Appendix

1. Assessing the significance of the observed differences in response between treatment and control samples, for each gene.

In a single experiment, with observations $x_1, x_2, \ldots, x_k$ from the treatment group and $y_1, y_2, \ldots, y_l$ from the control group, a standard procedure for testing the significance of a difference in response is to compute a t–statistic ("Student", 1908). Assuming a common variance for the x– and y–observations, the statistic can be expressed as

$$t = \sqrt{\frac{kl}{k+l}} \left\{ \frac{\bar{x} - \bar{y}}{\hat{\sigma}} \right\},$$

where

$$\bar{x} = k^{-1} \sum_{j=1}^{k} x_j, \qquad \bar{y} = l^{-1} \sum_{j=1}^{l} y_j$$

and

$$\hat{\sigma}^2 = \frac{1}{k+l-2} \left\{ \sum_{j=1}^{k} (x_j - \bar{x})^2 + \sum_{j=1}^{l} (y_j - \bar{y})^2 \right\}.$$

The value of t is then compared to the t–distribution t_{k+l-2} with $k + l - 2$ degrees of freedom, and is considered 'significant' if unusually large in absolute value.

False positives can occur either because (by chance) the x–observations are on average rather larger (or smaller) than the y–observations, or because (by chance) both the x–observations and the y–observations are tightly grouped. Thus, in the extreme case in which all k of the x–values were equal and all l of the y–values were equal, $\hat{\sigma}$ would take the value 0, and any difference between $\bar{x}$ and $\bar{y}$ would be judged to be significant, because then $|t| = \infty$. When screening large numbers of experiments for significant treatment effects by using $\bar{x} - \bar{y}$ as a measure of the difference in response, false positives of the first variety are an unavoidable fact of life, but those of the second variety can be reduced when the individual experiments are all of experimentally similar nature, as is the case in microarray analyses.

Suppose, then, that the overall experiment consists of N similar sub-experiments, the i'th of which yields observations $x_{i1}, x_{i2}, \ldots, x_{ik_i}$ and $y_{i1}, y_{i2}, \ldots, y_{il_i}$. The idea is to suppose that there is some weak similarity between the random components of the observations in the different sub-experiments, inasmuch as the variances $\sigma_1^2, \sigma_2^2, \ldots, \sigma_N^2$ underlying the data obtained in the N sub-experiments are 'comparable'; in the sense that they can be well described as a random sample from some probability distribution, taken independently of the mean values. Note that this already implies that the data may need to be pre-transformed, if a relationship between mean and variance is apparent; we use an appropriately chosen power transformation to achieve this. Then information about the distribution of the variances, derived from all N sub-experiments, can be used in making the estimate of the variance appropriate to each individual sub-experiment, reducing the occurrence of false positives arising from inaccurately estimating the σ_i^2's.

We therefore use a Bayesian analogue of the two sample t–test in each of the N sub-experiments, derived on the basis of the assumptions that:

A1. The values of μ_i (the sample weighted average of the mean of an observation), δ_i (a measure of the treatment effect, equal to 0 if there is none) and σ_i^2 are sampled independently, μ_i and δ_i from the flat, 'uninformative' improper prior density, and mv/σ_i^2 from the chi-squared χ_m^2 distribution, where the model parameters m and v are to be estimated; the larger the value of m, the more concentrated is the distribution of σ_i^2 around the value v.

A2. Conditional on the values of μ_i, δ_i and σ_i^2, $x_{i1}, x_{i2}, \ldots, x_{ik_i}$ is a random sample of size k_i from the Normal distribution with mean $\mu_i + \delta_i/k_i$ and variance σ_i^2, and $y_{i1}, y_{i2}, \ldots, y_{il_i}$ is an independent random sample of size l_i from the Normal distribution with mean $\mu_i - \delta_i/l_i$ and variance σ_i^2; we suppose that both k_i and l_i are at least 2.

Then, if the parameters m and v are known, the procedure is standard. The normal likelihood coupled with the choice of 'conjugate' prior distribution leads, after integrating out the parameters μ_i and σ_i^2, to a t–distribution t_{ν_i} for $(\delta_i - \Delta_i)/C_i$, where

$$\nu_i = k_i + l_i + m - 2, \qquad \Delta_i = \left\{ \frac{k_i l_i}{k_i + l_i} \right\} (\bar{x}_i - \bar{y}_i)$$

and

$$C_i^2 = \frac{k_i l_i}{k_i + l_i} \frac{s_i^2}{\nu_i},$$

with

$$s_i^2 = s_{xi}^2 + s_{yi}^2 + mv$$

and

$$s_{xi}^2 = \sum_{j=1}^{k_i} (x_{ij} - \bar{x}_i)^2; \qquad s_{yi}^2 = \sum_{j=1}^{l_i} (y_{ij} - \bar{y}_i)^2.$$

Hence δ_i can be considered to be 'significantly' different from 0 if the value of $|\Delta_i|/C_i$ is unusually large by comparison with the t_{ν_i} distribution.

Note that, if $m = 0$, this procedure results in the usual two sample t–statistic. The information about the distribution of the variances σ_i^2 derived from all N sub-experiments is seen to be formally equivalent to having m further observations, which contribute a total of mv to the residual sum of squares, thus in effect 'shrinking' the raw estimate of σ_i^2 towards v; the larger the value of m, the more pronounced the shrinkage. Note also that m need not be an integer.

To estimate suitable values of m and v, we use the observed values s_{xi}^2 and s_{yi}^2, $1 \le i \le N$. If mv/σ_i^2 has the χ_m^2 distribution, and if $k_i = k$ is constant in i, it follows that the s_{xi}^2 are then a random sample from the distribution whose probability density function is

$$f(y) = c(m,k)(mv)^{m/2} y^{(k-3)/2} / (mv + y)^{(m+k-1)/2}$$

in $y > 0$, where the constant $c(m,k)$ is such that f integrates to 1; and similarly for the s_{yi}^2 values, if $l_i = l$ is constant in i. Thus, in particular, if, as in many of our experiments, $k = l = 3$, it follows that the sums of squares are sampled from the distribution giving probability

$$F(a,b) = \int_a^b f(y)\,dy = \left\{1 + \frac{a}{mv}\right\}^{-m/2} - \left\{1 + \frac{b}{mv}\right\}^{-m/2}$$

to any interval $[a,b)$, for $0 \le a < b \le \infty$. This allows m and v to be estimated, for instance by choosing them to best fit the probabilities of s intervals $(a_0,a_1),(a_1,a_2),\ldots,(a_{s-1},a_s)$, where $0 = a_0 < a_1 < \cdots < a_s = \infty$ are appropriately chosen, to the relative frequencies with which the s_{xi}^2 values actually belong to these intervals, by using a minimum chi-squared criterion. The model fit was typically found to be very good; Supplementary Figure 1 shows the superposition of the function $F(t,\infty)$ and the cumulative curve $S_x(t)$ defined by

$$S_x(t) = \frac{1}{N}\,\#\{i : s_{xi}^2 > t\}$$

for the dmyc48 treatment data.

In some of our experiments, other values of k and l were encountered. Theoretically, procedures such as maximum likelihood could be used to estimate m and v, though the log-likelihood functions are not particularly amenable. Instead, in order to maintain the simplicity of the above approach, which can be accomplished using a spread sheet, we preferred to use the fact that, if $m + k > 3$, then

$$\begin{aligned}\int_{a_j}^{a_{j+1}} & y^{-(k-3)/2} f(y)\,dy \\ &= c(m,k)(mv)^{-(k-3)/2}\left(\left\{1 + \frac{a_j}{mv}\right\}^{-(m+k-3)/2} - \left\{1 + \frac{a_{j+1}}{mv}\right\}^{-(m+k-3)/2}\right),\end{aligned}$$

or, equivalently,

$$\frac{\int_{a_j}^{a_{j+1}} y^{-(k-3)/2} f(y)\,dy}{\int_0^\infty y^{-(k-3)/2} f(y)\,dy} = \left\{1+\frac{a_j}{mv}\right\}^{-(m+k-3)/2} - \left\{1+\frac{a_{j+1}}{mv}\right\}^{-(m+k-3)/2}.$$

These theoretical values can then be fitted in similar fashion, by choice of m and v, to the s empirical weighted frequencies

$$\frac{\sum_{i:a_j \le s_{xi}^2 < a_{j+1}} (s_{xi}^2)^{-(k-3)/2}}{\sum_{i=1}^{N} (s_{xi}^2)^{-(k-3)/2}}, \qquad 0 \le j \le s-1.$$

In our application, we only needed this variant for $k = l = 2$.

The analysis leading to the Bayesian t–test was made on the assumption of having a common variance for the x– and y–values within each sub-experiment. We actually used the above estimation procedure separately for the s_{xi}^2's and the s_{yi}^2's, and found that whereas the m-values so obtained were reasonably similar, the values v_x and v_y were at times substantially different. We therefore modified our procedure to accomodate this, taking v to be the average of v_x and v_y, and using a Bayesian t–test for variances known to be in a given proportion: Assumption A1 remains as before, with m also taken to be the average of m_x and m_y, and A2 is replaced by the assumption

A2′. Conditional on the values of μ_i, δ_i and σ_i^2, $x_{i1}, x_{i2}, \ldots, x_{ik_i}$ is a random sample of size k_i from the Normal distribution with mean $\mu_i + \alpha_x \delta_i / k_i$ and variance $\alpha_x \sigma_i^2$, and $y_{i1}, y_{i2}, \ldots, y_{il_i}$ is an independent random sample of size l_i from the Normal distribution with mean $\mu_i - \alpha_y \delta_i / l_i$ and variance $\alpha_y \sigma_i^2$;

we take $\alpha_x = v_x/v$ and $\alpha_y = v_y/v$. This has the effect of changing some of the formulae defining the test statistic slightly: we now have

$$\Delta_i = \frac{k_i l_i}{\alpha_x l_i + \alpha_y k_i}(\bar{x}_i - \bar{y}_i), \quad C_i^2 = \frac{k_i l_i}{\alpha_x l_i + \alpha_y k_i}\,\frac{s_i^2}{\nu_i}$$

and

$$s_i^2 = \frac{s_{xi}^2}{\alpha_x} + \frac{s_{yi}^2}{\alpha_y} + mv;$$

the degrees of freedom ν_i remain unchanged. The fits to the empirical s_{xi}^2 and s_{yi}^2 distributions obtained under these assumptions are illustrated by the superposition of $S_x(\alpha_x t)$, $S_y(\alpha_y t)$ and $F(t, \infty)$ for the dmyc48 treatment and control data in Supplementary Figure 2.

To check the assumption that the ratio $\sigma_{xi}^2/\sigma_{yi}^2$ of the true variances has the same value α_x/α_y for each i, we computed the sample variance of z_i, $1 \le i \le N$, where $z_i =$

$\log_e s_{xi}^2 - \log_e s_{yi}^2$. Under the assumption that the ratio is fixed, and if $k = 3$, the z_i's are a random sample from a translate of the difference of two independent random variables with Gumbel distributions, and thus have underlying variance $2\pi^2/8 \approx 2.5$. We obtained values of around 3.5 for these sample variances, indicating that a model with variances σ_{xi}^2 and σ_{yi}^2 sampled *independently* as in Assumption A.1 might better fit the data. The consequences for our procedure would only be to replace each s_i^2/ν_i by a value 'shrunk' somewhat closer to v, and would not materially affect our choices of interesting genes.

2. *Estimating the conservation probability of a given 6-mer.*

The model is as follows. For any given gene, there is a probability f that the 6-mer under consideration is essential to its functioning, in which case it will appear in the immediate upstream region in both species. With probability $1 - f$, its appearance is by chance; the conditional probability of it appearing in both species is then pp', where p is the probability that the 6-mer appears by chance in a given species, and p' is the conditional probability that it then appears in the other species also. The value of p' could lie anywhere between p and 1, the smaller values corresponding to longer periods of evolutionary divergence between the two species. Thus the probability of the 6-mer appearing in both species is $f + (1 - f)pp'$, and in just one of them is $(1 - f)2p(1 - p')$.

The conservation probability p_c itself is here defined to be the probability that the 6-mer appears in the second species, given that it appears in the first: thus

$$p_c = \frac{f + (1 - f)pp'}{f + (1 - f)p}.$$

This can be rewritten as

$$\begin{aligned} p_c &= \frac{f + (1 - f)pp'}{f + (1 - f)pp' + (1 - f)p(1 - p')} \\ &= \frac{1}{1 + (1 - q)/2q} = \frac{2q}{1 + q}, \end{aligned}$$

where q is the probability that the 6-mer appears in both species, given that it appears in at least one of them. If b denotes the number of genes in which the 6-mer appears in both species, and T denotes the total number in which it appears in at least one species, then q is naturally estimated by b/T; however, to protect against chance overestimates, we prefer to use the conservative estimate

$$\hat{q} = \frac{1}{T + 1} \left\{ b + 2 - 2\sqrt{1 + b(1 - b/T)} \right\},$$

which is about two standard deviations smaller if both b and T are moderately large, giving

$$\hat{p}_c = \frac{2\left\{b + 2 - 2\sqrt{1 + b(1 - b/T)}\right\}}{T + b + 3 - 2\sqrt{1 + b(1 - b/T)}}\,.$$

3. Tree-based classification.

We used a tree-based classification algorithm, CART [Breiman *et al.* (1984); Venables & Ripley (2002, pp. 251–266)], to detect 6-mers that appear more often immediately upstream of genes influenced by Myc than immediately upstream of genes uninfluenced by Myc. The presence or absence of each of the $4^6 = 4'096$ possible 6-mers was used as covariate information, on the basis of which each gene was to be classified as influenced or uninfluenced by Myc. Algorithms such as CART are most effective if many classification rules can be constructed under slightly differing conditions, and the outcomes 'averaged' (Ripley 1996, pp. 65–66). Since the sets of genes influenced by Myc in the different experiments were relatively small (between 50 and 400) compared with those not influenced by Myc, we achieved this by comparing the set of influenced genes with randomly selected subsets of similar size drawn from the set of around $3'500$ uninfluenced genes. The 6-mer CACGTG was consistently present as the most informative predictor for being influenced by Myc. There was evidence also for the 8-mers CACGTGtt, CACGTGcg, aaCACGTG and cgCACGTG being particularly interesting.

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Supplementary Methods

Oligonucleotide sequences for in vitro *synthesis of dsRNA*

Each primer contained a 5' T7 RNA polymerase binding site (TAATACGACTCACTATAGGGAGA) followed by the sequences specific for the targeted genes. The specific primer sequences were as follows: *dmyc* forward: 5'-CCGGCTCTGATAG-3', reverse: 5'-TGCTCATCATGGA-3'; *gfp* forward: 5'-TGAGCAAGGGCGAGG-3', reverse: 5'-GCGGCGGTCACGAAC-3'; *cyclinE* forward: 5'-ACGCTGTTCTGGTCTGGATT-3', reverse: 5'-AAGCTGAGCGAGGAAAATGA-3'; *dmnt*: forward: 5'-CAGCGGGCAGTCCATC-3', reverse: 5'-GCCGTGGGCGTGATTA-3'.

Oligonucleotides for chromatin immunoprecipitation

Fragment "**E**" (+36 to +136); forward: 5' GGTCGTGCCGTACCGTATTC, reverse: 5' CGCTTAACTGGCTTCTTGCG. Fragment "**U**" (-1107 to -1022); forward: 5' CTCGAGCTCATTGTTCGCC; reverse: 5' GAAAACCTACTCCGACTGGCC.

Oligonucleotides used for in vitro mutagenesis of the nnp1*-promoter*

ΔE-box 5'-ACATCGAACGGC**AAGAATTCCG**GTCGTGCCGTAC-3'; *ΔFlank* 5'-ATCGAACGGC**CCCACGTGAT**GTCGTGCCG-3'; and *ΔE-40* 5'-GTCATTTTCAGT**AACACGTGCG**CATTTAGAGCTGTT-3'. The construct *ΔE-320* was made by the insertion of a DNA adaptor into *ΔE-box*, the adaptor was formed by hybridisation of the following oligo-sequences: 5'-CTAGC**AACACGTGCG**-3' and 5'-TCGAG**CGCACGTGTT**-3'. Sequences in bold contain (or replace, in the case of *ΔE-box*) the decameric E-box sequence.

Construction of the CG5033 andCG4364 reporters

Promoter sequences from -322 to +61 relative to the transcription start site of *CG5033* (E-box at +21, ATG at +56) and from -561 to +131 relative to the transcription start site of CG4364 (E-box at –421, ATG at +133), respectively, were fused to the firefly luciferase ORF. In the ΔE-box mutant, the sequence "CACGTG" was replaced by "GAATTC". The following oligonucleotides were used: CG5033-upstream: 5'-GTAGAGATCTGAATTTCGCTGAAAATGGTTCGTTG-3'; CG5033-downstream: 5'-ATGTTC**CAT**GGGGTCATTTTGAGGTA-3'; CG5033-ΔEbox: 5'-ATCGCTATCGCTGACTGCAA**GAATTC**CGCCGCGTTAGTTTTGTTTTTACC–3'; CG4364-upstream: 5'-CCCCAGATCTTCAAGAACACGACACAAG-3'; CG4364-downstream: 5'-CCAAC**CAT**GGTGCCGGTTTATGAAAATG-3'; the sequences printed in bold indicate the beginnings of the luciferase ORF and the mutated E-box, respectively.

Polytene chromosome staining

Salivary glands of wandering 3rd instar larvae were dissected in PBS and fixed in 3.7 % formaldehyde solution for 3 min. Squashing was performed in a solution containing 3.7 % formaldehyde and 45 % acetic acid, according to Ashburner (1989). Drosophila – a laboratory manual (Cold Spring Harbor Laboratory Press). Slides were blocked in PBS containing 5 % BSA and 30 % FCS. Primary antibodies rat monoclonal anti-HA (Roche Applied Science), or mouse monoclonal anti RNA Polymerase II phosphorylated on CTD-Serine 2 (Covance MMS-129R, clone H5) were diluted1:200 in blocking solution (5% BSA & 30% FCS in PBS) and incubated overnight at 4° C. Secondary antibodies Texas Red-conjugated anti- rat or FITC-conjugated anti mouse (Jackson ImmunoResearch Laboratories) were diluted 1:300 in blocking solution together with DAPI at 1 μg/ml for 2 h at room temperature. Fluorescence was visualized using a Zeiss Microscope.

Supplementary Legends

Supplementary Figures 1 and **2**. For description see mathematical appendix.

