM2 protein; Homo sapiens cereb	2.38	3.92	1.21E-04 chr7	44881022	44881461	439
HSAP0406S00009165	NM_024090	ELOVL6	ELOVL6; ELOVL family member 6, elongati	2.38	4.54	2.90E-05 chr4	111477466	111478185	719
HSAP0406S00019064	NM_198496	AMACO	AMACO; A-domain containing protein simil	2.38	2.19	6.50E-03 chr10	115988828	115989057	229
HSAP0406S00029630	AK021772	N/A	N/A; N/A; Homo sapiens cDNA FLJ11710 fi	2.38	3.82	1.52E-04 chr17	52708990	52709399	409
HSAP0406S00017985	NM_001001484	PTER	PTER; phosphotriesterase related; Homo s	2.38	4.45	3.55E-05 chr10	16518353	16518752	399
HSAP0406S00031346	NM_020933	ZNF317	ZNF317; zinc finger protein 317; Homo sap	2.38	7.76	1.73E-08 chr19	9111893	9112272	379
HSAP0406S00021619	NM_020374	C12orf4	C12orf4; chromosome 12 open reading frar	2.37	4.51	3.10E-05 chr12	4518233	4518668	435
HSAP0406S00002998	AF361250	PIH4	PIH4; pregnancy-induced hypertension syn	2.37	3.63	2.37E-04 chr1	181161914	181162583	669
HSAP0406S00026331	NM_198079	FLJ40113	FLJ40113; FLJ40113 protein; Homo sapien	2.37	2.50	3.20E-03 chr15	83584405	83584844	439
HSAP0406S00026052	BC038451	N/A	N/A; Similar to RIKEN cDNA 9130427A09 c	2.37	2.29	5.16E-03 chr15	70277465	70278024	559
HSAP0406S00019625	BC021714	PPFIBP2	PPFIBP2; PPFIBP2 protein; Homo sapiens	2.37	2.71	1.94E-03 chr11	7490499	7491048	549
HSAP0406S00010450	NM_023927	NS3TP2	NS3TP2; HCV NS3-transactivated protein 2	2.37	2.18	6.66E-03 chr5	125786330	125786849	519
HSAP0406S00034588	AJ566385	KRTAP10-7	KRTAP10-7; keratin associated protein KAF	2.37	3.32	4.84E-04 chr21	44844605	44845014	409
HSAP0406S00034587	NM_198689	KRTAP10-7	KRTAP10-7; keratin associated protein 10-	2.37	3.32	4.84E-04 chr21	44844605	44845014	409
HSAP0406S00032191	AY358965	N/A	N/A; ADPH3073; Homo sapiens clone DNA	2.37	2.94	1.15E-03 chr19	43493030	43493119	89
HSAP0406S00020748	NM_002599	PDE2A	PDE2A; phosphodiesterase 2A, cGMP-stim	2.37	3.54	2.85E-04 chr11	72063571	72064050	479
HSAP0406S00032780	BC026032	PRRG2	PRRG2; PRRG2 protein; Homo sapiens prc	2.37	4.82	1.52E-05 chr19	54775142	54775875	733
HSAP0406S00004589	NM_017750	FLJ20296	FLJ20296; hypothetical protein FLJ20296; I	2.37	2.34	4.57E-03 chr2	85493524	85493963	439

HSAP0406S00011518	NM_003543	HIST1H4H	HIST1H4H; H4 histone family, member H; H	2.37	4.84	1.44E-05 chr6	26393507	26393841	334
HSAP0406S00016119	NM_032789	PARP10	PARP10; poly (ADP-ribose) polymerase far	2.37	3.30	5.07E-04 chr8	145133144	145133563	419
HSAP0406S00017965	BC026226	N/A	N/A; Unknown (protein for IMAGE:4431121	2.37	3.00	9.99E-04 chr10	14923624	14924403	779
HSAP0406S00029531	NM_007067	MYST2	MYST2; MYST histone acetyltransferase 2;	2.37	2.39	4.07E-03 chr17	45220030	45220559	529
HSAP0406S00033048	AL834532	DKFZp434N0612	DKFZp434N0612; hypothetical protein; Hor	2.37	3.70	1.98E-04 chr19	59651078	59651597	519
HSAP0406S00023300	NM_014708	KNTC1	KNTC1; Rough Deal homolog, centromere/	2.36	3.04	9.11E-04 chr12	121536537	121536946	409
HSAP0406S00008262	NM_153691	FLJ90036	FLJ90036; hypothetical protein FLJ90036; I	2.36	3.27	5.32E-04 chr4	113172	113291	119
HSAP0406S00014695	NM_018980	TAS2R5	TAS2R5; taste receptor T2R5; Homo sapien	2.36	2.49	3.23E-03 chr7	140942966	140943545	579
HSAP0406S00032550	NM_012099	ASE-1	ASE-1; CD3-epsilon-associated protein; ani	2.36	2.18	6.66E-03 chr19	50600887	50601406	519
HSAP0406S00002329	NM_000906	NPR1	NPR1; natriuretic peptide receptor A/guanyl	2.36	2.95	1.13E-03 chr1	150463346	150463805	459
HSAP0406S00010641	AF318361	pp7684	pp7684; unknown; Homo sapiens pp7684 n	2.36	3.22	6.04E-04 chr5	139917903	139918392	489
HSAP0406S00003597	NM_020808	SIPA1L2	SIPA1L2; signal-induced proliferation-assoc	2.36	2.18	6.66E-03 chr1	228957075	228957664	589
HSAP0406S00014142	AK054626	N/A	N/A; N/A; Homo sapiens cDNA FLJ30064 fi	2.36	3.63	2.37E-04 chr7	97581678	97582017	339
HSAP0406S00002945	NM_002826	QSCN6	QSCN6; quiescin Q6 isoform a; Homo sapi	2.36	3.15	7.11E-04 chr1	176854675	176855324	649
HSAP0406S00003179	BX537444	DKFZp686K08109	DKFZp686K08109; hypothetical protein; Hc	2.35	2.74	1.82E-03 chr1	200326356	200327025	669
HSAP0406S00018509	NM_021245	MYOZ1	MYOZ1; myozenin 1; Homo sapiens myoze	2.35	3.34	4.56E-04 chr10	75071412	75071881	469
HSAP0406S00007616	NM_198329	UBE1DC1	UBE1DC1; ubiquitin-activating enzyme E1- $\alpha$	2.35	2.29	5.16E-03 chr3	133861144	133861623	479
HSAP0406S00014990	NM_004084	DEFA1	DEFA1; defensin, alpha 1 preproprotein; Hc	2.35	3.17	6.70E-04 chr8	6843923	6844522	599
HSAP0406S00022468	NM_002868	RAB5B	RAB5B; RAB5B, member RAS oncogene fa	2.35	3.47	3.38E-04 chr12	54653579	54654308	729
HSAP0406S00034703	AK097861	N/A	N/A; N/A; Homo sapiens cDNA FLJ40542 fi	2.35	4.99	1.03E-05 chr22	16634502	16634701	199
HSAP0406S00012706	NM_182645	VGLL2	VGLL2; vestigial-like 2 isoform 1; Homo sa	2.35	3.17	6.70E-04 chr6	117692480	117693219	739
HSAP0406S00033331	NM_177559	CSNK2A1	CSNK2A1; casein kinase II alpha 1 subunit	2.35	3.78	1.65E-04 chr20	472593	473042	449
HSAP0406S00009892	BC015701	OSRF	OSRF; osmosis responsive factor; Homo sa	2.35	2.82	1.50E-03 chr5	40792040	40792339	299
HSAP0406S00020067	NM_001005470	OR4B1	OR4B1; olfactory receptor, family 4, subfa	2.35	2.49	3.23E-03 chr11	48194858	48195107	249
HSAP0406S00000784	NM_203342	EPB41	EPB41; erythrocyte membrane protein ban	2.35	2.82	1.50E-03 chr1	29033604	29034093	489
HSAP0406S00005830	NM_015690	STK36	STK36; serine/threonine kinase 36 (fused h	2.35	2.50	3.20E-03 chr2	219361624	219361993	369
HSAP0406S00026922	AF078853	N/A	N/A; NPD001; Homo sapiens NPD001 mRN	2.35	2.95	1.13E-03 chr16	14265271	14265550	279
HSAP0406S00023963	BC034289	N/A	N/A; Unknown (protein for IMAGE:4825100	2.34	4.49	3.23E-05 chr13	100030259	100030428	169
HSAP0406S00025525	BC045739	C15orf23	C15orf23; C15orf23 protein; Homo sapiens	2.34	4.26	5.51E-05 chr15	38461914	38462253	339
HSAP0406S00020837	NM_003369	UVRAG	UVRAG; UV radiation resistance associater	2.34	2.29	5.16E-03 chr11	75203133	75203442	309
HSAP0406S00017873	BC039172	CALML5	CALML5; calmodulin-like skin protein; Hom	2.34	2.91	1.22E-03 chr10	5532019	5532638	619
HSAP0406S00001077	NM_024664	FLJ11838	FLJ11838; hypothetical protein FLJ11838; I	2.34	6.37	4.28E-07 chr1	42590553	42591272	719
HSAP0406S00024191	NM_005015	OXA1L	OXA1L; oxidase (cytochrome c) assembly 1	2.34	3.84	1.43E-04 chr14	22305291	22305730	439
HSAP0406S00027966	BC052592	MLYCD	MLYCD; MLYCD protein; Homo sapiens m	2.34	3.30	5.07E-04 chr16	82488941	82489540	599
HSAP0406S00001648	NM_007358	M96	M96; putative DNA binding protein; Homo s	2.34	3.70	1.98E-04 chr1	93256654	93257063	409
HSAP0406S00013098	NM_024929	C6orf59	C6orf59; chromosome 6 open reading fram	2.34	4.61	2.45E-05 chr6	161554136	161554565	429
HSAP0406S00033316	NM_080831	DEFB129	DEFB129; beta defensin 129 precursor; Ho	2.33	2.65	2.21E-03 chr20	155065	155354	289
HSAP0406S00033764	NM_016436	C20orf104	C20orf104; chromosome 20 open reading fi	2.33	2.62	2.42E-03 chr20	33822625	33823184	559
HSAP0406S00010735	NM_173828	C5orf16	C5orf16; chromosome 5 open reading fram	2.33	2.39	4.07E-03 chr5	140995837	140996376	539
HSAP0406S00010432	NM_002317	LOX	LOX; lysyl oxidase preproprotein; Homo sa	2.33	2.92	1.19E-03 chr5	121441674	121442363	689
HSAP0406S00025101	NM_032233	C14orf154	C14orf154; chromosome 14 open reading fi	2.33	2.39	4.07E-03 chr14	99017780	99018279	499

HSAP0406S00025130	BX161445	N/A	N/A; N/A; human full-length cDNA clone CS	2.33	2.60	2.50E-03 chr14	100192608	100193177	569
HSAP0406S00028483	NM_021210	TRAPPC1	TRAPPC1; trafficking protein particle compl	2.33	3.23	5.92E-04 chr17	7776312	7777023	711
HSAP0406S00008056	NM_004068	AP2M1	AP2M1; adaptor-related protein complex 2,	2.33	3.27	5.32E-04 chr3	185374228	185374987	759
HSAP0406S00000392	NM_015849	ELA2B	ELA2B; pancreatic elastase IIB; Homo sapi	2.33	2.06	8.65E-03 chr1	15546722	15546831	109
HSAP0406S00034314	NM_181624	KRTAP23-1	KRTAP23-1; keratin associated protein 23-	2.33	2.50	3.20E-03 chr21	30642596	30642885	289
HSAP0406S00029492	NM_024015	HOXB4	HOXB4; homeo box B4; Homo sapiens hon	2.33	3.66	2.20E-04 chr17	44011213	44011842	629
HSAP0406S00006142	NM_018226	RNPEPL1	RNPEPL1; arginyl aminopeptidase (aminop	2.33	2.09	8.15E-03 chr2	241226794	241227083	289
HSAP0406S00023962	BC001077	LOC87769	LOC87769; LOC87769 protein; Homo sapi	2.33	2.50	3.20E-03 chr13	99984469	99985088	619
HSAP0406S00019250	NM_173541	C10orf91	C10orf91; chromosome 10 open reading fra	2.33	3.96	1.10E-04 chr10	134108443	134108882	439
HSAP0406S00011780	BC064527	CLIC1	CLIC1; CLIC1 protein; Homo sapiens chl	2.33	4.49	3.23E-05 chr6	31813705	31814314	609
HSAP0406S00006640	BC042483	LZTFL1	LZTFL1; leucine zipper transcription factor-l	2.33	2.48	3.28E-03 chr3	45858435	45858804	369
HSAP0406S00016766	AB002365	KIAA0367	KIAA0367; N/A; Human mRNA for KIAA036	2.33	2.41	3.89E-03 chr9	76550452	76551001	549
HSAP0406S00011524	NM_006995	BTN2A2	BTN2A2; butyrophilin, subfamily 2, member	2.33	4.36	4.33E-05 chr6	26491143	26491492	349
HSAP0406S00021176	NM_030770	TMPRSS5	TMPRSS5; transmembrane protease, serin	2.32	2.92	1.19E-03 chr11	113082336	113082995	659
HSAP0406S00001619	BC009550	N/A	N/A; Unknown (protein for MGC:10091); Hc	2.32	4.45	3.55E-05 chr1	90171451	90171850	399
HSAP0406S00001620	NM_182976	FLJ20403	FLJ20403; hypothetical protein FLJ20403 is	2.32	4.45	3.55E-05 chr1	90171451	90171850	399
HSAP0406S00008424	AK126065	N/A	N/A; N/A; Homo sapiens cDNA FLJ44077 fi	2.32	2.20	6.32E-03 chr4	7166001	7166570	569
HSAP0406S00001163	BC006119	LOC400752	LOC400752; LOC400752 protein; Homo sa	2.32	3.79	1.64E-04 chr1	45438896	45439155	259
HSAP0406S00023713	AB051491	KIAA1704	KIAA1704; KIAA1704 protein; Homo sapier	2.32	2.99	1.01E-03 chr13	44461285	44462091	806
HSAP0406S00023712	NM_012345	NUFIP1	NUFIP1; nuclear fragile X mental retardatio	2.32	2.99	1.01E-03 chr13	44461285	44462091	806
HSAP0406S00021440	L38961	B5	B5; N/A; Human putative transmembrane p	2.32	2.30	5.07E-03 chr11	124966972	124967691	719
HSAP0406S00033792	NM_152503	C20orf132	C20orf132; chromosome 20 open reading fi	2.32	2.06	8.65E-03 chr20	35242289	35242458	169
HSAP0406S00006379	NM_138381	MGC15763	MGC15763; hypothetical protein BC008322	2.32	2.03	9.37E-03 chr3	16280924	16281363	439
HSAP0406S00024136	NM_194430	RNASE4	RNASE4; ribonuclease, RNase A family, 4	2.32	3.17	6.74E-04 chr14	20221112	20222011	899
HSAP0406S00015562	NM_020361	CPA6	CPA6; carboxypeptidase B precursor; Hom	2.32	2.40	3.99E-03 chr8	68821085	68821674	589
HSAP0406S00010562	BC000097	TGFBI	TGFBI; transforming growth factor, beta-ind	2.32	2.06	8.65E-03 chr5	135391800	135392269	469
HSAP0406S00027906	NM_007285	GABARAPL2	GABARAPL2; GABA(A) receptor-associate	2.32	3.17	6.70E-04 chr16	74157180	74157469	289
HSAP0406S00019854	NM_018362	LIN7C	LIN7C; lin-7 homolog C; Homo sapiens lin-	2.32	3.53	2.93E-04 chr11	27484425	27485189	764
HSAP0406S00013035	AK125148	N/A	N/A; N/A; Homo sapiens cDNA FLJ43158 fi	2.32	2.48	3.28E-03 chr6	158040813	158041182	369
HSAP0406S00016714	NM_181425	FXN	FXN; frataxin isoform 2 preproprotein; Hom	2.32	4.49	3.23E-05 chr9	68878598	68880027	1429
HSAP0406S00020028	NM_001610	ACP2	ACP2; lysosomal acid phosphatase 2 precu	2.32	5.81	1.55E-06 chr11	47226693	47227659	966
HSAP0406S00024488	NM_030755	TXNDC	TXNDC; thioredoxin domain containing; Ho	2.32	3.86	1.39E-04 chr14	50776396	50776595	199
HSAP0406S00005313	NM_020675	Spc25	Spc25; kinetochore protein Spc25; Homo s	2.31	2.82	1.52E-03 chr2	169572302	169572691	389
HSAP0406S00020030	BC041172	NR1H3	NR1H3; NR1H3 protein; Homo sapiens nuc	2.31	5.81	1.55E-06 chr11	47226083	47227499	1416
HSAP0406S00032827	NM_001001687	FLJ26850	FLJ26850; FLJ26850 protein; Homo sapien	2.31	2.79	1.63E-03 chr19	55244888	55245527	639
HSAP0406S00020038	NM_002804	PSMC3	PSMC3; proteasome 26S ATPase subunit ;	2.31	2.94	1.15E-03 chr11	47404766	47405065	299
HSAP0406S00032700	NM_000979	RPL18	RPL18; ribosomal protein L18; Homo sapie	2.31	5.33	4.70E-06 chr19	53814346	53814805	459
HSAP0406S00019782	NM_005316	GTF2H1	GTF2H1; general transcription factor IIH, pc	2.31	5.08	8.31E-06 chr11	18299889	18300388	499
HSAP0406S00008992	NM_138980	MAPK10	MAPK10; mitogen-activated protein kinase	2.31	3.80	1.57E-04 chr4	87638346	87638625	279
HSAP0406S00008553	BC032431	LOC389203	LOC389203; LOC389203 protein; Homo sa	2.31	2.05	8.82E-03 chr4	25591505	25591954	449
HSAP0406S00011441	NM_003107	SOX4	SOX4; SRY (sex determining region Y)-box	2.31	3.66	2.20E-04 chr6	21701721	21702100	379



HSAP0406S00016895	AK024267	N/A	N/A; N/A; Homo sapiens cDNA FLJ14205 fi	2.31	4.54	2.90E-05 chr9	92498173	92498662	489
HSAP0406S00009301	AB051504	KIAA1717	KIAA1717; KIAA1717 protein; Homo sapier	2.31	2.06	8.65E-03 chr4	140835954	140836243	289
HSAP0406S00017112	Z25436	N/A	N/A; protein-tyrosine kinase; H.sapiens prot	2.31	4.28	5.27E-05 chr9	110642036	110642585	549
HSAP0406S00001222	AK097373	N/A	N/A; N/A; Homo sapiens cDNA FLJ40054 fi	2.31	5.65	2.23E-06 chr1	47077968	47078377	409
HSAP0406S00033628	BC062357	N/A	N/A; Unknown (protein for MGC:71350); Hc	2.31	3.92	1.21E-04 chr20	25938370	25938669	299
HSAP0406S00016704	AF343006	N/A	N/A; winged helix transcription factor beta; l	2.31	9.39	4.09E-10 chr9	68146897	68147476	579
HSAP0406S00016703	NM_199135	FOXD4L2	FOXD4L2; FOXD4-like 2; Homo sapiens FC	2.31	9.39	4.09E-10 chr9	68146897	68147476	579
HSAP0406S00007645	NM_016201	AMOTL2	AMOTL2; angiomin like 2; Homo sapiens	2.31	2.20	6.32E-03 chr3	135576515	135576754	239
HSAP0406S00000882	AF336875	FKSG48	FKSG48; FKSG48; Homo sapiens FKSG48	2.31	2.34	4.57E-03 chr1	33107217	33107546	329
HSAP0406S00029007	BC027961	N/A	source; N/A; N/A; Homo sapiens mRNA sirr	2.31	5.17	6.73E-06 chr17	31454963	31455512	549
HSAP0406S00029008	NM_002984	CCL4	CCL4; chemokine (C-C motif) ligand 4 prec	2.31	5.17	6.73E-06 chr17	31454963	31455512	549
HSAP0406S00019363	NM_024698	SLC25A22	SLC25A22; mitochondrial glutamate carrier	2.31	3.18	6.58E-04 chr11	786332	787001	669
HSAP0406S00035309	AB051442	KIAA1655	KIAA1655; KIAA1655 protein; Homo sapier	2.31	4.19	6.47E-05 chr22	40086999	40087608	609
HSAP0406S00028454	AK000923	N/A	N/A; N/A; Homo sapiens cDNA FLJ10061 fi	2.31	2.91	1.22E-03 chr17	7407943	7408602	659
HSAP0406S00004703	BC015216	N/A	N/A; Unknown (protein for IMAGE:3849975	2.30	2.91	1.22E-03 chr2	96097080	96097699	619
HSAP0406S00030396	NM_003574	VAPA	VAPA; vesicle-associated membrane protei	2.30	2.71	1.94E-03 chr18	9902744	9903513	769
HSAP0406S00001820	AK124875	N/A	N/A; N/A; Homo sapiens cDNA FLJ42885 fi	2.30	3.47	3.38E-04 chr1	110452549	110453078	529
HSAP0406S00008394	AY358353	N/A	N/A; HSA250839; Homo sapiens clone DN/	2.30	2.20	6.32E-03 chr4	5258525	5259084	559
HSAP0406S00024717	AF226729	N/A	N/A; PTD019; Homo sapiens PTD019 mRN	2.30	4.17	6.78E-05 chr14	69895998	69896307	309
HSAP0406S00035844	NM_003669	INE1	INE1; inactivation escape 1; Homo sapiens	2.30	2.13	7.45E-03 chrX	46819274	46819393	119
HSAP0406S00027313	NM_023931	MGC2474	MGC2474; hypothetical protein MGC2474;	2.30	2.71	1.94E-03 chr16	30453516	30453745	229
HSAP0406S00000845	AK075260	N/A	N/A; N/A; Homo sapiens cDNA FLJ90779 fi	2.30	6.02	9.54E-07 chr1	32355691	32357298	1607
HSAP0406S00018690	NM_017824	RNF153	RNF153; ring finger protein 153; Homo sap	2.30	2.34	4.57E-03 chr10	94039950	94040259	309
HSAP0406S00031352	AK095463	N/A	N/A; N/A; Homo sapiens cDNA FLJ38144 fi	2.30	6.40	3.96E-07 chr19	9274011	9274390	379
HSAP0406S00020584	BC034469	FLJ10786	FLJ10786; hypothetical protein FLJ10786; l	2.30	2.68	2.08E-03 chr11	66117336	66117770	434
HSAP0406S00015210	NM_003842	TNFRSF10B	TNFRSF10B; tumor necrosis factor recepto	2.30	4.01	9.73E-05 chr8	22982438	22982867	429
HSAP0406S00031675	NM_054113	CIB3	CIB3; DNA-dependent protein kinase cataly	2.29	2.73	1.85E-03 chr19	16145087	16145466	379
HSAP0406S00032927	NM_198480	ZNF615	ZNF615; zinc finger protein 615; Homo sap	2.29	3.32	4.79E-04 chr19	57203481	57203920	439
HSAP0406S00001299	NM_000098	CPT2	CPT2; carnitine palmitoyltransferase II; Hor	2.29	3.06	8.81E-04 chr1	53373262	53373801	539
HSAP0406S00002664	NM_005598	NHLH1	NHLH1; nescient helix loop helix 1; Homo s	2.29	2.63	2.32E-03 chr1	157148707	157149216	509
HSAP0406S00010881	NM_001447	FAT2	FAT2; FAT tumor suppressor 2 precursor; f	2.29	2.71	1.94E-03 chr5	150928499	150928718	219
HSAP0406S00034844	NM_080926	LOC96610	LOC96610; hypothetical protein similar to K	2.29	2.92	1.19E-03 chr22	20981883	20982282	399
HSAP0406S00028447	NM_000937	POLR2A	POLR2A; DNA directed RNA polymerase II	2.29	2.60	2.50E-03 chr17	7327262	7327941	679
HSAP0406S00020228	NM_024098	MGC2574	MGC2574; hypothetical protein MGC2574;	2.29	2.79	1.63E-03 chr11	60365020	60365719	699
HSAP0406S00026928	BC008178	LOC339047	LOC339047; LOC339047 protein; Homo sa	2.29	4.77	1.69E-05 chr16	14726110	14726879	769
HSAP0406S00002663	BC047621	NCSTN	NCSTN; NCSTN protein; Homo sapiens nic	2.29	3.39	4.03E-04 chr1	157125469	157126088	619
HSAP0406S00022798	NM_025114	Cep290	Cep290; centrosome protein cep290; Homc	2.29	3.21	6.15E-04 chr12	87038039	87038578	539
HSAP0406S00022799	NM_181783	SMILE	SMILE; SMILE protein; Homo sapiens SMIL	2.29	3.21	6.15E-04 chr12	87037859	87038578	719
HSAP0406S00023787	NM_005887	DLEU1	DLEU1; deleted in lymphocytic leukemia, 1;	2.29	5.70	2.00E-06 chr13	49553946	49554645	699
HSAP0406S00036107	NM_001551	IGBP1	IGBP1; immunoglobulin binding protein 1; f	2.29	5.76	1.72E-06 chrX	69135969	69136498	529
HSAP0406S00024937	AL832321	DKFZp54711415	DKFZp54711415; hypothetical protein; Hom	2.29	2.60	2.50E-03 chr14	89491029	89491588	559