Supplementary Figure 3: Positions of E-boxes relative to transcription start sites in genes that are bound by dMyc in DamID assays (**bound**; Orian et al. 2003), up-regulated after dMyc over-expression *in vivo* in our experiments (**up**), and in different combinations of these two gene lists. The X-axis is labeled as in Fig. 3.

Supplementary Figure 4. Localization of dMyc and RNA Pol II(0) on larval polytene chromosomes. Chromosomes of control larvae (**A**) or larvae expressing HA-tagged dMyc in the fat body (**B**) were stained with antibodies against the HA-epitope (*green*), RNA PolII(0) (*red*) and with Hoechst 33258 to reveal DNA (*blue*). Arrows indicate some prominent sites of colocalization of dMyc and PolII(0) (*yellow*). Genotypes of the flies are: "*y w dpp*-GAL4/ +" (**A**) and "*y w*; UAS-HA-dMyc / *dpp*-GAL4". Magnification: 40 x.

Suplementary Figure 5. Normalized luciferase activities of dMyc target reporter constructs. Plasmids expressing the firefly luciferase ORF under the control of the wild-type or E-box deleted *CG5033* promoter (**A**) or the *CG4364* promoter (**B**) were co-transfected with *gfp* or *dmyc* double-stranded RNAs as indicated. Firefly luciferase activities were normalized to the co-transfected *Renilla* luciferase activities expressed under the control of the constitutive *tubulin* promoter. The experiments were carried out in triplicate (as described in Materials & Methods) and the error bars indicate the standard deviations.

Supplementary Figure 6. Distribution of consensus E-boxes amongst vertebrate Myc targets. A collection of 1697 potential Myc targets was obtained from the "c-Myc cancer gene" web page (http://www.myc-cancer-gene.org/; 2). The subsequent analysis was restricted to the 145 genes shown to be **activated** by c-Myc in **human** cells and whose status as **direct** Myc targets was supported by at least one line of evidence (gel shift, foot print, chromatin immunoprecipitation, ability to be activated by a MycER fusion protein in the presence of cycloheximide). To analyse the promoters of these genes, the sequences of 1871 human promoters (from –499 to +100 relative to the transcription start site) were obtained from the curated "eukaryotic promoter database (EPD)" at the Swiss

Institute for Bioinformatics (ISB/SIB, http://www.epd.isb-sib.ch/; 1); this list contained 68 of the 145 Myc target genes described above. Twenty-two of these 68 genes (35%) contained at least one consensus E-box (17 genes with1 E-box, 4 genes with 2 E-boxes, 1 gene with 3 E-boxes). For comparison, amongst 1526 human promoters from the EPD which have not (yet) been proposed to be Myc targets in any species, only 14% harbored a consensus E-box.

Supplementary Table 1: Number of genes with significantly altered expression in the different experimental situations. Gene lists are explained in Materials and Methods.

Supplementary Table 2: List of significant dMyc targets common to all three time points after *dmyc* RNAi. Columns labeled *6 h*, *12 h*, *48 h* show their expression ratios at the indicated time points, as determined by a comparison of *dmyc* RNAi microarrays with the corresponding *gfp* RNAi controls; all shown genes are down-regulated at all time points. *qRT-PCR*, expression ratios of selected genes as determined by quantitative real-time PCR of *dmyc* RNAi samples compared to *gfp* RNAi treated controls (averages and standard deviations of biologically independent triplicates). Column *E-box* shows position of E-boxes (where present) relative to transcription start site, in nucleotides. *Known* marks genes that have previously been identified as potential Myc targets in vertebrates (**V**) or *Drosophila* (**D**).

Supplementary Table 3: List of all genes that are significantly affected in any of the microarray experiments. *E-boxes*, positions of E-boxes relative to transcription start sites; **yellow** marks genes with an E-box between +1 and +100. *Affymetrix*, name of Affymetrix features corresponding to the indicated gene; wherever a single gene is represented by more than one Affymetrix feature, the 2nd and subsequent occurrences of the gene name are left blank. Column *R*, ratio of gene expression in the experiment versus control. Column *D* indicates direction of change – **U** is up-regulated, **D** is down-regulated, as compared to control. Column *S* indicates significant genes; **S**, differentially expressed with p<0.001. Genes are marked in color in the experiments where they are significantly affected and their expression ratio is > 1.5-fold; **green** fields indicate down-regulation, **red** fields up-regulation, as compared to control.

Supplementary References

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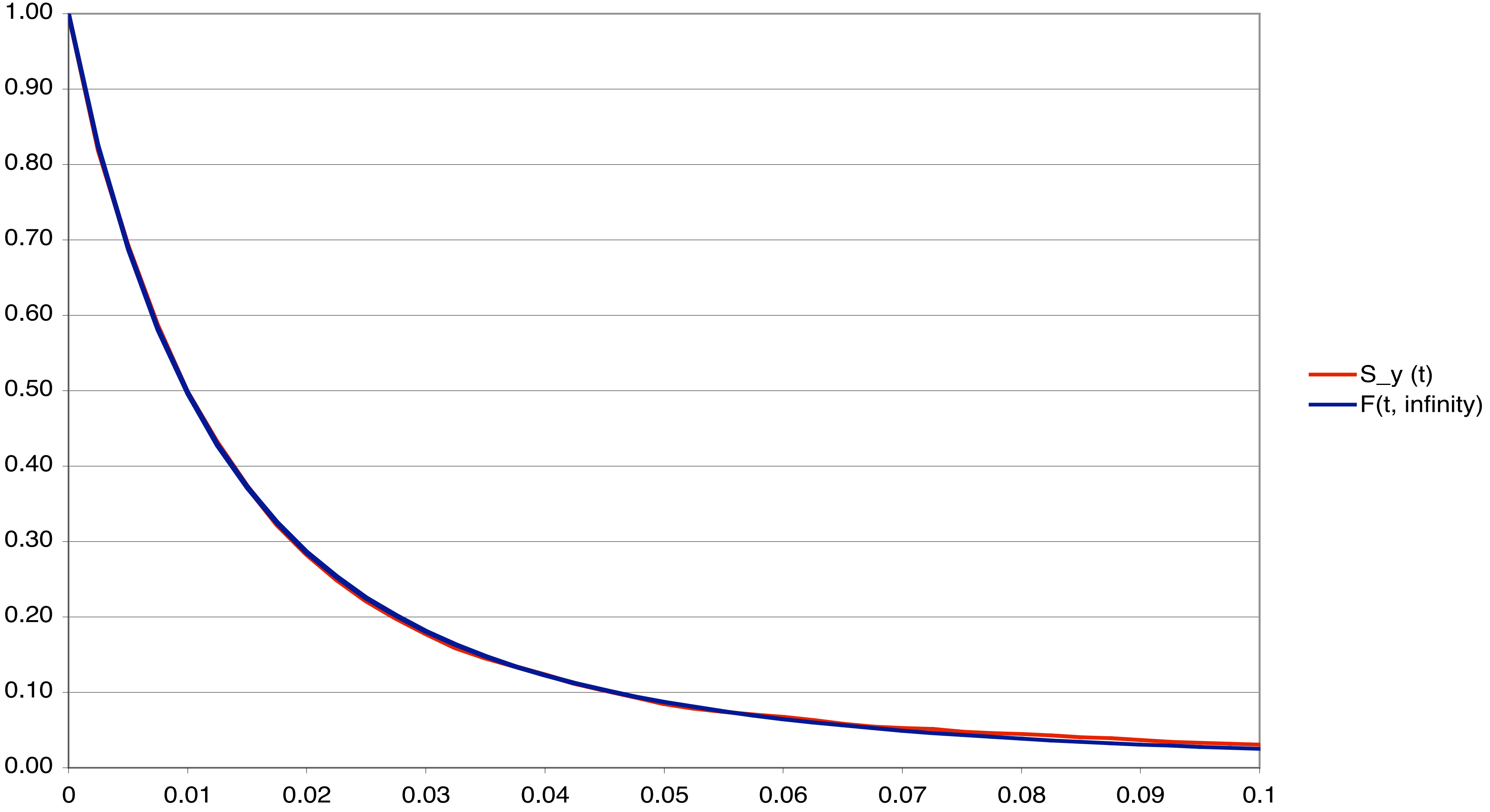
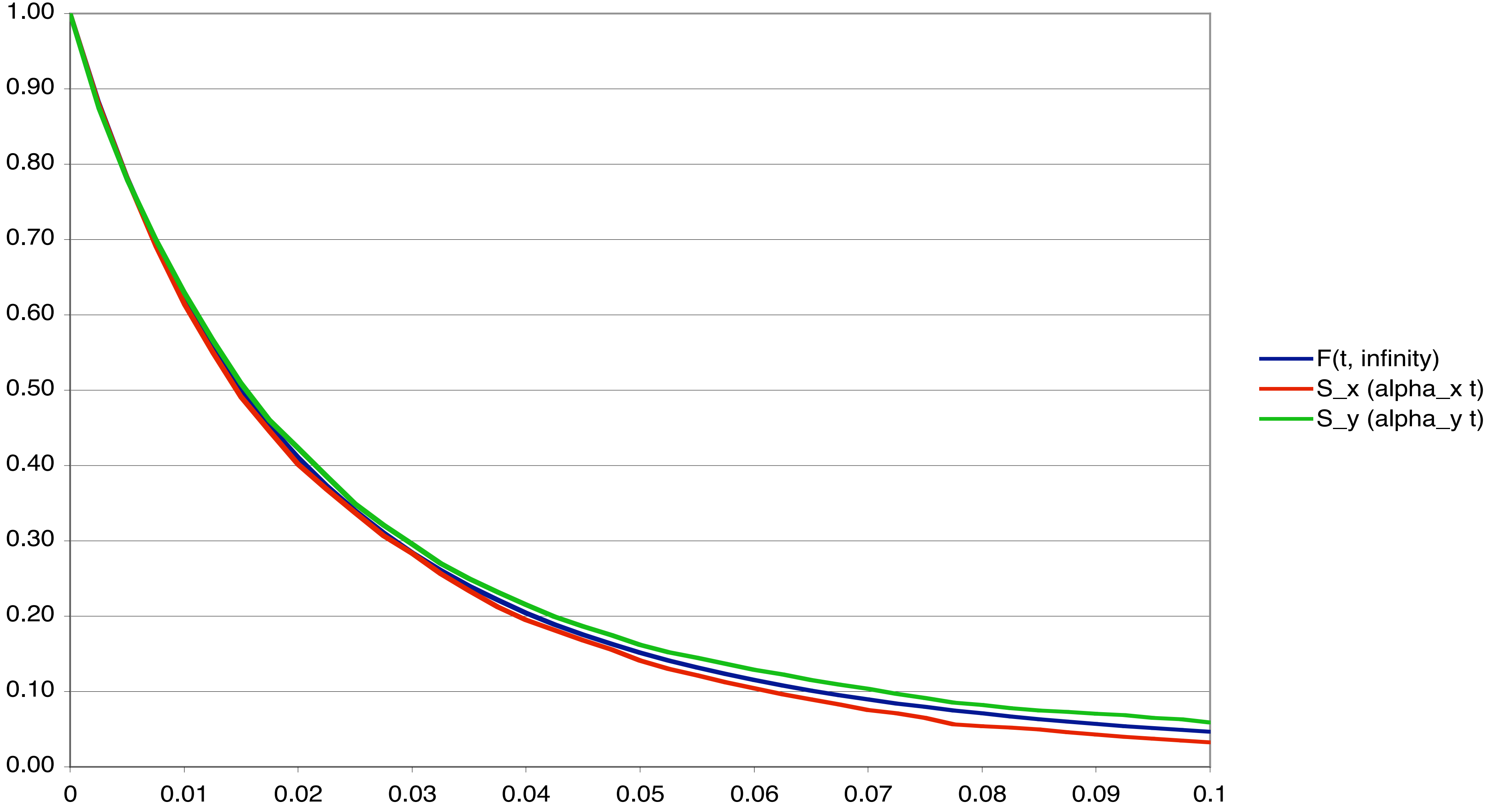
2. **Zeller, K. I., A. G. Jegga, B. J. Aronow, K. A. O'Donnell, and C. V. Dang.** 2003. An integrated database of genes responsive to the Myc oncogenic transcription factor: identification of direct genomic targets. Genome Biol **4:**R69.

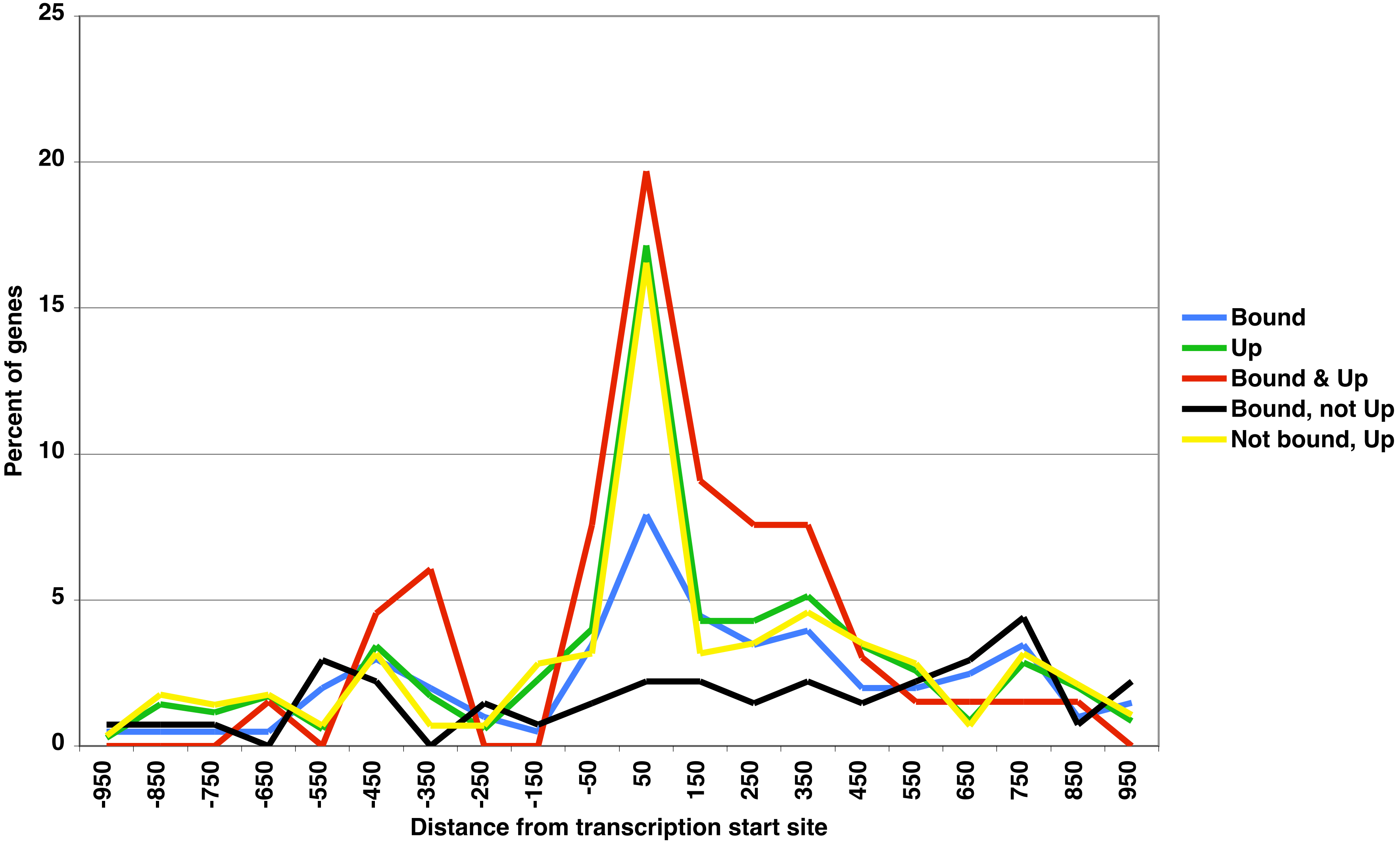
Supplementary Figure 1

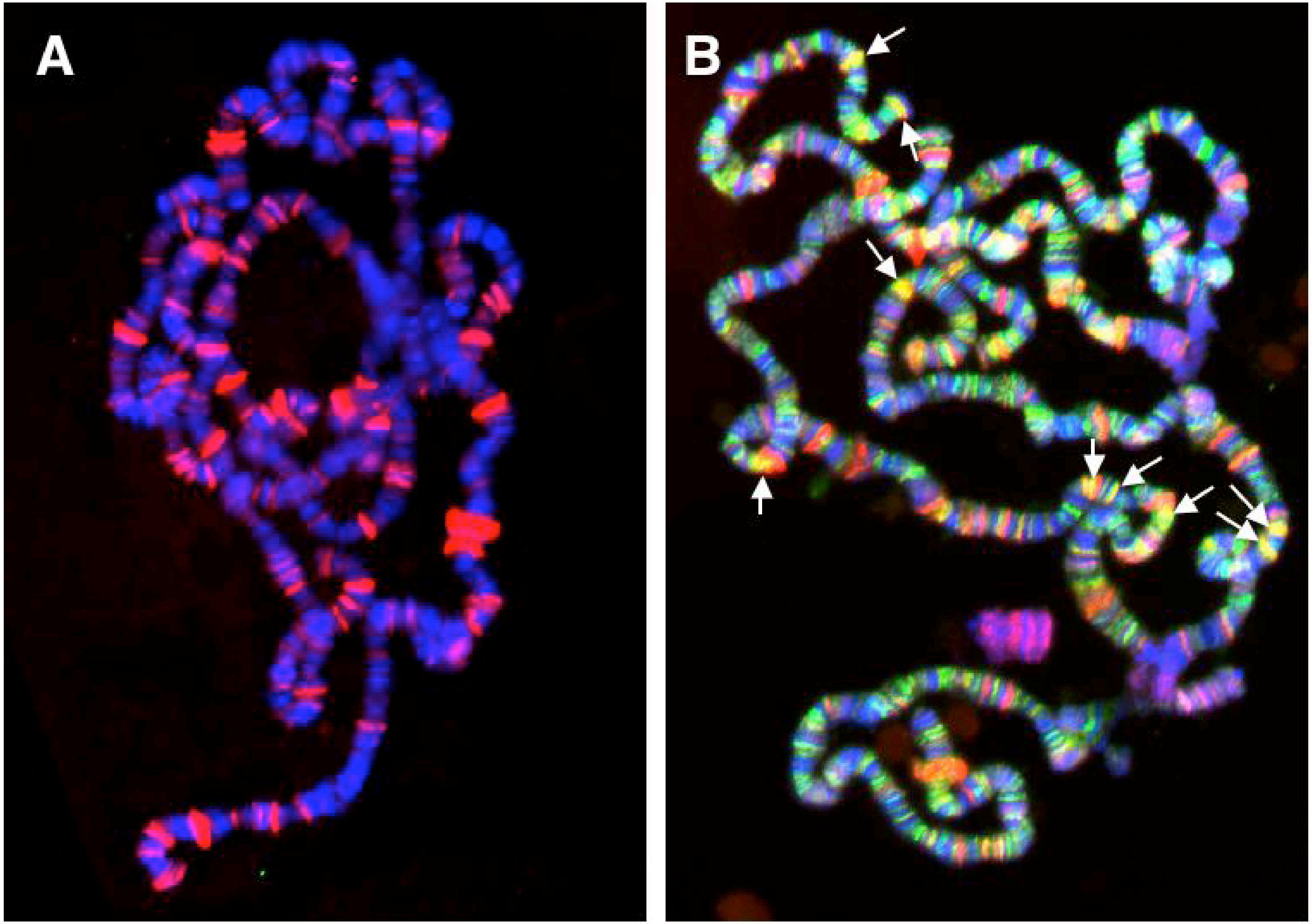


Supplementary Figure 2



Supplementary Figure 3





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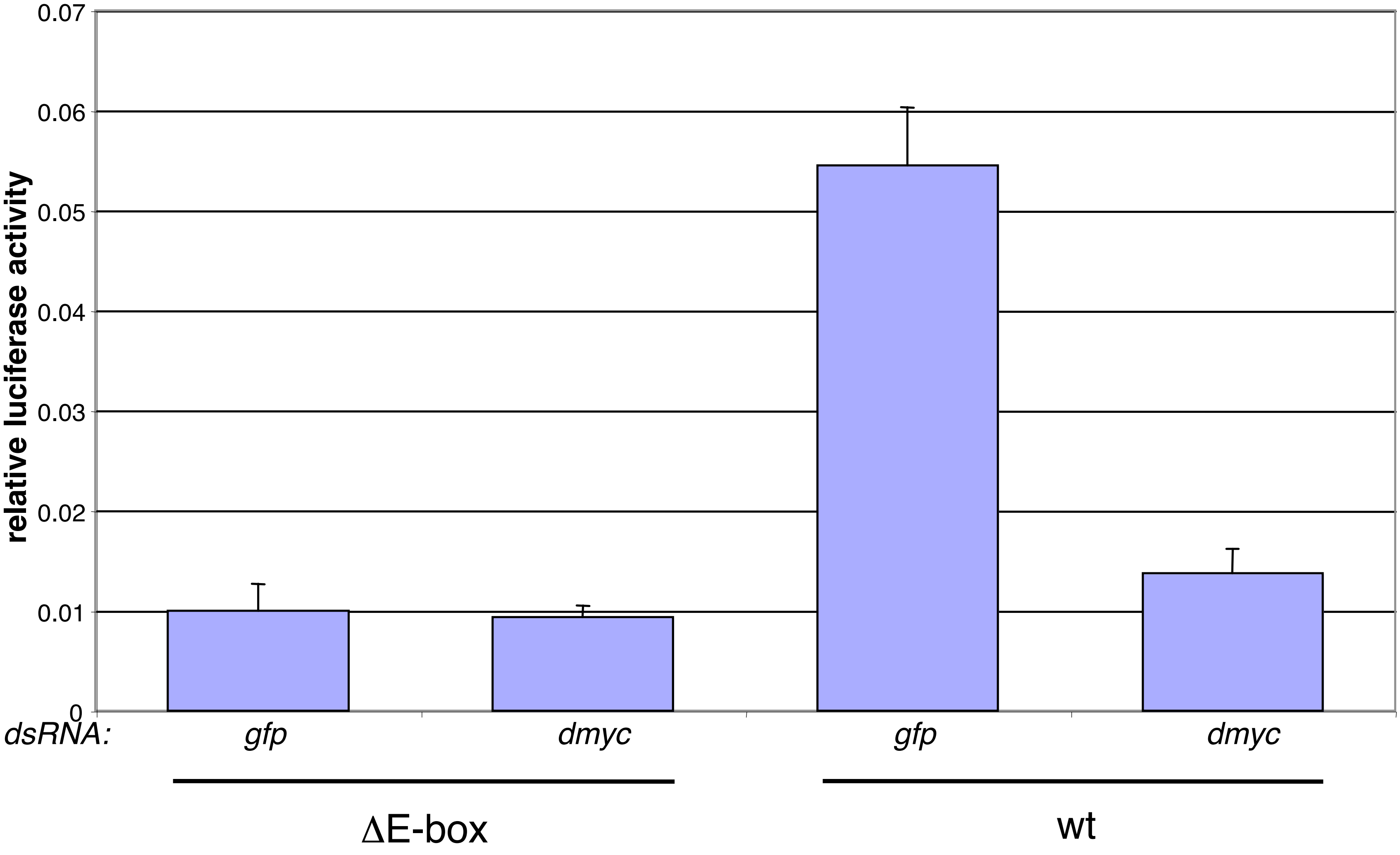
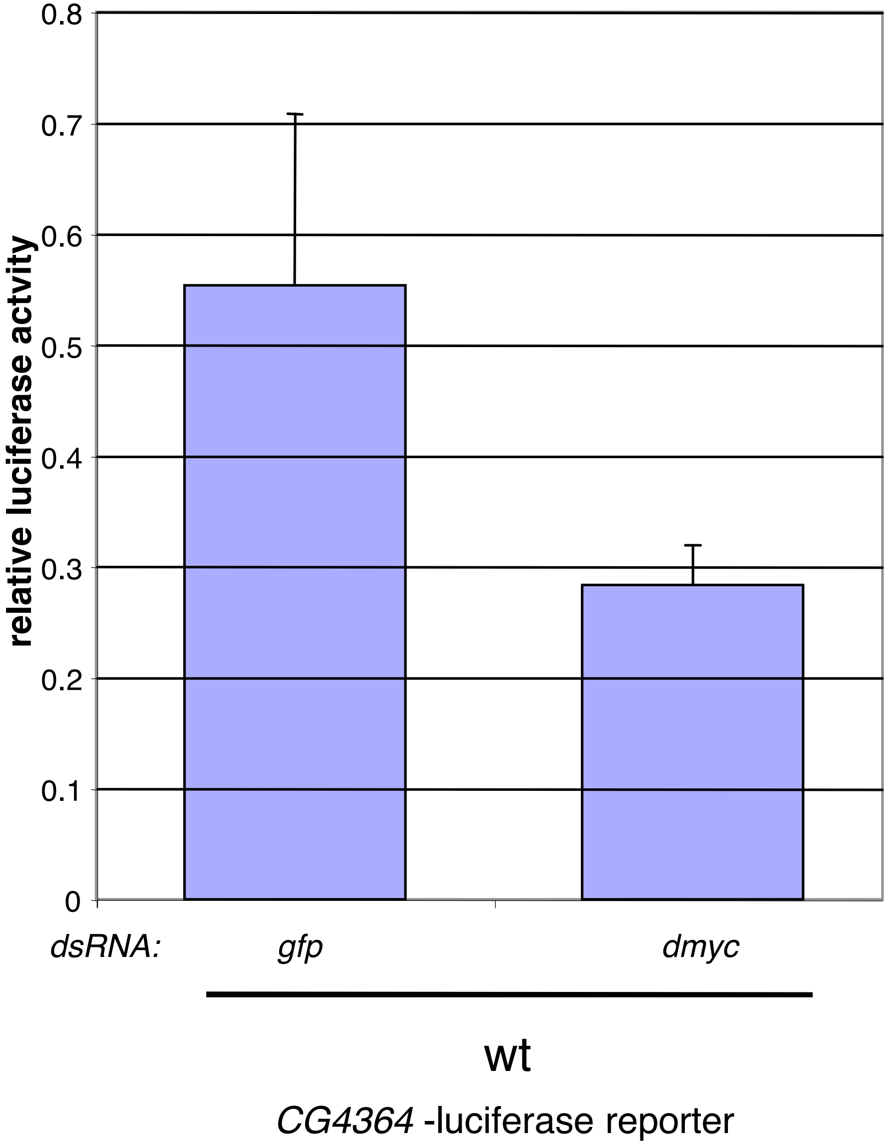
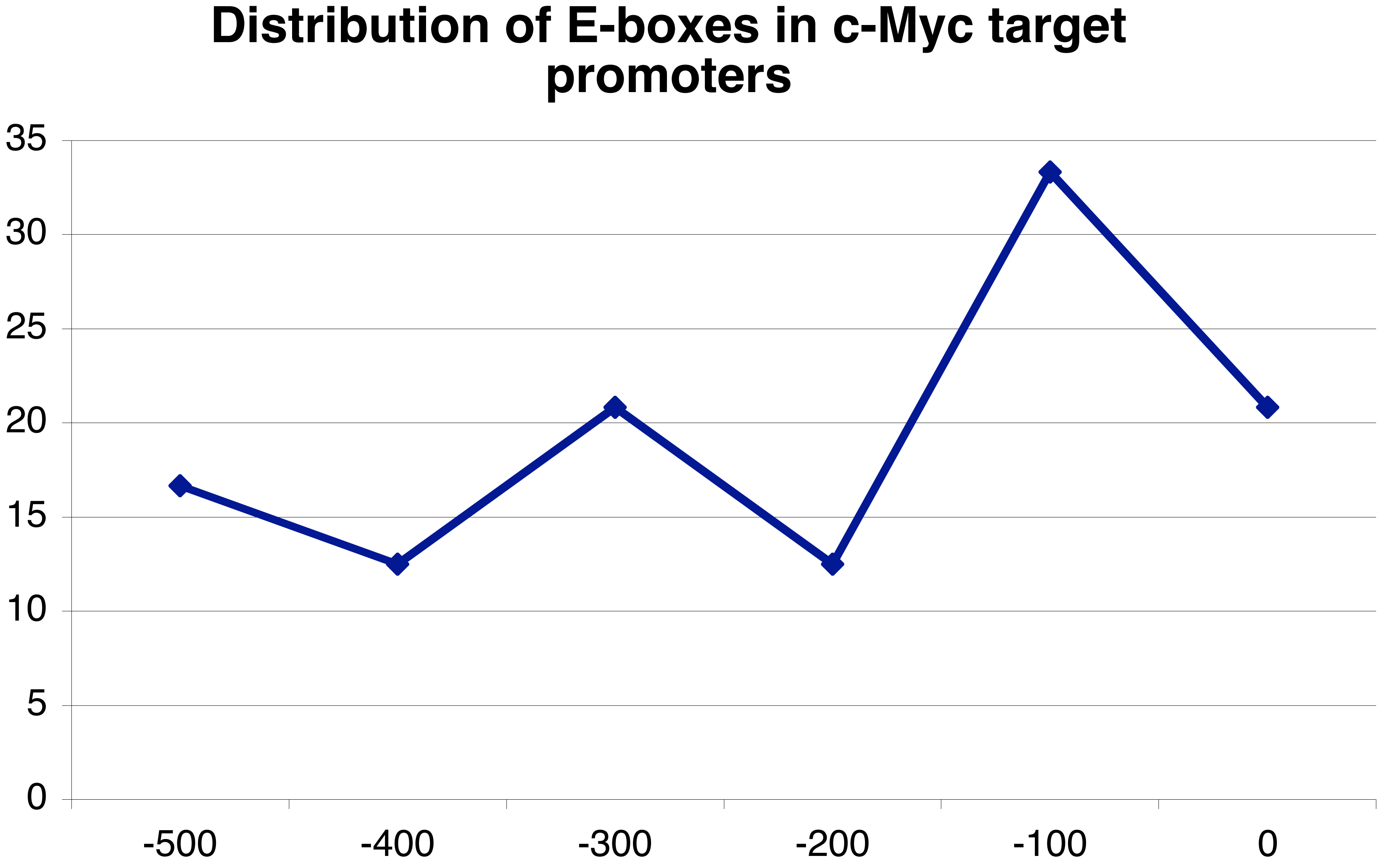


CG5033 -luciferase reporter

Supplementary Figure 5A



Supplementary Figure 5B



Supplementary Figure 6

	Down	Up
dMyc6	373	14
dMyc12	246	7
dMyc48	53	35
cyclin E	10	22
GOF	104	165
LOF	12	19

Supplementary Table 1

Supplementary Table 2

Gene	6 h	12 h	48 h	qRT-PCR	E-box	Notes	Known
Nucleolar function / ribosome biogenesis							
nnp-1	1.7	2.4	2.5	1.9 ± 0.2	**29**	rRNA processing	
pit	1.7	2.4	2.2			RNA helicase	D, V
nop56	1.6	2.5	2.5	2.1 ± 0.2	**29**	snRNP	D, V
fib	1.8	3.5	2.8	2.4 ± 0.1	**26**, 834	35S primary transcript processing	D, V
nopp140	2.3	2.5	1.9		**48**, 385	nucleologenesis	D, V
CG6712	2.6	3.7	2.8	1.6 ± 0.4	**46**	RNA binding	D, V
CG8939	1.8	2.7	2.0		**15**	rRNA processing	
CG1542	2.1	2.3	2.0		**78**	processing of 27S pre-rRNA	D
nop5	1.7	2.7	2.6	2.5 ± 0.6	-509, -9	rRNA processing	D
CG5728	1.9	2.4	1.7		**31**, 789	rRNA processing	D
CG4364	1.8	2.3	2.2		-421	structural ribosome constituent	D
Protein synthesis							
NHP2	2.1	2.5	2.3		**41**	NHP2 Ribosomal protein L7AE	
CG1381	1.6	2.3	2.1		**29**	Ribosomal protein L10	D
hoi-polloi	1.6	3.4	2.0	1.6 ± 0.4	-15	snRNP	
RNA binding / mRNA processing							
CG4038	1.8	2.6	2.3		**36**	snRNP	
rrp46	2.2	2.1	2.2			mRNA processing	D
Other							
CG10341	1.5	2.3	1.7		**17**	defense response	D
CG11660	2.3	2.1	2.0		224	protein kinase activity	
CG6751	1.7	2.2	2.0		-641, **29**	TFIID complex	
CG5033	1.6	2.2	1.8		**21**	transcription factor activity	D, V
FK506-bp1	1.7	1.9	1.7		-114, 216	protein folding	D, V
l(2)09851	1.7	2.3	1.7		**35**, 830	peroxisome targeting sequence binding	
Unknown							
CG7845	2.9	3.5	2.0		-697, **24**		D
CG10805	2.1	2.7	2.0		-13		D
CG9799	1.8	2.1	1.8		**6**, **44**		
CG30349	1.8	2.7	2.1		**90**, 236		
CG15019	2.0	2.0	1.7		-85, 936		
CG1785	1.9	2.4	2.1		-454, **19**		D
CG11604	2.4	3.7	2.7		416		D
CG1234	2.0	3.0	2.2				D

Supplementary Table 3

Gene	**E-boxes**				**Affymetrix**	**dmyc6**			**dmyc12**			**dmyc48**			**cycE**			**GOF**			**LOF**		
	1st	**2nd**	**3rd**	**4th**		**R**	**D**	**S**	**R**	**D**	**S**	**R**	**D**	**S**	**R**	**D**	**S**	**R**	**D**	**S**	**R**	**D**	**S**
Signaling / protein phosphorylation & dephosphorylation																							
Fps85D					143164_at	1.3	D		1.0	D		1.3	U		1.1	U		2.1	D	S	1.1	U	
CG10522					148666_at	1.4	D		1.2	U		1.0	U		1.1	D		2.1	D	S	1.2	U	
SAK					144123_at	1.1	D		1.1	U		1.2	U		1.8	D		2.1	D	S	1.2	U	
CG17090					142812_at	1.3	U		1.1	U		1.1	D					1.0	D		1.2	U	
					151694_at	1.0	U		1.1	U		1.0	D		1.4	D		1.2	D		1.6	U	S
auxillin	-186				153829_at	2.0	D	S	1.4	D	S	1.1	U		1.5	D		1.0	U		1.4	U	
Pak	639	810			153976_at	1.9	D	S	1.1	D		1.1	U		1.3	D		1.2	U		1.1	U	
put					154591_at	1.8	D	S	1.2	D		1.2	U		1.0	U		1.6	D		1.1	U	
CaMKII					142793_at	1.8	D		1.6	D								1.3	U		1.3	U	
					151686_s_at	1.8	D	S	1.5	D	S	1.0	D		1.1	D		1.2	U		1.1	U	
CkII&bgr					143092_at	1.7	D	S	1.4	D	S	1.2	D		1.1	D		1.0	D		1.1	U	
CG14217					153995_at	1.7	D	S	1.2	U		1.1	U		1.1	D		1.1	D		1.1	U	
Plkk1					143050_at																		
					151762_s_at	1.2	U		1.8	D	S	1.3	D					1.2	D		1.1	U	
Btk29A	118				141857_at	1.0	D		1.0	D		1.0	U		1.0	U					1.1	U	
					142240_at				1.7	D	S										1.0	U	
					153920_at	2.4	D	S	1.1	U		1.1	U		1.5	D		1.3	D		1.1	D	
Caki					143719_at	1.2	U		1.7	D	S	1.0	D					1.7	U		1.4	U	
					143857_at	1.1	U		1.1	D		1.0	D		1.2	D		1.3	U		1.4	U	
					150327_at																		
CG7597					141597_at	1.5	D		1.6	D	S	1.1	D		1.4	D		1.1	D		1.1	D	
Brd	-193				143088_at													2.5	D	S	1.1	D	
fng	-922				143664_at	1.1	D		1.4	U		2.2	U	S	1.3	U		1.8	D	S	1.0	D	
sno					152069_at	1.7	D	S	1.5	D		1.1	U		1.2	D		1.4	U		1.2	U	
Cbl					143910_at	1.1	D		1.2	D		1.0	U		1.4	D		2.5	D	S	1.1	U	
					148403_at																		
spi					143573_at	1.3	U	S	1.2	U		1.3	U		1.1	D		1.8	D	S	1.5	U	S
msk					151799_at	1.3	D	S	1.7	D	S	1.3	D		1.1	D		1.5	U		1.2	D	
Pi3K59F	177				142299_at																		
					151517_at	1.4	D		1.2	D		1.4	U		1.3	U		2.4	D	S	1.1	U	
Pi3K68D					142750_at	1.1	D		1.1	U		1.1	U		1.3	D		2.2	U	S	1.2	U	
					151675_s_at	1.4	D		1.2	U		1.2	U		1.3	D		1.0	D		1.2	U	
smo	707				154678_at	2.0	D	S	1.2	D		1.0	U		1.0	D		1.2	U		1.2	U	
Socs36E					146427_at	1.6	U	S	1.2	D		1.1	D										
Stam					153478_at	1.6	D	S	1.1	U		1.3	U		1.2	D					1.1	D	