HSAP0406S00024939	BC006083	TDP1	TDP1; TDP1 protein; Homo sapiens tyrosyl	2.29	2.60	2.50E-03 chr14	89491209	89491588	379
HSAP0406S00022330	AF119854	N/A	N/A; PRO1843; Homo sapiens PRO1843 r	2.29	3.00	9.99E-04 chr12	51722370	51723079	709
HSAP0406S00021422	AK074163	FLJ00236	FLJ00236; FLJ00236 protein; Homo sapien	2.29	2.48	3.28E-03 chr11	124273172	124273531	359
HSAP0406S00003785	AK126079	N/A	N/A; N/A; Homo sapiens cDNA FLJ44091 fi	2.29	4.05	8.87E-05 chr1	245357820	245358449	629
HSAP0406S00009318	AB033040	KIAA1214	KIAA1214; KIAA1214 protein; Homo sapier	2.29	3.18	6.58E-04 chr4	142412272	142412621	349
HSAP0406S00005149	AF161345	N/A	N/A; HSPC082; Homo sapiens HSPC082 r	2.29	3.37	4.29E-04 chr2	145105003	145105622	619
HSAP0406S00014844	NM_000603	NOS3	NOS3; nitric oxide synthase 3 (endothelial c	2.29	2.23	5.84E-03 chr7	150124535	150124954	419
HSAP0406S00019649	BC014919	MGC10850	MGC10850; MGC10850 protein; Homo sap	2.28	4.61	2.43E-05 chr11	8666071	8666480	409
HSAP0406S00035859	NM_005229	ELK1	ELK1; ELK1 protein; Homo sapiens ELK1, i	2.28	3.09	8.12E-04 chrX	47266755	47267314	559
HSAP0406S00001477	NM_030816	DKFZP566D1346	DKFZP566D1346; hypothetical protein DKF	2.28	3.42	3.81E-04 chr1	70532629	70533268	639
HSAP0406S00009863	NM_153485	NUP155	NUP155; nucleoporin 155kDa isoform 1; Hc	2.28	2.83	1.50E-03 chr5	37407055	37407644	589
HSAP0406S00003430	AK023679	N/A	N/A; N/A; Homo sapiens cDNA FLJ13617 fi	2.28	6.99	1.02E-07 chr1	219563954	219564611	657
HSAP0406S00003429	AL133092	DKFZp434I0428	DKFZp434I0428; hypothetical protein; Hom	2.28	6.99	1.02E-07 chr1	219563954	219564611	657
HSAP0406S00003428	BC011542	N/A	N/A; Unknown (protein for IMAGE:3855477	2.28	6.99	1.02E-07 chr1	219563954	219564611	657
HSAP0406S00018077	BC029350	RAB18	RAB18; RAB18, member RAS oncogene fa	2.28	2.79	1.63E-03 chr10	27832499	27832968	469
HSAP0406S00016549	AF452589	N/A	N/A; testis-specific kinase 1; Homo sapiens	2.28	10.64	2.27E-11 chr9	35597932	35598274	342
HSAP0406S00016547	AF507908	N/A	N/A; testis-specific kinase-1; Homo sapiens	2.28	10.64	2.27E-11 chr9	35597932	35598274	342
HSAP0406S00016546	AF507909	N/A	N/A; testis-specific kinase-1; Homo sapiens	2.28	10.64	2.27E-11 chr9	35597932	35598274	342
HSAP0406S00016545	AF521047	N/A	N/A; testis specific kinase-1; Homo sapiens	2.28	10.64	2.27E-11 chr9	35597932	35598274	342
HSAP0406S00016548	AF521049	N/A	N/A; testis specific kinase-1; Homo sapiens	2.28	10.64	2.27E-11 chr9	35597932	35598274	342
HSAP0406S00002134	NM_003548	HIST2H4	HIST2H4; histone 2, H4; Homo sapiens his	2.28	2.25	5.58E-03 chr1	146646059	146646488	429
HSAP0406S00022898	NM_005123	NR1H4	NR1H4; nuclear receptor subfamily 1, grou	2.28	2.36	4.39E-03 chr12	99369607	99370146	539
HSAP0406S00001827	BC062619	HBXIP	HBXIP; hepatitis B virus x-interacting protei	2.28	2.71	1.94E-03 chr1	110662757	110663066	309
HSAP0406S00022807	NM_001946	DUSP6	DUSP6; dual specificity phosphatase 6 isof	2.28	2.48	3.28E-03 chr12	88248785	88249364	579
HSAP0406S00019108	D50929	KIAA0139	KIAA0139; N/A; Homo sapiens mRNA for K	2.28	2.20	6.32E-03 chr10	120830497	120830996	499
HSAP0406S00007462	NM_033049	MUC13	MUC13; mucin 13, epithelial transmembran	2.28	2.41	3.89E-03 chr3	126136371	126137020	649
HSAP0406S00004955	BC005070	MGC13005	MGC13005; MGC13005 protein; Homo sap	2.28	2.29	5.16E-03 chr2	114074348	114074727	379
HSAP0406S00035043	AY203959	N/A	N/A; LP6347; Homo sapiens LP6347 mRNA/	2.28	3.25	5.69E-04 chr22	29142931	29143420	489
HSAP0406S00011815	K00830	N/A	N/A; N/A; human complement fourth compc	2.28	2.34	4.57E-03 chr6	32106348	32106677	329
HSAP0406S00023084	NM_006768	BRAP	BRAP; BRCA1 associated protein; Homo s;	2.27	2.81	1.55E-03 chr12	110586580	110586791	211
HSAP0406S00029909	AY358148	N/A	N/A; CMRF35A4; Homo sapiens clone DN/	2.27	3.30	5.01E-04 chr17	70099948	70100627	679
HSAP0406S00015067	AK091259	N/A	N/A; N/A; Homo sapiens cDNA FLJ33940 fi	2.27	2.20	6.32E-03 chr8	11908060	11908559	499
HSAP0406S00022602	NM_206914	DKFZP586D0919	DKFZP586D0919; hepatocellularcarcinoma	2.27	2.70	2.00E-03 chr12	56452100	56452589	489
HSAP0406S00022764	AF458589	PPP1R12A	PPP1R12A; myosin phosphatase target sut	2.27	2.48	3.28E-03 chr12	78831504	78832113	609
HSAP0406S00002869	AK057310	N/A	N/A; N/A; Homo sapiens cDNA FLJ32748 fi	2.27	2.65	2.21E-03 chr1	170568417	170569016	599
HSAP0406S00034845	AK026408	N/A	N/A; N/A; Homo sapiens cDNA: FLJ22755 f	2.27	4.99	1.03E-05 chr22	20988630	20989229	599
HSAP0406S00002120	AK130282	N/A	N/A; N/A; Homo sapiens cDNA FLJ26772 fi	2.27	4.99	1.02E-05 chr1	146078816	146079095	279
HSAP0406S00019923	NM_000610	CD44	CD44; CD44 antigen isoform 1 precursor; f	2.27	2.68	2.08E-03 chr11	35116593	35117032	439
HSAP0406S00027861	NM_006885	ATBF1	ATBF1; AT-binding transcription factor 1; H	2.27	2.20	6.32E-03 chr16	71640296	71640755	459
HSAP0406S00003082	NM_020204	LHX9	LHX9; LIM homeobox 9; Homo sapiens LIM	2.27	3.32	4.79E-04 chr1	194616894	194617293	399
HSAP0406S00029764	AF035309	N/A	N/A; N/A; Homo sapiens clone 23598 mRN	2.27	2.62	2.39E-03 chr17	59257543	59258562	1019

HSAP0406S00029762	AF327355	N/A	N/A; hypothetical protein SB92; Homo sapiens	2.27	2.58	2.65E-03 chr17	59257903	59258562	659
HSAP0406S00022827	NM_172178	MRPL42	MRPL42; mitochondrial ribosomal protein L	2.27	4.20	6.24E-05 chr12	92363588	92363927	339
HSAP0406S00028297	NM_003342	UBE2G1	UBE2G1; ubiquitin-conjugating enzyme E2	2.27	2.20	6.32E-03 chr17	4216913	4217202	289
HSAP0406S00004966	NM_006773	DDX18	DDX18; DEAD (Asp-Glu-Ala-Asp) box poly	2.27	6.51	3.10E-07 chr2	118288215	118288664	449
HSAP0406S00002307	NM_002965	S100A9	S100A9; S100 calcium-binding protein A9; I	2.27	2.50	3.20E-03 chr1	150143133	150143562	429
HSAP0406S00020890	BX640737	DKFZp686K11107	DKFZp686K11107; hypothetical protein; Hc	2.27	3.18	6.54E-04 chr11	78097003	78097512	509
HSAP0406S00018318	NM_018464	C10orf70	C10orf70; chromosome 10 open reading fra	2.27	2.82	1.50E-03 chr10	59698161	59698700	539
HSAP0406S00018317	NM_152230	IPMK	IPMK; inositol polyphosphate multikinase; I	2.27	2.82	1.50E-03 chr10	59698161	59698700	539
HSAP0406S00000087	AK074112	FLJ00183	FLJ00183; FLJ00183 protein; Homo sapien	2.26	3.30	5.07E-04 chr1	1420567	1421236	669
HSAP0406S00007346	NM_020817	KIAA1407	KIAA1407; KIAA1407 protein; Homo sapien	2.26	2.89	1.30E-03 chr3	115257911	115258520	609
HSAP0406S00007347	NM_024638	QTRTD1	QTRTD1; queuine tRNA-ribosyltransferase	2.26	2.89	1.30E-03 chr3	115257911	115258520	609
HSAP0406S00031370	AK125160	N/A	N/A; N/A; Homo sapiens cDNA FLJ43170 fi	2.26	7.40	3.96E-08 chr19	9812719	9812958	239
HSAP0406S00030362	AF515797	EPB41L3	EPB41L3; HSF protein; Homo sapiens HSF	2.26	2.29	5.16E-03 chr18	5384204	5384693	489
HSAP0406S00017050	NM_006444	SMC2L1	SMC2L1; structural maintenance of chromo	2.26	2.34	4.57E-03 chr9	103935032	103935561	529
HSAP0406S00006606	NM_181489	ZNF445	ZNF445; zinc finger protein 445; Homo sap	2.26	2.36	4.39E-03 chr3	44494477	44495086	609
HSAP0406S00001859	NM_000677	ADORA3	ADORA3; adenosine A3 receptor; Homo sa	2.26	2.82	1.50E-03 chr1	111758586	111759045	459
HSAP0406S00015651	NM_005181	CA3	CA3; carbonic anhydrase III; Homo sapiens	2.26	2.82	1.52E-03 chr8	86537550	86537899	349
HSAP0406S00014554	NM_005631	SMO	SMO; smoothened; Homo sapiens smoothe	2.26	2.20	6.32E-03 chr7	128421464	128421963	499
HSAP0406S00029358	BC024147	KIAA0553	KIAA0553; KIAA0553 protein; Homo sapien	2.25	2.19	6.50E-03 chr17	39831842	39832231	389
HSAP0406S00027289	BC061522	KIAA0220	KIAA0220; KIAA0220 protein; Homo sapien	2.25	3.30	5.07E-04 chr16	30145012	30145831	819
HSAP0406S00016565	NM_006368	CREB3	CREB3; cAMP responsive element binding	2.25	2.29	5.16E-03 chr9	35721627	35721996	369
HSAP0406S00010127	AK130833	N/A	N/A; N/A; Homo sapiens cDNA FLJ27323 fi	2.25	2.20	6.32E-03 chr5	70556022	70556341	319
HSAP0406S00002015	AB033071	KIAA1245	KIAA1245; KIAA1245 protein; Homo sapien	2.25	3.56	2.75E-04 chr1	142300512	142300991	479
HSAP0406S00014991	AF355799	N/A	N/A; retrocyclin; Homo sapiens retrocyclin r	2.25	2.19	6.50E-03 chr8	6853767	6855056	1289
HSAP0406S00016582	NM_019897	OR2S2	OR2S2; olfactory receptor, family 2, subfarr	2.25	2.57	2.68E-03 chr9	35947916	35948325	409
HSAP0406S00011666	AF151017	N/A	N/A; HSPC183; Homo sapiens HSPC183 r	2.25	3.56	2.74E-04 chr6	30693060	30693654	594
HSAP0406S00011665	NM_002714	PPP1R10	PPP1R10; protein phosphatase 1, regulator	2.25	3.56	2.74E-04 chr6	30693060	30693654	594
HSAP0406S00007558	NM_016128	COPG	COPG; coatomer protein complex, subunit	2.25	2.20	6.32E-03 chr3	130449931	130450280	349
HSAP0406S00029173	AJ406945	KRTAP4.15	KRTAP4.15; keratin associated protein 4.15	2.25	3.44	3.61E-04 chr17	36549995	36550604	609
HSAP0406S00009623	NM_004477	FRG1	FRG1; FSHD region gene 1; Homo sapiens	2.25	2.20	6.32E-03 chr4	191236033	191236372	339
HSAP0406S00001848	U58515	HUMTCHIT	HUMTCHIT; chitinase; Human chitinase (H	2.25	4.54	2.90E-05 chr1	111483075	111483464	389
HSAP0406S00007227	NM_032787	GPR128	GPR128; G protein-coupled receptor 128; I	2.25	4.19	6.47E-05 chr3	101810805	101811294	489
HSAP0406S00019438	AF118081	N/A	N/A; PRO1900; Homo sapiens PRO1900 r	2.24	2.08	8.33E-03 chr11	1973510	1974099	589
HSAP0406S00017035	AK025643	N/A	N/A; N/A; Homo sapiens cDNA: FLJ21990 I	2.24	2.01	9.82E-03 chr9	101240218	101240637	419
HSAP0406S00017036	NM_197977	ZNF189	ZNF189; zinc finger protein 189; Homo sap	2.24	2.01	9.82E-03 chr9	101240218	101240637	419
HSAP0406S00032921	BC057776	ZNF613	ZNF613; ZNF613 protein; Homo sapiens zi	2.24	3.05	8.94E-04 chr19	57122131	57122740	609
HSAP0406S00008671	NM_175619	ZAR1	ZAR1; zygote arrest 1; Homo sapiens zygo	2.24	2.48	3.28E-03 chr4	48332457	48332826	369
HSAP0406S00022400	NM_031157	HNRPA1	HNRPA1; heterogeneous nuclear ribonucle	2.24	2.19	6.50E-03 chr12	52959465	52960094	629
HSAP0406S00006865	NM_170714	RASSF1	RASSF1; Ras association domain family 1 i	2.24	3.06	8.81E-04 chr3	50353962	50354441	479
HSAP0406S00029215	NM_000805	GAS	GAS; proprotein; Homo sapiens gastrin (G	2.24	2.76	1.73E-03 chr17	37121376	37122045	669
HSAP0406S00033905	AF305815	N/A	N/A; PRO0433; Homo sapiens PRO0433 r	2.24	2.65	2.21E-03 chr20	43483208	43483607	399

HSAP0406S00026278	AK125436	N/A	N/A; N/A; Homo sapiens cDNA FLJ43447 fi	2.24	2.48	3.28E-03 chr15	80780100	80781209	1109
HSAP0406S00031282	AB002559	N/A	N/A; hunc18b2; Homo sapiens mRNA for h	2.24	3.56	2.76E-04 chr19	7606751	7607510	759
HSAP0406S00019794	NM_194285	FLJ39441	FLJ39441; hypothetical protein FLJ39441; l	2.24	4.05	8.87E-05 chr11	18612697	18613286	589
HSAP0406S00010164	NM_032380	GFM2	GFM2; mitochondrial elongation factor G2 i	2.24	3.39	4.03E-04 chr5	74098819	74099488	669
HSAP0406S00030572	AK095502	N/A	N/A; N/A; Homo sapiens cDNA FLJ38183 fi	2.24	3.35	4.45E-04 chr18	31331706	31332045	339
HSAP0406S00035074	AF078103	DRG	DRG; developmentally regulated GTP-bindi	2.24	3.94	1.14E-04 chr22	30119983	30120312	329
HSAP0406S00021199	NM_052968	APOA5	APOA5; apolipoprotein AV; Homo sapiens ;	2.24	2.94	1.15E-03 chr11	116168365	116168814	449
HSAP0406S00029074	BC034378	RPL23	RPL23; RPL23 protein; Homo sapiens ribos	2.24	2.20	6.32E-03 chr17	34263675	34263934	259
HSAP0406S00028416	NM_001307	CLDN7	CLDN7; claudin 7; Homo sapiens claudin 7	2.24	2.39	4.07E-03 chr17	7106934	7107473	539
HSAP0406S00035812	NM_000240	MAOA	MAOA; monoamine oxidase A; Homo sapie	2.24	2.50	3.20E-03 chrX	43271243	43271702	459
HSAP0406S00014904	NM_024012	HTR5A	HTR5A; 5-hydroxytryptamine (serotonin) re	2.24	2.94	1.15E-03 chr7	154298998	154299437	439
HSAP0406S00019224	AK021432	N/A	N/A; N/A; Homo sapiens cDNA FLJ11370 fi	2.24	2.75	1.76E-03 chr10	131475297	131475746	449
HSAP0406S00008887	AK124415	N/A	N/A; N/A; Homo sapiens cDNA FLJ42424 fi	2.23	3.55	2.84E-04 chr4	78017254	78018043	789
HSAP0406S00001245	BC036071	ELAVL4	ELAVL4; ELAVL4 protein; Homo sapiens E	2.23	3.53	2.97E-04 chr1	50286114	50286673	559
HSAP0406S00035732	AK057429	N/A	N/A; N/A; Homo sapiens cDNA FLJ32867 fi	2.23	2.78	1.66E-03 chrX	27240431	27241040	609
HSAP0406S00029258	AK075415	N/A	N/A; N/A; Homo sapiens cDNA PSEC0106	2.23	7.38	4.14E-08 chr17	37967161	37967910	749
HSAP0406S00000423	NM_153213	ARHGEF19	ARHGEF19; Rho guanine nucleotide excha	2.23	2.96	1.11E-03 chr1	16284691	16285220	529
HSAP0406S00021016	NM_032427	MAML2	MAML2; mastermind-like 2; Homo sapiens	2.23	3.25	5.69E-04 chr11	95715923	95716532	609
HSAP0406S00022170	AB033000	KIAA1174	KIAA1174; KIAA1174 protein; Homo sapier	2.23	2.48	3.28E-03 chr12	47791048	47791487	439
HSAP0406S00000900	NM_052896	CSMD2	CSMD2; CUB and Sushi multiple domains ;	2.23	2.74	1.82E-03 chr1	34300377	34300986	609
HSAP0406S00009817	AK130833	N/A	N/A; N/A; Homo sapiens cDNA FLJ27323 fi	2.23	3.63	2.37E-04 chr5	34216962	34217321	359
HSAP0406S00031202	NM_000149	FUT3	FUT3; fucosyltransferase 3 (galactoside 3(4	2.23	6.42	3.78E-07 chr19	5802283	5802802	519
HSAP0406S00032493	AF198358	ZNF228	ZNF228; zinc finger protein ZNF228; Homo	2.23	2.19	6.50E-03 chr19	49552970	49553439	469
HSAP0406S00035279	NM_020831	MKL1	MKL1; megakaryoblastic leukemia 1 proteir	2.23	2.96	1.11E-03 chr22	39357291	39357740	449
HSAP0406S00019751	BC008657	N/A	N/A; Unknown (protein for IMAGE:3865861	2.23	3.72	1.91E-04 chr11	17029984	17030333	349
HSAP0406S00027403	AK128128	N/A	N/A; N/A; Homo sapiens cDNA FLJ46249 fi	2.23	2.60	2.50E-03 chr16	33257051	33257320	269
HSAP0406S00021279	NM_015157	PHLDB1	PHLDB1; pleckstrin homology-like domain,	2.23	2.48	3.28E-03 chr11	117981713	117982282	569
HSAP0406S00007337	AB095938	KIAA2018	KIAA2018; KIAA2018 protein; Homo sapier	2.23	2.33	4.67E-03 chr3	114862163	114862692	529
HSAP0406S00016335	NM_017637	BNC2	BNC2; basonuclin 2; Homo sapiens basonu	2.23	2.18	6.66E-03 chr9	16717846	16718365	519
HSAP0406S00023724	NM_031431	COG3	COG3; component of golgi transport compl	2.23	2.38	4.18E-03 chr13	44936712	44937031	319
HSAP0406S00027711	M12625	LCAT	LCAT; N/A; Human lecithin-cholesterol acyl	2.23	3.06	8.81E-04 chr16	66536533	66536942	409
HSAP0406S00018231	NM_016204	GDF2	GDF2; growth differentiation factor 2; Homc	2.22	2.29	5.16E-03 chr10	48036960	48037359	399
HSAP0406S00015276	NM_006228	PNOC	PNOC; prepronociceptin; Homo sapiens pre	2.22	2.50	3.20E-03 chr8	28230468	28230767	299
HSAP0406S00030120	AK123925	N/A	N/A; N/A; Homo sapiens cDNA FLJ41931 fi	2.22	2.83	1.50E-03 chr17	74441055	74441644	589
HSAP0406S00014084	NM_198151	LOC253012	LOC253012; hypothetical protein LOC2530	2.22	4.54	2.87E-05 chr7	92493322	92493691	369
HSAP0406S00001198	AK125827	N/A	N/A; N/A; Homo sapiens cDNA FLJ43839 fi	2.22	2.36	4.41E-03 chr1	46478413	46478882	469
HSAP0406S00033538	NM_178477	C20orf179	C20orf179; chromosome 20 open reading fi	2.22	2.86	1.40E-03 chr20	17650891	17651530	639
HSAP0406S00020426	NM_144585	SLC22A12	SLC22A12; urate anion exchanger 1 isoforr	2.22	2.89	1.30E-03 chr11	64114398	64114867	469
HSAP0406S00005698	NM_001959	EEF1B2	EEF1B2; eukaryotic translation elongation f	2.22	2.94	1.15E-03 chr2	206848885	206849424	539
HSAP0406S00001929	BC000907	VANGL1	VANGL1; vang-like 1; Homo sapiens vang-l	2.22	2.06	8.65E-03 chr1	115946937	115947166	229
HSAP0406S00007668	NM_144717	MGC34923	MGC34923; hypothetical protein MGC3492	2.22	4.65	2.24E-05 chr3	138159325	138159604	279

HSAP0406S00023369	AL117514	DKFZp434K0435	DKFZp434K0435; hypothetical protein; Hor	2.22	5.17	6.70E-06 chr12	123921810	123922429	619
HSAP0406S00023371	BC014880	UBC	UBC; UBC protein; Homo sapiens ubiquitin	2.22	5.17	6.70E-06 chr12	123921810	123922429	619
HSAP0406S00023370	M17597	N/A	N/A; N/A; Human poly-ubiquitin mRNA, con	2.22	5.17	6.70E-06 chr12	123921810	123922429	619
HSAP0406S00004333	AK096196	N/A	N/A; N/A; Homo sapiens cDNA FLJ38877 fi	2.22	3.11	7.78E-04 chr2	56324555	56324924	369
HSAP0406S00014309	NM_022777	RABL5	RABL5; RAB, member RAS oncogene fami	2.22	2.34	4.57E-03 chr7	100558936	100559235	299
HSAP0406S00002268	M24355	FLG	FLG; N/A; Human filaggrin gene, partial cds	2.22	4.69	2.05E-05 chr1	149093941	149094570	629
HSAP0406S00017848	AK129565	N/A	N/A; N/A; Homo sapiens cDNA FLJ26054 fi	2.21	2.71	1.94E-03 chr10	1544439	1544908	469
HSAP0406S00001139	AF007157	N/A	N/A; unknown; Homo sapiens clone 23856	2.21	3.11	7.78E-04 chr1	44490554	44491243	689
HSAP0406S00028641	BC005072	MGC13008	MGC13008; MGC13008 protein; Homo sap	2.21	2.09	8.15E-03 chr17	17080498	17080927	429
HSAP0406S00026293	BC019820	MGC29937	MGC29937; hypothetical protein MGC2993	2.21	3.18	6.58E-04 chr15	81471543	81472112	569
HSAP0406S00022056	NM_153026	PRICKLE1	PRICKLE1; prickle-like 1; Homo sapiens pri	2.21	2.18	6.66E-03 chr12	41270246	41270765	519
HSAP0406S00003253	AK074115	FLJ00186	FLJ00186; FLJ00186 protein; Homo sapien	2.21	3.63	2.37E-04 chr1	203144659	203145188	529
HSAP0406S00022208	NM_181708	LOC144233	LOC144233; hypothetical protein LOC1442	2.21	2.94	1.15E-03 chr12	48524083	48524422	339
HSAP0406S00000988	NM_005955	MTF1	MTF1; metal-regulatory transcription factor	2.21	2.60	2.50E-03 chr1	37995055	37995584	529
HSAP0406S00034100	NM_207032	EDN3	EDN3; endothelin 3 isoform 2 preproprotein	2.21	4.98	1.04E-05 chr20	57308154	57308673	519
HSAP0406S00000099	AF305818	N/A	N/A; PRO0764; Homo sapiens PRO0764 r	2.21	2.06	8.65E-03 chr1	1586140	1586389	249
HSAP0406S00003118	BC030568	N/A	N/A; Unknown (protein for MGC:45392); Hc	2.21	4.85	1.41E-05 chr1	198220807	198220956	149
HSAP0406S00011274	BX640709	DKFZp686I15217	DKFZp686I15217; hypothetical protein; Hor	2.21	5.20	6.31E-06 chr6	2933401	2933781	380
HSAP0406S00011273	NM_207495	DKFZp686I15217	DKFZp686I15217; hypothetical protein DKF	2.21	5.20	6.31E-06 chr6	2933401	2933781	380
HSAP0406S00011920	NM_005452	C6orf11	C6orf11; chromosome 6 open reading fram	2.21	3.86	1.37E-04 chr6	33365470	33366269	799
HSAP0406S00004233	AB007896	KIAA0436	KIAA0436; N/A; Homo sapiens KIAA0436 n	2.20	2.73	1.87E-03 chr2	44499954	44500504	550
HSAP0406S00004234	NM_024766	FLJ23451	FLJ23451; hypothetical protein FLJ23451; l	2.20	2.73	1.87E-03 chr2	44499954	44500504	550
HSAP0406S00006977	NM_002218	ITIH4	ITIH4; inter-alpha (globulin) inhibitor H4 (pl	2.20	3.18	6.58E-04 chr3	52840405	52840964	559
HSAP0406S00001268	AK027750	N/A	N/A; N/A; Homo sapiens cDNA FLJ14844 fi	2.20	4.47	3.40E-05 chr1	52232994	52233728	734
HSAP0406S00001266	NM_015913	TLP19	TLP19; endoplasmic reticulum thioredoxin s	2.20	4.47	3.40E-05 chr1	52232994	52233728	734
HSAP0406S00005826	D87073	KIAA0236	KIAA0236; N/A; Homo sapiens mRNA for K	2.20	3.96	1.10E-04 chr2	219350257	219350836	579
HSAP0406S00032325	AK096566	N/A	N/A; N/A; Homo sapiens cDNA FLJ39247 fi	2.20	2.20	6.32E-03 chr19	45884845	45885144	299
HSAP0406S00019149	NM_007329	DMBT1	DMBT1; deleted in malignant brain tumors	2.20	4.27	5.31E-05 chr10	124309541	124310090	549
HSAP0406S00008392	NM_018659	C17	C17; cytokine-like protein C17; Homo sapie	2.20	2.19	6.50E-03 chr4	5139510	5139889	379
HSAP0406S00008483	BC035054	N/A	N/A; Unknown (protein for MGC:41862); Hc	2.20	2.20	6.32E-03 chr4	13162619	13162888	269
HSAP0406S00022594	NM_000075	CDK4	CDK4; cyclin-dependent kinase 4; Homo sa	2.20	2.63	2.32E-03 chr12	56432832	56433241	409
HSAP0406S00012952	BC016788	LRP11	LRP11; LRP11 protein; Homo sapiens low	2.20	2.48	3.28E-03 chr6	150276218	150276447	229
HSAP0406S00006005	NM_031313	ALPPL2	ALPPL2; placental-like alkaline phosphatas	2.20	4.54	2.90E-05 chr2	233096178	233096497	319
HSAP0406S00025609	NM_015497	DKFZP564G2022	DKFZP564G2022; DKFZP564G2022 protei	2.20	3.75	1.80E-04 chr15	40352536	40353263	727
HSAP0406S00015540	NM_015169	RRS1	RRS1; homolog of yeast ribosome biogene	2.20	2.63	2.32E-03 chr8	67502667	67503386	719
HSAP0406S00013421	BC066301	MGC87042	MGC87042; MGC87042 protein; Homo sap	2.20	2.34	4.57E-03 chr7	22313847	22314336	489
HSAP0406S00009790	NM_018356	FLJ11193	FLJ11193; hypothetical protein FLJ11193; l	2.20	4.53	2.96E-05 chr5	31567906	31568565	659
HSAP0406S00026261	NM_181900	STARD5	STARD5; StAR-related lipid transfer protein	2.20	2.06	8.65E-03 chr15	79403990	79404419	429
HSAP0406S00010651	BC051295	IK	IK; IK protein; Homo sapiens IK cytokine, d	2.20	2.98	1.04E-03 chr5	140007385	140007894	509
HSAP0406S00029181	NM_033191	KRTAP9-4	KRTAP9-4; keratin associated protein 9-4; l	2.20	2.91	1.22E-03 chr17	36658995	36659544	549
HSAP0406S00035092	AL050256	N/A	N/A; hypothetical protein; Novel human gen	2.20	2.63	2.32E-03 chr22	30666251	30666920	669