CG10417					154404_at	2.0	D	S	1.0	D		1.2	U		1.1	U		1.0	D		1.0	D	
Nca	842				143706_at	1.9	D	S	1.4	D		1.3	U		1.1	U		1.1	U		1.1	U	
mth					141648_at	1.6	D	S	1.0	D		1.2	U		1.1	D		1.5	D		1.4	U	
Rac2					153313_at	1.1	U		1.5	U	S	1.1	U		1.0	U		1.3	D		1.0	U	
Sac1					152174_at	1.5	D	S	1.2	D		1.1	U		1.6	D		1.1	U		1.0	D	
POSH	-338				155116_at				2.0	D	S	1.1	U		1.0	U		1.2	U		1.0	U	
a6					153784_at	2.2	D	S	1.1	D		1.4	U		1.2	D		1.7	D		1.0	U	
Apc					143828_at	1.6	D	S	1.0	U		1.3	U		1.1	D		1.1	D		1.0	U	
RacGAP50C					147175_at	1.0	U		1.1	U		1.0	U		1.4	D		2.6	D	S	1.0	U	
Pten	777				144125_at	2.0	D	S	1.1	D								1.2	D		1.1	U	
Obp99a					150831_at	1.3	U	S	1.2	U	S	2.2	U	S	2.3	U	S						
Rab1					143879_at	1.4	D	S	1.1	U		1.9	U	S	1.1	D		1.1	U		1.0	U	
Idgf2					152452_at	1.3	U		1.1	U		1.9	U	S	1.0	U							
CG3376					152558_at	1.1	D		1.2	U		1.8	U	S	1.5	D		1.4	U		1.0	U	
dlp					141248_at	1.2	D		1.1	U								2.7	D	S	1.2	U	
					148758_at																1.5	U	
CG32048	-180				148472_at													1.1	D		1.4	U	
					148473_at																		
					151299_at													2.3	D	S	1.3	U	
CG6631					153609_at	1.2	D		1.2	U		1.0	D		1.4	D		2.0	D	S	1.1	U	
CG9252	817				141689_at	1.5	D		1.2	D		1.1	D		1.2	D		1.6	U		2.1	U	S
CG12253					154625_at				1.1	D								2.0	D		2.0	U	S
CG31163					150345_at													1.6	D		1.8	U	S
					150347_at																		
					150348_at																1.2	U	
					151070_at	1.3	D		1.1	U		1.0	D		1.2	U		1.1	U		1.1	U	
					154903_at													1.1	D		1.1	U	
CG5522					154285_at	1.1	D		1.0	U		1.2	U		1.1	U		1.4	D		1.6	U	S
CG5741					152492_at	2.5	D	S	1.1	D		1.1	D					1.1	U		1.2	D	
CG13895	36	217			142802_at	2.1	D	S	1.2	D								1.2	U		1.1	U	
CG3249	235				153319_at	2.1	D	S	1.4	D	S	1.0	U		1.3	D		1.6	U		1.2	D	
Crag					141584_at	2.0	D	S	1.0	D		1.3	U		1.2	D		1.5	D		1.1	U	
CG16972	179	495			154434_at	1.8	D	S	1.2	D		1.5	U		1.1	D		1.0	D		1.0	D	
CG7207					152129_at	1.8	D	S	1.0	D		1.3	U		1.1	D		1.3	U		1.1	U	
B4	952				151436_at																		
					154707_at	1.7	D	S	1.0	D		1.3	U		1.1	D		1.8	D		1.1	U	
wdb					154680_at	1.7	D	S	1.0	U		1.1	U		1.0	U		1.2	U		1.0	D	
CG14685					143034_at																1.0	U	

					151756_at	1.6	D	S	1.2	D		1.2	U		1.0	D		1.1	U		1.1	U	
CG1846					142224_at	1.1	D		1.0	D		1.2	U					1.4	U		1.1	U	
					151500_at	1.6	D	S	1.2	D		1.1	D		1.9	D		1.1	U		1.1	U	
Smg5					154083_at	1.6	D	S	1.1	D		1.1	D		1.1	U		1.1	U		1.1	U	
CG8707					152663_at	1.6	D	S	1.0	U		1.0	U		1.0	U		1.2	U		1.2	D	
CG31012					150911_at																		
					151904_at	1.5	D	S	1.3	D		1.1	D		1.6	D		1.1	D		1.1	D	
CG18600	30				153805_at	1.8	D	S	2.5	D	S	1.8	D		1.3	D		1.8	U		1.6	D	
CG8461	3				142771_at	1.9	D		1.9	D	S	1.3	D		1.1	D		1.5	U		1.1	D	
spri					144808_at	1.1	U		1.9	D	S	1.0	U								1.2	D	
					144809_at	1.1	D		1.2	D		1.2	D		1.2	D		1.3	U		1.4	U	
					144810_at																		
					144812_at																		
					151411_at																		
CG31150					142109_at																1.1	D	
					143021_at	1.2	U		1.8	D	S	1.2	U										
					149982_at	1.4	D		1.2	D		1.0	D										
					152020_at	1.0	U		1.1	U		1.5	U	S	1.0	U							
CG7515					148349_at																		
					148350_at																1.5	U	
					148351_at				1.7	D	S										1.3	U	
					153125_at	1.1	D		1.0	D					1.0	U					1.2	U	
CG16807					148891_at				1.7	D	S	1.3	D					1.7	D		1.2	U	
CG8981	168				142887_at	1.2	D		1.2	U		1.0	U					1.3	D		1.1	U	
					147046_at				1.4	D											1.0	D	
					151710_at	1.6	D		1.6	D	S	1.1	D					2.0	D		1.1	U	
CG11660	224				142720_at	2.3	D	S	2.1	D	S	2.0	D	S	1.5	D		2.2	U		1.5	D	
CG8801					141995_at																		
					142696_at	1.0	D		1.5	D	S	2.0	D	S	1.4	U		1.2	U		1.3	D	S
CG17272					150278_at	1.1	D		1.2	U		1.1	U		1.3	D		2.6	U	S	1.1	D	
CG11859	-58				150571_at	2.9	D	S	2.0	D	S	1.3	D		1.1	U		2.5	U	S	1.3	D	
Ptpmeg	113				153778_at	1.1	D		1.1	D		1.3	D		1.2	D		2.0	U	S	1.2	U	
CG2199	-868				154599_at	1.8	D	S	1.6	D	S	1.4	D		1.3	D		1.8	U	S	1.2	D	
RhoGDI					153882_at	1.3	D		1.1	D		1.0	U		1.3	D		1.8	U	S	1.0	U	
Transcription factors / co-factors																							
H					142797_at	1.5	D	S	1.1	D		1.1	U		1.1	U		1.1	U		1.0	U	
					151688_s_at	2.0	D	S	1.1	D		1.1	D		1.4	D		1.1	D		1.3	U	
m4	-570				143251_at													1.9	U	S	1.4	U	

HLHm3	585				143248_at													1.8	U	S	1.2	U	
Trl					142876_at	1.5	D	S	1.5	D	S	1.0	D		1.8	D		1.6	D		1.4	U	
					148766_at																		
					151706_s_at	1.1	D		1.0	D		1.1	U		1.7	D		1.7	D	S	1.3	U	
Scm					143335_at	1.9	D	S	1.1	D		1.0	D		1.5	D		1.3	D		1.0	U	
trx					143384_at	1.1	D		1.0	D		1.0	D		1.2	D		3.4	D	S	1.3	U	
Arc70					150989_at	1.3	D		1.0	D		1.0	U		1.4	D		1.3	U		1.2	U	
					153799_at	2.0	D	S	1.3	D		1.3	U		1.1	U		1.1	U		1.0	U	
tou					152868_at	1.1	D		1.3	D		1.0	U		1.6	D		1.8	D	S	1.1	U	
dom	-499				142280_at	1.3	D		2.0	D	S	1.4	D		1.2	D		1.1	U		1.0	U	
					151511_r_at	2.4	D	S	1.3	D		1.4	D		1.2	D		1.5	U		1.3	U	
Sin3A	906				141716_at	2.2	D	S	1.2	D		1.3	U		1.4	D		1.3	D		1.2	U	
Mio					154826_at	1.6	D	S	1.4	D		1.0	U		1.0	U		1.2	U		1.1	U	
ftz-f1					151259_at																		
					154699_at	1.9	D	S	1.2	D		1.2	U		1.5	D					1.5	U	
Hr39					155094_at	1.9	D	S	1.1	D		1.3	U		1.0	D		1.1	D		1.1	U	
NFAT	-391				153719_at	1.0	U		1.9	D	S	1.0	U		1.3	D		1.2	U		1.3	U	
mbl					143809_at													2.8	D	S	1.6	U	
					147360_at																		
sina					153438_at	1.8	D		1.1	D		1.2	U		1.0	D		2.4	D	S	1.0	U	
sd					143337_at	1.2	D		1.5	D	S	1.2	D					1.4	D		1.2	U	
Adf1					153659_at	1.7	D	S	1.1	U		1.1	U		1.2	D		1.8	U		1.1	U	
shn					152896_at	1.3	D		1.1	U		1.3	U		1.1	D		3.4	D	S	1.3	U	
Mad					143670_at	2.0	D	S	1.2	D		1.4	U		1.3	U		1.4	D		1.2	U	
srp					141687_at	1.7	D	S	1.1	D		1.3	U		1.3	D							
exd					153499_at	2.3	D	S	1.1	U		1.5	U		1.5	D		1.3	D		1.1	U	
kn					143207_at													2.7	D	S	1.1	U	
ttk					153259_s_at	1.7	D		1.1	D		1.1	U		1.0	U		1.0	U		1.6	U	
					154445_at	2.9	D	S	1.1	U								1.0	D		1.2	U	
CrebA					143003_at	1.1	U		1.1	D		1.1	D		1.4	D		1.1	D		1.6	U	S
					151748_at	1.7	D	S	1.2	D		1.1	U		1.5	D		1.3	D		1.8	U	
dm					143126_at	2.6	D	S							1.2	D		1.3	D				
emc					153703_at	1.5	D	S	1.2	D		1.3	U		1.7	D		1.1	D		1.0	U	
corto	179				152846_at													2.4	D	S	1.3	U	
psq					154654_at	1.4	D		1.1	D		1.4	U		1.1	U		2.4	D	S	1.2	U	
Ada2S					154266_at	1.3	D		1.1	D		1.2	U		1.0	U		2.0	D	S	1.1	U	
crol					143920_at	1.3	U		1.5	D	S	1.2	D					2.0	D	S	1.2	U	
XNP					143015_at	1.2	U		1.1	U		1.1	U		1.5	D		1.8	D	S	1.0	U	

CG9305					142244_at	2.1	D	S				1.3	D		1.1	U		1.1	U		1.1	D	
CG7839	12				141506_at	2.1	D	S							1.0	U		1.7	U		1.1	D	
osa					153971_at	2.0	D	S	1.2	U		1.2	U		1.2	D		1.2	D		1.1	D	
Hcf					141291_at	1.8	D	S	1.2	D		1.1	U		1.6	D		1.3	D		1.1	U	
lolal					153811_at	1.8	D	S	1.1	D		1.1	U		1.2	D		1.3	U		1.3	D	
NK7.1					142439_at	1.7	D	S	1.1	U		1.5	U		1.2	U							
					151571_at										1.1	U					1.1	U	
crp	483				143223_at	1.7	D	S	1.4	D		1.3	U		1.1	D		1.2	D		1.4	U	
CG3847					153252_at	1.7	D	S	1.1	D		1.0	D		1.0	D		1.3	U		1.4	D	
CG3995					155052_at	1.7	D	S	1.3	D		1.1	U		1.1	U		1.6	U		1.1	U	
CG2608	-488				153949_at	1.7	D	S	1.2	D		1.1	U		1.0	U		1.3	U		1.0	U	
CG9200					154028_at	1.7	D	S	1.3	D		1.2	U		1.2	D		1.2	U		1.1	U	
su(Hw)	541				153859_at	1.7	D	S	1.0	U		1.1	U		1.1	D		1.8	D		1.1	U	
MRG15					154132_at	1.6	D	S	1.2	D		1.3	U		1.3	D		1.1	D		1.1	U	
kis	-299				141644_at	1.6	D	S	1.1	D		1.1	U		1.3	D		1.2	D		1.2	U	
					145517_at	1.2	D		1.0	U								1.5	D		2.1	U	S
					145519_at																		
Sas10	11				152191_at	1.9	D	S	2.3	D	S				1.1	U		2.0	U		1.3	D	
CG12050	-14				154526_at	1.6	D	S	1.9	D	S	1.4	D		1.2	U		1.7	U		1.4	D	
CG6854	79				154401_at	1.8	D	S	1.8	D	S	1.4	D		1.2	D		1.6	U		1.0	D	
bic	48				153308_at	2.0	D	S	1.8	D	S	1.0	U		1.2	U		1.0	D		1.2	D	
pont					153627_at	1.3	D	S	1.7	D	S	1.4	D		1.1	D		1.4	U		1.2	D	
Smr					144015_at	1.2	D		1.7	D	S	1.3	D		1.2	D		1.2	D		1.2	U	
CG32133					142630_at																		
					148738_at	1.5	D		1.7	D	S	1.4	D					1.1	D		1.1	U	
l(3)mbt					141950_at																		
					142550_at	1.5	D		1.6	D	S	1.1	D		1.4	D		1.0	U		1.4	U	
bel					149514_at	1.0	U		1.6	D	S	1.3	D		1.5	D		1.1	U		1.0	U	
CG3711					144357_at	1.0	D		1.5	D	S	1.1	D					1.4	D		1.4	U	
CG8319					149571_at	1.4	D		1.5	D	S	1.0	U		1.0	D		1.1	U		1.3	D	
Max	429				153406_at	1.4	D		1.1	U		1.2	D		1.3	D		2.7	U	S	1.1	U	
CG5033	21				154156_at	1.6	D	S	2.2	D	S	1.8	D	S	1.2	D		1.8	U	S	1.3	D	
Protein modification / protein degradation / ubiquitination / protein folding																							
Su(dx)	864				142800_at	1.7	D	S	1.0	U		1.5	U		1.3	D		1.3	U		1.0	U	
					151689_s_at	1.2	D		1.2	D		1.1	U		1.4	D		1.1	D		1.0	U	
Nmt					153290_at	1.1	U		1.1	D		1.1	U		1.2	D		1.7	U	S	1.1	D	
Hsc70-5					153311_at	2.2	D	S	1.4	D		1.1	D		1.0	U		1.0	D		1.2	D	
Hsp68					143197_at	1.0	U		1.2	D		1.4	U		8.8	U	S	1.9	U	S	1.4	U	

Roe1					153163_at	1.0	U		1.6	D	S	1.3	D		1.9	D		1.0	D		1.1	D	
Ubi-p63E					143399_at	1.1	D		1.1	D		1.0	D		1.1	U		1.6	D	S	1.0	D	
eff					143638_at	1.5	D	S	1.1	U		1.4	U		1.0	D		1.2	U		1.1	D	
ago					148159_at	1.0	D		1.8	D	S	1.3	D		1.4	D		1.2	D		1.1	U	
CG7288	480				142850_at																		
					151701_s_at	1.1	D		1.0	U		1.1	U		1.3	D		1.1	U		1.2	U	
					151702_r_at													4.3	D	S	1.3	U	
CG4165	-928				154700_at	1.5	D		2.0	D	S	1.1	U		1.6	D		1.0	U		1.3	D	
CG32479					142762_at	1.2	U		1.4	D	S	1.2	D					1.1	D		1.1	D	
					147948_at	1.2	D		1.8	D	S	1.3	D		1.6	D		1.4	D		1.1	U	
					151677_at	1.6	D	S	1.1	D		1.4	U		1.1	U		1.2	U		1.1	D	
FK506-bp1	-114	216			154545_at	1.7	D	S	1.9	D	S	1.7	D	S	1.0	D		1.4	U		1.3	D	
Tbp-1					152417_at	1.0	D		1.0	D		1.1	D		1.3	D		2.2	D	S	1.1	U	
CG3033					152024_at	1.6	D	S	1.2	U		1.1	U		1.1	D					1.4	U	
Trp1					143663_at	1.3	D		1.1	U		1.4	U		1.2	U		2.2	D	S	1.3	U	
CG9455	627	645			146701_at	1.5	U	S	1.1	U		1.1	D		1.4	D							
ApepP					153980_at	1.5	U	S	1.1	D		1.0	D		1.1	D		1.4	U		1.1	U	
CG10460					147497_at	1.1	D		1.8	U	S	1.1	U		1.3	U		1.1	U		1.1	D	
Kaz1					144142_at	1.1	D		1.2	U		2.8	U	S	1.1	D							
CG13283					146385_at	1.2	D		1.0	U		2.4	U	S	1.9	U							
Cys	530				142095_at																		
					142969_at	1.1	D		1.3	U		2.3	U	S	1.4	U		1.5	U		1.1	D	
CG4398					147309_at							1.9	U	S	3.3	U	S						
Psa					141811_at	1.2	D		1.1	U		1.2	U		1.0	D		2.1	D	S	1.1	D	
sda					152119_at	1.4	D		1.1	D		1.2	U		2.8	U	S	2.0	D	S	1.0	U	
Fpps	-600				153220_at	1.1	U		1.0	D		1.4	U		1.7	U		1.9	D	S	1.0	D	
CG2947	499				141203_at	2.2	D	S	1.3	D		1.0	D		1.1	D		1.2	U		1.2	D	
CG11357					142460_at	1.1	U		1.1	D		1.0	D		1.2	D		1.2	D		1.1	D	
					151577_at	2.0	D	S	1.0	U		1.4	U		1.0	U		1.2	U		1.2	U	
PNGase					146663_at	1.9	D	S	1.1	D		1.3	U		1.3	D		1.1	U		1.1	D	
CG18177					141205_at	1.7	D	S	1.3	D		1.2	U		1.0	D		1.4	U		1.2	D	
CG6357					153233_at	1.6	D	S	1.2	U		2.0	U	S	1.5	U		2.0	U		1.1	U	
olf186-F	852				141803_at	1.6	D	S	1.0	U		1.5	U		1.0	U		1.0	D		1.0	D	
CG10576	773				154529_at	1.6	D	S	1.4	D	S	1.2	D		1.3	D		1.1	D		1.2	D	
CG11261					154496_at	1.5	D	S	1.1	D		1.1	U		1.3	U							
Tequila					141527_at	1.1	D		1.2	U		1.6	U	S	1.0	U							
					148446_at	1.2	U		1.2	D		1.5	U	S	1.6	D					1.3	U	
					153070_at	1.5	D	S	1.1	U		1.5	U		1.2	D		1.7	D		1.0	D	

CG2911	-663				149343_at	1.5	D	S	1.0	U		1.2	U		1.1	D					1.1	U	
Ogt					153888_at	1.5	D	S	1.1	D		1.2	U		1.1	U		1.1	U		1.0	U	
CG16840	-414				146218_at	1.7	D	S	2.4	D	S	1.7	D		1.2	D		1.9	U		1.4	D	
CG12202	101				141774_at	1.4	D		1.9	D	S	1.6	D		1.5	D		1.5	U		1.3	U	
CG10565	441				154210_at	1.6	D	S	1.8	D	S	1.3	D		1.0	U		1.6	U		1.2	D	
CG5358	655				149600_at	1.2	D		1.7	D	S	1.5	D					1.1	D		1.1	D	
REG					155140_at	1.4	D	S	1.6	D	S	1.3	D		1.1	D		1.2	U		1.1	D	
CG12582					149266_at	1.2	D		1.6	D	S	1.1	D								1.1	U	
					152253_at	1.0	D		1.0	D		1.2	U		1.1	D		1.1	U		1.1	U	
Trap1					155020_at	1.0	D		1.6	D	S	1.1	U		1.1	U		1.6	U		1.1	D	
CG6554					154448_at	1.7	D	S	1.6	D	S	1.3	D		1.4	D		1.2	U		1.1	D	
CG11989					153956_at	1.2	D		1.5	D	S	1.6	D	S	1.2	D		1.4	U		1.1	D	
und					151903_at	1.4	D	S	1.7	D	S	1.5	D	S	1.0	U		1.4	U		1.1	D	
CG6563	55				154690_at	2.4	D	S	2.5	D	S	1.8	D		1.2	D		2.9	U	S	1.8	D	S
CG4826					152851_at	1.1	D		1.1	U		1.6	U		1.1	D		2.8	U	S			
GlcAT-S					152665_at	1.9	D	S	1.1	D		1.2	U		1.1	D		2.3	U	S	1.1	U	
CG7182					153998_at	1.9	D	S	1.6	D	S	1.4	D		1.0	U		1.9	U	S	1.1	D	
Channels / transport																							
Fbp1					143158_at													1.0	U		3.4	D	S
Csat					144045_at	1.7	U	S	1.0	D		1.3	U		1.4	D		1.4	D		1.2	U	
CG5594					147816_at	1.1	D		1.5	D	S	1.1	D										
					152231_at	1.5	D		1.1	D		1.5	U		1.1	D							
Mpcp					144140_at	1.6	D	S	1.3	D		1.0	D		1.2	D		1.1	U		1.4	D	
CG3071	11	942			155028_at	1.9	D	S	1.8	D	S	1.6	D		1.1	D		2.4	U	S	1.2	D	
CG11147					145844_at	1.5	U	S															
CG13688					145539_at	1.5	U	S	1.1	U		1.1	D		1.1	U					1.3	U	
CG4330					153453_at				1.1	D		1.7	U	S	1.3	U					1.3	U	
CG8468					143046_at	1.1	U		1.3	D		1.1	D		1.2	D		1.5	D		1.2	U	
					151760_at	1.3	D		1.1	D		1.0	U		1.0	U		2.0	D	S	1.1	U	
mnd					143268_at	2.2	D	S	1.4	D	S	1.1	U		1.3	D		1.6	U		1.4	D	
CG6070	-252				152204_at	2.0	D	S	1.2	D		1.1	U		1.1	D					1.1	U	
CG16753					155163_at	1.9	D	S	1.4	D		1.4	D		1.4	U		1.1	U		1.1	U	
CG10960					153366_at	1.9	D	S	1.1	U		1.2	U		1.5	U		1.5	U		1.0	U	
CG8029	-807				153649_at	1.9	D	S	1.2	D		1.0	U		1.1	D		1.0	D		1.1	D	
hoe1					145791_at	1.8	D	S	1.1	D		1.1	U		2.0	U							
					145792_at																		
					151864_at	1.0	U		1.1	U													
CG2162					154920_at	1.8	D	S	1.0	D		1.0	U		1.1	U		1.3	U		1.1	U	

CG13384					141633_at	1.8	D	S	1.2	D		1.4	U		1.2	D		1.3	U		1.3	U	
Ent2	87				152416_at	1.7	D	S	1.3	D	S	1.2	D		1.3	D		1.1	D		1.0	D	
CG5789	93				154494_at	1.7	D	S	1.2	D		1.2	U		1.2	D		1.8	U		1.3	D	
CG11092	876				153989_at	1.7	D	S	1.2	D		1.3	U		1.3	U		1.2	D		1.0	D	
sesB					141933_at	1.1	U		1.0	U		1.1	U		1.1	D		1.2	U		1.2	D	
					142494_at	1.7	D	S	1.2	D		1.0	U		1.0	D		1.0	D		1.1	D	
CG7255	-808				141761_at	1.6	D	S	1.0	D		1.2	U		1.0	D							
CG6454	-762				154732_at	1.6	D	S	1.3	D		1.1	U		1.3	D		1.0	U		1.1	U	
Nup358					155002_at	1.6	D	S	1.2	D		1.2	U		1.1	U		1.0	D		1.0	D	
CG3164					145511_at	1.6	D	S	1.1	U		1.2	U		1.2	D		1.1	D		1.0	D	
CG9330					149061_at	1.6	D	S	1.3	D		1.1	U		1.1	D		1.2	U		1.2	U	
Fatp					141619_at	1.5	D	S	1.0	U		1.4	U		1.0	D		1.3	D		1.4	U	
CG12295	-627				141545_at	1.3	D		2.3	D	S	1.9	D		1.6	D							
CG6565					153542_at	1.5	D	S	2.0	D	S	1.2	U		1.2	D		1.2	U		1.1	D	
CG7686					154018_at	1.4	D	S	1.7	D	S	1.4	D		1.1	D		1.4	U		1.4	D	
CG6756					146265_at	2.0	D	S	1.5	D	S	1.3	D		1.0	U		1.4	U		1.1	D	
CG9281	28	799			153481_at	1.3	D	S	1.5	D	S	1.5	D		1.0	U		1.2	U		1.3	D	
CG30394	602				147617_at	1.3	D		1.0	D		1.2	U		1.1	D		1.1	U		1.2	U	
					147618_at	1.2	U		1.5	D	S	1.2	D		1.3	D		1.5	D		1.1	U	
Tom40					144654_at	1.2	D		1.7	D	S	1.7	D	S	1.7	D		1.8	U		1.0	D	
mge					141387_at	1.4	D	S	1.4	D	S	1.6	D	S	1.4	D		1.5	U		1.0	D	
bys	-47	23			153812_at	1.5	D	S							1.0	D		2.2	U	S	1.3	D	
CG6574	-387				149652_at	1.3	D		1.6	D		1.0	U		1.1	U		2.1	U	S	1.1	U	
CG13610	123				141731_at	1.0	D		1.2	U		1.1	D		1.2	D		2.0	U	S	1.2	D	
CG6712	46				154160_at	2.6	D	S	3.7	D	S	2.8	D	S	1.4	D		2.0	U	S	2.0	D	S
CG17723	181				154124_at	1.2	U		1.0	U		1.2	D		1.3	D		1.9	U	S	1.1	U	
CG2691	36				154451_at	2.1	D	S	2.4	D	S	1.7	D		1.0	U		1.8	U	S	1.2	D	
CG7627					142113_at																		
					143031_at	1.1	D		1.2	D		1.1	D		1.3	D		1.8	U	S	1.1	D	
Metabolism / catabolism																							
Pgi					152515_at	1.0	U		1.1	U		1.0	D		1.2	D		1.7	D	S	1.0	U	
Pepck					143299_at	1.0	D		1.1	U		1.9	U		1.1	U		4.0	D	S	3.0	U	S
Prat	387				154976_at	1.7	D	S	1.5	D		1.2	D		1.2	D		1.5	U		1.0	U	
ade2	-460	32			153122_at	1.3	D		1.5	D	S	1.2	D		1.0	U		1.7	U		1.1	D	
Jafrac1					153359_at	1.3	U	S	1.1	U		1.0	U		1.0	U		2.0	D	S	1.1	D	
r-l	58	370			155103_at										1.1	D		3.4	U	S	1.2	D	
CG8005					148379_at	1.8	D	S	2.1	D	S	1.4	D		1.5	D							
dnk	143	677			143954_at	1.1	D		1.0	U		1.0	U		1.2	D		2.0	D	S	1.1	U	

Dph5	25				153752_at	1.4	D	S	1.9	D	S	1.4	D		1.0	U		1.6	U		1.3	D	
ras					154756_at	2.2	D	S	3.1	D	S	1.4	D		1.2	D		1.9	U	S	1.4	D	
ifc					153842_at	1.5	D	S	1.0	U		1.2	U		1.5	D		1.0	D		1.1	U	
Inos					153296_at	1.5	U	S	1.7	U	S	1.0	D		1.1	D		1.2	U		1.1	D	
CG32549					145298_at																1.1	D	
					151352_at	1.0	U					1.3	U										
					152283_at	1.0	U		1.6	U	S	1.1	U		1.6	D		1.0	D		1.0	D	
Ect3					153367_at	1.1	U		1.2	U		1.7	U	S	1.4	U					1.2	U	
l(1)G0237					144884_at	1.2	D		1.1	U		1.1	U		1.4	D		6.9	D	S	1.1	U	
Tpi					152334_at													2.2	D	S	1.2	D	
CG3523					152126_at	1.4	D		1.0	U		1.2	U		1.1	D		1.0	D		1.5	U	S
CG8839					153538_at	1.3	U	S	1.1	U		1.1	U		1.3	D		1.2	U		1.5	U	S
CG7351					151973_at	2.0	D	S	1.1	D		1.1	U		1.2	D		1.1	U		1.1	U	
Nc73EF					141810_at	1.9	D	S	1.1	D		1.1	U		1.1	D		1.1	D		1.1	D	
CG3045	97				152572_at	1.9	D	S	1.5	D		1.2	D		1.3	D		1.3	U		1.1	U	
CG11055					154767_at	1.6	D	S	1.1	D		1.3	U		1.4	D		1.7	D		1.1	U	
CG5191					152563_at	1.6	D	S	1.0	U		1.3	U		1.3	U		1.4	U		1.1	U	
CG8128					151908_at	1.6	D	S	1.2	D		1.1	D		1.0	U		1.4	U		1.0	D	
CG1236	-527	773			141292_at	1.6	D	S	1.0	D		1.0	D		1.0	U					1.1	D	
CG1753					154013_at	1.4	D		2.0	D	S	1.3	D		1.1	U		1.8	U		1.3	D	
CG13667					154330_at	1.6	D		1.8	D	S	1.1	D		1.1	U		1.9	U		1.2	U	
CG11844	906				141666_at	1.2	D		1.7	D	S	1.6	D		1.2	D		1.1	U		1.2	D	
CG11739					149275_at													3.8	U	S	1.1	U	
CG16733					149540_at													3.2	U	S	1.1	U	
CG6767	-336	240			148484_at	1.3	D		1.6	D	S	1.1	D		1.5	D		2.5	U	S	1.1	U	
CG3590	-941				150041_at	1.1	D		1.0	D		1.2	D		1.3	D		2.5	U	S	1.0	U	
CG3902					149018_at																		
					152151_at	1.2	U		1.0	U		1.0	D		1.1	U		2.4	U	S	1.1	U	
CG6287					151909_at													2.2	U	S	1.0	D	
l(2)k01209					153506_at	1.7	D		1.2	D		1.4	D		1.2	U		2.2	U	S	1.7	D	
CG9436					142716_at	1.2	U		1.2	U		1.1	U		1.2	D		2.1	U	S	1.0	D	
CG1671					141261_at	1.5	D		1.5	D		1.2	D		1.2	D		2.0	U	S	1.3	D	
CG11089	219				153761_at							1.5	D		1.2	D		1.9	U	S	1.3	D	
Lsd-2					145098_at													1.9	U	S	1.0	D	
CG4686					150222_at	1.1	D		1.1	U		1.1	U		1.3	D		1.8	U	S	1.2	U	
Cytoskeleton / cell migration / cell adhesion																							
l(2)gl					153565_at	2.0	D	S	1.1	D		1.2	U		1.0	U		1.8	D		1.1	U	
pyd					149529_at	1.1	U		1.3	D		1.2	D		1.8	D		1.8	D		1.2	U	

					149531_at																		
					149532_at	1.1	U		1.1	D		1.1	D								1.4	U	
					151020_at																		
					153475_at	1.8	D	S	1.2	U		1.7	U		1.0	U		2.1	D	S	1.1	U	
Nrx					142283_at	1.6	D	S	1.1	U		1.2	U					1.0	D		1.0	U	
					151512_at																		
Tm1					142845_at	1.3	D											1.6	U		1.2	D	
					151700_at	1.6	D	S	1.0	U		1.4	U		1.0	D		1.0	D		1.0	U	
baz					143083_at	1.0	D		1.1	D		1.4	U		1.4	D		3.4	U	S	1.0	U	
vlc					155087_at	1.5	D	S	1.0	D		1.0	U		1.3	D		1.1	U		1.1	U	
Lis-1					143837_at	1.1	D		1.1	U		1.3	U		1.2	U		1.8	D	S	1.1	D	
CG12042					153780_at	1.9	D	S				1.0	U		1.1	U		1.1	D		1.1	D	
ctp					154226_at	1.7	D	S	1.4	D	S	1.0	U		1.0	U		1.0	U		1.0	U	
Klp31E					142536_at													1.6	U		1.0	D	
					151611_at	1.7	D	S	1.4	D	S	1.3	U		1.2	D		1.0	U		1.2	U	
l(2)06496					153873_at													4.4	U	S	1.1	D	
CG10695	622				152337_at	1.4	D	S	1.3	D		1.2	U		1.0	U		2.1	U	S	1.2	D	
Ten-m					143472_at	1.8	D	S	1.0	D		1.5	U		1.0	D		1.0	D		1.0	U	
					149227_at	1.2	U		1.2	D		1.0	U		1.3	D		1.1	D		1.4	U	
Flo-2					141445_at	1.6	D		1.3	U		1.4	U		1.1	D		2.7	U	S	1.2	U	
					145081_i_at																		
Ama					154880_at	1.0	D		1.2	U		1.5	U		1.2	D		2.3	U	S	1.0	D	
Vinc					143459_at	1.7	U	S				1.4	D										
Pax	472				141605_at	1.2	D		1.0	U		1.6	U	S	1.1	D		1.0	D		1.0	D	
					146489_at	1.0	D		1.1	D		1.0	U		1.4	D					1.0	U	
Ank					154044_at	1.6	D	S	1.0	U		1.5	U		1.0	U		1.3	D		1.1	U	
&agr;Tub84D	626	785			141709_i_at	1.2	D		1.2	D		1.6	D		1.1	U		1.3	U		1.2	D	
					141710_r_at	1.1	D		1.1	D		1.6	D	S	1.1	U		1.8	U		1.3	D	
cals					153739_at	1.8	D	S	1.1	U		1.4	U		1.1	D		1.1	D		1.2	U	
CalpA					147498_at				1.1	U											1.1	D	
					154128_at	1.7	D	S	1.0	D		1.3	U		1.1	U		1.2	U		1.3	U	
ft					143168_at													1.5	D		1.5	U	S
mask					143004_at	1.1	D		1.5	D	S	1.2	D		1.6	D		1.1	D		1.2	U	
					150497_at																		
					151084_at	1.2	D		1.1	D		1.2	D		1.4	D		1.5	U		1.1	U	
					151749_at																		
FucTB					146087_at	1.8	D		1.1	D		2.1	U	S	1.7	U					1.0	D	
capu					145740_at				1.7	D	S												

					152133_at	1.1	D		1.1	U		1.1	U		1.1	D		1.5	D		1.2	U	
nuf					142556_at	1.0	U											1.3	D		1.1	U	
					151620_at	1.7	D	S	1.0	U		1.3	U		1.1	U		1.1	U		1.1	U	
Ppn	-466				141837_at				1.1	D											1.0	D	
					142182_s_at	1.4	U		1.1	U		2.1	U	S	1.0	D		1.3	D		1.0	U	
CG31732					141662_at	1.1	D		1.1	U		1.1	U		1.4	D		2.3	D	S	1.2	U	
					152548_at	1.1	U		1.1	U		1.1	U		1.4	D		1.5	D		1.2	U	
CG33111					150470_at																1.0	D	
					151082_at													1.0	D		1.1	U	
					151852_at	1.1	D		1.1	U		1.4	U		1.5	D		1.9	D	S	1.1	D	
CG2904					144054_at													1.9	D	S	1.3	U	
Ote					154965_at	1.2	D		1.1	U		1.1	U		1.5	D		1.8	D	S	1.0	D	
Chd64					153092_at	1.1	D		1.1	D		1.2	U		1.0	D		1.8	D	S	1.0	U	
didum					143861_at	1.7	D	S	1.1	D		1.6	U		1.1	D		1.2	U		1.3	U	
veli					150550_at	1.5	U	S	1.1	U		1.0	U		1.3	D		2.4	U	S	1.1	U	
CG16833					152260_at							1.0	U		1.2	U		2.2	U	S	1.0	U	
Cell cycle / chromosome dynamics																							
ana					152113_at													2.3	D	S	1.2	U	
dap					141388_at	1.4	D	S	1.1	D		1.2	U		1.4	D		2.1	D	S	1.1	U	
ncd	784				154464_at	1.2	U		1.1	U		1.2	U		1.3	D		2.0	D	S	1.2	U	
csul					143859_at	1.5	D	S	1.1	D		1.1	U		1.1	D		1.2	U		1.0	D	
tws					142582_at	1.6	D	S	1.1	D		1.1	U		1.2	D		1.1	D		1.1	U	
					151635_s_at	2.1	D	S	1.2	D		1.0	D		1.3	D		1.3	D		1.1	U	
dally					142294_at													3.0	D	S	1.1	U	
					151516_at																		
pbl					143293_at	1.1	D		1.0	D		1.0	U		1.7	D		2.3	D	S	1.1	U	
pav					143677_at	1.1	D		1.1	D		1.1	U		1.4	D		2.2	D	S	1.0	D	
stg	-548				141264_at	1.1	U		1.1	D		1.2	U		1.2	D		4.0	D	S	1.3	U	
feo	328				153167_at	1.1	U		1.2	U		1.6	D		1.7	D	S	1.9	D	S	1.1	U	
CycE					154120_at	2.1	D	S	1.0	D		1.1	D		1.7	D		1.4	D		1.1	U	
pim					153890_at	1.4	D		1.0	D		1.2	U		1.2	D		2.8	D	S	1.1	D	
SMC2					153548_at	1.1	D		1.1	U		1.1	D		1.2	D		2.2	D	S	1.1	U	
polo					153742_at	1.3	D		1.0	U		1.3	U		1.3	D		1.8	D	S	1.1	U	
raps					142815_at	1.6	U	S	1.1	D		1.2	D					1.2	D		1.1	D	
					151697_at	1.2	D		1.1	U		1.2	U		1.0	D		1.1	U		1.1	U	
aub					154143_at	1.2	D		1.1	D		1.0	D		1.8	U		3.0	U	S	2.0	U	
CG10249					151915_at	1.4	D		1.2	D		1.3	U					2.6	D	S	1.2	U	
gukh					150172_at																		