HSAP0406S00020310	AK125351	N/A	N/A; N/A; Homo sapiens cDNA FLJ43361 fi	2.20	2.39	4.07E-03 chr11	62096922	62097511	589
HSAP0406S00031612	NM_005716	RGS19IP1	RGS19IP1; regulator of G-protein signalling	2.20	2.20	6.32E-03 chr19	14468685	14469244	559
HSAP0406S00029112	NM_139280	ORMDL3	ORMDL3; ORM1-like 3; Homo sapiens ORI	2.19	2.65	2.21E-03 chr17	35337451	35338090	639
HSAP0406S00018548	NM_144589	COMTD1	COMTD1; catechol-O-methyltransferase dc	2.19	2.63	2.32E-03 chr10	76666167	76666576	409
HSAP0406S00026860	NM_015421	DKFZP564K2062	DKFZP564K2062; DKFZP564K2062 protei	2.19	2.06	8.65E-03 chr16	8799562	8800101	539
HSAP0406S00021353	NM_003105	SORL1	SORL1; sortilin-related receptor containing	2.19	2.39	4.07E-03 chr11	120826910	120827469	559
HSAP0406S00033453	BC027448	N/A	N/A; Unknown (protein for MGC:34919); Hc	2.19	2.10	8.03E-03 chr20	4046619	4046858	239
HSAP0406S00031715	NM_023937	MRPL34	MRPL34; mitochondrial ribosomal protein L	2.19	2.75	1.78E-03 chr19	17276275	17276596	321
HSAP0406S00031714	NM_024527	ABHD8	ABHD8; abhydrolase domain containing 8;	2.19	2.75	1.78E-03 chr19	17276275	17276596	321
HSAP0406S00007182	BC024239	ARL6	ARL6; ARL6 protein; Homo sapiens ADP-ril	2.19	2.96	1.11E-03 chr3	98965985	98966474	489
HSAP0406S00018275	AY258587	PARG	PARG; poly(ADP-ribose) glycohydrolase; H	2.19	3.27	5.32E-04 chr10	51041428	51042147	719
HSAP0406S00018276	BC051717	N/A	source; N/A; N/A; Homo sapiens cDNA clor	2.19	3.27	5.32E-04 chr10	51041428	51042147	719
HSAP0406S00032079	AK092844	N/A	N/A; N/A; Homo sapiens cDNA FLJ35525 fi	2.19	4.26	5.55E-05 chr19	40927392	40927938	546
HSAP0406S00032081	BC008939	N/A	source; N/A; N/A; Homo sapiens cDNA clor	2.19	4.26	5.55E-05 chr19	40927392	40927938	546
HSAP0406S00002392	U73377	SHC	SHC; p66shc; Human p66shc (SHC) mRN	2.19	4.19	6.47E-05 chr1	151756560	151757129	569
HSAP0406S00006844	U38276	N/A	N/A; semaphorin III family homolog; Humar	2.19	2.96	1.11E-03 chr3	50170586	50171165	579
HSAP0406S00027227	BC061522	KIAA0220	KIAA0220; KIAA0220 protein; Homo sapier	2.19	4.17	6.78E-05 chr16	29405042	29405481	439
HSAP0406S00020881	AB037793	KIAA1372	KIAA1372; KIAA1372 protein; Homo sapier	2.19	2.39	4.07E-03 chr11	77586814	77587373	559
HSAP0406S00029233	BC011837	DNAJC7	DNAJC7; DNAJC7 protein; Homo sapiens I	2.19	2.48	3.28E-03 chr17	37423301	37423670	369
HSAP0406S00001506	BC033030	MSH4	MSH4; mutS homolog 4; Homo sapiens mu	2.19	2.48	3.28E-03 chr1	75973988	75974547	559
HSAP0406S00001718	U76189	EXTL2	EXTL2; EXTL2; Homo sapiens EXTL2 (EX	2.19	2.34	4.57E-03 chr1	101052859	101053208	349
HSAP0406S00001076	NM_032257	ZMYND12	ZMYND12; zinc finger, MYND domain cont	2.19	6.37	4.28E-07 chr1	42590613	42591272	659
HSAP0406S00026113	NM_006465	ARID3B	ARID3B; AT rich interactive domain 3B (BR	2.19	2.20	6.29E-03 chr15	72619917	72620486	569
HSAP0406S00011011	AK124041	N/A	N/A; N/A; Homo sapiens cDNA FLJ42047 fi	2.18	2.54	2.91E-03 chr5	169944036	169944515	479
HSAP0406S00005261	NM_022168	IFIH1	IFIH1; melanoma differentiation associated	2.18	3.06	8.81E-04 chr2	163000767	163001286	519
HSAP0406S00005996	BC007831	PDE6D	PDE6D; phosphodiesterase 6D, cGMP-spe	2.18	4.26	5.51E-05 chr2	232471579	232472208	629
HSAP0406S00025545	NM_002875	RAD51	RAD51; RAD51 homolog protein isoform 1;	2.18	2.74	1.82E-03 chr15	38773931	38774320	389
HSAP0406S00003614	AF193050	PP2672	PP2672; unknown; Homo sapiens PP2672	2.18	2.63	2.32E-03 chr1	231202359	231202748	389
HSAP0406S00029026	AF268387	N/A	N/A; laryngeal carcinoma related protein 1;	2.18	2.34	4.57E-03 chr17	31973929	31974318	389
HSAP0406S00026174	NM_145805	ISL2	ISL2; ISL2 transcription factor, LIM/homeod	2.18	2.20	6.32E-03 chr15	74415412	74415671	259
HSAP0406S00035588	NM_004650	PNPLA4	PNPLA4; GS2 gene; Homo sapiens patatin	2.18	2.91	1.22E-03 chrX	7705300	7705919	619
HSAP0406S00024171	NM_019852	METTL3	METTL3; methyltransferase like 3; Homo s	2.18	2.57	2.68E-03 chr14	21049092	21049401	309
HSAP0406S00036930	NM_004677	XKRY	XKRY; X Kell blood group precursor-relatec	2.18	4.53	2.96E-05 chrY	18321172	18321541	369
HSAP0406S00035061	NM_017903	FLJ20618	FLJ20618; hypothetical protein FLJ20618; I	2.18	3.27	5.32E-04 chr22	29690526	29691155	629
HSAP0406S00020206	NM_017840	MRPL16	MRPL16; mitochondrial ribosomal protein L	2.18	3.15	7.11E-04 chr11	59334852	59335221	369
HSAP0406S00004555	NM_001058	TACR1	TACR1; tachykinin receptor 1 isoform long;	2.18	2.19	6.50E-03 chr2	75338549	75339078	529
HSAP0406S00035287	AF116650	N/A	N/A; PRO0786; Homo sapiens PRO0786 rr	2.18	2.29	5.16E-03 chr22	39546952	39547301	349
HSAP0406S00028410	NM_015343	DULLARD	DULLARD; dullard homolog; Homo sapiens	2.18	2.63	2.32E-03 chr17	7096724	7097033	309
HSAP0406S00015822	AL389988	N/A	N/A; FOG2, frind of GATA2; Homo sapiens	2.18	2.29	5.16E-03 chr8	106884153	106884732	579
HSAP0406S00035277	AK000006	FLJ00006	FLJ00006; FLJ00006 protein; Homo sapien	2.18	5.15	7.03E-06 chr22	39123377	39123666	289
HSAP0406S00014755	AK098041	N/A	N/A; N/A; Homo sapiens cDNA FLJ40722 fi	2.18	4.83	1.46E-05 chr7	142944591	142944920	329

HSAP0406S00017573	AK130389	N/A	N/A; N/A; Homo sapiens cDNA FLJ26879 fi	2.18	2.68	2.08E-03 chr9	132792360	132792839	479
HSAP0406S00036482	NM_173571	LOC255313	LOC255313; hypothetical protein LOC2553	2.18	6.10	7.99E-07 chrX	119820693	119821012	319
HSAP0406S00029182	AJ406949	KRTAP9.5	KRTAP9.5; keratin associated protein 9.5; I	2.17	2.65	2.21E-03 chr17	36664646	36665115	469
HSAP0406S00013455	D00265	N/A	N/A; cytochrome c; Homo sapiens mRNA fr	2.17	3.17	6.74E-04 chr7	24937557	24938105	548
HSAP0406S00006231	BC011805	EDEM1	EDEM1; EDEM1 protein; Homo sapiens EF	2.17	2.49	3.23E-03 chr3	5205314	5205903	589
HSAP0406S00015290	NM_057158	DUSP4	DUSP4; dual specificity phosphatase 4 isof	2.17	2.19	6.50E-03 chr8	29262472	29262911	439
HSAP0406S00016391	NM_006900	IFNA13	IFNA13; interferon, alpha 13; Homo sapien	2.17	2.13	7.45E-03 chr9	21357936	21358155	219
HSAP0406S00018196	AK055129	N/A	N/A; N/A; Homo sapiens cDNA FLJ30567 fi	2.17	2.20	6.32E-03 chr10	44816993	44817502	509
HSAP0406S00000278	AB020718	KIAA0911	KIAA0911; KIAA0911 protein; Homo sapier	2.17	3.37	4.29E-04 chr1	9819321	9819910	589
HSAP0406S00033578	AF451990	N/A	N/A; unknown; Homo sapiens chromosome	2.17	2.49	3.23E-03 chr20	21054056	21054295	239
HSAP0406S00008608	NM_174921	LOC201895	LOC201895; hypothetical protein LOC2018	2.17	3.17	6.70E-04 chr4	39463318	39463667	349
HSAP0406S00008082	NM_000460	THPO	THPO; thrombopoietin isoform 1 precursor;	2.17	2.71	1.94E-03 chr3	185578805	185579374	569
HSAP0406S00000819	AY359011	N/A	N/A; PEF; Homo sapiens clone DNA59837	2.17	3.34	4.56E-04 chr1	31779755	31780344	589
HSAP0406S00015018	NM_018661	DEFB103A	DEFB103A; defensin, beta 103A precursor;	2.17	2.06	8.65E-03 chr8	7775966	7776335	369
HSAP0406S00018554	AF349445	N/A	N/A; maxi-K channel HSL0; Homo sapiens	2.17	3.70	1.98E-04 chr10	78923494	78923943	449
HSAP0406S00004495	NM_145300	LOC200420	LOC200420; LOC200420; Homo sapiens L	2.17	2.42	3.80E-03 chr2	73782951	73783640	689
HSAP0406S00008983	NM_014991	WDFY3	WDFY3; WD repeat and FYVE domain con	2.17	4.80	1.57E-05 chr4	86245054	86245783	729
HSAP0406S00014616	BC030651	LOC340351	LOC340351; hypothetical protein LOC3403	2.17	2.06	8.65E-03 chr7	134128039	134128408	369
HSAP0406S00028821	NM_031934	RAB34	RAB34; RAB39; Homo sapiens RAB34, me	2.17	3.60	2.51E-04 chr17	24069464	24070037	573
HSAP0406S00014180	BX537676	DKFZp686118188	DKFZp686118188; hypothetical protein; Hor	2.17	2.20	6.32E-03 chr7	98922513	98923042	529
HSAP0406S00005220	NM_004288	PSCDBP	PSCDBP; pleckstrin homology, Sec7 and c	2.16	2.91	1.22E-03 chr2	158126433	158126912	479
HSAP0406S00019598	NM_000391	CLN2	CLN2; tripeptidyl-peptidase 1 precursor; Hor	2.16	3.00	9.99E-04 chr11	6597037	6597336	299
HSAP0406S00021847	NM_153823	GSG1	GSG1; germ cell associated 1; Homo sapie	2.16	2.18	6.66E-03 chr12	13139677	13139996	319
HSAP0406S00010785	AB011127	KIAA0555	KIAA0555; KIAA0555 protein; Homo sapier	2.16	2.18	6.66E-03 chr5	147142789	147143308	519
HSAP0406S00030962	BC006431	N/A	N/A; Unknown (protein for IMAGE:3625364	2.16	3.70	1.98E-04 chr19	1391238	1391847	609
HSAP0406S00036051	NM_002625	PFKFB1	PFKFB1; 6-phosphofructo-2-kinase/fructos	2.16	3.17	6.70E-04 chrX	54903453	54904412	959
HSAP0406S00027604	NM_016284	KIAA1007	KIAA1007; KIAA1007 protein isoform a; Ho	2.16	3.55	2.84E-04 chr16	57221562	57222121	559
HSAP0406S00035274	AB029016	KIAA1093	KIAA1093; KIAA1093 protein; Homo sapier	2.16	4.38	4.15E-05 chr22	38897516	38897785	269
HSAP0406S00003171	NM_001276	CHI3L1	CHI3L1; chitinase 3-like 1; Homo sapiens c	2.16	3.78	1.65E-04 chr1	199887355	199888804	1449
HSAP0406S00032778	NM_015953	NOSIP	NOSIP; eNOS interacting protein; Homo sa	2.16	4.82	1.52E-05 chr19	54775302	54775875	573
HSAP0406S00009361	NM_018241	TMEM34	TMEM34; transmembrane protein 34; Hom	2.16	2.33	4.70E-03 chr4	148895811	148896360	549
HSAP0406S00013744	NM_000790	DDC	DDC; dopa decarboxylase (aromatic L-amir	2.16	2.95	1.13E-03 chr7	50403691	50404260	569
HSAP0406S00032231	NM_017827	SARS2	SARS2; seryl-tRNA synthetase 2; Homo sa	2.16	5.62	2.38E-06 chr19	44113217	44113886	669
HSAP0406S00011457	NM_030939	C6orf62	C6orf62; chromosome 6 open reading fra	2.16	2.39	4.07E-03 chr6	24827603	24827982	379
HSAP0406S00012655	NM_032194	BXDC1	BXDC1; brix domain containing 1; Homo sa	2.15	2.06	8.65E-03 chr6	111409184	111409443	259
HSAP0406S00029627	NM_139275	AKAP1	AKAP1; A-kinase anchor protein 1 isoform	2.15	2.91	1.22E-03 chr17	52528416	52529145	729
HSAP0406S00003972	NM_175629	DNMT3A	DNMT3A; DNA cytosine methyltransferase	2.15	2.57	2.68E-03 chr2	25477871	25478370	499
HSAP0406S00024561	NM_002892	ARID4A	ARID4A; retinoblastoma-binding protein 1 is	2.15	2.77	1.70E-03 chr14	57834096	57834630	534
HSAP0406S00010252	NM_001867	COX7C	COX7C; cytochrome c oxidase subunit VIIc	2.15	3.10	7.96E-04 chr5	85949040	85949579	539
HSAP0406S00026091	NM_153356	MGC34741	MGC34741; hypothetical protein MGC3474	2.15	4.38	4.15E-05 chr15	71952271	71953070	799
HSAP0406S00000779	BC011986	TAF12	TAF12; TAF12 protein; Homo sapiens TAF	2.15	2.18	6.66E-03 chr1	28790204	28790683	479



HSAP0406S00006986	NM_006254	PRKCD	PRKCD; protein kinase C, delta; Homo sap	2.15	2.48	3.28E-03 chr3	53169063	53169402	339
HSAP0406S00033975	NM_183047	PRKCBP1	PRKCBP1; protein kinase C binding protein	2.15	3.00	9.99E-04 chr20	45418682	45419041	359
HSAP0406S00019478	BC010426	N/A	N/A; Unknown (protein for MGC:15478); Hc	2.15	4.17	6.78E-05 chr11	3391688	3392157	469
HSAP0406S00006075	AK127068	N/A	N/A; N/A; Homo sapiens cDNA FLJ45125 fi	2.15	2.19	6.50E-03 chr2	236680049	236680608	559
HSAP0406S00008599	NM_025132	WDR19	WDR19; WD repeat domain 19; Homo sapi	2.15	3.00	9.99E-04 chr4	39005930	39006429	499
HSAP0406S00004893	NM_033514	LIMS3	LIMS3; LIM and senescent cell antigen-like	2.15	4.33	4.69E-05 chr2	110664916	110665855	939
HSAP0406S00024908	AK125389	N/A	N/A; N/A; Homo sapiens cDNA FLJ43399 fi	2.15	2.23	5.94E-03 chr14	87719637	87720156	519
HSAP0406S00034816	NM_201565	LOC284861	LOC284861; hypothetical gene supported b	2.15	5.14	7.29E-06 chr22	19860487	19860666	179
HSAP0406S00036163	NM_021963	NAP1L2	NAP1L2; nucleosome assembly protein 1-li	2.15	2.91	1.22E-03 chrX	72217516	72217955	439
HSAP0406S00024461	AF390030	N/A	N/A; unknown; Homo sapiens unknown mR	2.15	2.82	1.50E-03 chr14	49629562	49629761	199
HSAP0406S00019875	NM_019040	ELP4	ELP4; elongation protein 4 homolog; Homo	2.14	3.11	7.77E-04 chr11	31487771	31488295	524
HSAP0406S00027761	NM_000903	NQO1	NQO1; NAD(P)H menadione oxidoreductas	2.14	2.74	1.82E-03 chr16	68318224	68318653	429
HSAP0406S00017181	NM_138424	KIF12	KIF12; kinesin family member 12; Homo sa	2.14	2.57	2.68E-03 chr9	113940982	113941441	459
HSAP0406S00000739	NM_006990	WASF2	WASF2; WAS protein family, member 2; Hc	2.14	2.55	2.82E-03 chr1	27500952	27501311	359
HSAP0406S00014973	AB018254	KIAA0711	KIAA0711; KIAA0711 protein; Homo sapien	2.14	2.74	1.82E-03 chr8	1908381	1908830	449
HSAP0406S00004933	NM_019618	IL1F9	IL1F9; interleukin 1 family, member 9; Hom	2.14	2.63	2.32E-03 chr2	113451667	113452036	369
HSAP0406S00007175	AL713789	DKFZp761H079	DKFZp761H079; hypothetical protein; Hom	2.14	2.82	1.50E-03 chr3	95181061	95181500	439
HSAP0406S00009206	AF177291	N/A	N/A; genethonin 2; Homo sapiens genethor	2.14	3.78	1.65E-04 chr4	120310054	120310613	559
HSAP0406S00016794	NM_013438	UBQLN1	UBQLN1; ubiquilin 1 isoform 1; Homo sapie	2.14	2.60	2.50E-03 chr9	83552678	83553087	409
HSAP0406S00034957	NM_182492	DKFZp434O0213	DKFZp434O0213; hypothetical protein DKF	2.14	2.82	1.50E-03 chr22	24082929	24083218	289
HSAP0406S00028867	NM_014030	GIT1	GIT1; G protein-coupled receptor kinase int	2.14	3.96	1.10E-04 chr17	24941616	24942035	419
HSAP0406S00008155	NM_178335	C3orf6	C3orf6; chromosome 3 open reading frame	2.14	3.09	8.12E-04 chr3	192528766	192529285	519
HSAP0406S00006407	NM_024697	FLJ22419	FLJ22419; hypothetical protein FLJ22419; l	2.14	2.41	3.89E-03 chr3	21767651	21768090	439
HSAP0406S00020407	NM_004451	ESRRA	ESRRA; estrogen-related receptor alpha; H	2.14	3.00	9.99E-04 chr11	63828630	63829169	539
HSAP0406S00021871	NM_006205	PDE6H	PDE6H; phosphodiesterase 6H, cGMP-spe	2.14	3.00	9.99E-04 chr12	15016425	15016874	449
HSAP0406S00004691	X60152	ZNF2.2	ZNF2.2; zinc finger 2.2; Homo sapiens mR	2.14	3.55	2.84E-04 chr2	95252951	95253250	299
HSAP0406S00030474	X95701	GATA-6	GATA-6; GATA-6 DNA binding protein; H.s.	2.14	2.19	6.50E-03 chr18	18002152	18002501	349
HSAP0406S00023355	AB095937	KIAA2017	KIAA2017; KIAA2017 protein; Homo sapien	2.14	2.79	1.63E-03 chr12	122922606	122923025	419
HSAP0406S00020248	NM_015533	DKFZP586B1621	DKFZP586B1621; DKFZP586B1621 protein	2.14	3.00	9.99E-04 chr11	60858344	60858725	381
HSAP0406S00026112	BC007913	BMSC-UbP	BMSC-UbP; BMSC-UbP protein; Homo sap	2.13	2.96	1.11E-03 chr15	72540497	72540886	389
HSAP0406S00007925	NM_018657	MYNN	MYNN; myoneurin; Homo sapiens myoneur	2.13	2.48	3.28E-03 chr3	170973207	170973566	359
HSAP0406S00016468	NM_004925	AQP3	AQP3; aquaporin 3; Homo sapiens aquapo	2.13	2.57	2.68E-03 chr9	33437921	33438390	469
HSAP0406S00024137	NM_006683	FAM12A	FAM12A; human epididymis-specific 3 alph	2.13	3.25	5.69E-04 chr14	20283539	20283898	359
HSAP0406S00018310	NM_015235	CSTF2T	CSTF2T; cleavage stimulation factor, 3' pre	2.13	7.94	1.15E-08 chr10	53128950	53129471	521
HSAP0406S00033374	AK127751	N/A	N/A; N/A; Homo sapiens cDNA FLJ45851 fi	2.13	2.06	8.65E-03 chr20	2542285	2542654	369
HSAP0406S00025430	NM_002420	TRPM1	TRPM1; transient receptor potential cation	2.13	2.06	8.65E-03 chr15	29181677	29182126	449
HSAP0406S00004949	AF346307	F379	F379; hypothetical protein; Homo sapiens h	2.13	3.94	1.14E-04 chr2	114050249	114050568	319
HSAP0406S00029468	NM_148887	MRPL10	MRPL10; mitochondrial ribosomal protein L	2.13	2.65	2.21E-03 chr17	43264153	43264652	499
HSAP0406S00001298	NM_006671	SLC1A7	SLC1A7; solute carrier family 1 (glutamate	2.13	2.82	1.50E-03 chr1	53320881	53321540	659
HSAP0406S00024772	NM_194278	C14orf43	C14orf43; chromosome 14 open reading fra	2.13	2.36	4.39E-03 chr14	73296986	73297475	489
HSAP0406S00007387	NM_153002	GPR156	GPR156; G protein-coupled receptor 156; b	2.13	2.34	4.57E-03 chr3	121445496	121445825	329

HSAP0406S00024866	NM_012111	AHSA1	AHSA1; AHA1, activator of heat shock 90kD	2.13	3.67	2.12E-04	chr14	76993035	76993517	482
HSAP0406S00023366	AF254409	N/A	N/A; scavenger receptor class B type III SR	2.13	2.18	6.66E-03	chr12	123796353	123796732	379
HSAP0406S00014595	AK092345	N/A	N/A; N/A; Homo sapiens cDNA FLJ35026 fi	2.13	2.06	8.65E-03	chr7	131273203	131273722	519
HSAP0406S00036605	BC006550	RBMX	RBMX; RNA binding motif protein, X chrom	2.13	3.56	2.74E-04	chrX	135688336	135688675	339
HSAP0406S00020337	NM_024784	ZBTB3	ZBTB3; zinc finger and BTB domain contain	2.13	3.32	4.79E-04	chr11	62278241	62278570	329
HSAP0406S00023959	AF385926	PCCA	PCCA; propionyl-CoA carboxylase alpha su	2.13	2.34	4.57E-03	chr13	99538718	99539047	329
HSAP0406S00017943	NM_006023	C10orf7	C10orf7; D123 gene product; Homo sapien	2.13	2.20	6.32E-03	chr10	12277251	12277590	339
HSAP0406S00002551	NM_005973	PRCC	PRCC; papillary renal cell carcinoma trans	2.12	2.83	1.50E-03	chr1	153549637	153550536	899
HSAP0406S00034110	NM_173644	FLJ33860	FLJ33860; hypothetical protein FLJ33860; l	2.12	5.17	6.70E-06	chr20	58063115	58063694	579
HSAP0406S00028581	NM_001001684	FLJ45831	FLJ45831; FLJ45831 protein; Homo sapien	2.12	2.82	1.50E-03	chr17	14624906	14625355	449
HSAP0406S00018552	NM_032772	ZNF503	ZNF503; zinc finger protein 503; Homo sap	2.12	2.20	6.32E-03	chr10	76832082	76832411	329
HSAP0406S00032076	NM_014383	TZFP	TZFP; testis zinc finger protein; Homo sapie	2.12	2.91	1.22E-03	chr19	40895390	40895659	269
HSAP0406S00012249	NM_015234	GPR116	GPR116; G-protein coupled receptor 116; l	2.12	2.54	2.91E-03	chr6	46991066	46991625	559
HSAP0406S00023082	NM_002973	ATXN2	ATXN2; ataxin 2; Homo sapiens ataxin 2 (A	2.12	2.06	8.65E-03	chr12	110500651	110501250	599
HSAP0406S00021578	AK126866	N/A	N/A; N/A; Homo sapiens cDNA FLJ44918 fi	2.12	3.37	4.29E-04	chr12	1811082	1811591	509
HSAP0406S00001275	NM_004153	ORC1L	ORC1L; origin recognition complex, subunit	2.12	4.72	1.93E-05	chr1	52582287	52582892	605
HSAP0406S00023207	NM_012240	SIRT4	SIRT4; sirtuin 4; Homo sapiens sirtuin (siler	2.12	6.01	9.78E-07	chr12	119202693	119203082	389
HSAP0406S00005423	AK024008	N/A	N/A; N/A; Homo sapiens cDNA FLJ13946 fi	2.12	4.23	5.87E-05	chr2	178307740	178308319	579
HSAP0406S00005422	AL049329	DKFZp564G196	DKFZp564G196; hypothetical protein; Hom	2.12	4.23	5.87E-05	chr2	178307740	178308319	579
HSAP0406S00027411	NM_024745	SHCBP1	SHCBP1; SHC SH2-domain binding protei	2.12	2.19	6.50E-03	chr16	45213626	45214005	379
HSAP0406S00003645	BC062442	N/A	N/A; Unknown (protein for MGC:72083); Hc	2.12	3.34	4.56E-04	chr1	233093630	233093949	319
HSAP0406S00026039	NM_017691	FLJ20156	FLJ20156; hypothetical protein FLJ20156; l	2.12	5.20	6.26E-06	chr15	68971913	68972357	444
HSAP0406S00011584	NM_024493	ZNF306	ZNF306; zinc finger protein 306; Homo sap	2.12	3.14	7.22E-04	chr6	28425608	28425837	229
HSAP0406S00010324	D50810	N/A	N/A; placental leucine aminopeptidase; Hor	2.12	3.35	4.45E-04	chr5	96296094	96296373	279
HSAP0406S00010322	NM_175920	FLJ39485	FLJ39485; hypothetical protein FLJ39485; l	2.12	3.35	4.45E-04	chr5	96296094	96296373	279
HSAP0406S00026270	AK125436	N/A	N/A; N/A; Homo sapiens cDNA FLJ43447 fi	2.12	2.60	2.50E-03	chr15	80542776	80543315	539
HSAP0406S00016586	NM_005893	CCIN	CCIN; calicin; Homo sapiens calicin (CCIN)	2.11	2.81	1.55E-03	chr9	36158851	36159440	589
HSAP0406S00022788	BC067894	N/A	N/A; Unknown (protein for MGC:87672); Hc	2.11	2.63	2.32E-03	chr12	86679542	86679901	359
HSAP0406S00010354	AB007898	KIAA0438	KIAA0438; N/A; Homo sapiens KIAA0438 n	2.11	3.06	8.81E-04	chr5	108773722	108774141	419
HSAP0406S00001675	NM_144988	MGC19780	MGC19780; hypothetical protein MGC1978	2.11	4.28	5.27E-05	chr1	95250305	95250704	399
HSAP0406S00000510	NM_004930	CAPZB	CAPZB; F-actin capping protein beta subun	2.11	3.80	1.57E-04	chr1	19491392	19492591	1199
HSAP0406S00030479	NM_138375	CABLES1	CABLES1; Cdk5 and Abl enzyme substrate	2.11	2.09	8.15E-03	chr18	18989527	18989946	419
HSAP0406S00015281	NM_172366	FBXO16	FBXO16; F-box only protein 16; Homo sapi	2.11	3.72	1.89E-04	chr8	28403514	28404383	869
HSAP0406S00025084	AF117819	N/A	N/A; bradykinin B1 receptor; Homo sapiens	2.11	2.57	2.68E-03	chr14	95800288	95800807	519
HSAP0406S00007108	NM_007114	TMF1	TMF1; TATA element modulatory factor 1; l	2.11	4.11	7.77E-05	chr3	69184208	69184617	409
HSAP0406S00022604	NM_005726	TSFM	TSFM; Ts translation elongation factor, mit	2.11	2.83	1.50E-03	chr12	56462736	56463025	289
HSAP0406S00034284	NM_002040	GABPA	GABPA; GA binding protein transcription fa	2.11	2.83	1.50E-03	chr21	26029030	26029439	409
HSAP0406S00025449	NM_001036	RYR3	RYR3; ryanodine receptor 3; Homo sapiens	2.11	2.34	4.57E-03	chr15	31389209	31389648	439
HSAP0406S00012054	NM_006708	GLO1	GLO1; glyoxalase I; Homo sapiens glyoxala	2.11	2.48	3.28E-03	chr6	38779776	38780155	379
HSAP0406S00033159	NM_145007	NALP11	NALP11; NACHT, leucine rich repeat and F	2.11	4.14	7.28E-05	chr19	61035107	61035676	569
HSAP0406S00031987	NM_152266	MGC32020	MGC32020; hypothetical protein MGC3202	2.11	3.05	8.94E-04	chr19	38154468	38154799	331