					150173_at																1.2	U	
					150174_at																		
					153225_at													2.5	D	S	1.3	U	
CG30015	-394				146970_at																1.4	U	
					152874_at	1.9	D	S	1.2	U		1.7	U		1.0	D		1.0	U		1.3	U	
CG6650					154248_at	1.9	D	S	1.1	U		1.3	U		1.2	D		1.1	D		1.0	D	
CG11807					141574_at	1.8	D	S	1.1	D		1.3	U		1.2	D		1.2	U		1.0	U	
CG3363	-827				152638_at	1.7	D	S	1.4	D	S	1.0	U		1.4	D		1.4	U		1.2	U	
CG18273	-6	182			153553_at	1.7	D	S	1.4	D		1.3	D		1.1	U		1.7	U		1.2	D	
CG31037	-909				141610_at	1.7	D	S	1.2	D		1.1	U		1.2	D					1.1	D	
					150845_at													1.1	D		1.4	U	
					150846_at				2.8	D	S	1.1	D								1.1	U	
CG32306					142774_at																		
					148045_at																		
					148046_at	1.1	D		2.2	D	S												
					148047_at	1.1	U		1.9	D	S	1.1	D										
					151170_at	1.3	U		1.0	U		1.2	U		1.2	D							
					151681_at	1.2	D		1.1	D		1.4	U		1.4	D		1.0	D		1.5	U	
CG11555	-279				145522_at	1.3	D		1.7	D	S	1.4	D		1.3	D		1.7	U		1.1	D	
CG8326					154759_at	1.8	D	S	1.7	D	S	1.4	D		1.3	D		1.5	U		1.1	D	
CG12499	-96	575			150365_at	1.6	D	S							1.2	D		2.3	U	S	1.0	U	
CG8771	-220				147112_at	1.3	D		1.1	D		1.1	D		1.2	D		1.9	U	S	1.0	D	
Ribosome biogenesis / nucleolar function																							
Rpl12	-28				150326_at	1.8	D	S	2.3	D	S	1.9	D		1.0	U		1.7	U		1.4	D	
Rpl135	29				141487_at	3.0	D	S	4.1	D	S	1.9	D		1.0	U		3.6	U	S	1.8	D	S
CG3756	33	954			141350_at	2.3	D	S	2.4	D	S	1.7	D		1.2	U		2.2	U	S	1.3	D	
Rpl1	11				153129_at	1.3	D		2.5	D	S	1.6	D	S	1.0	U		1.7	U	S	1.2	D	
CG17209	-94				145152_at	1.6	D		1.8	D	S	1.0	D		1.2	D		1.0	U		1.1	D	
Brf					150068_at				1.5	D											1.1	U	
					154601_at	1.5	D		1.4	D		1.5	D					2.2	D	S	1.1	U	
CG1542	78				154456_at	2.1	D	S	2.3	D	S	2.0	D	S	1.2	U		2.5	U	S	1.2	D	
Fib	26	834			153601_at	1.8	D	S	3.5	D	S	2.8	D	S	1.1	U		2.0	U	S	1.3	D	S
Nopp140	48	385			153819_at	2.3	D	S	2.5	D	S	1.9	D	S	1.1	D		1.9	U	S	1.4	D	
dbe					154276_at	1.7	D	S	1.8	D	S	1.2	D		1.1	U		1.2	U		1.0	D	
CG3527					144482_at	1.8	D	S	1.7	D	S	1.4	D		1.3	D		1.7	U		1.2	U	
CG8939	15				154194_at	1.8	D	S	2.7	D	S	2.0	D	S	1.1	D		2.0	U		1.4	D	
Nop60B	140	175			153235_at							2.1	D		1.4	D		6.8	U	S	1.3	D	
CG8545	-197	37			153160_at	2.9	D	S	3.0	D	S	1.7	D		1.1	D		2.5	U	S	1.5	D	

nop5	-509	-9			154624_at	1.7	D	S	2.7	D	S	2.6	D	S	1.1	U		2.5	U	S	1.6	D	S
Nnp-1	29				146333_at	1.7	D	S	2.4	D	S	2.5	D	S	1.0	D		1.9	U	S	1.3	D	
CG11837					154750_at	2.0	D	S	2.2	D	S	1.7	D		1.0	D		3.1	U	S	1.3	D	
Surf6	31				143036_at	1.8	D	S	1.9	D	S	1.5	D		1.3	U					1.2	D	
Rs1	10				153844_at	2.1	D	S	2.8	D	S	1.6	D		1.0	U		2.2	U	S	1.5	D	
l(1)1Bi	21				153663_at	3.0	D	S				2.3	D		1.0	U		1.8	U		1.2	D	
CG5220	254				154071_at	1.8	D	S	1.3	D		1.1	D		1.0	U		1.7	U		1.1	D	
Tif-IA	759				146622_at	2.1	D	S	2.0	D	S	1.1	D					1.3	U		1.2	D	
					146623_at	1.6	D		2.2	D	S	1.4	D		1.0	U		1.2	U		1.0	U	
					153698_at	2.2	D	S	1.9	D	S	1.1	D		1.3	U		1.4	U		1.0	D	
CG12909	12	123			146936_at	2.2	D	S	2.1	D	S	1.6	D		1.2	U		2.2	U		1.3	D	
CG7911	-643	-307	15		150866_at	1.4	D	S	1.6	D	S	1.4	D		1.0	D		1.5	U		1.2	D	
Nop56	29				153330_at	1.6	D	S	2.5	D	S	2.5	D	S	1.1	U		3.2	U	S	1.4	D	S
CG5728	31	789			154959_at	1.9	D	S	2.4	D	S	1.7	D	S	1.1	U		2.6	U	S	1.4	D	
NHP2	41				141956_at																		
					142579_at	2.0	D	S	2.5	D	S	2.3	D	S	1.0	D		2.5	U	S	1.5	D	
CG10685					146481_at	1.4	D	S	1.8	D	S	1.4	D		1.1	D		2.4	U	S	1.3	D	
La	351				143668_at	1.9	D	S	1.5	D	S	1.4	D		1.1	D		2.1	U	S	1.2	D	
Translation / protein synthesis																							
CG6388	-1				154663_at	1.5	D	S	1.7	D	S	1.4	D		1.0	D		1.8	U		1.2	D	
Rpp30					152046_at	1.7	D	S	1.6	D	S	1.3	D		1.0	D		1.6	U		1.1	D	
Nmd3	16				153358_at	1.6	D	S	1.8	D	S	1.5	D		1.2	D		1.8	U		1.3	D	
pelo	-977				154677_at	2.1	D	S	1.3	D		1.1	U		1.2	D		1.1	U		1.0	U	
RpS14a	223				143460_at	1.6	D	S	1.2	U		1.0	D		1.6	U		1.1	U		1.1	D	
mRpL1					154580_at	1.5	D	S	1.2	D		1.0	D		1.0	D		1.8	U		1.1	D	
CG8495					149586_at	1.8	D	S	1.9	D	S	1.6	D		1.2	U		1.0	D		1.0	U	
CG4866					147369_at	1.5	D		1.9	D	S	1.5	D		1.0	U		2.3	U	S	1.3	D	
eIF-4E					141629_at	1.3	D	S	1.1	D		1.1	D		1.0	U		1.7	U	S	1.0	D	
eIF-4G					153267_at	1.9	D	S	1.4	D	S	1.1	D		1.0	U		1.0	U		1.1	D	
CG8443					142634_at	1.5	D		1.9	D	S	1.3	D					1.0	U		1.1	D	
					151655_at				1.0	D								1.6	U		1.0	U	
cIF2					148110_i_at	1.4	U	S	1.3	D	S	1.2	D		1.3	D		1.1	D		1.0	U	
					148111_r_at	1.1	U		1.3	D	S	1.1	D		1.5	D		1.1	U		1.0	U	
					148112_at	1.1	D		1.7	D	S	1.3	D								1.0	D	
AGO2					151275_r_at																		
					151276_f_at	1.0	D		1.5	D	S	1.3	D		1.6	D		1.3	D		1.0	U	
					153226_at	1.1	D		1.0	D		1.1	D		1.4	D		2.6	D	S	1.1	D	
CG10192					141569_at	1.7	D	S	1.0	D		1.1	U		1.0	U		1.2	D		1.3	U	

EfTuM	595				142510_at	1.3	D		1.8	D	S	1.7	D		1.1	D		1.5	U		1.3	D	
Ef1&ggr					150815_at	1.0	U		1.5	D	S	2.3	D	S	1.0	U		1.3	U		1.1	D	
eEF1&dgr	-276	202			153449_at	1.5	D	S	1.6	D	S	1.2	D		1.1	U		1.8	U	S	1.1	D	
Aats-arg	592				145157_at	1.7	D	S	1.5	D		1.0	D		1.3	D		1.1	U		1.0	D	
Aats-tyr	-804				142649_at	1.2	U		1.4	D	S	1.8	D	S	1.3	D		1.3	U		1.3	D	
Aats-ile					154387_at	1.9	D	S	1.7	D	S	1.4	D		1.0	D		1.1	U		1.1	D	
Aats-cys					142650_s_at	1.8	D	S	1.1	D		1.1	D		1.1	U					1.1	D	
CG6479					153108_at	1.5	D	S	1.1	D		1.1	D		1.3	D		1.3	D		1.1	D	
CG4045					153114_at	1.3	D		1.9	D	S	1.3	D		1.5	D		1.1	U		1.3	D	
CG4159	-204				150267_at	1.7	D	S	1.7	D	S	1.6	D		1.1	D		2.0	U		1.5	D	
Nac&agr	-674				152402_at	1.1	D		1.2	D	S	1.8	D	S	1.1	D		1.0	U		1.4	D	S
CG13096	-656	27			142984_at	1.3	D		1.4	D	S	1.9	D	S	1.2	U		2.0	U	S	1.4	D	
mRNA processing																							
heph					150961_at																		
					153488_at	1.2	D		1.4	D		1.2	D		1.3	D		2.0	D	S	1.2	U	
CG4266					154472_at	1.9	D	S	1.1	U		1.1	U		1.1	D		1.0	U		1.1	D	
hoip	-15				146098_at	1.6	D	S	3.4	D	S	2.0	D	S	1.0	D		3.7	U	S	1.7	D	S
CG5931					153263_at	1.9	D	S	1.1	D		1.1	D		1.1	U		1.1	D		1.1	U	
Dek					153681_at	1.7	D	S	1.0	U		1.1	U		1.0	U		1.3	D		1.0	D	
CG6610					148261_at	1.7	D	S	1.0	U		1.1	U		1.2	D		1.9	U		1.1	U	
SF2					154911_at	1.5	D	S	1.2	D		1.0	D		1.5	D		1.1	D		1.0	U	
CG13900	155	369			147940_at	2.1	D	S	2.5	D	S	1.5	D		1.4	D		1.0	D		1.1	D	
CG4901					146130_at	1.7	D	S	1.9	D	S	1.2	D		1.1	D		1.9	U	S	1.1	U	
cpsf					154835_at	2.0	D	S	1.2	D		1.1	U		1.3	D		1.0	D		1.2	D	
Pabp2					143566_i_at	1.7	D	S	1.1	D		1.2	U		1.2	U		1.2	D		1.1	U	
					143567_r_at																		
CG1972					153639_at	1.6	D	S	1.0	U		1.3	U		1.1	U					1.1	D	
Rtc1	35				141535_at	1.8	D	S	2.1	D	S	1.5	D		1.1	D		1.4	U		1.2	D	
CG30122					147452_at	1.5	D		2.1	D	S	1.2	D					1.5	D		1.2	U	
					154274_at	1.1	D		1.0	D		1.0	D		1.2	D		1.1	D		1.0	D	
CG8414					147278_at	1.8	D	S	1.9	D	S	1.3	D		1.1	U		1.5	U		1.4	D	
Rrp4					153140_at	1.2	D		1.8	D	S	1.6	D		1.2	D		1.3	U		1.2	D	
Ski6	41				146317_at	1.7	D	S	1.8	D	S	1.4	D		1.1	D		1.4	U		1.2	D	
Rrp42					147273_at	1.3	D		1.8	D	S	1.1	U		1.0	D		1.9	U		1.1	U	
Rrp46					153132_at	2.2	D	S	2.1	D	S	2.2	D	S	1.3	D		1.6	U		1.1	D	
Ip259					153317_at	1.1	D		1.3	D	S	1.5	D	S	1.2	U		1.0	D		1.2	D	
Dis3	-902	-144			141818_at	1.5	D	S	2.6	D	S				1.2	U		2.5	U	S	1.2	D	
CG10214					153933_at	2.3	D	S	2.0	D	S	1.1	U		1.2	D		2.5	U	S	1.0	U	

Csl4	246				146231_at	2.0	D	S	1.9	D	S	1.4	D		1.1	D		2.0	U	S	1.0	U	
RNA binding																							
CG3335	-28				148477_at										1.1	D		3.0	U	S	1.3	D	
CG5589	25				142865_at	2.7	D	S	2.5	D	S	2.1	D		1.1	D		3.0	U	S	1.5	D	
Dbp73D	-712	27			141976_at																		
					142656_at	2.8	D	S	1.8	D	S	1.7	D		1.2	D		2.5	U	S	1.1	D	
CG9630					152670_at	2.2	D	S	3.4	D	S	1.5	D		1.2	U		2.4	U	S	1.6	D	
CG11920	23				153152_at	3.5	D	S	2.0	D	S	1.2	D		1.1	D		2.4	U	S	1.3	D	
CG9809	32	587			149278_at	1.7	D	S	2.2	D	S							2.1	U	S	1.1	D	
CG3808	29	633			141727_at													2.1	U	S	1.5	D	
CG9253	16				146573_at	1.8	D	S	2.6	D	S	1.8	D		1.0	D		2.1	U	S	1.0	U	
CG11738	12				154039_at	1.4	D		2.1	D	S	1.6	D	S	1.1	U		2.0	U	S	1.4	D	
CG6937	11				150379_at	1.4	D	S	1.5	D	S	1.5	D		1.3	U		1.8	U	S	1.3	D	
mod	-457	574			154081_at	1.8	D	S	1.8	D	S	1.4	D		1.2	U		1.8	U	S	1.5	D	S
Rnp4F					154594_at	1.0	U		1.1	D		1.1	D		1.2	D		1.1	U		1.7	U	S
l(2)35Df					152101_at	2.6	D	S	2.5	D	S	1.5	D		1.3	D		1.8	U		1.5	D	
CG5800					145251_at	2.1	D	S	2.2	D	S	1.4	D		1.1	D		1.6	U		1.3	D	
CG14230	225	345			154638_at	1.6	D	S	2.0	D	S	1.3	D		1.3	U		2.1	U		1.1	D	
vig	-498				153593_at	1.7	D	S	1.9	D	S	1.3	D		1.0	D		1.3	D		1.2	D	
pit					155149_at	1.7	D	S	2.4	D	S	2.2	D	S	1.1	U		1.8	U		1.4	D	
Mitochondrial function																							
Cpr					141208_at	1.5	D	S	1.2	D		1.1	U		1.2	D		1.0	D		1.2	U	
Cyt-c-p	566				143115_at	1.1	U		1.1	D		1.1	D		1.1	D		1.9	U	S	1.2	D	
Marf	-920	428			153256_at	1.7	D	S	1.4	D	S	1.0	D		1.1	D		1.4	D		1.1	D	
slgA	-160				142569_at													1.6	U		1.1	D	
					151627_s_at													2.2	U	S	1.0	U	
Cyp6a8					141840_at																		
					142189_at	1.8	U	S				1.1	D		2.2	D							
CG8430					154150_at	1.1	D		1.1	U		1.1	U		1.1	D		2.6	D	S	1.1	D	
l(2)tid					141787_at	1.7	D	S	1.3	D		1.0	D		1.1	U		1.6	U		1.1	D	
CG18324					141476_at	1.7	D	S	1.0	U		1.2	U		1.1	U					1.1	D	
CG7943	-368				141740_at	1.6	D	S	1.4	D		1.0	D		1.2	D		1.1	D		1.1	D	
CG2118					153355_at	1.4	D		1.8	D	S	1.1	D		1.0	D		1.2	U		1.1	D	
CG5037					154662_at	1.8	D	S	1.6	D	S	1.3	D		1.1	U		1.2	U		1.2	D	
CG6459	278				154495_at	1.2	D		1.4	D	S	1.8	D	S	1.3	D		1.3	U		1.2	D	
Mgstl					144097_at	1.0	U		1.0	U		1.1	U		1.5	D		3.5	U	S	1.0	D	
CG5946					152426_at	1.3	D		1.1	U		1.0	D		1.3	D		2.8	U	S	1.0	U	
Nmdmc					151767_at	1.2	D		1.8	D	S	1.6	D		1.1	U		2.4	U	S	1.2	D	