HSAP0406S00015083	NM_182598	FLJ36980	FLJ36980; hypothetical protein FLJ36980; l	2.11	2.50	3.20E-03 chr8	12852536	12852825	289
HSAP0406S00018412	NM_003171	SUPV3L1	SUPV3L1; suppressor of var1, 3-like 1; Hor	2.11	2.65	2.21E-03 chr10	70609409	70609968	559
HSAP0406S00004477	AB023136	KIAA0919	KIAA0919; KIAA0919 protein; Homo sapien	2.11	2.50	3.20E-03 chr2	72965230	72965619	389
HSAP0406S00034673	BC066547	N/A	N/A; Unknown (protein for MGC:71462); Hc	2.11	3.35	4.45E-04 chr22	14539000	14539549	549
HSAP0406S00034981	AL834353	DKFZp547D0916	DKFZp547D0916; hypothetical protein; Hor	2.10	3.32	4.79E-04 chr22	26725369	26726218	849
HSAP0406S00020568	NM_006876	B3GNT6	B3GNT6; beta-1,3-N-acetylglucosaminyltra	2.10	2.06	8.65E-03 chr11	65872292	65872661	369
HSAP0406S00001098	NM_152498	FLJ32000	FLJ32000; hypothetical protein FLJ32000; l	2.10	2.20	6.32E-03 chr1	43305869	43306348	479
HSAP0406S00030804	NM_014177	HSPC154	HSPC154; HSPC154 protein; Homo sapien	2.10	2.39	4.07E-03 chr18	69966910	69967139	229
HSAP0406S00030803	NM_152676	FBXO15	FBXO15; F-box protein 15; Homo sapiens f	2.10	2.39	4.07E-03 chr18	69966910	69967139	229
HSAP0406S00003567	M26228	N/A	N/A; anti-angiotensinogen; Human anti-ang	2.10	2.94	1.15E-03 chr1	227152028	227152587	559
HSAP0406S00035546	BC065556	MGC70863	MGC70863; similar to RPL23AP7 protein; f	2.10	2.20	6.32E-03 chr22	49511314	49511883	569
HSAP0406S00032521	AF447583	N/A	N/A; hepatocellular carcinoma-associated a	2.10	3.18	6.58E-04 chr19	50271676	50271875	199
HSAP0406S00008135	NM_207488	FLJ42393	FLJ42393; FLJ42393 protein; Homo sapien	2.10	2.42	3.80E-03 chr3	189377973	189378522	549
HSAP0406S00003783	NM_024836	FLJ22301	FLJ22301; hypothetical protein FLJ22301; l	2.10	2.20	6.32E-03 chr1	245341151	245341640	489
HSAP0406S00015108	NM_006207	PDGFRL	PDGFRL; platelet-derived growth factor rec	2.10	2.20	6.32E-03 chr8	17478406	17478745	339
HSAP0406S00008457	NM_201402	DUB3	DUB3; deubiquitinating enzyme 3; Homo s	2.10	2.74	1.82E-03 chr4	9002600	9003149	549
HSAP0406S00028822	NM_000984	RPL23A	RPL23A; ribosomal protein L23a; Homo sa	2.10	3.60	2.51E-04 chr17	24069464	24070037	573
HSAP0406S00017249	NM_032552	DAB2IP	DAB2IP; DAB2 interacting protein; Homo s	2.10	2.06	8.65E-03 chr9	121539903	121540342	439
HSAP0406S00029013	NM_001001435	CCL4L	CCL4L; chemokine (C-C motif) ligand 4-like	2.10	3.11	7.78E-04 chr17	31562441	31562760	319
HSAP0406S00021881	NM_018640	LMO3	LMO3; LIM domain only 3; Homo sapiens L	2.10	3.18	6.58E-04 chr12	16651039	16651598	559
HSAP0406S00006985	NM_052859	RFT1	RFT1; putative endoplasmic reticulum multi	2.10	2.25	5.58E-03 chr3	53139514	53139873	359
HSAP0406S00008469	AF073924	N/A	N/A; putative taste receptor HTR2; Homo s	2.10	2.70	2.00E-03 chr4	9432690	9433139	449
HSAP0406S00023302	NM_006018	GPR109B	GPR109B; G protein-coupled receptor 109f	2.10	4.19	6.47E-05 chr12	121726025	121726324	299
HSAP0406S00032752	NM_002152	HRC	HRC; histidine-rich calcium-binding protein	2.10	3.98	1.04E-04 chr19	54350827	54351326	499
HSAP0406S00004085	BC042674	PLB1	PLB1; PLB1 protein; Homo sapiens phosph	2.10	2.94	1.15E-03 chr2	28735647	28735966	319
HSAP0406S00028888	BC012620	GOSR1	GOSR1; GOSR1 protein; Homo sapiens go	2.10	2.23	5.94E-03 chr17	25827997	25828496	499
HSAP0406S00018217	AB011086	KIAA0514	KIAA0514; KIAA0514 protein; Homo sapien	2.10	2.29	5.16E-03 chr10	46417752	46418071	319
HSAP0406S00008062	BC004313	ALG3	ALG3; ALG3 protein; Homo sapiens aspara	2.10	3.66	2.21E-04 chr3	185449717	185450068	351
HSAP0406S00008065	NM_014693	ECE2	ECE2; endothelin converting enzyme 2; Ho	2.10	3.66	2.21E-04 chr3	185449717	185450068	351
HSAP0406S00000188	BC032295	RPL22	RPL22; RPL22 protein; Homo sapiens ribos	2.10	2.63	2.32E-03 chr1	6180634	6181193	559
HSAP0406S00027574	NM_005886	KATNB1	KATNB1; katanin p80 subunit B 1; Homo s	2.09	2.57	2.68E-03 chr16	56327568	56328087	519
HSAP0406S00028902	AF336877	FKSG50	FKSG50; FKSG50; Homo sapiens FKSG50	2.09	3.72	1.91E-04 chr17	26326806	26327115	309
HSAP0406S00027108	AK130752	N/A	N/A; N/A; Homo sapiens cDNA FLJ27242 fi	2.09	4.38	4.15E-05 chr16	23397989	23398498	509
HSAP0406S00001958	NM_006784	WDR3	WDR3; WD repeat-containing protein 3; Ho	2.09	4.67	2.16E-05 chr1	118184253	118184808	555
HSAP0406S00000524	NM_022819	PLA2G2F	PLA2G2F; phospholipase A2, group IIF; Hc	2.09	3.18	6.58E-04 chr1	20211808	20212107	299
HSAP0406S00003755	NM_175911	OR2L13	OR2L13; olfactory receptor, family 2, subfa	2.09	3.76	1.75E-04 chr1	244425794	244426383	589
HSAP0406S00002500	NM_022367	SEMA4A	SEMA4A; semaphorin B; Homo sapiens sei	2.09	2.03	9.37E-03 chr1	152935951	152936440	489
HSAP0406S00013933	BC047594	N/A	N/A; Similar to Williams Beuren syndrome c	2.09	3.76	1.75E-04 chr7	74585194	74585303	109
HSAP0406S00019332	AK125720	N/A	N/A; N/A; Homo sapiens cDNA FLJ43732 fi	2.09	3.55	2.84E-04 chr11	464471	465360	889
HSAP0406S00001395	AK027773	N/A	N/A; N/A; Homo sapiens cDNA FLJ14867 fi	2.09	2.16	6.91E-03 chr1	62961487	62962006	519
HSAP0406S00019516	NM_021801	MMP26	MMP26; matrix metalloproteinase 26 prepr	2.09	6.08	8.25E-07 chr11	4965720	4966179	459

HSAP0406S00005705	AB023188	KIAA0971	KIAA0971; KIAA0971 protein; Homo sapiens	2.09	3.37	4.29E-04 chr2	207455985	207456214	229
HSAP0406S00005704	NM_206892	MDH1B	MDH1B; malate dehydrogenase 1B, NAD (+)	2.09	3.37	4.29E-04 chr2	207455985	207456214	229
HSAP0406S00025340	AK125079	N/A	N/A; N/A; Homo sapiens cDNA FLJ43089 fi	2.09	2.34	4.57E-03 chr14	106154713	106155042	329
HSAP0406S00015213	NM_003840	TNFRSF10D	TNFRSF10D; tumor necrosis factor recepto	2.09	3.11	7.78E-04 chr8	23077846	23078375	529
HSAP0406S00001226	AY358631	N/A	N/A; EPSW3060; Homo sapiens clone DNA	2.09	5.36	4.36E-06 chr1	47244807	47245196	389
HSAP0406S00027995	AB046829	KIAA1609	KIAA1609; KIAA1609 protein; Homo sapiens	2.09	3.30	5.07E-04 chr16	83096465	83097034	569
HSAP0406S00001221	NM_000779	CYP4B1	CYP4B1; cytochrome P450, family 4, subfa	2.09	3.00	9.99E-04 chr1	46976432	46976781	349
HSAP0406S00013339	AK000313	N/A	N/A; N/A; Homo sapiens cDNA FLJ20306 fi	2.09	3.72	1.91E-04 chr7	6295952	6296211	259
HSAP0406S00005035	NM_032740	MGC5391	MGC5391; hypothetical protein MGC5391;	2.09	4.39	4.07E-05 chr2	128174397	128174826	429
HSAP0406S00007708	NM_022131	CLSTN2	CLSTN2; calyculin 2; Homo sapiens caly	2.09	2.79	1.63E-03 chr3	141135605	141136144	539
HSAP0406S00010983	AB032953	KIAA1127	KIAA1127; KIAA1127 protein; Homo sapiens	2.09	2.33	4.67E-03 chr5	167477342	167477861	519
HSAP0406S00019486	NM_014489	FRAG1	FRAG1; FGF receptor activating protein 1; l	2.09	2.96	1.11E-03 chr11	3785510	3785949	439
HSAP0406S00003779	BC011962	N/A	N/A; Similar to hypothetical protein, MGC:7	2.09	2.09	8.15E-03 chr1	245317173	245317492	319
HSAP0406S00003135	NM_004433	ELF3	ELF3; E74-like factor 3 (ets domain transcri	2.08	4.36	4.33E-05 chr1	198708380	198708859	479
HSAP0406S00015957	U60666	TSLRP	TSLRP; testis specific leucine rich repeat p	2.08	2.19	6.50E-03 chr8	133757039	133757528	489
HSAP0406S00026280	AK125436	N/A	N/A; N/A; Homo sapiens cDNA FLJ43447 fi	2.08	2.25	5.58E-03 chr15	80929362	80929741	379
HSAP0406S00002269	M60502	FLG	FLG; profilaggrin; Human profilaggrin mRNA	2.08	4.03	9.40E-05 chr1	149094101	149094570	469
HSAP0406S00008955	NM_194282	DKFZp686L1814	DKFZp686L1814; hypothetical protein DKF	2.08	2.34	4.57E-03 chr4	84289382	84289801	419
HSAP0406S00014577	AK124421	N/A	N/A; N/A; Homo sapiens cDNA FLJ42430 fi	2.08	2.82	1.50E-03 chr7	129617386	129617675	289
HSAP0406S00013597	AF026692	N/A	N/A; frpHE; Homo sapiens frizzled related p	2.08	2.60	2.50E-03 chr7	37729909	37730468	559
HSAP0406S00009355	NM_004575	POU4F2	POU4F2; POU domain, class 4, transcrip	2.08	2.20	6.32E-03 chr4	147916433	147916852	419
HSAP0406S00002170	BC007824	FLJ12528	FLJ12528; FLJ12528 protein; Homo sapiens	2.08	2.11	7.82E-03 chr1	147272665	147273124	459
HSAP0406S00002274	NM_019060	C1orf42	C1orf42; chromosome 1 open reading fram	2.08	2.33	4.67E-03 chr1	149299861	149300220	359
HSAP0406S00013876	AJ224442	N/A	N/A; methyltransferase; Homo sapiens mR	2.08	2.15	7.14E-03 chr7	72542130	72542649	519
HSAP0406S00013875	NM_032317	WBSCR18	WBSCR18; Williams Beuren syndrome chr	2.08	2.15	7.14E-03 chr7	72542130	72542649	519
HSAP0406S00007915	NM_007217	PDCD10	PDCD10; programmed cell death 10; Homo	2.08	3.55	2.84E-04 chr3	168936207	168936526	319
HSAP0406S00009302	NM_002413	MGST2	MGST2; microsomal glutathione S-transfer	2.08	4.62	2.39E-05 chr4	140944417	140944726	309
HSAP0406S00033911	NM_181502	SPINLW1	SPINLW1; serine protease inhibitor-like, wit	2.08	2.92	1.19E-03 chr20	43609101	43609630	529
HSAP0406S00036858	NM_004043	ASMT	ASMT; acetylserotonin O-methyltransferase	2.08	2.20	6.32E-03 chrY	1756955	1757314	359
HSAP0406S00013997	NM_198467	RSBN1L	RSBN1L; round spermatid basic protein 1-li	2.08	2.41	3.89E-03 chr7	76969721	76970170	449
HSAP0406S00000279	NM_020248	CTNBP1	CTNBP1; beta-catenin-interacting protein	2.08	4.41	3.91E-05 chr1	9905029	9905598	569
HSAP0406S00010488	NM_003687	PDLIM4	PDLIM4; PDZ and LIM domain 4; Homo sapi	2.07	2.06	8.65E-03 chr5	131620296	131620635	339
HSAP0406S00016273	BC020899	N/A	N/A; Unknown (protein for IMAGE:4715570	2.07	2.95	1.13E-03 chr9	4849102	4849611	509
HSAP0406S00032915	M60626	N/A	N/A; N-formylpeptide receptor fMLP-R98; H	2.07	4.27	5.41E-05 chr19	56946873	56947492	619
HSAP0406S00019636	NM_176821	NALP10	NALP10; NACHT, LRR and PYD containing	2.07	2.41	3.89E-03 chr11	7942375	7942844	469
HSAP0406S00001100	NM_144626	MGC17299	MGC17299; hypothetical protein MGC1729	2.07	2.79	1.63E-03 chr1	43404620	43404819	199
HSAP0406S00036485	NM_173571	LOC255313	LOC255313; hypothetical protein LOC2553	2.07	4.96	1.09E-05 chrX	119835274	119835593	319
HSAP0406S00025017	BC047071	BTBD7	BTBD7; BTB (POZ) domain containing 7, is	2.07	2.39	4.07E-03 chr14	92869468	92869811	343
HSAP0406S00018544	AY040091	N/A	N/A; branching-enzyme interacting dual-spe	2.07	3.30	5.07E-04 chr10	76539881	76540140	259
HSAP0406S00025269	NM_004689	MTA1	MTA1; metastasis associated protein; Homo	2.07	2.20	6.32E-03 chr14	104956111	104956420	309
HSAP0406S00019048	D42045	KIAA0086	KIAA0086; N/A; Homo sapiens KIAA0086 n	2.07	2.48	3.28E-03 chr10	115603660	115604169	509

HSAP0406S00016711	BC030587	PIP5K1B	PIP5K1B; PIP5K1B protein; Homo sapiens	2.07	2.11	7.70E-03 chr9	68585934	68586413	479
HSAP0406S00022457	U38320	N/A	N/A; matrix metalloproteinase RASI-1; Hom	2.07	3.30	5.07E-04 chr12	54520545	54520794	249
HSAP0406S00007437	NM_018987	SEMA5B	SEMA5B; semaphorin 5B; Homo sapiens s	2.07	2.63	2.32E-03 chr3	124230673	124231172	499
HSAP0406S00009104	NM_181886	UBE2D3	UBE2D3; ubiquitin-conjugating enzyme E2I	2.07	3.86	1.39E-04 chr4	104106569	104107058	489
HSAP0406S00018895	NM_176792	MRPL43	MRPL43; mitochondrial ribosomal protein L	2.07	2.06	8.65E-03 chr10	102737683	102738012	329
HSAP0406S00029843	AK127041	N/A	N/A; N/A; Homo sapiens cDNA FLJ45097 fi	2.07	3.00	9.99E-04 chr17	64050294	64050803	509
HSAP0406S00021020	NM_003772	JRKL	JRKL; jerky homolog-like; Homo sapiens je	2.07	2.94	1.15E-03 chr11	95762172	95762422	250
HSAP0406S00004083	BC065041	LOC388937	LOC388937; LOC388937 protein; Homo sa	2.07	2.06	8.65E-03 chr2	28682738	28683107	369
HSAP0406S00018239	NM_152428	FRMPD2	FRMPD2; FERM and PDZ domain containi	2.07	3.00	9.99E-04 chr10	49130347	49130776	429
HSAP0406S00019206	NM_003474	ADAM12	ADAM12; a disintegrin and metalloprotease	2.07	2.20	6.32E-03 chr10	128067745	128068274	529
HSAP0406S00010954	NM_145049	MGC10067	MGC10067; hypothetical protein MGC1006	2.07	2.90	1.25E-03 chr5	158622516	158622945	429
HSAP0406S00024902	BX248253	N/A	N/A; N/A; human full-length cDNA clone CS	2.07	2.20	6.32E-03 chr14	85066496	85066875	379
HSAP0406S00002053	NM_006472	TXNIP	TXNIP; thioredoxin interacting protein; Hom	2.07	2.29	5.16E-03 chr1	142926826	142927265	439
HSAP0406S00022326	L32537	N/A	N/A; N/A; Homo sapiens (clone XP6G6B) r	2.06	3.25	5.69E-04 chr12	51633123	51633562	439
HSAP0406S00030160	AF318359	pp7201	pp7201; unknown; Homo sapiens pp7201 n	2.06	3.17	6.70E-04 chr17	75942477	75942976	499
HSAP0406S00035069	NM_016733	LIMK2	LIMK2; LIM domain kinase 2 isoform 2b; Hc	2.06	2.06	8.65E-03 chr22	29967652	29967931	279
HSAP0406S00031876	AK074159	FLJ00232	FLJ00232; FLJ00232 protein; Homo sapien	2.06	2.33	4.67E-03 chr19	19628812	19629231	419
HSAP0406S00025354	AL512723	DKFZp547L112	DKFZp547L112; hypothetical protein; Hom	2.06	2.60	2.50E-03 chr15	19264076	19264465	389
HSAP0406S00017415	NM_005564	LCN2	LCN2; lipocalin 2 (oncogene 24p3); Homo s	2.06	2.09	8.15E-03 chr9	127990772	127991281	509
HSAP0406S00000886	AK125034	N/A	N/A; N/A; Homo sapiens cDNA FLJ43044 fi	2.06	2.03	9.37E-03 chr1	33297285	33297544	259
HSAP0406S00020328	AY358935	N/A	N/A; DSLR655; Homo sapiens clone DNA6	2.06	2.06	8.69E-03 chr11	62195212	62195683	471
HSAP0406S00012869	NM_031922	REPS1	REPS1; RALBP1 associated Eps domain c	2.06	3.39	4.03E-04 chr6	139351212	139351811	599
HSAP0406S00006680	NM_144716	MGC23918	MGC23918; hypothetical protein MGC2391	2.06	2.03	9.37E-03 chr3	46993994	46994433	439
HSAP0406S00029386	BC006472	FLJ22955	FLJ22955; hypothetical protein FLJ22955; l	2.06	2.53	2.94E-03 chr17	40494236	40494742	506
HSAP0406S00002803	NM_013330	NME7	NME7; nucleoside-diphosphate kinase 7 isc	2.06	4.93	1.18E-05 chr1	166068865	166069444	579
HSAP0406S00001975	NM_005518	HMGCS2	HMGCS2; 3-hydroxy-3-methylglutaryl-Coer	2.06	3.34	4.56E-04 chr1	120023391	120023940	549
HSAP0406S00004712	AK025910	N/A	N/A; N/A; Homo sapiens cDNA: FLJ22257 l	2.06	2.91	1.22E-03 chr2	96341601	96342140	539
HSAP0406S00015729	AF409114	N/A	N/A; p53-induced protein SIP18; Homo sap	2.06	2.20	6.32E-03 chr8	96031618	96032037	419
HSAP0406S00036679	NM_002362	MAGEA4	MAGEA4; melanoma antigen, family A, 4; H	2.05	2.63	2.32E-03 chrX	150754158	150754747	589
HSAP0406S00026684	NM_000548	TSC2	TSC2; tuberous sclerosis 2 isoform 1; Hom	2.05	4.72	1.93E-05 chr16	2038399	2038858	459
HSAP0406S00026683	NM_002528	NTHL1	NTHL1; nth endonuclease III-like 1; Homo s	2.05	4.72	1.93E-05 chr16	2038399	2038858	459
HSAP0406S00026419	NM_006122	MAN2A2	MAN2A2; mannosidase, alpha, class 2A, m	2.05	2.29	5.16E-03 chr15	89248084	89248553	469
HSAP0406S00025715	NM_138356	LOC90525	LOC90525; hypothetical protein BC007586	2.05	4.06	8.74E-05 chr15	43267847	43268356	509
HSAP0406S00013472	NM_003930	SCAP2	SCAP2; src family associated phosphoprote	2.05	4.80	1.57E-05 chr7	26677592	26678181	589
HSAP0406S00034354	NM_144659	TCP10L	TCP10L; T-complex 10A-2; Homo sapiens	2.05	2.06	8.65E-03 chr21	32880468	32880987	519
HSAP0406S00011961	NM_024294	C6orf106	C6orf106; chromosome 6 open reading fram	2.05	2.18	6.66E-03 chr6	34772834	34773313	479
HSAP0406S00010023	NM_173667	FLJ37543	FLJ37543; hypothetical protein FLJ37543; l	2.05	3.55	2.84E-04 chr5	60969233	60969582	349
HSAP0406S00009081	BX537609	DKFZp686I04113	DKFZp686I04113; hypothetical protein; Hor	2.05	3.11	7.78E-04 chr4	101225402	101225781	379
HSAP0406S00002084	NM_004284	CHD1L	CHD1L; chromodomain helicase DNA bindi	2.05	3.11	7.78E-04 chr1	143938530	143938769	239
HSAP0406S00026241	AF161558	N/A	N/A; HSPC073; Homo sapiens HSPC073 r	2.05	2.19	6.50E-03 chr15	78068492	78068801	309
HSAP0406S00026276	BC007811	FLJ22795	FLJ22795; FLJ22795 protein; Homo sapien	2.05	3.30	5.07E-04 chr15	80741297	80741386	89

HSAP0406S00032468	BC002889	ZNF224	ZNF224; ZNF224 protein; Homo sapiens z	2.05	3.63	2.34E-04 chr19	49290167	49290574	407
HSAP0406S00032469	NM_013398	ZNF224	ZNF224; zinc finger protein 224; Homo sap	2.05	3.63	2.34E-04 chr19	49290167	49290574	407
HSAP0406S00017818	AB058779	KIAA1876	KIAA1876; KIAA1876 protein; Homo sapien	2.05	2.25	5.58E-03 chr9	137913503	137914002	499
HSAP0406S00016490	AK074812	N/A	N/A; N/A; Homo sapiens cDNA FLJ90331 fi	2.05	3.47	3.38E-04 chr9	34168363	34168942	579
HSAP0406S00000020	AK096928	N/A	N/A; N/A; Homo sapiens cDNA FLJ39609 fi	2.05	2.10	7.91E-03 chr1	896730	897209	479
HSAP0406S00034371	NM_000629	IFNAR1	IFNAR1; interferon-alpha receptor 1 precu	2.05	2.48	3.28E-03 chr21	33618794	33619283	489
HSAP0406S00020810	BC040541	XRR1	XRR1; XRR1 protein; Homo sapiens X-r	2.05	2.05	8.82E-03 chr11	74337821	74338350	529
HSAP0406S00020812	NM_014752	KIAA0102	KIAA0102; KIAA0102 gene product; Homo	2.05	2.05	8.82E-03 chr11	74337821	74338350	529
HSAP0406S00014551	NM_203419	LOC286016	LOC286016; hypothetical protein LOC2860	2.05	2.18	6.66E-03 chr7	128288331	128288770	439
HSAP0406S00024858	NM_021257	NG2	NG2; neuroglobin; Homo sapiens neuroglo	2.05	2.39	4.07E-03 chr14	76807459	76807828	369
HSAP0406S00012196	AK055407	N/A	N/A; N/A; Homo sapiens cDNA FLJ30845 fi	2.05	3.86	1.37E-04 chr6	43720705	43721004	299
HSAP0406S00022535	NM_148897	SDR-O	SDR-O; orphan short-chain dehydrogenase	2.05	2.39	4.07E-03 chr12	55614243	55614692	449
HSAP0406S00015835	NM_001568	EIF3S6	EIF3S6; murine mammary tumor integrati	2.05	5.83	1.47E-06 chr8	109330039	109330568	529
HSAP0406S00011808	K00830	N/A	N/A; N/A; human complement fourth comp	2.05	2.06	8.65E-03 chr6	32073610	32073939	329
HSAP0406S00008632	NM_018126	TMEM33	TMEM33; transmembrane protein 33; Hom	2.05	2.48	3.28E-03 chr4	41777837	41778086	249
HSAP0406S00011818	NM_000500	CYP21A2	CYP21A2; cytochrome P450, family 21, su	2.04	2.39	4.07E-03 chr6	32113701	32114030	329
HSAP0406S00030550	AB037805	KIAA1384	KIAA1384; KIAA1384 protein; Homo sapien	2.04	2.06	8.65E-03 chr18	28607273	28607752	479
HSAP0406S00024223	NM_012244	SLC7A8	SLC7A8; solute carrier family 7 (cationic	2.04	2.23	5.84E-03 chr14	22722500	22722979	479
HSAP0406S00012138	NM_006245	PPP2R5D	PPP2R5D; delta isoform of regulatory sub	2.04	2.95	1.13E-03 chr6	43059498	43059757	259
HSAP0406S00008489	NM_148894	FAM44A	FAM44A; family with sequence similarity 4	2.04	2.29	5.16E-03 chr4	13305888	13306197	309
HSAP0406S00001902	NM_022836	DCLRE1B	DCLRE1B; DNA cross-link repair 1B (PSO	2.04	3.98	1.04E-04 chr1	114158820	114160384	1564
HSAP0406S00033904	BX537612	DKFZp686O1650	DKFZp686O1650; hypothetical protein; Hor	2.04	2.23	5.84E-03 chr20	43477757	43478136	379
HSAP0406S00022219	NM_020039	ACCN2	ACCN2; amiloride-sensitive cation channel	2.04	3.11	7.78E-04 chr12	48736484	48736733	249
HSAP0406S00029303	BC034248	N/A	source; N/A; N/A; Homo sapiens neighbor	2.04	2.60	2.50E-03 chr17	38530087	38530617	530
HSAP0406S00017952	NM_145314	C10orf49	C10orf49; chromosome 10 open reading fra	2.04	3.06	8.81E-04 chr10	13316725	13316934	209
HSAP0406S00029529	BX641166	DKFZp686B17238	DKFZp686B17238; hypothetical protein; Hc	2.04	2.19	6.50E-03 chr17	45140658	45141167	509
HSAP0406S00026116	NM_025083	FLJ21128	FLJ21128; hypothetical protein FLJ21128; l	2.04	2.03	9.37E-03 chr15	72775224	72775563	339
HSAP0406S00021165	AY364431	N/A	N/A; placenta expressed transcript 1; Hom	2.04	3.27	5.35E-04 chr11	111636493	111636862	369
HSAP0406S00009867	NM_199234	GDNF	GDNF; glial cell derived neurotrophic factor	2.04	2.50	3.20E-03 chr5	37871326	37871955	629
HSAP0406S00033308	NM_198055	ZNF42	ZNF42; zinc finger protein 42 isoform 2; Ho	2.04	2.76	1.73E-03 chr19	63776815	63777394	579
HSAP0406S00022142	NM_001005203	OR8S1	OR8S1; olfactory receptor, family 8, subfa	2.04	2.23	5.84E-03 chr12	47205592	47205861	269
HSAP0406S00033432	NM_015417	C20orf28	C20orf28; chromosome 20 open reading fra	2.04	2.10	7.91E-03 chr20	3709902	3710221	319
HSAP0406S00019795	NM_153347	FLJ90119	FLJ90119; hypothetical protein FLJ90119; l	2.04	2.79	1.63E-03 chr11	18675717	18676276	559
HSAP0406S00021620	BC016330	RAD51AP1	RAD51AP1; RAD51AP1 protein; Homo sap	2.04	4.51	3.10E-05 chr12	4518233	4518668	435
HSAP0406S00029769	NM_022644	CSH2	CSH2; chorionic somatomammotropin hor	2.03	3.30	5.07E-04 chr17	59304652	59305091	439
HSAP0406S00006797	AK057355	N/A	N/A; N/A; Homo sapiens cDNA FLJ32793 fi	2.03	3.69	2.07E-04 chr3	49211171	49211420	249
HSAP0406S00001597	NM_001514	GTF2B	GTF2B; general transcription factor IIB; Ho	2.03	2.23	5.94E-03 chr1	89069166	89069945	779
HSAP0406S00029149	NM_000421	KRT10	KRT10; keratin 10; Homo sapiens keratin 1	2.03	2.95	1.13E-03 chr17	36232174	36232433	259
HSAP0406S00012143	NM_033112	C6orf153	C6orf153; hypothetical protein LOC88745; l	2.03	3.96	1.10E-04 chr6	43096073	43096582	509
HSAP0406S00024040	AK129701	N/A	N/A; N/A; Homo sapiens cDNA FLJ26190 fi	2.03	2.13	7.45E-03 chr13	112437863	112438222	359
HSAP0406S00020454	AK092761	N/A	N/A; N/A; Homo sapiens cDNA FLJ35442 fi	2.03	2.06	8.65E-03 chr11	64514603	64514842	239