CG3011					144561_at	1.0	D		1.4	D	S	1.4	D		1.1	D		2.2	U	S	1.4	D	
DNA repair / DNA replication / chromatin assembly																							
Nap1	244				154024_at	1.2	D	S	1.5	D	S	1.6	D	S	1.1	D		1.3	U		1.3	D	
Mcm10	-848	61	499	858	155063_at	2.5	D	S	1.2	D		1.0	U		1.5	U		1.2	D		1.1	U	
Mcm5					143897_at	1.4	D		1.1	D		1.2	U		1.1	U		2.0	D	S	1.1	U	
Mcm7					154815_at	1.3	D		1.0	U		1.0	U		1.0	U		1.8	D	S	1.0	U	
phr					143303_at	1.0	U		1.1	D		1.3	U		1.2	U		2.0	D	S	1.3	D	
CG4853	-810				153261_at	1.7	D	S	1.1	D								1.1	D		1.2	U	
RnrS					142064_at				1.3	D		1.1	U		1.0	D					1.2	U	
					142872_at	1.1	U		1.1	D		1.1	D		1.1	D		1.8	D	S	1.1	U	
RfC3					146156_at	1.6	D	S	1.1	U		1.0	D		1.1	U		1.2	D		1.1	D	
RpA-70					141948_at				1.2	D		1.1	D		1.2	D					1.2	D	
					142545_at	1.1	D		1.1	D		1.1	U		1.3	D		1.7	D	S	1.2	D	
CG8862	130	313	646		154735_at				1.6	U	S							1.1	D		1.2	D	
CG10395					153967_at	1.9	D	S	1.0	U		1.3	U		1.3	D		1.1	D		1.2	U	
CG4880	-818				153983_at	1.6	D	S	1.1	D		1.1	U		1.4	D		1.1	U		1.2	D	
CG15561	-17				141934_at																1.0	D	
					142497_at													3.6	U	S			
CG9286	-20				153328_at	1.7	D	S	1.9	D	S	1.2	D		1.2	U		2.8	U	S	1.3	D	
CG15019	-85	936			148173_at	2.0	D	S	2.0	D	S	1.7	D	S	1.3	U		2.3	U	S	1.4	D	
Neurotransmission / synaptic vesicle traffic																							
Cirl					146823_at	1.3	U		1.2	D		1.2	U		1.0	U		2.2	D	S	1.2	U	
Syx7					153387_at	1.7	D	S	1.2	D		1.4	U		1.3	D		1.1	U		1.1	U	
Csp	-103				141486_at	1.6	D	S	1.0	U		1.2	U		1.0	U		1.2	U		1.1	U	
tomosyn					142337_at																		
					144955_at																		
					151530_i_at	1.0	D		2.1	D	S	1.1	U								1.2	U	
					151531_s_at																		
					155093_at	1.1	D		1.0	D		1.1	U								1.0	D	
Vap-33-1					154517_at	2.0	D	S	1.5	D	S	1.2	D		1.1	U		1.2	U		1.1	D	
lea	-227				145581_at																1.3	U	
					145582_at													2.3	D	S	1.2	U	
					145583_at													1.1	D		1.1	U	
					145584_at																1.1	U	
Sema-1b					143867_at	1.2	D		1.2	D		1.0	U					2.0	D	S	1.0	U	
ninA					148533_at	1.2	U		1.1	U		1.1	U		1.4	D		1.8	D	S	1.0	D	
unc-5					142635_at	1.3	U		1.2	U		1.4	U								1.2	U	
					147245_at																		

					151656_at	1.7	D	S	1.3	U		1.8	U		1.3	U		1.1	D		1.1	U	
Nmda1					141915_at	1.3	D		1.1	D		1.2	U		1.0	D					1.5	U	
					142415_at	1.8	D	S	1.0	U		1.2	U		1.0	D		3.4	D	S	1.1	D	
Immunity / stress response																							
Dox-A3					141775_at	1.5	U	S	1.1	U		1.0	D		1.2	D							
PGRP-SD	134				148352_at	1.0	D		1.0	U		1.9	U	S	1.7	U							
PGRP-SA					144882_at	1.2	U	S	1.3	U	S	1.7	U	S	1.3	U							
Tl					151935_at	1.6	D	S	1.0	U		1.3	U		1.3	U		1.0	D		1.1	U	
CG10535	-1				153291_at	1.5	D	S	1.5	D	S	1.3	D		1.1	D		1.4	U		1.0	D	
Drs					143605_at	1.0	D		1.1	U		2.8	U	S	1.2	U							
PHGPx					141815_at	1.6	U	S	1.3	U	S	1.1	U		1.3	D		1.1	D		1.0	D	
Spn27A	-712				154259_at	1.0	U		1.3	U		1.9	U	S	1.2	U		1.0	U		1.1	D	
CG10341	17				152902_at	1.5	D	S	2.3	D	S	1.7	D	S	1.2	D		2.9	U	S	1.2	D	
Extracellular matrix																							
LanB1					151856_at	1.2	D		1.1	U		1.8	U	S	1.1	U		1.0	U		1.1	U	
Sgs8					143350_at													23.5	U	S	1.1	D	
CG32354					151303_at																		
					152249_at	1.2	D		1.5	U	S	2.6	U										
dp					145764_at																1.9	U	S
Lcp4					143235_at													1.1	D		2.6	D	S
Lcp1					143232_at													1.3	D		1.9	D	S
Lcp2					143233_at													1.2	D		1.7	D	S
CG8502	185				141397_at													1.7	U	S	1.1	U	
Apoptosis																							
Ice					152941_at	1.1	D		1.2	U		1.0	U		1.4	D		1.9	D	S	1.0	D	
CG7263					154947_at	1.5	D		1.6	D	S	1.0	D		1.0	D		1.1	U		1.4	D	
p53	979				150416_at	1.1	U		1.1	U		1.2	U		1.1	U		2.1	U	S	1.1	U	
unk					143458_at	1.3	D		1.3	D		1.1	D					2.2	D	S	1.3	U	
CG14722	298				154037_at	1.9	D	S	1.5	D	S	1.1	D		1.1	D		1.8	U		1.3	D	
MESR4					147376_at	1.2	D		1.5	D	S	1.3	D		1.5	D		1.0	U		1.3	U	
CG32130					148716_at																		
					151834_at													1.9	U	S	1.6	U	
Chromatin structure / general PolII transcription																							
Taf4					142999_at	1.6	D	S	1.2	D		1.1	U		1.4	D		1.2	D		1.2	U	
					151747_s_at	1.2	D		1.3	D		1.0	U		1.6	D		1.5	D		1.4	U	
RpII215					155027_at	1.8	D	S	1.2	D		1.1	U		1.4	D		1.3	D		1.2	U	
Rpb5	536				146974_at	1.5	D	S	1.7	D	S	1.4	D		1.1	D		1.5	U		1.2	D	

spt4					142904_at	1.7	D	S	1.1	U		1.1	U		1.1	D		1.1	U		1.1	D	
					151714_at																		
Spt5					152632_at	1.0	D		1.1	U		1.1	U		1.1	D		1.7	D	S	1.0	U	
E(bx)					147914_at	1.4	D		1.4	D		1.3	U					1.6	D		1.1	U	
					147915_at	1.1	U		1.3	D		1.0	U					2.2	D	S	1.1	U	
					147916_at				2.6	D	S							2.3	D		1.2	U	
CG6751	-641	29			154076_at	1.7	D	S	2.2	D	S	2.0	D	S	1.0	D		2.1	U		1.3	D	
Various																							
wus					154066_at				1.2	U								1.8	D	S	1.0	U	
l(2)37Cc					152440_at	1.2	D		1.6	D	S	1.3	D		1.3	D		1.1	U		1.1	D	
l(2)09851	35	830			146653_at	1.7	D	S	2.3	D	S	1.7	D	S	1.3	D		2.5	U	S	1.3	D	
bgcn					141854_at																		
					142234_at	1.8	D	S	2.3	D	S				1.3	D		1.8	U		1.3	D	
					147811_at																		
lig					155119_at	1.5	D	S	1.0	D		1.0	U		1.2	D		1.0	U		1.0	D	
dah					153153_at	1.1	D		1.2	U		1.2	U		1.1	D		2.3	D	S	1.1	D	
CG1994	-17				144714_at	2.3	D	S				4.1	D	S	1.1	D		4.0	U	S	1.9	D	S
CG3091					142199_at	1.0	D		1.4	U		3.1	U	S	2.5	U	S						
CG32982					146070_at	1.1	U		1.0	U		1.0	U		1.2	D		2.3	D	S	1.3	U	
					146071_at	1.1	U		1.3	D											1.1	U	
					152498_at	1.3	U		1.2	U		1.3	U		1.3	U					1.1	U	
Incenp					141608_at	1.1	U		1.1	U		1.1	U		1.3	D		2.2	D	S	1.1	U	
sip2					145935_at	1.2	U		1.1	U		1.1	U		1.5	D		1.8	D	S	1.2	U	
CG17836	-944				141483_at	1.2	U		1.2	U		1.2	U		1.1	U		1.6	D	S	1.0	U	
bnb					152418_at													1.6	U		2.9	U	S
CG32767					144505_at	1.1	D		1.4	D		1.1	D					1.3	D		1.6	U	S
					144506_at																		
CG31637					145906_at				1.1	D													
					154703_at	2.0	D	S	1.1	U		1.6	U		1.3	U		1.5	U		1.1	D	
CG11811					152077_at	1.8	D	S	1.1	D		1.1	U		1.1	D		1.0	D		1.0	D	
CG8668					154502_at	1.8	D	S	1.2	D		1.2	U		1.2	D		1.2	U		1.3	U	
slim	-904				152991_at	1.7	D	S	1.1	D		1.1	D		1.2	D		1.1	D		1.2	U	
Nup153					141207_at	1.6	D	S	1.5	D		1.1	D		1.5	D		1.0	U		1.0	D	
CG11255					152613_at	1.6	D	S	1.5	D	S	1.4	D		1.3	D		1.5	U		1.0	D	
CG31224					153102_at	1.6	D	S	1.1	D		1.1	U		1.2	D		1.2	D		1.1	U	
					153568_at																		
yps					154807_at	1.5	D	S	1.2	D		1.1	D		1.2	D		1.1	U		1.1	D	
Ngp	41				141785_at	1.8	D	S	2.6	D	S	1.2	D		1.1	U		1.8	U		1.3	D	

Nufip					153331_at	1.9	D	S	2.5	D	S	1.7	D					1.7	U				
CG13397					141346_at	1.3	D		2.4	D	S	1.5	D		1.4	U							
CG10903					149471_at	1.0	D		1.8	D	S	1.8	D		1.1	D		2.0	U		1.2	D	
larp					153228_at	1.6	D	S	1.7	D	S	1.0	D		1.2	D		1.0	U		1.0	U	
Tsp3A					144411_at	1.3	D		1.7	D	S	1.2	U								1.0	U	
CG32626					151340_at	1.3	U		1.6	D	S	1.0	D										
					151341_at																		
					152306_at	1.5	U	S	1.3	U	S	1.0	D		1.1	D		1.3	D		1.2	U	
CG1662	163				152076_at	1.1	D		1.5	D	S	1.5	D		1.3	D		1.4	U				
metl	385				154782_at	1.7	D	S	1.5	D	S	1.1	D		1.1	U		1.2	U		1.1	D	
nudC					148915_at	1.5	D	S	1.5	D	S	1.2	D		1.0	U		1.4	U		1.1	D	
CG4038	36				143696_at	1.8	D	S	2.6	D	S	2.3	D	S	1.4	D		1.8	U		1.4	D	
spas	-921				154205_at	1.1	D		1.0	D		1.1	D					4.2	U	S	1.2	U	
Mgstl-&PSgr					146619_i_at	1.1	D		1.0	U		1.2	U		1.6	D		3.2	U	S	1.2	U	
					146620_s_at	1.2	U		1.1	U		1.0	U		1.3	D		2.7	U	S	1.0	D	
Acyp2	970				149974_at	1.3	D		1.1	U		1.2	U		1.2	D		2.9	U	S	1.1	U	
Gip					143691_at	1.1	D		1.3	D		1.1	D		1.1	D		2.8	U	S	1.1	U	
ppan	16				143634_at	2.3	D	S	3.6	D	S	1.3	D		1.2	U		2.8	U	S	1.3	D	
lama					153774_at	1.0	D		1.1	U		1.1	U		1.3	D		2.6	U	S	1.2	D	
CG1965	-57				151951_at	1.5	D		1.0	U		1.1	D		1.3	D		2.5	U	S	1.1	U	
CG6697					154017_at	1.1	U		1.3	U		1.0	U		1.1	D		2.3	U	S	1.1	U	
Mpp6					146574_at				1.4	D		1.4	D		1.2	D		2.3	U	S	1.4	U	
pen	16				154002_at	1.9	D	S	2.7	D	S	1.5	D		1.0	D		1.9	U	S	1.3	D	
Dgp-1					144194_at	1.2	D		1.3	D		1.2	U		2.3	D		1.8	U	S	1.3	D	
Nrt					142670_at																1.4	U	
					151661_s_at	1.0	D		1.1	U		1.2	D		1.9	U		1.8	U	S	1.1	U	
Uhg1	-14	336	498		151217_at													1.7	U	S			
melt					143969_at													2.2	D	S	1.4	U	
Cyp9f3&PSgr					149768_s_at	1.4	U	S	1.1	D		1.5	U	S	1.0	D		1.0	U		1.2	U	
msb1l					154597_at	1.1	D		1.1	U		1.1	D		1.0	D		2.1	D	S	1.1	U	
nord	-735				147847_at																		
					147849_at													1.7	D		1.9	U	S
Mys45A	5				146866_at	2.2	D	S							1.1	U		1.9	U		1.4	D	
Mkrn1					149186_at	2.0	D	S	1.1	D		1.1	D		1.3	D		1.4	D		1.1	U	
Mlf					155053_at	1.9	D	S	1.4	D		1.1	U		1.2	D		1.3	D		1.1	D	
MESK2					147624_at																		
					151859_at	1.8	D	S	1.2	D		1.1	U		1.2	U		1.3	U		1.2	D	
JhI-1	-480	-369			146935_at	1.6	D	S	1.3	D		1.4	D		1.1	D		1.2	U		1.4	D	

Sh3&bgr					142588_at																		
					151636_at	1.5	D	S	1.0	U		1.1	U		1.1	D		1.3	U		1.1	U	
sle	493				142481_at	1.4	D	S	1.5	D	S	1.0	D		1.4	D		1.1	U		1.0	D	
					151588_s_at				2.4	D	S							2.2	D		1.0	D	
ast					141517_at	2.0	D	S	2.4	D	S	1.3	D		1.0	D		1.1	U		1.1	U	
bor	-594				154554_at	2.1	D	S	1.9	D	S	1.5	D		1.3	D		1.3	U		1.3	D	
Unknown																							
CG17931					150009_at	2.5	D	S	1.1	D		1.1	U		1.1	U		1.1	U		1.1	D	
CG15695					150279_at	1.8	U	S	1.0	U													
CG15381					151193_f_at	1.6	U	S	1.0	D		1.3	U		1.4	U		1.4	D		1.3	U	
CG10383					152901_at	1.6	U	S	1.6	U	S	1.0	D		1.2	D		1.1	U		1.0	D	
CG16762					148048_at	1.1	U		1.3	U		2.5	U	S	1.1	U							
CG14629					152743_at							2.3	U	S	1.6	U							
CG18088					146056_at	1.2	D		1.0	U		2.2	U	S	1.1	D							
CG6124					150710_at	1.3	D		1.1	U		1.9	U	S	1.3	U							
CG18606	-904	-654			147486_i_at	1.1	U		1.3	U		1.9	U	S	1.1	U					1.0	D	
					147487_r_at																		
CG10131					152931_at							1.9	U	S	1.4	U							
CG3984					149938_at	1.2	U		1.2	U		1.9	U	S	1.2	D							
CG13877					147912_at	1.2	D		1.1	U		1.8	U	S	1.2	U							
CG10618					141886_at																		
					142324_at	1.1	U		1.0	U		1.6	U	S	1.5	D					1.3	U	
CG14969					152988_at	1.1	U		1.3	U		1.6	U	S	1.0	D		1.0	U		1.1	U	
CG15209					144829_at	1.2	U		1.3	U	S	1.5	U	S	1.4	U							
CG2813					153868_at	1.3	D		1.0	U		1.7	U		1.8	D		6.0	D	S	1.0	U	
CG7730	760				154559_at	1.2	D		1.1	D		1.2	U		1.1	D		4.1	D	S	1.1	U	
CG12581					153157_at													3.4	D	S	1.1	U	
CG5059					142014_at																		
					142737_at	1.1	D		1.3	U		1.1	U		1.2	U		2.8	D	S	1.2	U	
CG1244	519				154100_at	1.3	D		1.2	D		1.2	U		1.1	D		2.6	D	S	1.2	U	
CG11451					149147_at	1.5	D		1.4	D		1.2	U		1.5	D		2.5	D	S	1.3	U	
CG5830					148839_at	1.4	D		1.2	D		1.3	U		1.2	D		2.4	D	S	1.3	D	
CG11699					144883_at	1.3	U		1.0	U		1.1	U		1.1	D		2.4	D	S	1.0	U	
CG12026					141428_at													2.3	D	S	1.1	U	
CG16885					146350_s_at	1.0	D		1.2	D								2.2	D	S	1.3	D	
					146351_i_at																1.1	D	
					146352_r_at																1.2	D	
CG14430	318				144635_at	1.2	U		1.0	U								2.2	D	S	1.1	U	