HSAP0406S00011311	AY358807	N/A	N/A; QIQN5815; Homo sapiens clone DNA	2.03	2.95	1.13E-03 chr6	4988759	4988938	179
HSAP0406S00001422	AB007942	KIAA0473	KIAA0473; KIAA0473 protein; Homo sapiens	2.03	4.82	1.50E-05 chr1	65442048	65442537	489
HSAP0406S00034445	S77574	TLS-ERG	TLS-ERG; N/A; TLS...ERG {translocation} [	2.03	2.50	3.20E-03 chr21	38677517	38677786	269
HSAP0406S00032766	AK074136	FLJ00209	FLJ00209; FLJ00209 protein; Homo sapiens	2.03	2.82	1.50E-03 chr19	54648100	54648234	134
HSAP0406S00032764	NM_017916	FLJ20643	FLJ20643; hypothetical protein FLJ20643; l	2.03	2.82	1.50E-03 chr19	54648100	54648234	134
HSAP0406S00020473	AK074148	FLJ00221	FLJ00221; FLJ00221 protein; Homo sapiens	2.03	2.34	4.57E-03 chr11	64659105	64659574	469
HSAP0406S00014357	NM_002803	PSMC2	PSMC2; proteasome 26S ATPase subunit ;	2.03	6.61	2.46E-07 chr7	102581850	102582239	389
HSAP0406S00001935	NM_152367	FLJ38716	FLJ38716; hypothetical protein FLJ38716; l	2.03	2.41	3.89E-03 chr1	116365968	116366497	529
HSAP0406S00020730	NM_145309	LOC220074	LOC220074; Hypothetical 55.1 kDa protein	2.03	2.06	8.65E-03 chr11	71468363	71468892	529
HSAP0406S00011973	NM_152753	SCUBE3	SCUBE3; signal peptide, CUB domain, EGI	2.03	2.34	4.57E-03 chr6	35288878	35289167	289
HSAP0406S00002821	NM_018186	FLJ10706	FLJ10706; hypothetical protein FLJ10706; l	2.03	5.81	1.55E-06 chr1	166495508	166496137	629
HSAP0406S00002820	NM_033418	MGC9084	MGC9084; hypothetical protein MGC9084; l	2.03	5.81	1.55E-06 chr1	166495508	166496137	629
HSAP0406S00003218	AY358192	N/A	N/A; GLSH6409; Homo sapiens clone DNA	2.03	2.76	1.73E-03 chr1	201967739	201968438	699
HSAP0406S00028462	NM_133491	SAT2	SAT2; polyamine N-acetyltransferase; Hom	2.03	6.03	9.31E-07 chr17	7471830	7472279	449
HSAP0406S00030174	NM_020761	raptor	raptor; raptor; Homo sapiens raptor (raptor)	2.03	3.09	8.12E-04 chr17	76133483	76133822	339
HSAP0406S00013712	NM_022748	TENS1	TENS1; tensin-like SH2 domain containing	2.03	2.10	7.99E-03 chr7	47224523	47225062	539
HSAP0406S00025288	AK090464	FLJ00385	FLJ00385; FLJ00385 protein; Homo sapiens	2.02	2.79	1.63E-03 chr14	105311406	105311695	289
HSAP0406S00009672	NM_006598	SLC12A7	SLC12A7; solute carrier family 12 (potassiu	2.02	2.79	1.63E-03 chr5	1166100	1166389	289
HSAP0406S00020376	Z25427	N/A	N/A; protein-serine/threonine kinase; H.sap	2.02	3.06	8.81E-04 chr11	63423453	63424142	689
HSAP0406S00001751	BC043522	N/A	N/A; Similar to hypothetical protein DKFZp4	2.02	2.50	3.20E-03 chr1	108630292	108630681	389
HSAP0406S00002182	AK127688	N/A	N/A; N/A; Homo sapiens cDNA FLJ45786 fi	2.02	2.60	2.50E-03 chr1	147348115	147348554	439
HSAP0406S00014597	AK095606	N/A	N/A; N/A; Homo sapiens cDNA FLJ38287 fi	2.02	2.19	6.50E-03 chr7	131302561	131302920	359
HSAP0406S00032037	U31214	nmc	nmc; N/A; Human (nmc) mRNA, partial cds	2.02	2.63	2.32E-03 chr19	40306505	40306794	289
HSAP0406S00023912	NM_014305	TGDS	TGDS; TDP-glucose 4,6-dehydratase; Hom	2.02	2.20	6.32E-03 chr13	94046605	94046784	179
HSAP0406S00010692	D88795	ME2	ME2; cadherin; Homo sapiens mRNA for ca	2.02	3.45	3.56E-04 chr5	140559451	140559860	409
HSAP0406S00010691	NM_018931	PCDHB11	PCDHB11; protocadherin beta 11 precursor	2.02	3.45	3.56E-04 chr5	140559451	140559860	409
HSAP0406S00007299	NM_153268	PLCXD2	PLCXD2; phosphatidylinositol-specific phos	2.02	2.39	4.07E-03 chr3	112875023	112875472	449
HSAP0406S00021709	NM_016546	C1RL	C1RL; complement component 1, r subcom	2.02	3.06	8.81E-04 chr12	7152960	7153379	419
HSAP0406S00034842	AF267874	N/A	N/A; amyloid lambda 6 light chain variable r	2.02	3.36	4.37E-04 chr22	20874540	20875004	464
HSAP0406S00034841	BC023973	N/A	N/A; Unknown (protein for MGC:34845); Hc	2.02	3.36	4.37E-04 chr22	20874540	20875004	464
HSAP0406S00010652	BC068485	FLJ20195	FLJ20195; hypothetical protein FLJ20195; l	2.02	4.00	9.96E-05 chr5	140024082	140024531	449
HSAP0406S00005017	AF370412	N/A	N/A; PP12901; Homo sapiens PP12901 mF	2.02	2.63	2.32E-03 chr2	127928854	127929083	229
HSAP0406S00021924	NM_144667	FLJ32894	FLJ32894; hypothetical protein FLJ32894; l	2.02	3.72	1.89E-04 chr12	24628170	24628669	499
HSAP0406S00034084	AB075854	KIAA1974	KIAA1974; KIAA1974 protein; Homo sapiens	2.01	2.50	3.20E-03 chr20	56699180	56699579	399
HSAP0406S00002717	NM_004001	FCGR2B	FCGR2B; Fc fragment of IgG, low affinity III	2.01	2.06	8.65E-03 chr1	158364611	158364800	189
HSAP0406S00030820	NM_005786	SDCCAG33	SDCCAG33; serologically defined colon cai	2.01	2.41	3.89E-03 chr18	71124361	71125050	689
HSAP0406S00005136	NM_006895	HNMT	HNMT; histamine N-methyltransferase; Hor	2.01	2.17	6.71E-03 chr2	138554910	138555309	399
HSAP0406S00002696	NM_000309	PPOX	PPOX; protoporphyrinogen oxidase; Homo	2.01	2.79	1.63E-03 chr1	157947967	157948396	429
HSAP0406S00021668	U80760	CAGH1	CAGH1; CAGH1 alternate open reading fra	2.01	2.20	6.32E-03 chr12	6303299	6303648	349
HSAP0406S00008250	AL137527	DKFZp434P1018	DKFZp434P1018; hypothetical protein; Hor	2.01	2.39	4.07E-03 chr3	199084489	199084898	409
HSAP0406S00002236	AK023875	N/A	N/A; N/A; Homo sapiens cDNA FLJ13813 fi	2.01	2.06	8.65E-03 chr1	148159165	148159364	199

HSAP0406S00026104	AY358871	N/A	N/A; ISLR; Homo sapiens clone DNA32288	2.01	2.48	3.28E-03 chr15	72252585	72253134	549
HSAP0406S00036483	NM_173571	LOC255313	LOC255313; hypothetical protein LOC2553	2.01	5.28	5.21E-06 chrX	119825554	119825873	319
HSAP0406S00027216	AK095677	N/A	N/A; N/A; Homo sapiens cDNA FLJ38358 fi	2.01	2.71	1.94E-03 chr16	28892920	28893439	519
HSAP0406S00002126	AK092418	N/A	N/A; N/A; Homo sapiens cDNA FLJ35099 fi	2.01	6.56	2.75E-07 chr1	146578351	146578690	339
HSAP0406S00030566	AF373036	ZNFPHEX133	ZNFPHEX133; ZNFPHEX133 protein; Hom	2.01	2.94	1.14E-03 chr18	31124161	31124743	582
HSAP0406S00016657	AK091508	N/A	N/A; N/A; Homo sapiens cDNA FLJ34189 fi	2.01	2.94	1.15E-03 chr9	44381751	44381890	139
HSAP0406S00019228	NM_006541	TXNL2	TXNL2; thioredoxin-like; Homo sapiens thio	2.01	2.48	3.28E-03 chr10	131823412	131823701	289
HSAP0406S00028273	NM_080706	TRPV1	TRPV1; transient receptor potential cation c	2.01	3.42	3.81E-04 chr17	3443611	3443880	269
HSAP0406S00006517	X77533	N/A	N/A; activin type II receptor; H.sapiens mRN	2.01	2.60	2.50E-03 chr3	38469514	38469973	459
HSAP0406S00026287	NM_004644	AP3B2	AP3B2; adaptor-related protein complex 3,	2.01	2.06	8.65E-03 chr15	81176620	81176949	329
HSAP0406S00011335	AK130229	N/A	N/A; N/A; Homo sapiens cDNA FLJ26719 fi	2.01	2.75	1.78E-03 chr6	7528663	7529222	559
HSAP0406S00011461	AB002384	KIAA0386	KIAA0386; N/A; Homo sapiens mRNA for K	2.01	3.11	7.78E-04 chr6	25020115	25020374	259
HSAP0406S00030490	NM_198129	LAMA3	LAMA3; laminin alpha 3 subunit isoform 1; l	2.01	2.29	5.16E-03 chr18	19522770	19523319	549
HSAP0406S00009091	NM_000944	PPP3CA	PPP3CA; protein phosphatase 3 (formerly 2	2.01	2.19	6.50E-03 chr4	102626562	102626811	249
HSAP0406S00034351	NM_058187	C21orf63	C21orf63; chromosome 21 open reading fra	2.00	2.17	6.71E-03 chr21	32705673	32706122	449
HSAP0406S00004093	NM_199280	LOC165186	LOC165186; similar to RIKEN cDNA 46324	2.00	2.03	9.31E-03 chr2	29167448	29167977	529
HSAP0406S00027412	NM_018206	VPS35	VPS35; vacuolar protein sorting 35; Homo s	2.00	3.11	7.78E-04 chr16	45281474	45281783	309
HSAP0406S00033197	NM_003160	AURKC	AURKC; aurora kinase C; Homo sapiens at	2.00	4.41	3.93E-05 chr19	62433602	62433981	379
HSAP0406S00025632	AK022939	N/A	N/A; N/A; Homo sapiens cDNA FLJ12877 fi	2.00	2.06	8.65E-03 chr15	40627458	40627797	339
HSAP0406S00016639	AL080148	DKFZp434B204	DKFZp434B204; hypothetical protein; Hom	2.00	4.33	4.69E-05 chr9	41420383	41420872	489

**Supplementary Table 1** Full list of AR ChIP-chip promoter targets enriched in androgen versus control treated LNCaP cells.



Accession	GeneSymbol	CytoBand	AR	AR	Reference
			Signal	Wilcoxon	
NM_002630	PGC	6p21.3-p21.1	4.46	4.80	Balbin and Lopez-Otin 1996 <sup>1</sup>
NM_020548	DBI	2q12-q21	4.30	4.47	Swinnen, et al 1996 <sup>2</sup>
NM_001002231	KLK2	19q13.41	3.36	4.63	Young, et al 1992 <sup>3</sup>
BC007034	MT2A	16q13	3.31	3.42	Cyr, et al 2001 <sup>4</sup>
NM_002228	JUN	1p32-p31	2.96	5.69	Brum, et al 2003 <sup>5</sup>
AF113140	KLK4	19q13.41	2.74	4.54	Nelson, et al 1999 <sup>6</sup>
AF335478	KLK3	19q13.41	2.51	2.81	Murtha, et al 1993 <sup>7</sup>
NM_003068	SNAI2	8q11	2.50	3.37	Chen, et al 2006 <sup>8</sup>
NM_021127	PMAIP1	18q21.32	2.45	2.79	Lin, et al 2006 <sup>9</sup>
BC006526	SCNN1A	12p13	2.45	3.40	Quinkler, et al 2005 <sup>10</sup>
NM_004595	SMS	Xp22.1	2.42	2.95	Meehan, et al 2004 <sup>11</sup>
NM_005181	CA3	8q13-q22	2.26	2.82	Shiels, et al 1983 <sup>12</sup>
NM_002625	PFKFB1	Xp11.21	2.16	3.17	Marker, et al 1998 <sup>13</sup>
NM_000790	DDC	7p11	2.16	2.95	Melvin and Hamill 1986 <sup>14</sup>
L32537	KRT18	12q13	2.06	3.25	Clegg, et al 2002 <sup>15</sup>

**Table 2** Known AR responsive genes identified by AR ChIP-chip analysis.

- 1 Balbin, M. & Lopez-Otin, C. Hormonal regulation of the human pepsinogen C gene in breast cancer cells. Identification of a cis-acting element mediating its induction by androgens, glucocorticoids, and progesterone. *J Biol Chem* 271, 15175-81 (1996).
- 2 Swinnen, J.V. et al. A human gene encoding diazepam-binding inhibitor/acy1-CoA-binding protein: transcription and hormonal regulation in the androgen-sensitive human prostatic adenocarcinoma cell line LNCaP. *DNA Cell Biol* 15, 197-208 (1996).
- 3 Young, C.Y., Andrews, P.E., Montgomery, B.T. & Tindall, D.J. Tissue-specific and hormonal regulation of human prostate-specific glandular kallikrein. *Biochemistry* 31, 818-24 (1992).
- 4 Cyr, D.G., Dufresne, J., Pillet, S., Alfieri, T.J. & Hermo, L. Expression and regulation of metallothioneins in the rat epididymis. *J Androl* 22, 124-35 (2001).
- 5 Brum, I.S. et al. Androgen-dependent expression of c-jun and c-fos in human non-transformed epithelial prostatic cells: association with cell proliferation. *Horm Res* 60, 209-14 (2003).
- 6 Nelson, P.S. et al. Molecular cloning and characterization of prostase, an androgen-regulated serine protease with prostate-restricted expression. *Proc Natl Acad Sci U S A* 96, 3114-9 (1999).
- 7 Murtha, P., Tindall, D.J. & Young, C.Y. Androgen induction of a human prostate-specific kallikrein, hKLK2: characterization of an androgen response element in the 5' promoter region of the gene. *Biochemistry* 32, 6459-64 (1993).
- 8 Chen, M., Chen, L.M. & Chai, K.X. Androgen regulation of prostasin gene expression is mediated by sterol-regulatory element-binding proteins and SLUG. *Prostate* 66, 911-20 (2006).
- 9 Lin, Y. et al. Androgen and its receptor promote Bax-mediated apoptosis. *Mol Cell Biol* 26, 1908-16 (2006).
- 10 Quinkler, M. et al. Androgen receptor-mediated regulation of the alpha-subunit of the epithelial sodium channel in human kidney. *Hypertension* 46, 787-98 (2005).
- 11 Meehan, K.L. & Sadar, M.D. Quantitative profiling of LNCaP prostate cancer cells using isotope-coded affinity tags and mass spectrometry. *Proteomics* 4, 1116-34 (2004).
- 12 Shiels, A. et al. Androgen-linked control of rat liver carbonic anhydrase III. *Biosci Rep* 3, 475-8 (1983).
- 13 Marker, A.J. et al. Glucocorticoid regulation of hepatic 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase gene expression. *J Biol Chem* 264, 7000-4 (1989).
- 14 Melvin, J.E. & Hamill, R.W. Gonadal hormone regulation of neurotransmitter synthesizing enzymes in the developing hypogastric ganglion. *Brain Res* 383, 38-46 (1986).
- 15 Clegg, N. et al. Digital expression profiles of the prostate androgen-response program. *J Steroid Biochem Mol Biol* 80, 13-23 (2002).

NimblegenID	GeneAccession	GeneName	CytoBand	in Velasco	in Nelson	in DePrimo	in Segawa	in Xu	in Waghray	any	AR ChIP-chip	Signal
HSAP0406S00012099	NM_002630	PGC	6p21.3-p21.1	yes	#N/A	#N/A	yes	#N/A	#N/A	2		4.46
HSAP0406S00004981	NM_020548	DBI	2q12-q21	yes	yes	#N/A	yes	yes	#N/A	4		4.30
HSAP0406S00011958	BC021299	SPDEF	6p21.3	#N/A	#N/A	#N/A	#N/A	yes	#N/A	1		4.28
HSAP0406S00034855	NM_206953	PRAME	22q11.22	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1		4.25
HSAP0406S00028813	NM_006923	SDF2	17q11.2	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1		4.05
HSAP0406S00012878	NM_006079	CITED2	6q23.3	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1		3.86
HSAP0406S00004827	AY358263	IL1R1	2q12	yes	#N/A	yes	#N/A	#N/A	#N/A	2		3.79
HSAP0406S00004077	NM_022128	BRE	2p23.2	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1		3.54
HSAP0406S00017536	D14689	NUP214	9q34.1	#N/A	#N/A	#N/A	yes	#N/A	#N/A	1		3.51
HSAP0406S00000848	NM_003757	EIF3S2	1p34.1	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1		3.51
HSAP0406S000014880	BC068598	KCNH2	7q35-q36	yes	#N/A	#N/A	yes	yes	#N/A	3		3.48
HSAP0406S000022317	NM_002272	KRT8	12q13	yes	yes	yes	yes	#N/A	#N/A	4		3.43
HSAP0406S00032869	NM_001002231	KLK2	19q13.41	yes	yes	#N/A	yes	#N/A	#N/A	3		3.36
HSAP0406S00033966	NM_172113	EYA2	20q13.1	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1		3.34
HSAP0406S00001366	NM_002228	JUN	1p32-p31	yes	#N/A	#N/A	#N/A	#N/A	yes	2		3.27
HSAP0406S00011662	NM_005275	GNL1	6p21.3	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1		3.23
HSAP0406S00009027	AB020721	FAM13A1	4q22.1	#N/A	#N/A	yes	#N/A	#N/A	#N/A	1		3.22
HSAP0406S00021642	NM_001065	TNFRSF1A	12p13.2	#N/A	#N/A	#N/A	yes	#N/A	#N/A	1		3.18
HSAP0406S00008111	BC048198	AHSG	3q27	#N/A	#N/A	yes	#N/A	#N/A	#N/A	1		3.17
HSAP0406S00021097	NM_000051	ATM	11q22-q23	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1		3.14
HSAP0406S00021096	NM_002519	NPAT	11q22-q23	yes	#N/A	#N/A	yes	#N/A	#N/A	2		3.14
HSAP0406S00029701	NM_006380	APPBP2	17q21-q23	#N/A	yes	yes	yes	#N/A	#N/A	3		3.07
HSAP0406S00009340	NM_014885	ANAPC10	4q31	#N/A	#N/A	yes	#N/A	#N/A	#N/A	1		2.99
HSAP0406S00009341	NM_002940	ABCE1	4q31	#N/A	#N/A	#N/A	#N/A	#N/A	yes	1		2.99
HSAP0406S00008897	BC032518	CCNG2	4q21.1	yes	#N/A	yes	#N/A	#N/A	#N/A	2		2.99
HSAP0406S00027517	BC007034	MT2A	16q13	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1		2.98
HSAP0406S00032872	AF113140	KLK4	19q13.41	#N/A	yes	#N/A	#N/A	#N/A	#N/A	1		2.98
HSAP0406S00009876	NM_002310	LIFR	5p13-p12	yes	yes	yes	yes	#N/A	#N/A	4		2.97
HSAP0406S00024707	NM_014734	KIAA0247	14q24.1	yes	#N/A	yes	#N/A	#N/A	#N/A	2		2.97
HSAP0406S00012137	BC048331	PEX6	6p21.1	#N/A	#N/A	#N/A	yes	#N/A	#N/A	1		2.96
HSAP0406S00016545	AF521047	TESK1	9p13	#N/A	#N/A	#N/A	yes	#N/A	#N/A	1		2.88
HSAP0406S00006371	NM_000060	BTD	3p25	#N/A	#N/A	yes	yes	#N/A	#N/A	2		2.87
HSAP0406S00010143	D87453	MRPS27	5q13.2	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1		2.76
HSAP0406S00026156	NM_002833	PTPN9	15q24.2	#N/A	#N/A	yes	#N/A	#N/A	#N/A	1		2.76
HSAP0406S00030374	BC051651	PTPRM	18p11.2	#N/A	#N/A	yes	yes	#N/A	#N/A	2		2.73
HSAP0406S00020536	NM_003860	BANF1	11q13.1	#N/A	#N/A	#N/A	#N/A	yes	#N/A	1		2.72
HSAP0406S00029293	NM_005533	IFI35	17q21	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1		2.70
HSAP0406S00022400	NM_031157	HNRPA1	12q13.1	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1		2.70
HSAP0406S00022470	NM_000456	SUOX	12q13.2	#N/A	#N/A	#N/A	yes	#N/A	#N/A	1		2.65
HSAP0406S00002139	NM_175065	HIST2H2BE	1q21-q23	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1		2.65

HSAP0406S00036367	NM_002764	PRPS1	Xq21-q27	#N/A	#N/A	#N/A	yes	#N/A	#N/A	1	2.62
HSAP0406S00011667	AK126124	HLA-E	6p21.3	yes	#N/A	#N/A	yes	#N/A	#N/A	2	2.61
HSAP0406S00021048	NM_002427	MMP13	11q22.3	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.57
HSAP0406S00016248	X72889	SMARCA2	9p22.3	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.54
HSAP0406S00028328	NM_003562	SLC25A11	17p13.3	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.52
HSAP0406S00024096	BC066547	LOC440157	14q11.1	#N/A	#N/A	yes	#N/A	#N/A	#N/A	1	2.52
HSAP0406S00032867	AF335478	KLK3	19q13.41	yes	yes	yes	yes	#N/A	#N/A	4	2.51
HSAP0406S00009004	BC036001	DHRS8	4q22.1	#N/A	#N/A	yes	#N/A	#N/A	#N/A	1	2.50
HSAP0406S00015447	NM_003068	SNAI2	8q11	#N/A	#N/A	yes	#N/A	#N/A	#N/A	1	2.50
HSAP0406S00021644	BC006526	SCNN1A	12p13	#N/A	yes	#N/A	#N/A	#N/A	#N/A	1	2.45
HSAP0406S00030727	NM_021127	PMAIP1	18q21.32	#N/A	#N/A	yes	#N/A	#N/A	#N/A	1	2.45
HSAP0406S00010235	NM_032280	ZCCHC9	5q14.1	#N/A	#N/A	yes	#N/A	#N/A	#N/A	1	2.44
HSAP0406S00002726	NM_007348	ATF6	1q22-q23	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.39
HSAP0406S00015618	AK024633	ZFHX4	8q21.11	#N/A	#N/A	yes	#N/A	#N/A	#N/A	1	2.38
HSAP0406S00029119	NM_003250	THRA	17q11.2	yes	#N/A	#N/A	yes	#N/A	#N/A	2	2.38
HSAP0406S00002998	AF361250	C1orf21	1q25	#N/A	#N/A	yes	#N/A	#N/A	#N/A	1	2.37
HSAP0406S00002945	NM_002826	QSCN6	1q24	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.36
HSAP0406S00003179	BX537444	ATP2B4	1q32.1	#N/A	#N/A	yes	#N/A	#N/A	#N/A	1	2.35
HSAP0406S00008056	NM_004068	AP2M1	3q28	#N/A	#N/A	#N/A	yes	#N/A	#N/A	1	2.33
HSAP0406S00024136	NM_194430	RNASE4	14q11.1	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.32
HSAP0406S00011441	NM_003107	SOX4	6p22.3	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.31
HSAP0406S00008170	NM_005524	HES1	3q28-q29	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.30
HSAP0406S00030396	NM_003574	VAPA	18p11.22	#N/A	yes	#N/A	#N/A	#N/A	#N/A	1	2.30
HSAP0406S00001299	NM_000098	CPT2	1p32	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.29
HSAP0406S00023085	NM_025247	ACAD10	12q24.12	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.27
HSAP0406S00022602	NM_206914	FAM119B	12q14.1	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.27
HSAP0406S00031370	AK125160	PIN1	19p13	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.26
HSAP0406S00035582	NM_020742	NLGN4X	Xp22.32-p22.31	#N/A	#N/A	yes	#N/A	#N/A	#N/A	1	2.24
HSAP0406S00031282	AB002559	STXBP2	19p13.3-p13.2	#N/A	#N/A	#N/A	yes	#N/A	#N/A	1	2.24
HSAP0406S00029258	AK075415	COASY	17q12-q21	#N/A	#N/A	#N/A	yes	#N/A	#N/A	1	2.23
HSAP0406S00023371	BC014880	UBC	12q24.3	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.22
HSAP0406S00010309	NM_002064	GLRX	5q14	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.20
HSAP0406S00006005	NM_031313	ALPPL2	2q37	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.20
HSAP0406S00035588	NM_004650	PNPLA4	Xp22.3	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.18
HSAP0406S00013456	NM_018947	CYCS	7p15.2	#N/A	#N/A	yes	#N/A	#N/A	#N/A	1	2.17
HSAP0406S00015301	AK057533	RBPMS	8p12-p11	#N/A	#N/A	#N/A	yes	#N/A	#N/A	1	2.17
HSAP0406S00013744	NM_000790	DDC	7p11	yes	yes	#N/A	yes	#N/A	#N/A	3	2.16
HSAP0406S00020407	NM_004451	ESRRA	11q13	#N/A	#N/A	#N/A	yes	#N/A	#N/A	1	2.14
HSAP0406S00031353	NM_032497	ZNF559	19p13.2	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.13
HSAP0406S00036605	BC006550	RBMX	Xq26.3	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.13
HSAP0406S00035703	NM_004595	SMS	Xp22.1	#N/A	yes	#N/A	#N/A	#N/A	#N/A	1	2.12

HSAP0406S00021677	S79267	CD4	12pter-p12	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.11
HSAP0406S00007916	NM_005025	SERPINI1	3q26.1	#N/A	#N/A	yes	yes	#N/A	#N/A	2	2.08
HSAP0406S00003135	NM_004433	ELF3	1q32.2	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.08
HSAP0406S00009104	NM_181886	UBE2D3	4q24	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.07
HSAP0406S00022326	L32537	KRT18	12q13	#N/A	#N/A	yes	yes	#N/A	#N/A	2	2.06
HSAP0406S00002803	NM_013330	NME7	1q24	#N/A	#N/A	#N/A	#N/A	#N/A	yes	1	2.06
HSAP0406S00012138	NM_006245	PPP2R5D	6p21.1	#N/A	#N/A	#N/A	yes	#N/A	yes	2	2.04
HSAP0406S00025288	AK090464	IGHG1	14q32.33	#N/A	#N/A	#N/A	#N/A	#N/A	yes	1	2.02
HSAP0406S00032037	U31214	FXD3	19q13.11-q13.12	#N/A	#N/A	yes	#N/A	#N/A	#N/A	1	2.02
HSAP0406S00035679	BC036091	CDKL5	Xp22	yes	#N/A	#N/A	#N/A	#N/A	#N/A	1	2.01
HSAP0406S00016986	NM_000380	XPA	9q22.3	yes	#N/A	#N/A	yes	#N/A	#N/A	2	2.00

**Supplementary Table 3.** List of androgen regulated genes (Velasco et al., 2004) associated with AR ChIP-on-chip enriched promoters.

Nimblegen_ID	Accession	GeneSymbol	AR ChIP-chip	Nr-prostate-exp
HSAP0406S00007395	NM_000187	HGD	2.59	2.727189488
HSAP0406S00013487	NM_000522	HOXA13	3.98	2.95162105
HSAP0406S00029226	NM_001096	ACLY	2.75	1.695108125
HSAP0406S00004981	NM_020548	DBI	4.3	1.941444
HSAP0406S00014307	NM_014343	CLDN15	2.52	1.93246825
HSAP0406S00035703	NM_004595	SMS	2.12	2.089566375
HSAP0406S00010656	NM_012208	HARSL	2.23	1.940020625
HSAP0406S00032921	BC057776	ZNF613	2.16	1.922124375
HSAP0406S00032037	U31214	FXVD3	2.02	2.595378125
HSAP0406S00011335	AK130229	DSP	2.01	1.641842875
HSAP0406S00029092	NM_032192	PPP1R1B	4	1.58012855
HSAP0406S00035119	NM_203377	MB	3.81	1.566730875
HSAP0406S00032869	NM_001002231	KLK2	3.36	5.75786195
HSAP0406S00033966	NM_172113	EYA2	3.34	2.323770375
HSAP0406S00008897	BC032518	CCNG2	2.99	1.9717642
HSAP0406S00010529	BC041799	CDKL3	2.98	1.952749875
HSAP0406S00014306	AK124705	CLDN15	2.52	1.93246825

**Table 4(i)** Genes expressed in normal prostate

Nimblegen_ID	Accession	GeneSymbol	AR ChIP-chip	log2(PrCa/BN)
HSAP0406S00033160	NM_134444	NALP4	8.56	1.133085748
HSAP0406S00014384	NM_152750	FLJ23834	5.45	2.242959044
HSAP0406S00033243	NM_024762	ZNF552	4.71	1.377256795
HSAP0406S00020607	NM_001619	ADRBK1	3.81	1.195833356
HSAP0406S00019697	NM_198516	CSNK2A1	3.59	0.823700754
HSAP0406S00007628	NM_003571	BFSP2	3.57	0.89303883
HSAP0406S00017536	D14689	NUP214	3.51	0.749252662
HSAP0406S00031222	NM_032306	ALKBH7	3.44	1.065720812
HSAP0406S00032145	NM_198539	ZNF568	3.43	1.085311034
HSAP0406S00017786	NM_001004353	LOC441476	3.39	1.926100938
HSAP0406S00003106	NM_178275	DKFZp434B1231	3.38	0.969010673
HSAP0406S00022975	NM_152772	TCP11L2	3.36	1.755117321
HSAP0406S00001366	NM_002228	JUN	3.27	0.803698396
HSAP0406S00017004	NM_005458	GABBR2	3.25	1.681828876
HSAP0406S00002849	NM_015569	DNM3	3.21	1.19801404
HSAP0406S00020333	NM_012202	GNG3	3.19	0.640639389
HSAP0406S00024319	NM_001911	CTSG	3.17	0.628979111
HSAP0406S00000866	NM_005610	RBBP4	3.14	0.630799361
HSAP0406S00011584	NM_024493	ZNF306	3.07	0.788159939
HSAP0406S00017255	NM_014368	LHX6	3.03	1.250917143
HSAP0406S00001450	NM_001559	IL12RB2	3.02	0.902366502
HSAP0406S00032872	AF113140	KLK4	2.98	0.865571813
HSAP0406S00009876	NM_002310	LIFR	2.97	1.056911086
HSAP0406S00002622	NM_002036	DARC	2.95	0.850943985
HSAP0406S00028615	NM_152350	C17orf45	2.94	0.677571082
HSAP0406S00034976	NM_001886	CRYBA4	2.9	0.82885797
HSAP0406S00019304	NM_053280	ODF3	2.83	0.909882656
HSAP0406S00001691	NM_017734	PALMD	2.81	0.981076126
HSAP0406S00001587	NM_012262	HS2ST1	2.8	1.438620793
HSAP0406S00018770	NM_013314	BLNK	2.79	1.142616053
HSAP0406S00031227	NM_003685	KHSRP	2.79	0.661840524
HSAP0406S00021124	NM_207430	FLJ46266	2.78	0.631836931
HSAP0406S00026006	NM_017882	CLN6	2.75	1.531266567
HSAP0406S00018805	NM_015179	KIAA0690	2.71	0.692015878
HSAP0406S00022399	NM_012117	CBX5	2.7	0.676272082
HSAP0406S00017956	NM_152751	C10orf30	2.68	2.529388325
HSAP0406S00001832	NM_002232	KCNA3	2.67	0.605453864
HSAP0406S00014470	NM_000492	CFTR	2.66	1.102384839
HSAP0406S00009748	NM_001369	DNAH5	2.64	3.259784817

HSAP0406S00019639	NM_003320	TUB	2.64	0.909590212
HSAP0406S00008031	NM_130446	KLHL6	2.63	0.765607898
HSAP0406S00011518	NM_003543	HIST1H4H	2.63	0.947254927
HSAP0406S00018961	NM_178858	SFXN2	2.63	0.633723785
HSAP0406S00032949	NM_032423	ZNF528	2.63	0.617946214
HSAP0406S00001478	NM_007071	HHLA3	2.59	1.991142409
HSAP0406S00021048	NM_002427	MMP13	2.57	1.59729153
HSAP0406S00001356	NM_001004303	C1orf168	2.56	1.393356739
HSAP0406S00008833	NM_000584	IL8	2.55	1.523574751
HSAP0406S00035969	NM_203407	LOC340602	2.54	0.680163908
HSAP0406S00028329	NM_015528	RNF167	2.52	0.677035681
HSAP0406S00020850	NM_138706	B3GNT6	2.51	0.685516417
HSAP0406S00033652	NM_002110	HCK	2.51	0.628220206
HSAP0406S00014517	NM_014390	SND1	2.5	0.756629518
HSAP0406S00012086	NM_024807	TREML2	2.49	1.05507076
HSAP0406S00022959	BC013935	Data not found	2.49	1.507549897
HSAP0406S00020787	AK092089	DKFZP586P0123	2.49	0.678532343
HSAP0406S00016710	NM_138333	PIP5K1B	2.49	1.129720063
HSAP0406S00004570	NM_178839	LRRTM1	2.48	0.979228837
HSAP0406S00024532	NM_014750	DLG7	2.48	2.155316739
HSAP0406S00011591	NM_052923	ZNF452	2.47	1.83335721
HSAP0406S00036062	AJ318895	RP11-167P23.2	2.46	0.853526947
HSAP0406S00034816	NM_201565	LOC284861	2.42	1.316902095
HSAP0406S00005830	NM_015690	STK36	2.42	0.885090936
HSAP0406S00003359	NM_012424	RPS6KC1	2.41	1.268324438
HSAP0406S00000576	NM_014870	ZBTB40	2.41	1.190897471
HSAP0406S00013177	NM_017802	HEATR2	2.41	1.566603195
HSAP0406S00018553	NM_032024	C10orf11	2.41	1.264655875
HSAP0406S00023786	NM_006021	Data not found	2.4	0.917897414
HSAP0406S00024740	NM_012074	DPF3	2.4	0.772402488
HSAP0406S00028918	NM_018428	UTP6	2.39	0.762835828
HSAP0406S00000510	NM_004930	CAPZB	2.39	0.988290252
HSAP0406S00001901	NM_006594	AP4B1	2.38	1.213120156
HSAP0406S00029173	AJ406945	KRTAP4-15	2.38	1.236756152
HSAP0406S00016119	NM_032789	PARP10	2.37	0.712063158
HSAP0406S00008262	NM_153691	Data not found	2.36	2.246930117
HSAP0406S00018509	NM_021245	MYOZ1	2.35	1.30172146
HSAP0406S00028484	NM_053051	CNTROB	2.33	0.823801426
HSAP0406S00019516	NM_021801	MMP26	2.33	1.557836831
HSAP0406S00010432	NM_002317	LOX	2.33	1.529846776
HSAP0406S00032827	NM_001001687	FLJ26850	2.31	2.772546249
HSAP0406S00035309	AB051442	TEF	2.31	0.707457208
HSAP0406S00011441	NM_003107	SOX4	2.31	1.51794348
HSAP0406S00010023	NM_173667	FLJ37543	2.3	0.64962388
HSAP0406S00008170	NM_005524	HES1	2.3	0.862796226
HSAP0406S00002286	AF005081	C1orf68	2.27	0.879322685
HSAP0406S00023085	NM_025247	ACAD10	2.27	0.859791316
HSAP0406S00022600	NM_005371	METTL1	2.27	0.651033133
HSAP0406S00007227	NM_032787	GPR128	2.25	1.191597398
HSAP0406S00016582	NM_019897	OR2S2	2.25	0.617934137
HSAP0406S00029215	NM_000805	GAST	2.24	0.869422087
HSAP0406S00010165	NM_014886	TINP1	2.24	0.621371728
HSAP0406S00031202	NM_000149	FUT3	2.23	1.386579896
HSAP0406S00021016	NM_032427	MAML2	2.23	0.701393295
HSAP0406S00026145	BC006530	LOC554175	2.22	0.898519293
HSAP0406S00028447	NM_000937	POLR2A	2.22	2.683762412
HSAP0406S00004337	NM_022894	PAPOLG	2.2	0.983407467
HSAP0406S00029181	NM_033191	KRTAP9-4	2.2	1.034753997
HSAP0406S00006977	NM_002218	ITIH4	2.2	0.797546306
HSAP0406S00003614	AF193050		2.18	0.714221343
HSAP0406S00036051	NM_002625	PFKFB1	2.16	0.626146418
HSAP0406S00000900	NM_052896	CSMD2	2.16	0.730710195
HSAP0406S00015651	NM_005181	CA3	2.15	1.493235794

HSAP0406S00032076	NM_014383	ZBTB32	2.12	0.635149724
HSAP0406S00001275	NM_004153	ORC1L	2.12	0.861952476
HSAP0406S00023207	NM_012240	SIRT4	2.12	0.648597331
HSAP0406S00032752	NM_002152	HRC	2.1	1.304030707
HSAP0406S00003755	NM_175911	OR2L2	2.09	0.782809658
HSAP0406S00021018	NM_024725	CCDC82	2.07	1.325216823
HSAP0406S00032915	M60626	Data not found	2.07	1.64262314
HSAP0406S00015865	NM_002514	NOV	2.05	1.881915742
HSAP0406S00018725	NM_022451	NOC3L	2.05	1.687316278
HSAP0406S00013472	NM_003930	SCAP2	2.05	0.672160956
HSAP0406S00025715	NM_138356	SHF	2.05	0.798810561
HSAP0406S00002084	NM_004284	CHD1L	2.05	1.955044375
HSAP0406S00021166	BC020894	C11orf34	2.04	1.248581276
HSAP0406S00008599	NM_025132	WDR19	2.04	0.760619498
HSAP0406S00029769	NM_022644	CSH1	2.03	1.110401992
HSAP0406S00002821	NM_018186	C1orf112	2.03	0.777531203
HSAP0406S00010691	NM_018931	PCDHB11	2.02	0.876347249
HSAP0406S00021709	NM_016546	C1RL	2.02	1.574213247
HSAP0406S00033764	NM_016436	PHF20	2.01	0.600824504
HSAP0406S00002696	NM_000309	PPOX	2.01	1.256849764

**Table 4(ii)** Genes up in PrCa compared to benign prostate epithelia

Nimblegen_ID	Accession	GeneSymbol	AR ChIP-chip	log2(Met/PrCa)
HSAP0406S00019351	NM_021920	SCT	4.85	1.175954296
HSAP0406S00033243	NM_024762	ZNF552	4.71	0.70066941
HSAP0406S00019029	NM_020918	GPAM	4.58	1.274069686
HSAP0406S00014690	NM_173677	FLJ40852	4.01	0.714724376
HSAP0406S00006891	NM_014703	VPRBP	3.74	0.924530967
HSAP0406S00019436	AF116709	Data not found	3.67	4.102124511
HSAP0406S00001167	NM_012222	MUTYH	3.56	0.730224174
HSAP0406S00000858	NM_018045	BSDC1	3.55	0.733401494
HSAP0406S00022771	NM_004664	LIN7A	3.5	1.011566925
HSAP0406S00016503	NM_147202	C9orf25	3.48	1.159188178
HSAP0406S00036487	NM_173571	RP6-166C19.1	3.45	0.95659954
HSAP0406S00035148	NM_002854	PVALB	3.45	3.90744345
HSAP0406S00031222	NM_032306	ALKBH7	3.44	1.108271206
HSAP0406S00015486	NM_138969	RDHE2	3.35	4.202283978
HSAP0406S00015145	NM_001495	GFRA2	3.34	1.374624149
HSAP0406S00033737	NM_006690	MMP24	3.3	1.591160657
HSAP0406S00018345	NM_145307	PLEKHK1	3.26	1.499349871
HSAP0406S00027396	NM_015369	Data not found	3.22	1.473559947
HSAP0406S00016306	NM_203403	C9orf150	3.2	0.671540976
HSAP0406S00027402	NM_015369	Data not found	3.15	1.473559947
HSAP0406S00029156	NM_033185	KRTAP3-3	3.13	0.942938145
HSAP0406S00000871	NM_003680	YARS	3.08	1.155372863
HSAP0406S00027401	NM_015369	Data not found	3.07	1.473559947
HSAP0406S00002127	NM_003548	HIST2H2BE	3.07	0.908505556
HSAP0406S00007422	NM_019069	WDR5B	3.03	0.632151372
HSAP0406S00020481	NM_145719	TIGD3	2.95	2.530081332
HSAP0406S00008403	NM_144720	JAKMIP1	2.93	0.663891296
HSAP0406S00007987	NM_006218	PIK3CA	2.93	0.632537304
HSAP0406S00026038	NM_020147	THAP10	2.9	0.64865961
HSAP0406S00007891	NM_005496	SMC4	2.89	2.957562935
HSAP0406S00022645	NM_002076	GNS	2.89	1.45767153
HSAP0406S00029871	NM_001050	SSTR2	2.86	1.316883912
HSAP0406S00009789	NM_013235	RNASEN	2.82	0.675064323
HSAP0406S00007382	NM_003889	NR112	2.81	0.759521185
HSAP0406S00036482	NM_173571	RP6-166C19.1	2.8	0.95659954
HSAP0406S00031127	NM_024333	FSD1	2.8	3.487864605
HSAP0406S00005848	NM_152389	CCDC108	2.73	0.793549123

HSAP0406S00007691	NM_024491	CEP70	2.71	0.61175676
HSAP0406S00008031	NM_130446	KLHL6	2.63	0.621098637
HSAP0406S00011518	NM_003543	HIST1H4H	2.63	0.863355661
HSAP0406S00033702	NM_016732	RALY	2.59	0.740219702
HSAP0406S00000769	NM_031459	SESN2	2.57	1.039434782
HSAP0406S00015841	NM_032869	NUDCD1	2.55	0.9006869
HSAP0406S00036481	NM_173571	RP6-166C19.1	2.55	0.95659954
HSAP0406S00010485	NM_000588	IL3	2.55	1.436070215
HSAP0406S00021741	NM_080387	CLEC4D	2.53	0.675365825
HSAP0406S00019842	NM_145650	MUC15	2.53	2.442164879
HSAP0406S00036483	NM_173571	RP6-166C19.1	2.52	0.95659954
HSAP0406S00005967	NM_152527	SLC16A14	2.52	1.833872288
HSAP0406S00006632	NM_022842	CDCP1	2.51	0.995549775
HSAP0406S00020850	NM_138706	B3GNT6	2.51	1.046174864
HSAP0406S00019250	NM_173541	C10orf91	2.51	1.793237236
HSAP0406S00015911	BC015129	0	2.5	1.556893102
HSAP0406S00004570	NM_178839	LRRTM1	2.48	0.842588385
HSAP0406S00024532	NM_014750	DLG7	2.48	3.318629224
HSAP0406S00023429	NM_015409	EP400	2.47	1.367794073
HSAP0406S00030727	NM_021127	PMAIP1	2.45	2.178518557
HSAP0406S00009694	NM_004553	NDUFS6	2.43	0.921915216
HSAP0406S00003568	NM_000029	AGT	2.41	0.74261197
HSAP0406S00031335	NM_144693	ZNF558	2.41	0.703527958
HSAP0406S00002726	NM_007348	ATF6	2.39	2.094407493
HSAP0406S00020898	NM_145018	FLJ25416	2.38	2.707602522
HSAP0406S00036486	NM_173571	RP6-166C19.1	2.37	0.95659954
HSAP0406S00007668	NM_144717	FNDC6	2.36	0.65627939
HSAP0406S00008262	NM_153691	Data not found	2.36	1.077905823
HSAP0406S00023300	NM_014708	KNTC1	2.36	2.27899044
HSAP0406S00034703	AK097861	FLJ40542	2.35	1.287876591
HSAP0406S00014084	NM_198151	LOC253012	2.35	2.119409369
HSAP0406S00015140	NM_000237	LPL	2.33	1.952804354
HSAP0406S00029492	NM_024015	HOXB5	2.33	1.140840603
HSAP0406S00020748	NM_002599	PDE2A	2.32	0.662794668
HSAP0406S00019363	NM_024698	SLC25A22	2.31	1.026768673
HSAP0406S00011441	NM_003107	SOX4	2.31	1.991691259
HSAP0406S00022799	NM_181783	TMTC3	2.29	0.897125502
HSAP0406S00036485	NM_173571	RP6-166C19.1	2.29	0.95659954
HSAP0406S00036642	NM_152578	FMR1NB	2.29	2.104801309
HSAP0406S00002664	NM_005598	NHLH1	2.29	0.68751901
HSAP0406S00036930	NM_004677	XKRY	2.27	0.706310382
HSAP0406S00014904	NM_024012	HTR5A	2.24	0.700823964
HSAP0406S00016489	AF130079	UBAP1	2.22	1.051180401
HSAP0406S00004234	NM_024766	C2orf34	2.2	1.730169439
HSAP0406S00022594	NM_000075	CDK4	2.2	1.213040884
HSAP0406S00031714	NM_024527	ABHD8	2.19	0.675198492
HSAP0406S00018548	NM_144589	COMTD1	2.19	0.854255726
HSAP0406S00006844	U38276	SEMA3F	2.19	0.991929633
HSAP0406S00011482	NM_003544	HIST1H4B	2.18	1.677924315
HSAP0406S00008434	BC004397	AFAP	2.17	0.691373363
HSAP0406S00011921	NM_014260	PFDN6	2.15	0.771394707
HSAP0406S00000423	NM_153213	ARHGEF19	2.15	0.830607891
HSAP0406S00034322	NM_181607	KRTAP19-1	2.15	2.451917752
HSAP0406S00004933	NM_019618	IL1F9	2.14	0.789349685
HSAP0406S00020407	NM_004451	ESRRA	2.14	0.878519782
HSAP0406S00003946	NM_025203	FLJ21945	2.14	0.89895238
HSAP0406S00021871	NM_006205	PDE6H	2.14	1.997533719
HSAP0406S00018317	NM_152230	IPMK	2.13	0.715245485
HSAP0406S00018318	NM_018464	ZCD1	2.13	0.850188682
HSAP0406S00036478	NM_173571	RP6-166C19.1	2.12	0.95659954
HSAP0406S00016529	NM_004629	FANCG	2.12	1.174636934
HSAP0406S00012249	NM_015234	GPR116	2.12	1.451591651
HSAP0406S00001275	NM_004153	ORC1L	2.12	2.51170163



HSAP0406S00001298	NM_006671	SLC1A7	2.12	0.902350323
HSAP0406S00035703	NM_004595	SMS	2.12	0.904527499
HSAP0406S00031986	NM_032816	FLJ14640	2.11	1.319842332
HSAP0406S00033159	NM_145007	NALP11	2.11	4.381518618
HSAP0406S00034981	AL834353	TTC28	2.1	0.652035196
HSAP0406S00019154	NM_022034	CUZD1	2.1	0.696637964
HSAP0406S00025545	NM_002875	RAD51	2.1	1.348513701
HSAP0406S00005704	NM_206892	Data not found	2.09	1.898649798
HSAP0406S00007708	NM_022131	CLSTN2	2.09	4.757467932
HSAP0406S00001221	NM_000779	CYP4B1	2.09	0.721426661
HSAP0406S00036484	NM_173571	RP6-166C19.1	2.08	0.95659954
HSAP0406S00003135	NM_004433	ELF3	2.08	1.232148151
HSAP0406S00010954	NM_145049	UBLCP1	2.07	0.672058055
HSAP0406S00031626	NM_017506	OR7A5	2.07	0.725801338
HSAP0406S00018545	NM_144660	SAMD8	2.07	0.979656197
HSAP0406S00002803	NM_013330	NME7	2.06	0.677339336
HSAP0406S00012869	NM_031922	REPS1	2.06	0.78245928
HSAP0406S00029387	NM_021079	NMT1	2.06	0.698303629
HSAP0406S00032469	NM_013398	ZNF224	2.05	0.706394099
HSAP0406S00036479	NM_173571	RP6-166C19.1	2.05	0.95659954
HSAP0406S00017952	NM_145314	C10orf49	2.04	1.053857345
HSAP0406S00033310	NM_023939	MGC2752	2.04	0.711884606
HSAP0406S00029302	NM_007295	BRCA1	2.04	2.223157384
HSAP0406S00028462	NM_133491	SAT2	2.03	0.654982714
HSAP0406S00002821	NM_018186	C1orf112	2.03	1.3807894
HSAP0406S00020376	Z25427	MARK2	2.02	0.874979516
HSAP0406S00021924	NM_144667	FLJ32894	2.02	1.791688667
HSAP0406S00009672	NM_006598	SLC12A7	2.02	0.92933627
HSAP0406S00006564	NM_017886	Data not found	2	1.298666766

**Table 4(iii)** Genes up in MET PrCa compared to localised PrCa

Nimblegen_ID	Accession	GeneSymbol	AR ChIP-chip	log2(Met/BN)
HSAP0406S00033160	NM_134444	NALP4	8.56	1.546326682
HSAP0406S00024653	NM_002028	FNTB	5.83	0.770962403
HSAP0406S00014384	NM_152750	FLJ23834	5.45	1.50206186
HSAP0406S00019351	NM_021920	SCT	4.85	0.958486065
HSAP0406S00033243	NM_024762	ZNF552	4.71	2.077926204
HSAP0406S00019029	NM_020918	GPAM	4.58	1.495886314
HSAP0406S00005112	AF255647	TMEM163	4.12	0.952776498
HSAP0406S00014690	NM_173677	FLJ40852	4.01	0.971573768
HSAP0406S00020607	NM_001619	ADRBK1	3.81	1.274721061
HSAP0406S00006891	NM_014703	VPRBP	3.74	1.002492518
HSAP0406S00019436	AF116709	Data not found	3.67	4.065687271
HSAP0406S00019697	NM_198516	CSNK2A1	3.59	0.979583589
HSAP0406S00007628	NM_003571	BFSP2	3.57	0.95673208
HSAP0406S00014345	NM_145032	FBXL13	3.51	0.634140061
HSAP0406S00022771	NM_004664	LIN7A	3.5	1.268842725
HSAP0406S00016503	NM_147202	C9orf25	3.48	0.9984232
HSAP0406S00035148	NM_002854	PVALB	3.45	3.045680021
HSAP0406S00031222	NM_032306	ALKBH7	3.44	2.173992018
HSAP0406S00008289	NM_005255	GAK	3.44	0.614160297
HSAP0406S00017786	NM_001004353	LOC441476	3.39	1.530814298
HSAP0406S00022975	NM_152772	TCP11L2	3.36	1.938310572
HSAP0406S00015486	NM_138969	RDHE2	3.35	3.919082042
HSAP0406S00033737	NM_006690	MMP24	3.3	0.814516409
HSAP0406S00018345	NM_145307	PLEKHK1	3.26	1.927989531
HSAP0406S00026211	NM_004136	IREB2	3.26	0.881642809
HSAP0406S00017004	NM_005458	GABBR2	3.25	2.018298198
HSAP0406S00022164	NM_003482	MLL2	3.23	0.921162801
HSAP0406S00027396	NM_015369	Data not found	3.22	1.20150094

HSAP0406S00002849	NM_015569	DNM3	3.21	1.490415193
HSAP0406S00016306	NM_203403	C9orf150	3.2	1.098259119
HSAP0406S00027402	NM_015369	Data not found	3.15	1.20150094
HSAP0406S00002328	NM_004515	ILF2	3.14	0.666505066
HSAP0406S00029156	NM_033185	KRTAP3-3	3.13	0.773032212
HSAP0406S00000871	NM_003680	YARS	3.08	1.152613523
HSAP0406S00011584	NM_024493	ZNF306	3.07	0.838601061
HSAP0406S00015670	NM_152418	WDR21C	3.07	0.84387601
HSAP0406S00027401	NM_015369	Data not found	3.07	1.20150094
HSAP0406S00002127	NM_003548	HIST2H2BE	3.07	0.906790613
HSAP0406S00033660	NM_004798	KIF3B	3.07	0.78132771
HSAP0406S00017255	NM_014368	LHX6	3.03	0.954883012
HSAP0406S00007422	NM_019069	WDR5B	3.03	0.734246296
HSAP0406S00001450	NM_001559	IL12RB2	3.02	1.354512404
HSAP0406S00004145	NM_003162	STRN	3	0.699425021
HSAP0406S00009876	NM_002310	LIFR	2.97	1.382444851
HSAP0406S00014989	AF355799	DEFA1	2.95	0.786843463
HSAP0406S00020481	NM_145719	TIGD3	2.95	2.254384374
HSAP0406S00007859	NM_020307	CCNL1	2.92	0.875356191
HSAP0406S00024814	NM_002632	PGF	2.92	0.662377081
HSAP0406S00006912	NM_015407	ABHD14A	2.91	0.889747668
HSAP0406S00026038	NM_020147	THAP10	2.9	0.693076453
HSAP0406S00007890	NM_020800	IFT80	2.89	0.714709172
HSAP0406S00007891	NM_005496	SMC4	2.89	3.146021017
HSAP0406S00022645	NM_002076	GNS	2.89	1.591089496
HSAP0406S00007523	NM_013336	SEC61A1	2.87	0.688050248
HSAP0406S00029871	NM_001050	SSTR2	2.86	1.686201462
HSAP0406S00009789	NM_013235	RNASEN	2.82	0.743346572
HSAP0406S00007382	NM_003889	NR1I2	2.81	1.263596222
HSAP0406S00001587	NM_012262	HS2ST1	2.8	1.068797718
HSAP0406S00031127	NM_024333	FSD1	2.8	2.782500688
HSAP0406S00018770	NM_013314	BLNK	2.79	1.091911616
HSAP0406S00031227	NM_003685	KHSRP	2.79	1.154780459
HSAP0406S00021124	NM_207430	FLJ46266	2.78	1.063370095
HSAP0406S00026006	NM_017882	CLN6	2.75	1.663468132
HSAP0406S00033397	NM_001501	GNRH2	2.72	0.623252587
HSAP0406S00007691	NM_024491	CEP70	2.71	0.716720049
HSAP0406S00022399	NM_012117	CBX5	2.7	0.732663934
HSAP0406S00017956	NM_152751	C10orf30	2.68	1.704166535
HSAP0406S00008256	NM_033029	LMLN	2.68	0.833913908
HSAP0406S00001832	NM_002232	KCNA3	2.67	0.777974115
HSAP0406S00014470	NM_000492	CFTR	2.66	1.063270944
HSAP0406S00009748	NM_001369	DNAH5	2.64	1.631623471
HSAP0406S00019639	NM_003320	TUB	2.64	0.786232348
HSAP0406S00008031	NM_130446	KLHL6	2.63	1.386706534
HSAP0406S00011518	NM_003543	HIST1H4H	2.63	1.810610588
HSAP0406S00001478	NM_007071	HHLA3	2.59	0.828185227
HSAP0406S00033702	NM_016732	RALY	2.59	0.778684721
HSAP0406S00024786	NM_005589	ALDH6A1	2.58	0.61373306
HSAP0406S00000769	NM_031459	SESN2	2.57	0.934084897
HSAP0406S00021048	NM_002427	MMP13	2.57	1.305453986
HSAP0406S00015841	NM_032869	NUDCD1	2.55	1.2198516
HSAP0406S00010485	NM_000588	IL3	2.55	0.825306385
HSAP0406S00035969	NM_203407	LOC340602	2.54	0.6855313
HSAP0406S00020711	NM_018161	NADSYN1	2.53	0.973632431
HSAP0406S00021741	NM_080387	CLEC4D	2.53	1.168173789
HSAP0406S00019842	NM_145650	MUC15	2.53	1.538101758
HSAP0406S00014307	NM_014343	CLDN15	2.52	1.068212907
HSAP0406S00005967	NM_152527	SLC16A14	2.52	0.6442665
HSAP0406S00006632	NM_022842	CDCP1	2.51	0.829324666
HSAP0406S00020850	NM_138706	B3GNT6	2.51	1.731691281
HSAP0406S00019250	NM_173541	C10orf91	2.51	1.979820617
HSAP0406S00014988	NM_004084	DEFA1	2.5	0.810134124