CG2818	-982				154114_at	1.1	D		1.1	D		1.2	D		1.6	D		2.1	D	S	1.1	U	
CG8561					147192_at													2.1	D	S	1.1	U	
CG10191					153557_at	1.2	D		1.1	U		1.1	U		1.5	D		2.1	D	S	1.2	U	
CG10722					153787_at	1.2	D		1.1	D								2.1	D	S	1.2	U	
SP1173	-332				152553_at													2.0	D	S	1.1	U	
CG10176					146436_at													1.7	D	S	1.3	U	
CG3624					152370_at	1.3	U		1.1	U		1.4	U		3.9	U	S	1.7	D	S	1.0	D	
CG12159					146775_at	1.1	D		1.2	U		1.5	U		1.2	U		1.1	U		2.0	U	S
CG8483					154850_at													1.2	D		1.6	U	S
CG6896					142928_at				1.3	D													
					151721_at	2.7	D	S	1.1	D		2.0	U		1.2	U					1.1	D	
CG6550					153079_at	2.4	D	S							1.2	D		2.2	U		1.2	D	
CG15141					154299_at	2.1	D	S	1.1	D											1.1	D	
CG10080					141651_at	2.1	D	S	1.6	D		1.1	D		1.2	U		1.8	U		1.2	D	
CG6421					144100_at																		
					155133_at	2.1	D	S	1.8	D		1.5	D		1.4	D					1.1	D	
CG5098					142629_at	1.3	D		1.5	D		1.1	D					1.1	D		1.4	U	
					151652_at	2.0	D	S	1.5	D		1.2	U		1.4	D		1.2	D		1.2	U	
CG18604					142636_at				1.2	D											1.1	U	
					151657_at	2.0	D	S	1.1	D		1.6	U		1.1	D		1.1	D		1.2	U	
CG3226					153789_at	1.9	D	S	1.0	U		1.2	U		1.3	U		1.2	U		1.1	U	
CG17912					142747_at																		
					151671_at	1.9	D	S	1.1	U											1.1	U	
CG10495	-30				153552_at	1.9	D	S	1.3	D		1.1	D		1.0	U		1.4	U		1.0	U	
CG9386	177				149564_at	1.9	D	S	1.3	D		1.1	U		1.2	U		1.6	U		1.0	D	
CG9047					142263_at	1.2	U		1.1	U		1.5	U		1.2	D		1.1	D		1.1	U	
					151506_at	1.9	D	S	1.0	D		1.4	U		1.1	U		1.6	D		1.1	U	
CG32428					151117_at	1.3	D		1.1	D		1.5	D					1.1	D		1.2	U	
					155007_at	1.9	D	S	1.4	D	S	1.3	D		1.4	D		1.0	D		1.1	U	
CG13694					142106_at	1.8	D	S	1.2	D		1.3	U		1.4	U							
					143010_at																		
CG1575	-830	518			155108_at	1.8	D	S							1.2	U							
CG11417	9	674			154171_at	1.8	D	S				1.5	D										
CG4278					154440_at	1.8	D	S	1.3	D		1.1	U		1.1	D		1.7	U		1.2	D	
CG4281	69				152343_at	1.8	D	S	1.2	D		1.1	U		1.4	D		1.1	D		1.3	U	
CG18316					152995_at	1.8	D	S	1.0	D		1.3	U		1.3	U		3.2	D	S	1.6	U	S
CG7800					152374_at	1.8	D	S	1.1	D		1.2	U		1.3	D		1.2	U		1.3	D	
CG7987	-243				142970_at	1.8	D	S	1.5	D		1.2	U		1.2	D		1.8	U		1.1	U	

CG5319					142530_at	1.0	D		1.1	D		1.1	U		1.2	D		1.0	U		1.0	U	
					151609_at	1.8	D	S	1.2	U		1.3	U		1.4	D		1.4	D		1.2	U	
CG14210	1				145381_at	1.8	D	S															
CG7670					153349_at	1.7	D	S	1.0	U		1.0	U		1.1	D		1.8	D		1.1	U	
CG1675					146907_at	1.7	D	S	1.1	D		1.1	U		1.1	D		1.6	U		1.3	D	
CG11033	-827				142996_at													1.0	D		1.2	D	
					151745_at	1.7	D	S	1.0	U		1.1	U		1.4	D		1.4	D		1.1	U	
CG4957					141923_at																		
					142449_at	1.7	D	S	1.5	D		1.2	U		1.0	D		1.8	U		1.6	U	
CG11279					148695_at	1.7	D	S	1.4	D		1.3	D		1.0	U		2.0	U		1.3	D	
CG7668					153234_at	1.7	D	S	1.0	U		1.2	U		1.1	D		1.1	D		1.1	U	
CG7506					151858_at	1.7	D	S	1.2	D		1.4	D		1.1	U		1.1	U		1.1	D	
CG11444	-352				153333_at	1.7	D	S	1.3	D		1.2	D		1.1	D		1.6	U		1.2	D	
CG3420					142004_at																		
					142715_at	1.7	D	S	1.2	D		1.0	D		1.2	D					1.0	U	
CG7516	25	936			154953_at	1.7	D	S	1.6	D								1.7	U		1.3	D	
CG14648					142781_at	1.2	D		1.1	U		1.2	D		1.3	D		1.0	D		1.1	D	
					151683_at	1.6	D	S	1.1	D		1.1	D		1.0	D		1.1	D		1.0	U	
CG6194	664				153901_at	1.6	D	S	1.0	U		1.0	D		1.1	D		1.3	U		1.2	D	
CG9795					154414_at	1.6	D	S	1.4	D		1.2	D		1.1	D		1.1	U		1.4	U	
CG15881					153375_at	1.6	D	S	1.2	D		1.1	U		1.2	U		1.1	U		1.0	D	
CG15433	48				145760_at	1.6	D	S	1.5	D	S	1.1	D		1.0	U		1.5	U		1.2	D	
CG1416					155036_at	1.6	D	S	1.2	D		1.1	U		1.4	U		1.1	U		1.2	D	
CG8229					154406_at	1.5	D	S	1.3	D		1.0	D		1.0	U		1.1	U		1.2	D	
CG31342					149810_at	1.2	U		1.4	D		1.1	D					1.3	D		1.0	U	
					154631_at	1.5	D	S	1.1	D		1.4	U		1.0	D		1.1	D		1.0	U	
CG1371					141706_at	1.5	D	S	1.4	D	S	1.0	D		1.2	D		1.3	D		1.1	D	
CG9324					153490_at	1.5	D	S	1.1	U		1.1	U		1.2	D		2.1	D	S	1.2	D	
CG7950	229	237			153139_at	1.5	D	S	1.4	D	S	1.5	D		1.0	D		1.2	U		1.0	U	
CG17295					146028_at	1.5	D	S	1.1	U		1.1	U		1.2	U		1.5	U		1.1	U	
CG6181					154620_at	1.5	D	S	1.1	D		1.2	U		1.3	D		1.2	D		1.1	D	
CG32708					143025_at	1.5	D	S	1.3	D		1.3	D		1.1	D		1.3	U		1.1	D	
CG17385					147201_at	1.5	D	S	1.0	D		1.0	D		1.3	D		1.3	U		1.1	D	
CG9318					155059_at	1.5	D	S	1.0	U		1.2	U		1.1	D		1.1	U		1.2	U	
CG6833	546	892			152845_at	1.5	D	S	1.0	D		1.1	D		1.4	D		1.0	U		1.1	D	
CG14224	362				142855_at													1.1	D				
					151703_at	1.5	D	S	1.1	D		1.0	U		1.3	D		1.2	U		1.1	U	
CG7728	26				154829_at	2.2	D	S	2.7	D	S	1.3	D		1.0	D		1.1	U		1.3	D	

CG11180	-98				153192_at	2.5	D	S	2.5	D	S	2.0	D		1.2	D		1.9	U		1.2	U	
CG5645	26				153460_at				2.3	D	S										1.5	D	
CG2972	17				153909_at	1.6	D	S	2.3	D	S	1.6	D		1.1	D		1.6	U		1.2	D	
CG8368					148285_at	3.1	D	S	2.3	D	S	1.7	D		1.2	D		1.9	U		1.5	D	
CG10286	40				152411_at	2.3	D	S	2.1	D	S	1.4	D		1.0	D		1.6	U		1.3	D	
CG14788	34				141845_at																		
					142203_at	1.7	D	S	2.1	D	S	1.7	D		1.2	D		1.7	U		1.5	D	S
CG9107					154505_at	1.5	D	S	2.0	D	S	1.6	D		1.0	U		2.0	U		1.2	D	
CG3735	30				154746_at	2.0	D	S	2.0	D	S	1.1	D		1.2	D		1.9	U		1.0	D	
CG32763	13	137			154033_at				2.0	D	S	1.8	D		1.2	D		1.9	U		1.3	D	
CG2614					153768_at	1.8	D	S	1.9	D	S	1.1	D		1.1	U		1.6	U		1.0	U	
CG8327	11				152178_at	1.1	D		1.9	D	S	1.5	D		1.3	D		1.9	U		1.5	D	
CG10189	378				152470_at	1.4	D		1.9	D	S	1.3	D		1.0	D		1.4	U		1.1	D	
CG4069	30				141287_at	2.0	D	S	1.9	D	S	1.3	D		1.0	D					1.2	D	
CG12134	217				146915_at	1.9	D	S	1.9	D	S	1.4	D		1.4	D		1.6	U		1.2	D	
CG15867	-343				151423_at	1.1	U		1.8	D	S										1.2	U	
CG33129					146211_at	1.0	U		1.1	D		1.0	D		1.3	D		1.1	D		1.0	U	
					146212_at	1.1	D		1.8	D	S	1.2	D		1.2	D		1.2	U		1.0	D	
CG3224	212				144605_at	1.3	D		1.8	D	S	1.4	D		1.1	U					1.0	U	
CG3709					145515_at	1.7	D		1.8	D	S	1.4	D		1.6	D		2.0	U		1.6	D	
CG8675	230	316			153631_at	1.5	D		1.8	D	S	1.0	D		1.0	U		1.9	U		1.2	D	
CG9123					142027_at																		
					142782_s_at	1.7	D	S	1.8	D	S	1.5	D		1.0	U		1.3	U		1.0	D	
CG30497					146765_at	1.1	U		1.2	D		1.1	U		1.6	D							
					146766_at	1.0	D		1.8	D	S	1.0	U										
CG9890					147737_at	1.3	D		1.7	D	S				1.0	D		1.6	U		1.2	U	
CG2875	816				154029_at	1.9	D	S	1.7	D	S	1.4	D		1.3	D		1.6	U		1.1	D	
CG11123	-849				146739_at	1.9	D	S	1.7	D	S	1.1	D		1.2	D		2.0	U		1.2	D	
CG2260	7	364			154955_at	1.5	D		1.7	D	S				1.0	D		1.5	U		1.1	D	
CG14543	769				150641_at	1.4	D		1.7	D	S	1.4	D		1.1	U		1.5	U		1.4	D	
CG4975	745				147394_at	1.3	D		1.7	D	S	1.3	D		1.2	D		1.6	U		1.2	D	
CG1074					141546_at	1.6	D	S	1.7	D	S	1.3	D		1.1	D		1.8	U		1.2	D	
CG12592					143043_s_at	1.1	D		1.7	D	S	1.1	D		1.5	D		1.0	D		1.2	D	
					151759_s_at	1.5	D	S	1.4	D	S	1.0	D		1.4	D		1.1	U		1.1	U	
CG15771					142223_at	1.1	D		1.3	D		1.1	U		1.1	D		1.2	U		1.1	D	
					151499_at	1.4	D		1.7	D	S	1.2	U		1.2	U		1.6	U		1.2	U	
CG8002					145362_at	1.2	U		1.7	D	S	1.1	U					1.1	D		1.4	U	
CG9922					149869_at	1.4	D		1.6	D	S	1.3	D		1.3	U		1.4	U		1.2	D	

l(3)s1921					142561_at	1.4	D		1.6	D	S	1.3	D		1.2	D		1.6	U		1.1	U	
CG5290	186	195			141652_at	1.7	D	S	1.6	D	S	1.4	D		1.3	U		1.2	U		1.1	D	
CG12797					154566_at	1.1	D		1.5	D	S	1.0	U		1.1	D		1.5	U		1.0	U	
CG4364	-421				154393_at	1.8	D	S	2.3	D	S	2.2	D	S	1.5	U		1.1	U		1.3	D	
CG10805	-13				141566_at	2.1	D	S	2.7	D	S	2.0	D	S	1.2	U		1.6	U		1.5	D	
CG2982	39				154908_at				1.9	D	S	1.9	D	S				1.8	U		1.1	D	
CG14434					144625_at	1.2	D		1.4	D	S	1.8	D	S	1.1	D		1.1	D		1.1	D	
CG3251	-568	-172			145773_at	1.0	D		1.5	D	S	1.7	D	S	1.3	D							
CG7519					149182_at	1.3	D		1.6	D	S	1.6	D	S	1.6	D		1.5	U		1.1	D	
CG5047					142738_at	1.3	D		1.4	D		1.1	D		1.3	D		5.3	U	S	1.3	D	
CG11563	22				150954_at	1.8	D	S	3.4	D	S	1.5	D		1.0	U		3.7	U	S	1.3	D	
CG3259					149889_at													3.2	U	S	1.3	U	
CG9799	6	440			141659_at	1.8	D	S	2.1	D	S	1.8	D	S	1.0	U		3.1	U	S	1.4	D	
CG11604	416				153448_at	2.4	D	S	3.7	D	S	2.7	D	S	1.2	D		3.1	U	S	1.4	D	
CG9246	34				155156_at	2.2	D	S	2.1	D	S	1.3	D		1.5	U		3.0	U	S	1.1	D	
CG18178	109				151938_at	2.2	D	S	2.8	D	S	1.6	D		1.0	D		3.0	U	S	1.2	D	
CG7338					154433_at	2.0	D	S	2.8	D	S	1.6	D		1.1	D		2.9	U	S	1.6	D	S
l(3)07882	45	237			153862_at	1.9	D	S	1.6	D		1.7	D		1.1	U		2.9	U	S	1.1	D	
CG15027	-38				145101_at	2.1	D	S	2.5	D	S				1.1	U		2.8	U	S	1.1	D	
CG11880					141361_at	1.3	D		1.3	U		1.1	D		1.4	D		2.8	U	S	1.2	U	
CG12325	40				153712_at	2.5	D	S				2.3	D	S	1.2	D		2.7	U	S	1.1	D	
CG7137	41				153734_at	1.8	D	S	1.8	D		1.4	D		1.1	D		2.6	U	S	1.1	D	
CG12785	19				155019_at	2.4	D	S	2.5	D	S	1.8	D		1.1	D		2.6	U	S	1.4	D	
CG7637	-726	-43			146963_at	2.0	D	S	2.3	D	S	1.6	D		1.0	U		2.6	U	S	1.6	D	
CG7006	-500	-380	28		142493_at	1.7	D	S	2.1	D	S	1.5	D		1.2	D		2.5	U	S	1.3	D	
CG5558	23	29			153877_at	2.1	D	S	1.8	D		1.1	U		1.4	U		2.5	U	S	1.2	D	
CG7993	36				151780_at	1.2	D		1.6	D	S				1.2	U		2.5	U	S			
CG6724	217				146191_at	1.8	D	S	1.7	D	S	1.7	D		1.0	U		2.4	U	S	1.2	D	
CG7845	-697	24			141258_at	2.9	D	S	3.5	D	S	2.0	D	S	1.4	D		2.4	U	S	1.6	D	
CG1381	29				141230_at	1.6	D	S	2.3	D	S	2.1	D	S	1.1	U		2.4	U	S	1.5	D	
CG12093					142691_at	1.1	D		1.1	U		1.0	U		1.4	D		2.4	U	S	1.1	D	
CG4554	-6				153124_at	2.0	D	S	3.1	D	S				1.0	U		2.4	U	S	1.3	D	
CG18135					155139_at				1.1	D		1.3	U					2.3	U	S	1.5	U	
CG13773					152912_at	1.7	D	S	2.1	D	S	1.7	D		1.0	U		2.3	U	S	1.2	D	
CG3817					153284_at	1.5	D		1.1	D		1.2	D		1.0	U		2.3	U	S	1.3	D	
CG30118	424				147439_at	1.2	D		1.4	D								1.3	U		1.1	D	
					152372_at	1.2	D		1.4	D								2.3	U	S	1.0	D	
CG30349	90	236			146843_at	1.6	D	S	2.5	D	S	2.0	D	S	1.2	D		1.9	U	S	1.5	D	

					146844_at	1.8	D	S	2.7	D	S	2.1	D	S	1.0	D		2.3	U	S	1.6	D	
CG12975					149168_at	1.7	D	S	2.0	D	S	1.4	D		1.2	D		2.3	U	S	1.2	D	
CG14701					149679_at	1.4	D		1.4	D	S	1.5	D		1.5	D		2.3	U	S	1.3	D	
CG10648	10				144716_at	1.3	D		4.0	D	S	2.4	D	S	1.5	D		2.3	U	S	1.7	D	
CG15014	153				148169_at	1.5	D		1.3	D		1.3	D		1.7	D		2.3	U	S	1.1	D	
CG14286					150175_at	1.4	D		1.4	D		1.0	D		1.2	D		2.3	U	S	1.1	D	
CG10220	25				142621_at	1.1	D		1.2	D		1.1	U		1.2	D		1.3	D		1.1	U	
					151647_at	2.4	D	S	2.8	D	S	1.4	D		1.1	D		2.2	U	S	1.9	D	
CG5114	14				153148_at	1.2	D		2.3	D	S	1.9	D	S	1.2	D		2.2	U	S	1.2	D	
CG9422	-637	15			146687_at	1.1	D		1.2	D		1.1	U		1.0	D		2.2	U	S	1.1	D	
CG1234					154719_at	2.0	D	S	3.0	D	S	2.2	D	S	1.1	D		2.2	U	S	1.2	D	
CG12128	33				153156_at	2.4	D	S	2.5	D	S	1.3	D		1.0	D		2.2	U	S	1.4	D	
CG7841	-221				148805_at													2.1	U	S			
CG6509					146243_at	1.4	D		1.1	D		1.0	D		1.3	D		2.1	U	S	1.2	U	
CG9986					154402_at	1.3	U		1.1	U		1.0	D		1.3	D		2.0	U	S	1.0	D	
CG3983	135	727			150045_at	3.3	D	S	2.3	D	S	1.6	D		1.2	U		2.0	U	S	1.4	D	
CG14550	810				150642_at	1.2	D		1.1	D		1.0	D		1.0	D		2.0	U	S	1.3	D	
CG8816	63				147104_at	1.8	D	S	2.8	D	S	1.5	D		1.0	D		2.0	U	S	1.2	D	
CG7989	30				153875_at	1.7	D	S	2.5	D	S	1.5	D		1.6	D		2.0	U	S	1.1	D	
CG11076	806				150993_at	2.3	D	S	2.0	D	S	1.6	D		1.4	D		2.0	U	S	1.3	D	
CG1785	-454	19			152691_at	1.9	D	S	2.4	D	S	2.1	D	S	1.2	D		1.9	U	S	1.2	D	
CG8064	25				151766_at				2.2	D	S				1.4	D		1.9	U	S	1.3	D	
CG12301	-12				154570_at	1.3	D								1.1	D		1.9	U	S	1.2	D	
CG3353	-946	34			150304_at	1.6	D	S	2.2	D	S	1.5	D		1.2	D		1.9	U	S	1.2	D	
CG18166					144345_s_at	1.6	D	S	2.4	D	S	1.3	D		1.5	D		1.8	U	S	1.1	D	