HSAP0406S00015911	BC015129	0	2.5	1.147489786
HSAP0406S00014517	NM_014390	SND1	2.5	0.788314291
HSAP0406S00022959	BC013935	Data not found	2.49	1.250066713
HSAP0406S00022024	NM_015936	Data not found	2.49	0.706724546
HSAP0406S00016710	NM_138333	PIP5K1B	2.49	1.326057158
HSAP0406S00033275	NM_021089	ZNF8	2.48	0.616456141
HSAP0406S00004570	NM_178839	LRRTM1	2.48	1.821817222
HSAP0406S00024532	NM_014750	DLG7	2.48	5.473945963
HSAP0406S00023429	NM_015409	EP400	2.47	1.732658545
HSAP0406S00036062	AJ318895	RP11-167P23.2	2.46	1.054577526
HSAP0406S00030727	NM_021127	PMAIP1	2.45	1.933915473
HSAP0406S00019875	NM_019040	ELP4	2.45	0.867374674
HSAP0406S00009663	NM_023924	BRD9	2.44	0.742424244
HSAP0406S00009694	NM_004553	NDUFS6	2.43	0.66432646
HSAP0406S00034816	NM_201565	LOC284861	2.42	1.587577129
HSAP0406S00005830	NM_015690	STK36	2.42	1.215906564
HSAP0406S00013177	NM_017802	HEATR2	2.41	1.207427948
HSAP0406S00003568	NM_000029	AGT	2.41	1.012208428
HSAP0406S00031335	NM_144693	ZNF558	2.41	0.784873216
HSAP0406S00018553	NM_032024	C10orf11	2.41	0.64925472
HSAP0406S00023786	NM_006021	Data not found	2.4	0.82302502
HSAP0406S00024740	NM_012074	DPF3	2.4	1.136163747
HSAP0406S00002726	NM_007348	ATF6	2.39	2.63455181
HSAP0406S00000510	NM_004930	CAPZB	2.39	1.196323487
HSAP0406S00001901	NM_006594	AP4B1	2.38	0.701181922
HSAP0406S00029173	AJ406945	KRTAP4-15	2.38	1.221993633
HSAP0406S00001902	NM_022836	DCLRE1B	2.38	1.11384061
HSAP0406S00020898	NM_145018	FLJ25416	2.38	2.452278172
HSAP0406S00016119	NM_032789	PARP10	2.37	0.893201615
HSAP0406S00036607	NM_054021	GPR101	2.37	0.812629381
HSAP0406S00007668	NM_144717	FNDC6	2.36	1.03551931
HSAP0406S00008262	NM_153691	Data not found	2.36	3.324835939
HSAP0406S00023300	NM_014708	KNTC1	2.36	2.742748373
HSAP0406S00014990	NM_004084	DEFA1	2.35	0.810134124
HSAP0406S00034703	AK097861	FLJ40542	2.35	1.093289842
HSAP0406S00014084	NM_198151	LOC253012	2.35	2.017244958
HSAP0406S00015476	NM_024831	NCOA6IP	2.34	0.675348259
HSAP0406S00028484	NM_053051	CNTROB	2.33	0.94865233
HSAP0406S00019516	NM_021801	MMP26	2.33	1.774036765
HSAP0406S00015140	NM_000237	LPL	2.33	1.989134368
HSAP0406S00029492	NM_024015	HOXB5	2.33	1.103187994
HSAP0406S00010432	NM_002317	LOX	2.33	0.882412528
HSAP0406S00021176	NM_030770	TMPRSS5	2.32	0.744488508
HSAP0406S00020748	NM_002599	PDE2A	2.32	0.775113905
HSAP0406S00000811	AF116607	Data not found	2.31	0.617757837
HSAP0406S00035309	AB051442	TEF	2.31	1.279178604
HSAP0406S00019363	NM_024698	SLC25A22	2.31	0.843734602
HSAP0406S00032700	NM_000979	RPL18	2.31	0.902735758
HSAP0406S00011441	NM_003107	SOX4	2.31	3.509634739
HSAP0406S00010023	NM_173667	FLJ37543	2.3	0.867006462
HSAP0406S00008170	NM_005524	HES1	2.3	0.725762185
HSAP0406S00027231	NM_031211	Data not found	2.29	0.743410365
HSAP0406S00035342	NM_152613	WBP2NL	2.29	0.886664971
HSAP0406S00022799	NM_181783	TMTC3	2.29	1.329342292
HSAP0406S00035859	NM_005229	ELK1	2.28	0.752848396
HSAP0406S00022600	NM_005371	METTL1	2.27	1.013351531
HSAP0406S00036930	NM_004677	XKRY	2.27	1.129435208
HSAP0406S00001859	NM_000677	ADORA3	2.26	0.609751275
HSAP0406S00007227	NM_032787	GPR128	2.25	1.161846276
HSAP0406S00016582	NM_019897	OR2S2	2.25	0.92516709
HSAP0406S00029215	NM_000805	GAST	2.24	1.140939786
HSAP0406S00010165	NM_014886	TINP1	2.24	0.801371456
HSAP0406S00031202	NM_000149	FUT3	2.23	1.619245627

HSAP0406S00021016	NM_032427	MAML2	2.23	0.96258272
HSAP0406S00016489	AF130079	UBAP1	2.22	1.158958612
HSAP0406S00028447	NM_000937	POLR2A	2.22	1.664909614
HSAP0406S00004337	NM_022894	PAPOLG	2.2	0.676682065
HSAP0406S00031675	NM_054113	CIB3	2.2	0.620013815
HSAP0406S00029181	NM_033191	KRTAP9-4	2.2	1.46136355
HSAP0406S00004234	NM_024766	C2orf34	2.2	2.057852687
HSAP0406S00006977	NM_002218	ITIH4	2.2	0.989252254
HSAP0406S00022594	NM_000075	CDK4	2.2	1.370795298
HSAP0406S00031714	NM_024527	ABHD8	2.19	0.629891227
HSAP0406S00018548	NM_144589	COMTD1	2.19	0.988134785
HSAP0406S00006844	U38276	SEMA3F	2.19	0.843670619
HSAP0406S00003614	AF193050		2.18	0.705463897
HSAP0406S00011482	NM_003544	HIST1H4B	2.18	1.389256279
HSAP0406S00000900	NM_052896	CSMD2	2.16	1.15170985
HSAP0406S00019598	NM_000391	TPP1	2.16	1.023777647
HSAP0406S00011921	NM_014260	PFDN6	2.15	1.233435691
HSAP0406S00000423	NM_153213	ARHGEF19	2.15	0.803040678
HSAP0406S00034322	NM_181607	KRTAP19-1	2.15	1.908737477
HSAP0406S00020407	NM_004451	ESRRA	2.14	1.153223774
HSAP0406S00001648	NM_007358	MTF2	2.13	0.609987448
HSAP0406S00029470	NM_033413	LRRC46	2.13	0.844934184
HSAP0406S00018318	NM_018464	ZCD1	2.13	1.432959407
HSAP0406S00032076	NM_014383	ZBTB32	2.12	1.18497187
HSAP0406S00016529	NM_004629	FANCG	2.12	1.255891106
HSAP0406S00012249	NM_015234	GPR116	2.12	1.744004623
HSAP0406S00001275	NM_004153	ORC1L	2.12	3.373654106
HSAP0406S00001298	NM_006671	SLC1A7	2.12	1.030215363
HSAP0406S00023207	NM_012240	SIRT4	2.12	1.114203888
HSAP0406S00031986	NM_032816	FLJ14640	2.11	1.824067176
HSAP0406S00033159	NM_145007	NALP11	2.11	2.973985028
HSAP0406S00022604	NM_005726	TSFM	2.11	0.893483909
HSAP0406S00025545	NM_002875	RAD51	2.1	1.706737277
HSAP0406S00000524	NM_022819	PLA2G2F	2.09	0.833647512
HSAP0406S00005704	NM_206892	Data not found	2.09	2.249143238
HSAP0406S00007708	NM_022131	CLSTN2	2.09	2.035983992
HSAP0406S00003135	NM_004433	ELF3	2.08	1.316625071
HSAP0406S00021018	NM_024725	CCDC82	2.07	0.918335106
HSAP0406S00032915	M60626	Data not found	2.07	1.766333876
HSAP0406S00010954	NM_145049	UBLCP1	2.07	0.985515075
HSAP0406S00012869	NM_031922	REPS1	2.06	1.323718515
HSAP0406S00001975	NM_005518	HMGCS2	2.06	0.625698699
HSAP0406S00029387	NM_021079	NMT1	2.06	0.694192212
HSAP0406S00025715	NM_138356	SHF	2.05	0.684030169
HSAP0406S00032469	NM_013398	ZNF224	2.05	0.904293505
HSAP0406S00017952	NM_145314	C10orf49	2.04	1.018366582
HSAP0406S00033310	NM_023939	MGC2752	2.04	0.786473922
HSAP0406S00029302	NM_007295	BRCA1	2.04	2.452754607
HSAP0406S00029769	NM_022644	CSH1	2.03	0.733307202
HSAP0406S00030174	NM_020761	KIAA1303	2.03	0.762897035
HSAP0406S00002821	NM_018186	C1orf112	2.03	2.158320603
HSAP0406S00029149	NM_000421	KRT10	2.03	0.636826948
HSAP0406S00010691	NM_018931	PCDHB11	2.02	1.403467667
HSAP0406S00020376	Z25427	MARK2	2.02	0.898552187
HSAP0406S00021924	NM_144667	FLJ32894	2.02	1.730525665
HSAP0406S00009672	NM_006598	SLC12A7	2.02	1.257406627
HSAP0406S00021709	NM_016546	C1RL	2.02	1.564410574
HSAP0406S00033764	NM_016436	PHF20	2.01	1.157025398
HSAP0406S00002696	NM_000309	PPOX	2.01	1.636025136
HSAP0406S00027412	NM_018206	VPS35	2	0.798052971

**Table 4(iv)** Genes up in MET PrCa compared to benign prostate epithelia

Nimblegen_ID	Accession	GeneSymbol	AR ChIP-chip	AndrogenAblationRx	LNCaP-2fold-up
HSAP0406S00004981	NM_020548	DBI	4.3	3.003115265	1
HSAP0406S00030009	NM_001258	CDK3	3.98	3.16	1
HSAP0406S00022397	NM_014620	HOXC6	3.76	3.441734417	0
HSAP0406S00032869	NM_001002231	KLK2	3.36	4.668989547	0
HSAP0406S00014139	NM_015379	BRI3	3	3.949367089	0
HSAP0406S00032872	AF113140	KLK4	2.98	8.650793651	0
HSAP0406S00009748	NM_001369	DNAH5	2.64	15.03448276	0
HSAP0406S00007395	NM_000187	HGD	2.59	7.45	1
HSAP0406S00024786	NM_005589	ALDH6A1	2.58	3.794326241	0
HSAP0406S00032867	AF335478	KLK3	2.26	7.558386412	0
HSAP0406S00032037	U31214	FXYD3	2.02	6.55	0

**Table 4(v)** Genes down following androgen ablation therapy

Nimblegen_ID	Accession	GeneSymbol	AR ChIP-chip	No-Expression-arrays
HSAP0406S00009341	NM_002940	ABCE1	2.99	1
HSAP0406S00023085	NM_025247	ACAD10	2.27	1
HSAP0406S00008111	BC048198	AHSG	3.17	1
HSAP0406S00006005	NM_031313	ALPPL2	2.2	1
HSAP0406S00009340	NM_014885	ANAPC10	2.99	1
HSAP0406S00008056	NM_004068	AP2M1	2.33	1
HSAP0406S00029701	NM_006380	APPBP2	3.07	3
HSAP0406S00002726	NM_007348	ATF6	2.39	1
HSAP0406S00021097	NM_000051	ATM	3.14	1
HSAP0406S00003179	BX537444	ATP2B4	2.35	1
HSAP0406S00020536	NM_003860	BANF1	2.72	1
HSAP0406S00004077	NM_022128	BRE	3.54	1
HSAP0406S00006371	NM_000060	BTD	2.87	2
HSAP0406S00002998	AF361250	C1orf21	2.37	1
HSAP0406S00008897	BC032518	CCNG2	2.99	2
HSAP0406S00021677	S79267	CD4	2.11	1
HSAP0406S00035679	BC036091	CDKL5	2.01	1
HSAP0406S00012878	NM_006079	CITED2	3.86	1
HSAP0406S00029258	AK075415	COASY	2.23	1
HSAP0406S00001299	NM_000098	CPT2	2.29	1
HSAP0406S00013456	NM_018947	CYCS	2.17	1
HSAP0406S00004981	NM_020548	DBI	4.3	4
HSAP0406S00013744	NM_000790	DDC	2.16	3
HSAP0406S00009004	BC036001	DHRS8	2.5	1
HSAP0406S00000848	NM_003757	EIF3S2	3.51	1
HSAP0406S00003135	NM_004433	ELF3	2.08	1
HSAP0406S00020407	NM_004451	ESRRA	2.14	1
HSAP0406S00033966	NM_172113	EYA2	3.34	1
HSAP0406S00022602	NM_206914	FAM119B	2.27	1
HSAP0406S00009027	AB020721	FAM13A1	3.22	1
HSAP0406S00032037	U31214	FXYD3	2.02	1
HSAP0406S00010309	NM_002064	GLRX	2.2	1
HSAP0406S00011662	NM_005275	GNL1	3.23	1
HSAP0406S00008170	NM_005524	HES1	2.3	1
HSAP0406S00002136	NM_003528	HIST2H2BE	2.65	1
HSAP0406S00011663	NM_025263	HLA-E	2.19	2
HSAP0406S00022400	NM_031157	HNRPA1	2.7	1
HSAP0406S00029293	NM_005533	IFI35	2.7	1
HSAP0406S00025288	AK090464	IGHG1	2.02	1
HSAP0406S00004827	AY358263	IL1R1	3.79	2
HSAP0406S00001366	NM_002228	JUN	3.27	2
HSAP0406S00014880	BC068598	KCNH2	3.48	3
HSAP0406S00024707	NM_014734	KIAA0247	2.97	2
HSAP0406S00032869	NM_001002231	KLK2	3.36	3

HSAP0406S00032867	AF335478	KLK3	2.26	4
HSAP0406S00032872	AF113140	KLK4	2.98	1
HSAP0406S00022326	L32537	KRT18	2.06	2
HSAP0406S00022317	NM_002272	KRT8	3.43	4
HSAP0406S00009876	NM_002310	LIFR	2.97	4
HSAP0406S00034673	BC066547	LOC440157	2.11	1
HSAP0406S00021048	NM_002427	MMP13	2.57	1
HSAP0406S00010143	D87453	MRPS27	2.76	1
HSAP0406S00027517	BC007034	MT2A	2.98	1
HSAP0406S00035582	NM_020742	NLGN4X	2.24	1
HSAP0406S00002803	NM_013330	NME7	2.06	1
HSAP0406S00021096	NM_002519	NPAT	3.14	2
HSAP0406S00017536	D14689	NUP214	3.51	1
HSAP0406S00012137	BC048331	PEX6	2.96	1
HSAP0406S00012099	NM_002630	PGC	4.46	2
HSAP0406S00031370	AK125160	PIN1	2.26	1
HSAP0406S00030727	NM_021127	PMAIP1	2.45	1
HSAP0406S00035588	NM_004650	PNPLA4	2.18	1
HSAP0406S00012138	NM_006245	PPP2R5D	2.04	2
HSAP0406S00034855	NM_206953	PRAME	4.25	1
HSAP0406S00036367	NM_002764	PRPS1	2.62	1
HSAP0406S00026156	NM_002833	PTPN9	2.76	1
HSAP0406S00030374	BC051651	PTPRM	2.73	2
HSAP0406S00002945	NM_002826	QSCN6	2.36	1
HSAP0406S00036605	BC006550	RBMX	2.13	1
HSAP0406S00015301	AK057533	RBPMS	2.17	1
HSAP0406S00024136	NM_194430	RNASE4	2.32	1
HSAP0406S00021645	AY365119	SCNN1A	2.45	1
HSAP0406S00028813	NM_006923	SDF2	4.05	1
HSAP0406S00007916	NM_005025	SERPINI1	2.08	2
HSAP0406S00028328	NM_003562	SLC25A11	2.52	1
HSAP0406S00016248	X72889	SMARCA2	2.54	1
HSAP0406S00035703	NM_004595	SMS	2.12	1
HSAP0406S00015447	NM_003068	SNAI2	2.5	1
HSAP0406S00011441	NM_003107	SOX4	2.31	1
HSAP0406S00011958	BC021299	SPDEF	4.28	1
HSAP0406S00031282	AB002559	STXBP2	2.24	1
HSAP0406S00022470	NM_000456	SUOX	2.65	1
HSAP0406S00016545	AF521047	TESK1	2.88	1
HSAP0406S00029119	NM_003250	THRA	2.38	2
HSAP0406S00021642	NM_001065	TNFRSF1A	3.18	1
HSAP0406S00023371	BC014880	UBC	2.22	1
HSAP0406S00009104	NM_181886	UBE2D3	2.07	1
HSAP0406S00030396	NM_003574	VAPA	2.3	1
HSAP0406S00016986	NM_000380	XPA	2	2
HSAP0406S00010235	NM_032280	ZCCHC9	2.44	1
HSAP0406S00015618	AK024633	ZFHx4	2.38	1
HSAP0406S00031353	NM_032497	ZNF559	2.13	1

**Table 4(vi)** Androgen regulated genes in LNCaP cell line

NimblegenID	GeneAccession	NimblegenDescription
HSAP0406S00028473	AB002344	KIAA0346; N/A; Human mRNA for KIAA0346 gene, partial cds.
HSAP0406S00014812	AB011115	KIAA0543; KIAA0543 protein; Homo sapiens mRNA for KIAA0543 protein, partial cds.
HSAP0406S00034030	AB014511	KIAA0611; KIAA0611 protein; Homo sapiens mRNA for KIAA0611 protein, partial cds.
HSAP0406S00009027	AB020721	KIAA0914; KIAA0914 protein; Homo sapiens mRNA for KIAA0914 protein, partial cds.
HSAP0406S00027395	AB023508	TP53TG3b; TP53TG3b; Homo sapiens mRNA for TP53TG3b.
HSAP0406S00002203	AB037811	KIAA1390; KIAA1390 protein; Homo sapiens mRNA for KIAA1390 protein, partial cds.
HSAP0406S00023118	AB044545	P/OKcl.4; 2'-5' oligoadenylate synthetase 3; Homo sapiens P/OKcl.4 mRNA for 2'-5' oligo
HSAP0406S00035189	AB051449	KIAA1662; KIAA1662 protein; Homo sapiens mRNA for KIAA1662 protein, partial cds.
HSAP0406S00037007	AB064665	OK/SW-cl.16; OK/SW-CL.16; Homo sapiens mRNA for OK/SW-CL.16.
HSAP0406S00025361	AB067486	KIAA1899; KIAA1899 protein; Homo sapiens mRNA for KIAA1899 protein, partial cds.
HSAP0406S00027745	AB075868	KIAA1988; KIAA1988 protein; Homo sapiens mRNA for KIAA1988 protein.
HSAP0406S00014279	AF007194	MUC3; mucin; Homo sapiens mucin (MUC3) mRNA, partial cds.
HSAP0406S00013355	AF026246	env; HERV-E envelope glycoprotein; human endogenous retrovirus H and human endog
HSAP0406S00033155	AF073727	EPSIN; EH domain-binding mitotic phosphoprotein; Homo sapiens EH domain-binding n
HSAP0406S00020306	AF083120	CATX-4; unknown; Homo sapiens CATX-4 mRNA, partial cds.
HSAP0406S00019436	AF116709	N/A; PRO2605; Homo sapiens PRO2605 mRNA.
HSAP0406S00019129	AF116723	N/A; MSTP053; Homo sapiens MSTP053 mRNA.
HSAP0406S00019438	AF118081	N/A; PRO1900; Homo sapiens PRO1900 mRNA.
HSAP0406S00002773	AF119045	N/A; unknown; Homo sapiens unknown mRNA.
HSAP0406S00013013	AF120323	TIAM2; T-cell lymphoma invasion and metastasis 2; Homo sapiens T-cell lymphoma inva
HSAP0406S00019698	AF131852	N/A; Unknown; Homo sapiens clone 25215 mRNA sequence, partial cds.
HSAP0406S00028175	AF177341	N/A; unknown; Homo sapiens clone HC56 unknown mRNA.
HSAP0406S00008201	AF177925	MUC4; mucin 4; Homo sapiens mucin 4 (MUC4) mRNA, partial cds.
HSAP0406S00021840	AF190165	MST162; MSTP162; Homo sapiens MSTP162 (MST162) mRNA.
HSAP0406S00008767	AF241539	N/A; ncaml; Homo sapiens ncaml mRNA.
HSAP0406S00005112	AF255647	N/A; DC29; Homo sapiens DC29 mRNA.
HSAP0406S00037018	AF391805	N/A; unknown; Homo sapiens clone 35w unknown mRNA; mitochondrial gene for mitoch
HSAP0406S00020967	AF467654	MTNR1B; melatonin receptor MEL1B; Homo sapiens melatonin receptor MEL1B (MTNR
HSAP0406S00025068	AK000041	Homo sapiens cDNA FLJ20034 fis, clone COL00195.
HSAP0406S00029630	AK021772	Homo sapiens cDNA FLJ11710 fis, clone HEMBA1005149.
HSAP0406S00008343	AK024501	FLJ00110; FLJ00110 protein; Homo sapiens mRNA for FLJ00110 protein, partial cds.
HSAP0406S00025830	AK024757	Homo sapiens cDNA: FLJ21104 fis, clone CAS04958.
HSAP0406S00030952	AK025936	Homo sapiens cDNA: FLJ22283 fis, clone HRC03873.
HSAP0406S00026911	AK074072	FLJ00143; FLJ00143 protein; Homo sapiens mRNA for FLJ00143 protein.
HSAP0406S00000845	AK075260	Homo sapiens cDNA FLJ90779 fis, clone THYRO1001205.
HSAP0406S00020302	AK091153	Homo sapiens cDNA FLJ33834 fis, clone CTONG2004264, moderately similar to NEUR
HSAP0406S00019187	AK094354	Homo sapiens cDNA FLJ37035 fis, clone BRACE2011545.
HSAP0406S00030181	AK094659	Homo sapiens cDNA FLJ37340 fis, clone BRAMY2020574.
HSAP0406S00031253	AK095524	Homo sapiens cDNA FLJ38205 fis, clone FCBBF1000437, moderately similar to ZINC F
HSAP0406S00020605	AK096194	Homo sapiens cDNA FLJ38875 fis, clone MESAN2013936.
HSAP0406S00009399	AK096509	Homo sapiens cDNA FLJ39190 fis, clone OCBF2004647, highly similar to ARFAPTIN
HSAP0406S00015669	AK097600	Homo sapiens cDNA FLJ40281 fis, clone TESTI2027503.
HSAP0406S00030393	AK097656	Homo sapiens cDNA FLJ40337 fis, clone TESTI2032044, moderately similar to THIORE
HSAP0406S00019979	AK097878	Homo sapiens cDNA FLJ40559 fis, clone THYMU2002910.
HSAP0406S00017806	AK122590	FLJ00415; FLJ00415 protein; Homo sapiens mRNA for FLJ00415 protein.
HSAP0406S00004942	AK123617	Homo sapiens cDNA FLJ41623 fis, clone CTONG3009227.
HSAP0406S00030131	AK124561	Homo sapiens cDNA FLJ42570 fis, clone BRACE3007767.
HSAP0406S00021548	AK125040	Homo sapiens cDNA FLJ43050 fis, clone BRTHA3005046.
HSAP0406S00006203	AK125674	Homo sapiens cDNA FLJ43686 fis, clone TBAES2001751.
HSAP0406S00026914	AK126938	Homo sapiens cDNA FLJ44991 fis, clone BRAWH3008867.
HSAP0406S00011439	AK128546	Homo sapiens cDNA FLJ46705 fis, clone TRACH3015346.
HSAP0406S00016869	AK128703	Homo sapiens cDNA FLJ46870 fis, clone UTERU3012599.
HSAP0406S00019094	AL122051	DKFZp434B0328; hypothetical protein; Homo sapiens mRNA; cDNA DKFZp434B0328 (
HSAP0406S00013255	AL137525	source; Homo sapiens mRNA; cDNA DKFZp434I0118 (from clone DKFZp434I0118).
HSAP0406S00002965	AL161952	DKFZp434M0813; hypothetical protein; Homo sapiens mRNA; cDNA DKFZp434M0813
HSAP0406S00020673	AL389982	N/A; AK001912 hypothetical protein; Homo sapiens mRNA full length insert cDNA clone
HSAP0406S00022019	AL713762	DKFZp434K1572; hypothetical protein; Homo sapiens mRNA; cDNA DKFZp434K1572 (
HSAP0406S00024692	AL831823	DKFZp451B213; hypothetical protein; Homo sapiens mRNA; cDNA DKFZp451B213 (fro
HSAP0406S00008291	AL834199	DKFZp547K246; hypothetical protein; Homo sapiens mRNA; cDNA DKFZp547K246 (fro
HSAP0406S00024691	AL834533	DKFZp434A035; hypothetical protein; Homo sapiens mRNA; cDNA DKFZp434A035 (fro
HSAP0406S00037016	AY206700	N/A; NADH dehydrogenase subunit 5; Homo sapiens NADH dehydrogenase subunit 5 n
HSAP0406S00019093	AY211924	N/A; sarcoma antigen NY-SAR-84; Homo sapiens sarcoma antigen NY-SAR-84 mRNA,

HSAP0406S00004827	AY358263	N/A; AHPA9419; Homo sapiens clone DNA180542 AHPA9419 (UNQ9419) mRNA.
HSAP0406S00008096	AY358547	N/A; RPLL168; Homo sapiens clone DNA26844 RPLL168 (UNQ168) mRNA.
HSAP0406S00003587	AY358611	N/A; DDDL1880; Homo sapiens clone DNA80794 DDDL1880 (UNQ1880) mRNA.
HSAP0406S00013504	AY358643	N/A; FKBP14; Homo sapiens clone DNA44194 FKBP14 (UNQ322) mRNA.
HSAP0406S00002432	BC000349	GBA; GBA protein; Homo sapiens glucosidase, beta; acid (includes glucosylceramidase
HSAP0406S00021155	BC000711	TIMM8B; TIMM8B protein; Homo sapiens translocase of inner mitochondrial membrane
HSAP0406S00016511	BC003110	IL11RA; interleukin 11 receptor, alpha, isoform 1 precursor; Homo sapiens interleukin 11
HSAP0406S00031140	BC008288	UBXD1; UBXD1 protein; Homo sapiens UBX domain containing 1, mRNA (cDNA clone I
HSAP0406S00033176	BC008651	MGC9913; MGC9913 protein; Homo sapiens hypothetical protein MGC9913, mRNA (cD
HSAP0406S00023668	BC014346	N/A; Unknown (protein for IMAGE:4042988); Homo sapiens, clone IMAGE:4042988, mF
HSAP0406S00021157	BC015188	SDHD; succinate dehydrogenase complex, subunit D, precursor; Homo sapiens succina
HSAP0406S00019188	BC015213	N/A; Unknown (protein for IMAGE:3917216); Homo sapiens, clone IMAGE:3917216, mF
HSAP0406S00001203	BC016907	N/A; Unknown (protein for IMAGE:4396276); Homo sapiens cDNA clone IMAGE:439627
HSAP0406S00030194	BC020925	MGC15523; MGC15523 protein; Homo sapiens hypothetical protein MGC15523, mRNA
HSAP0406S00011958	BC021299	SPDEF; SAM pointed domain containing ets transcription factor; Homo sapiens SAM po
HSAP0406S00007244	BC022001	PCNP; PEST-containing nuclear protein; Homo sapiens PEST-containing nuclear protei
HSAP0406S00023923	BC033823	DNAJC3; DNAJC3 protein; Homo sapiens DnaJ (Hsp40) homolog, subfamily C, membe
HSAP0406S00018090	BC033839	N/A; Unknown (protein for MGC:45541); Homo sapiens cDNA clone MGC:45541 IMAGE
HSAP0406S00002114	BC034418	FLJ20719; FLJ20719 protein; Homo sapiens hypothetical protein FLJ20719, mRNA (cDI
HSAP0406S00009397	BC037869	TIGD4; tigger transposable element derived 4; Homo sapiens tigger transposable eleme
HSAP0406S00020342	BC042801	N/A; Similar to RIKEN cDNA 0610006I08 gene; Homo sapiens, Similar to RIKEN cDNA
HSAP0406S00033306	BC047005	source; Homo sapiens putative breast adenocarcinoma marker (32kD), mRNA (cDNA cl
HSAP0406S00025718	BC051861	MGC5347; MGC5347 protein; Homo sapiens hypothetical protein MGC5347, mRNA (cD
HSAP0406S00002140	BC063405	N/A; Unknown (protein for MGC:75015); Homo sapiens cDNA clone MGC:75015 IMAGE
HSAP0406S00014880	BC068598	PRKAG2; PRKAG2 protein; Homo sapiens protein kinase, AMP-activated, gamma 2 nor
HSAP0406S00014497	BC068607	FLJ35834; FLJ35834 protein; Homo sapiens hypothetical protein FLJ35834, mRNA (cDI
HSAP0406S00026245	BX537608	DKFZp686F13224; hypothetical protein; Homo sapiens mRNA; cDNA DKFZp686F1322.
HSAP0406S00019712	BX538021	DKFZp686H2469; hypothetical protein; Homo sapiens mRNA; cDNA DKFZp686H2469 (
HSAP0406S00020890	BX640737	DKFZp686K11107; hypothetical protein; Homo sapiens mRNA; cDNA DKFZp686K1110
HSAP0406S00020805	BX640750	DKFZp686K10126; hypothetical protein; Homo sapiens mRNA; cDNA DKFZp686K1012
HSAP0406S00017536	D14689	KIAA0023; N/A; Homo sapiens KIAA0023 mRNA.
HSAP0406S00010324	D50810	N/A; placental leucine aminopeptidase; Homo sapiens mRNA for placental leucine amin
HSAP0406S00021653	D63880	KIAA0159; N/A; Homo sapiens mRNA for KIAA0159 gene, partial cds.
HSAP0406S00009067	M12272	ADH3; alcohol dehydrogenase 1; Homo sapiens alcohol dehydrogenase class I gamma
HSAP0406S00037019	M28016	cytochrome b; cytochrome b; Human mitochondrial cytochrome b gene, partial cds.
HSAP0406S00021097	NM_000051	ATM; ataxia telangiectasia mutated protein isoform 1; Homo sapiens ataxia telangiectas
HSAP0406S00018263	NM_000124	ERCC6; excision repair cross-complementing rodent repair deficiency, complementation
HSAP0406S00013487	NM_000522	HOXA13; homeobox protein A13; Homo sapiens homeo box A13 (HOXA13), mRNA.
HSAP0406S00016620	NM_000692	ALDH1B1; aldehyde dehydrogenase 1B1 precursor; Homo sapiens aldehyde dehydroge
HSAP0406S00015263	NM_000742	CHRNA2; cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal); Homo sapiens
HSAP0406S00007885	NM_000882	IL12A; interleukin 12A precursor; Homo sapiens interleukin 12A (natural killer cell stimul
HSAP0406S00032869	NM_001002231	KLK2; kallikrein 2, prostatic isoform 2; Homo sapiens kallikrein 2, prostatic (KLK2), trans
HSAP0406S00017786	NM_001004353	LOC441476; hypothetical gene supported by AK097565; BC033939; Homo sapiens hyp
HSAP0406S00019513	NM_001005237	OR51G1; olfactory receptor, family 51, subfamily G, member 1; Homo sapiens olfactory
HSAP0406S00014760	NM_001005281	OR6B1; olfactory receptor, family 6, subfamily B, member 1; Homo sapiens olfactory rec
HSAP0406S00012812	NM_001016	RPS12; ribosomal protein S12; Homo sapiens ribosomal protein S12 (RPS12), mRNA.
HSAP0406S00021642	NM_001065	TNFRSF1A; tumor necrosis factor receptor 1 precursor; Homo sapiens tumor necrosis f
HSAP0406S00030009	NM_001258	CDK3; cyclin-dependent kinase 3; Homo sapiens cyclin-dependent kinase 3 (CDK3), mF
HSAP0406S00024186	NM_001344	DAD1; defender against cell death 1; Homo sapiens defender against cell death 1 (DAD
HSAP0406S00010964	NM_001445	FABP6; gastrotropin; Homo sapiens fatty acid binding protein 6, ileal (gastrotropin) (FAB
HSAP0406S00015145	NM_001495	GFRA2; GDNF family receptor alpha 2 preproprotein; Homo sapiens GDNF family recep
HSAP0406S00001450	NM_001559	IL12RB2; interleukin 12 receptor, beta 2 precursor; Homo sapiens interleukin 12 recepto
HSAP0406S00020607	NM_001619	ADRBK1; beta adrenergic receptor kinase 1; Homo sapiens adrenergic, beta, receptor k
HSAP0406S00024319	NM_001911	CTSG; cathepsin G preproprotein; Homo sapiens cathepsin G (CTSG), mRNA.
HSAP0406S00024653	NM_002028	FNTB; farnesyltransferase, CAAX box, beta; Homo sapiens farnesyltransferase, CAAX t
HSAP0406S00001366	NM_002228	JUN; v-jun avian sarcoma virus 17 oncogene homolog; Homo sapiens v-jun sarcoma vir
HSAP0406S00022317	NM_002272	KRT4; keratin 4; Homo sapiens keratin 4 (KRT4), mRNA.
HSAP0406S00010650	NM_002488	NDUFA2; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa; Homo sapi
HSAP0406S00021096	NM_002519	NPAT; nuclear protein, ataxia-telangiectasia locus; Homo sapiens nuclear protein, ataxi
HSAP0406S00001171	NM_002574	PRDX1; peroxiredoxin 1; Homo sapiens peroxiredoxin 1 (PRDX1), transcript variant 1, n
HSAP0406S00029070	NM_002795	PSMB3; proteasome beta 3 subunit; Homo sapiens proteasome (prosome, macropain) s
HSAP0406S00035148	NM_002854	PVALB; parvalbumin; Homo sapiens parvalbumin (PVALB), mRNA.
HSAP0406S00004145	NM_003162	STRN; striatin, calmodulin binding protein; Homo sapiens striatin, calmodulin binding prc



HSAP0406S00022164	NM_003482	MLL2; myeloid/lymphoid or mixed-lineage leukemia 2; Homo sapiens myeloid/lymphoid
HSAP0406S00002127	NM_003548	HIST2H4; histone 2, H4; Homo sapiens histone 2, H4 (HIST2H4), mRNA.
HSAP0406S00007628	NM_003571	BFSP2; phakinin; Homo sapiens beaded filament structural protein 2, phakinin (BFSP2),
HSAP0406S00000848	NM_003757	EIF3S2; eukaryotic translation initiation factor 3, subunit 2 beta, 36kDa; Homo sapiens e
HSAP0406S00026211	NM_004136	IREB2; iron-responsive element binding protein 2; Homo sapiens iron-responsive eleme
HSAP0406S00001585	NM_004261	SEP15; 15 kDa selenoprotein isoform 1 precursor; Homo sapiens 15 kDa selenoprotein
HSAP0406S00002328	NM_004515	ILF2; interleukin enhancer binding factor 2; Homo sapiens interleukin enhancer binding f
HSAP0406S00001007	NM_004552	NDUFS5; NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme
HSAP0406S00022771	NM_004664	LIN7A; lin-7 homolog A; Homo sapiens lin-7 homolog A (C. elegans) (LIN7A), mRNA.
HSAP0406S00000733	NM_004672	MAP3K6; mitogen-activated protein kinase kinase kinase 6; Homo sapiens mitogen-acti
HSAP0406S00033660	NM_004798	KIF3B; kinesin family member 3B; Homo sapiens kinesin family member 3B (KIF3B), mF
HSAP0406S00011662	NM_005275	GNL1; guanine nucleotide binding protein-like 1; Homo sapiens guanine nucleotide bind
HSAP0406S00017004	NM_005458	GPR51; G protein-coupled receptor 51; Homo sapiens G protein-coupled receptor 51 (G
HSAP0406S00000866	NM_005610	RBBP4; retinoblastoma binding protein 4; Homo sapiens retinoblastoma binding protein
HSAP0406S00023866	NM_006002	UCHL3; ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase); Homo sapiens
HSAP0406S00012878	NM_006079	CITED2; Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain
HSAP0406S00029701	NM_006380	APPBP2; amyloid beta precursor protein-binding protein 2; Homo sapiens amyloid beta
HSAP0406S00011837	NM_006411	AGPAT1; 1-acylglycerol-3-phosphate O-acyltransferase 1; Homo sapiens 1-acylglycerol
HSAP0406S00012187	NM_006502	POLH; polymerase (DNA directed), eta; Homo sapiens polymerase (DNA directed), eta
HSAP0406S00030978	NM_006830	UQCR; ubiquinol-cytochrome c reductase (6.4kD) subunit; Homo sapiens ubiquinol-cyto
HSAP0406S00011838	NM_006913	RNF5; ring finger protein 5; Homo sapiens ring finger protein 5 (RNF5), mRNA.
HSAP0406S00028813	NM_006923	SDF2; stromal cell-derived factor 2 precursor; Homo sapiens stromal cell-derived factor
HSAP0406S00007060	NM_007177	TU3A; downregulated in renal cell carcinoma; Homo sapiens TU3A protein (TU3A), mRN
HSAP0406S00016504	NM_012144	DNAI1; dynein, axonemal, intermediate polypeptide 1; Homo sapiens dynein, axonemal,
HSAP0406S00020333	NM_012202	GNG3; guanine nucleotide binding protein (G protein), gamma 3; Homo sapiens guanine
HSAP0406S00001167	NM_012222	MUTYH; mutY homolog; Homo sapiens mutY homolog (E. coli) (MUTYH), mRNA.
HSAP0406S00011019	NM_012300	FBXW11; F-box and WD-40 domain protein 1B isoform C; Homo sapiens F-box and WD
HSAP0406S00017265	NM_012363	OR1N1; olfactory receptor, family 1, subfamily N, member 1; Homo sapiens olfactory rec
HSAP0406S00019615	NM_013250	ZNF215; zinc finger protein 215; Homo sapiens zinc finger protein 215 (ZNF215), mRNA
HSAP0406S00022240	NM_014033	DKFZP586A0522; DKFZP586A0522 protein; Homo sapiens DKFZP586A0522 protein (L
HSAP0406S00022449	NM_014182	ORMDL2; ORMDL2; Homo sapiens ORM1-like 2 (S. cerevisiae) (ORMDL2), mRNA.
HSAP0406S00017255	NM_014368	LHX6; LIM homeobox protein 6 isoform 1; Homo sapiens LIM homeobox 6 (LHX6), trans
HSAP0406S00022397	NM_014620	HOXC4; homeo box C4; Homo sapiens homeo box C4 (HOXC4), transcript variant 1, m
HSAP0406S00006891	NM_014703	VprBP; Vpr-binding protein; Homo sapiens Vpr-binding protein (VprBP), mRNA.
HSAP0406S00027396	NM_015369	TP53TG3; TP53TG3 protein; Homo sapiens TP53TG3 protein (TP53TG3), mRNA.
HSAP0406S00014139	NM_015379	BRI3; brain protein I3; Homo sapiens brain protein I3 (BRI3), mRNA.
HSAP0406S00002849	NM_015569	DNM3; dynamin 3; Homo sapiens dynamin 3 (DNM3), mRNA.
HSAP0406S00028452	NM_015670	SEN3; SUMO1/sentrin/SMT3 specific protease 3; Homo sapiens SUMO1/sentrin/SMT3
HSAP0406S00008878	NM_017426	NUP54; nucleoporin 54kDa; Homo sapiens nucleoporin 54kDa (NUP54), mRNA.
HSAP0406S00018962	NM_017787	C10orf26; chromosome 10 open reading frame 26; Homo sapiens chromosome 10 oper
HSAP0406S00002210	NM_017860	FLJ20519; hypothetical protein FLJ20519; Homo sapiens hypothetical protein FLJ20519
HSAP0406S00000858	NM_018045	FLJ10276; hypothetical protein FLJ10276; Homo sapiens hypothetical protein FLJ10276
HSAP0406S00015275	NM_018091	ELP3; elongation protein 3 homolog; Homo sapiens elongation protein 3 homolog (S. ce
HSAP0406S00008573	NM_018302	FLJ11017; hypothetical protein FLJ11017; Homo sapiens hypothetical protein FLJ11017
HSAP0406S00007422	NM_019069	WDR5B; WD repeat domain 5B; Homo sapiens WD repeat domain 5B (WDR5B), mRNA
HSAP0406S00002824	NM_020423	PACE-1; ezrin-binding partner PACE-1 isoform 1; Homo sapiens ezrin-binding partner P
HSAP0406S00004981	NM_020548	DBI; diazepam binding inhibitor; Homo sapiens diazepam binding inhibitor (GABA recep
HSAP0406S00031517	NM_020714	ZNF490; zinc finger protein 490; Homo sapiens zinc finger protein 490 (ZNF490), mRNA
HSAP0406S00019029	NM_020918	GPAM; mitochondrial glycerol 3-phosphate acyltransferase; Homo sapiens glycerol-3-ph
HSAP0406S00024365	NM_021249	SNX6; sorting nexin 6 isoform a; Homo sapiens sorting nexin 6 (SNX6), transcript varian
HSAP0406S00002184	NM_021960	MCL1; myeloid cell leukemia sequence 1 isoform 1; Homo sapiens myeloid cell leukemia
HSAP0406S00033175	NM_022103	FLJ14011; hypothetical zinc finger protein FLJ14011; Homo sapiens hypothetical zinc fir
HSAP0406S00004077	NM_022128	RBKS; ribokinase; Homo sapiens ribokinase (RBKS), mRNA.
HSAP0406S00004077	NM_022128	RBKS; ribokinase; Homo sapiens ribokinase (RBKS), mRNA.
HSAP0406S00018439	NM_022146	GPR147; G protein-coupled receptor 147; Homo sapiens G protein-coupled receptor 14
HSAP0406S00031690	NM_024104	MGC2747; hypothetical protein MGC2747; Homo sapiens hypothetical protein MGC274
HSAP0406S00011584	NM_024493	ZNF306; zinc finger protein 306; Homo sapiens zinc finger protein 306 (ZNF306), mRNA
HSAP0406S00014513	NM_024523	GCC1; Golgi coiled-coil protein 1; Homo sapiens GRIP and coiled-coil domain containi
HSAP0406S00027757	NM_030579	CYB5-M; cytochrome b5 outer mitochondrial membrane precursor; Homo sapiens cyto
HSAP0406S00005041	NM_031445	MGC4268; hypothetical protein MGC4268; Homo sapiens hypothetical protein MGC426
HSAP0406S00014346	NM_031905	SVH; SVH protein; Homo sapiens SVH protein (SVH), mRNA.
HSAP0406S00021241	NM_032046	MSP; mosaic serine protease; Homo sapiens mosaic serine protease (MSP), mRNA.
HSAP0406S00029092	NM_032192	PPP1R1B; protein phosphatase 1, regulatory (inhibitor) subunit 1B; Homo sapiens prote

HSAP0406S00004896	NM_032260	RANBP2L1; RAN-binding protein 2-like 1 isoform 2; Homo sapiens RAN binding protein
HSAP0406S00031222	NM_032306	SPATA11; spermatogenesis associated 11; Homo sapiens spermatogenesis associated
HSAP0406S00029156	NM_033185	KRTAP3-3; keratin associated protein 3-3; Homo sapiens keratin associated protein 3-3
HSAP0406S00010369	NM_053000	TIGA1; TIGA1; Homo sapiens TIGA1 (TIGA1), mRNA.
HSAP0406S00011916	NM_080564	VPS52; suppressor of actin mutations 2-like isoform a; Homo sapiens vacuolar protein s
HSAP0406S00034844	NM_080926	LOC96610; hypothetical protein similar to KIAA0187 gene product; Homo sapiens hypot
HSAP0406S00015486	NM_138969	RDH-E2; retinal short chain dehydrogenase reductase; Homo sapiens retinal short chair
HSAP0406S00014345	NM_145032	FBXL13; F-box and leucine-rich repeat protein 13; Homo sapiens F-box and leucine-rich
HSAP0406S00018345	NM_145307	PLEKHK1; pleckstrin homology domain containing, family K member 1; Homo sapiens p
HSAP0406S00016503	NM_147202	C9orf25; chromosome 9 open reading frame 25 protein; Homo sapiens chromosome 9 c
HSAP0406S00015670	NM_152418	FLJ35775; hypothetical protein FLJ35775; Homo sapiens hypothetical protein FLJ35775
HSAP0406S00010379	NM_152624	DCP2; decapping enzyme hDcp2; Homo sapiens decapping enzyme hDcp2 (DCP2), mF
HSAP0406S00014384	NM_152750	FLJ23834; hypothetical protein FLJ23834; Homo sapiens hypothetical protein FLJ23834
HSAP0406S00022975	NM_152772	MGC40368; hypothetical protein MGC40368; Homo sapiens hypothetical protein MGC4
HSAP0406S00031518	NM_153358	FLJ90396; hypothetical protein FLJ90396; Homo sapiens hypothetical protein FLJ90396
HSAP0406S00027645	NM_153425	TRADD; TNFRSF1A-associated via death domain isoform 2; Homo sapiens TNFRSF1A
HSAP0406S00034900	NM_153615	Rgr; Ral-GDS related protein Rgr; Homo sapiens Ral-GDS related protein Rgr (Rgr), mF
HSAP0406S00022393	NM_153693	HOXC6; homeo box C6 isoform 2; Homo sapiens homeo box C6 (HOXC6), transcript va
HSAP0406S00022393	NM_153693	HOXC6; homeo box C6 isoform 2; Homo sapiens homeo box C6 (HOXC6), transcript va
HSAP0406S00019856	NM_170735	BDNF; brain-derived neurotrophic factor isoform a preproprotein; Homo sapiens brain-d
HSAP0406S00036487	NM_173571	LOC255313; hypothetical protein LOC255313; Homo sapiens hypothetical protein LOC2
HSAP0406S00037017	NM_173714	MTND6; NADH dehydrogenase 6; Homo sapiens NADH dehydrogenase 6 (MTND6), mI
HSAP0406S00010322	NM_175920	FLJ39485; hypothetical protein FLJ39485; Homo sapiens hypothetical protein FLJ39485
HSAP0406S00003106	NM_178275	DKFZp434B1231; eEF1A2 binding protein; Homo sapiens eEF1A2 binding protein (DKF
HSAP0406S00006497	NM_178339	APRG1; AP20 region protein isoform B; Homo sapiens AP20 region protein (APRG1), tr
HSAP0406S00000865	NM_178547	ARCH; archease; Homo sapiens archease (ARCH), mRNA.
HSAP0406S00001108	NM_182518	LOC149469; hypothetical protein LOC149469; Homo sapiens hypothetical protein LOC1
HSAP0406S00026455	NM_183376	ARRDC4; arrestin domain containing 4; Homo sapiens arrestin domain containing 4 (AR
HSAP0406S00019697	NM_198516	GALNTL4; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltra
HSAP0406S00004079	NM_199193	BRE; brain and reproductive organ-expressed (TNFRSF1A modulator) isoform 3; Homo
HSAP0406S00027922	NM_199355	ADAMTS18; a disintegrin-like and metalloprotease (repolysin type) with thrombospondi
HSAP0406S00016306	NM_203403	C9orf150; chromosome 9 open reading frame 150; Homo sapiens chromosome 9 open
HSAP0406S00011228	NM_206880	OR2V2; olfactory receptor, family 2, subfamily V, member 2; Homo sapiens olfactory rec
HSAP0406S00033317	NM_207469	UNQ827; KFL827; Homo sapiens KFL827 (UNQ827), mRNA.
HSAP0406S00024413	U59479	N/A; neutrophil protein; Human neutrophil protein mRNA, partial cds.
HSAP0406S00020486	U60873	N/A; orf1 protein; Human clone 137308 mRNA, partial cds.
HSAP0406S00019403	X74954	MUC5B; mucin; H.sapiens MUC5B mRNA (clone JER28) for mucin (partial).
HSAP0406S00006652	X95583	N/A; MCP-1 receptor; H.sapiens mRNA for monocyte chemotactic protein-1 (MCP-1) rec
HSAP0406S00026769	Y14442	olfmf; olfactory receptor protein; Homo sapiens mRNA for olfactory receptor protein, par

**Supplementary Table 5.** Subset of highly enriched AR binding sites used for NestedMICA sequence analysis.

**AR-SELEX**

(SELEX PWM)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
G	7	22	1	0	0	8	2	2	9	1	24	0	1	1	1
A	16	0	12	21	0	15	4	5	6	3	0	4	11	1	3
T	0	2	5	1	0	1	9	6	0	15	0	20	7	0	4
C	1	0	6	2	24	0	9	11	9	5	0	0	5	22	16

CONSENSUS

A G A A C A n n n T G T A C C  
Y H V

**AR-IR-INVIVO**

(from 9 genomic IR seq)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	6	2	2	9	0	3	1	0	3	0	0	0	0	0	0
G	2	6	0	0	1	2	1	5	0	1	9	0	0	0	0
T	1	1	4	0	0	4	5	1	1	8	0	9	9	0	6
C	0	0	3	0	8	0	1	2	4	0	0	0	0	9	3

CONSENSUS

A G H A C D n n n T G T T C Y  
T G M

**AR-DR-INVIVO**

(from 5 genomic DR seq)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	2	0	1	1	0	2	0	0	0	3	0	0	1	0	1
G	2	5	1	0	0	0	1	1	2	0	5	0	0	0	0
T	1	0	1	4	0	3	3	1	0	2	0	4	4	0	3
C	0	0	2	0	5	0	1	2	3	0	0	1	0	5	1

CONSENSUS

D G N T C W n n n W G T T C H  
T B S

**motif\_2 - AR ChIP-chip NetsedMICA enriched 6mer**

	1	2	3	4	5	6
G	0.013	0.955	0.005	0.017	0.337	0.17
A	0.976	0.007	0.93	0.962	0.152	0.014
T	0.008	0.032	0.043	0.011	0.008	0.019
C	0.003	0.006	0.022	0.01	0.503	0.798

CONSENSUS

A G A A C C  
S

**ETS1-SELEX**

SELEX PWM

	1	2	3	4	5	6	7	8	9	10	11	12	13
G	9	6	4	6	1	40	40	0	0	15	1	7	7
A	9	9	19	10	13	0	0	40	23	15	10	9	12
T	4	9	9	2	5	0	0	0	17	4	20	15	7
C	11	11	4	20	21	0	0	0	0	5	8	5	9

CONSENSUS

n n A C M G G A W R T n n

**motif\_9 - ETS-like NetsedMICA enriched 6mer**

	1	2	3	4	5	6
G	0.811	0.005	0.006	0.003	0.008	0.181
A	0.107	0.009	0.137	0.035	0.019	0.012
T	0.045	0.538	0.853	0.957	0.007	0.011
C	0.036	0.448	0.004	0.005	0.965	0.796

CONSENSUS

G Y T T C C

**Supplementary Table 6.** Position Weight Matrices used in sequence analysis of AR enriched genomic sequences.

Primer_Name	Sequence (5'-3')
KLK3-qChIP-F	CCTGTTTCTGTTTCATCC
KLK3-qChIP-R	CTAGCACTTGCTGTTCTG
UNQ9419-qChIP-F	GCAGAACATAGGTATTATGA
UNQ9419-qChIP-R	TTAACAACCTAGGGCCTGAC
PRAME-qChIP-F	AGGCTGGTACTGAAAGTTA
PRAME-qChIP-R	ACTCCGTGAAGATGTGTG
KLK2-qChIP-F	GCTTGTTCCCTAGATCA
KLK2-qChIP-R	ACTTGCTGTTCCACACAT
ZNF552-qChIP-F	TAAAGAGCTGCAGAGTCA
ZNF552-qChIP-R	TTTAGTAGCGACCATTTTC
MT1X-qChIP-F	GAGTGTCACATCCTCTGC
MT1X-qChIP-R	CCACTGTGTGTAGCTTTG
ZNF569-qChIP-F	TATATTCTCGTGGCTGTT
ZNF569-qChIP-R	CTGTCACTCACAATCG
ZWINT-qChIP-F	TCAGGAACCTAAGACGG
ZWINT-qChIP-R	GCAGCCCTAGAGTAAGTG
ADAMTS18-qChIP-F	GAATCTGATTGGATAGCTC
ADAMTS18-qChIP-R	TGTATGTATGCGTGTGTGT
ADRB2-qChIP-F	ATTATCAGTGCTCGGGTGAGGCAA
ADRB2-qChIP-R	CGGCCAGAAACAAACAGAAAGCA
ATM-qChIP-F	TGATACTACTTTGACCTTCC
ATM-qChIP-R	AAGATGGAGTGAGGAGAGG
CCNG2-qChIP-F	TCCAAGACTGATAAGTTAGC
CCNG2-qChIP-R	TCGTTTCTGGTCTCATTAC
CDK3-qChIP-F	GGAGGACGTGTTGACAC
CDK3-qChIP-R	CTCCTGCTTGACAGTCTCT
CITED2-qChIP-F	TGTACAAACTTGCAGAGCCTCCCT
CITED2-qChIP-R	TTCCAGCAAGAGCAGCCTTACTCA
DBI-qChIP-F	ATTCACCCGCTTTGTTCACTGCTG
DBI-qChIP-R	GTGCATTTCTCCATCTGGTGCGTT
DNAH5-qChIP-F	ACACTTAAGGTTGGTCTTGT
DNAH5-qChIP-R	GATATGGACCAAGTGAATCT
EYA2-qChIP-F	CCTACTAAGTCTGGATAGCA
EYA2-qChIP-R	TGCTACTCCTTCACTAATTG
FXYD3-qChIP-F	ACTCCAGGATGGAATTCT
FXYD3-qChIP-R	AATGCACACATAGGAAGTC
HARSL-qChIP-F	CCTACAGGAATGATATTACC
HARSL-qChIP-R	GAGTGACAGATGGATAGCTC
HOXA13-qChIP-F	TGGAGGCTTGGACTGCATTAGGA
HOXA13-qChIP-R	AAGCGTTGTTACCAGGTCAGAGCA
HOXC6-qChIP-F	TGCTTGAAGCTTTCTTTCGCCTGG
HOXC6-qChIP-R	TGCGATGCATTTGTGTAGCGTGTG
MB-qChIP-F	CACTCTCTCACCTGCTCTAC
MB-qChIP-R	AAGGTCACCGACTGTCTT
PEX6-qChIP-F	ATTGATCTGCGTCGTCCTCGATA
PEX6-qChIP-R	AAACTGTTACGTTTCATGCCACGGG
RNASE4-qChIP-F	GTCTCTGGTTAAGGATGTCT
RNASE4-qChIP-R	GGATGACCACACATTAAGTA
SDHD-qChIP-F	CTTATATACCTGGCACCTG
SDHD-qChIP-R	TCGGAGGTCTGTACACTG
SP1-qChIP-F	GTCTAACTCCAATCATAACG
SP1-qChIP-R	TGATAGGAATGACAGAACAA
B-actin-q-F	GTTTGAGACCTTCAACACCC
B-actin-q-R	ATGTACACGACGATTTCCTC
PSA-qRT-F	GCAGCATTGAACCAGAGGAG
PSA-qRT-R	AGAACTGGGGAGGCTTGAGT
KLK2-qRT-F	ATGTGTGCTAGAGCTTACTC
KLK2-qRT-R	AAGTGGACCCCCAGAATCAC
PRAME-qRT-F	CAGGCTCTCTATGTGGAC
PRAME-qRT-R	AGGACACTTAGCTGACTGAC
UNQ9419-qRT-F	GCATCTTCTGTTCCCTCTG
UNQ9419-qRT-R	AGTAGAACTGAGTCACCG

**Supplementary Table 7.** Primers used for Realtime quantitative ChIP qPCR and qrtPCR.