

## Associations between gene expression profiles of invasive breast cancer and Breast Imaging Reporting and Data System MRI lexicon

Ga Ram Kim, You Jin Ku, Soon Gu Cho, Sei Joong Kim<sup>1</sup>, Byung Soh Min<sup>2</sup>

Departments of Radiology and <sup>1</sup>Surgery, Inha University Hospital, Inha University School of Medicine, Incheon, <sup>2</sup>Department of Surgery, Severance Hospital, Yonsei University College of Medicine, Seoul, Korea

**Purpose:** To evaluate whether the Breast Imaging Reporting and Data System (BI-RADS) MRI lexicon could reflect the genomic information of breast cancers and to suggest intuitive imaging features as biomarkers.

**Methods:** Matched breast MRI data from The Cancer Imaging Archive and gene expression profile from The Cancer Genome Atlas of 70 invasive breast cancers were analyzed. Magnetic resonance images were reviewed according to the BI-RADS MRI lexicon of mass morphology. The cancers were divided into 2 groups of gene clustering by gene set enrichment analysis. Clinicopathologic and imaging characteristics were compared between the 2 groups.

**Results:** The luminal subtype was predominant in the group 1 gene set and the triple-negative subtype was predominant in the group 2 gene set (55 of 56, 98.2% vs. 9 of 14, 64.3%). Internal enhancement descriptors were different between the 2 groups; heterogeneity was most frequent in group 1 (27 of 56, 48.2%) and rim enhancement was dominant in group 2 (10 of 14, 71.4%). In group 1, the gene sets related to mammary gland development were overexpressed whereas the gene sets related to mitotic cell division were overexpressed in group 2.

**Conclusion:** We identified intuitive imaging features of breast MRI associated with distinct gene expression profiles using the standard imaging variables of BI-RADS. The internal enhancement pattern on MRI might reflect specific gene expression profiles of breast cancers, which can be recognized by visual distinction.

[Ann Surg Treat Res 2017;93(1):18-26]

**Key Words:** Breast neoplasms, Magnetic resonance imaging, Gene expression profiling

### INTRODUCTION

Better understanding of the biological behavior and prognosis of each subtype of breast cancer has become a critical issue in patient management because breast cancer is a heterogeneous disease in which each distinct subtype shows as distinguishable clinical course and prognosis [1-3]. In clinical practice, immunohistochemical criteria has been established to define breast cancer subtypes with the use of different prognostic information and treatment approaches have been tailored according to immunohistochemical subtype [1].

Since a small piece of cancer mass, a size generally used for immunohistochemical staining, cannot sufficiently reflect the whole breast cancer burden, there have been many reports that describe the imaging characteristics of each subtype [4-7]. To note, breast MRI has offered not only structural but also functional properties of cancers analyzed mainly with computerized calculation [6,8]. Furthermore, as more studies have been published on the gene expression profiles of breast cancer [9], several studies have focused on the relationship between gene expression and computer-derived MRI phenotypes of breast cancer to propose noninvasive prognostic biomarkers

Received December 28, 2016, Revised February 10, 2017,  
 Accepted February 13, 2017

Corresponding Author: Byung Soh Min

Department of Surgery, Severance Hospital, Yonsei University College of Medicine, 50-1 Yonsei-ro, Seodaemun-gu, Seoul 03722, Korea

Tel: +82-2-2228-2100, Fax: +82-2-313-8289

E-mail: bsmin@yuhs.ac

Copyright © 2017, the Korean Surgical Society

Annals of Surgical Treatment and Research is an Open Access Journal. All articles are distributed under the terms of the Creative Commons Attribution Non-Commercial License (<http://creativecommons.org/licenses/by-nc/4.0/>) which permits unrestricted non-commercial use, distribution, and reproduction in any medium, provided the original work is properly cited.

through MRI [10-13]. However, computer-derived calculated parameters might be difficult to apply in actual routine practice, because the interpretation of breast MRI is generally based on the Breast Imaging Reporting and Data System (BI-RADS) by the American College of Radiology; to our knowledge, a study on the gene expression of breast cancers according to the BI-RADS MRI lexicon has not been reported.

Therefore, we intended to evaluate whether the BI-RADS MRI lexicon could reflect the genomic information of breast cancers by matching data sets of breast MRI from The Cancer Imaging Archive (TCIA) and gene expression profiles from The Cancer Genome Atlas (TCGA) and to suggest intuitive imaging features as biomarkers rather than complicated computer-derived parameters [14,15].

## METHODS

### Study sample

Open data accessible to the public which included clinical, pathologic, and immunohistochemical stain information were downloaded from TCGA and TCIA (<http://www.cancerimagingarchive.net/>); the data were de-identified. Eighty-six patients had breast MRI results available that corresponded to TCGA data. Sixteen out of the 86 patients were excluded for the following reasons: uncertain visualization of a proven malignancy on magnetic resonance (MR) images ( $n = 4$ ) and nonmass enhancement on MR images as a proven malignancy ( $n = 12$ ). Finally, a total of 70 patients (median age, 54.5 years; interquartile range, 45.7–63.3 years) were included in this study. We downloaded breast cancer level 3 mRNA microarray data from the Genomic Data Analysis Center Firehorse website (<http://gdac.broadinstitute.org/>) [16]. The data set was a median-based integrated expression data set assembled using column-centered level 3 data. The immunohistochemical subtypes of breast cancers determined by estrogen receptor (ER), progesterone receptor (PR) and human epidermal growth factor receptor type 2 (HER2) statuses were categorized according to the clinical guideline issued by the American Society of Clinical Oncology and the College of American Pathology [15,17,18]. The subtypes were classified as follows according to ER, PR, and HER2: luminal (ER positive or PR positive, regardless of HER2 positivity [luminal A, luminal B and luminal-HER2 types were all included]; HER2-enriched (ER negative, PR negative, and HER2 positive); and triple-negative (ER negative, PR negative, and HER2 negative) subtypes [1,2].

### Image analysis

Two radiologists (GRK and YJK) with 6 and 8 years of breast imaging experience reviewed the 70 MRI examinations according to BI-RADS and were blinded to TCGA data [19]. They assessed the lesion on DICOM files by using a picture archiving

and communication system (Maroview 5.4; Innfinit, Seoul, Korea) with high-resolution monitors. The MR images for the 70 cancers were analyzed based on the BI-RADS MRI lexicon for shape, margin and internal enhancement characteristics whereas the kinetic curve assessment was not performed since not all MRI examinations included 1 precontrast and 5 postcontrast examinations. BI-RADS lexicon was assigned by the 2 readers in consensus for all 70 cases. Tumor size was determined on the postcontrast axillar or sagittal images, from whichever image was available, and the largest diameter of the 3-dimensional planes was considered the tumor size. Multiplicity was determined when multifocal or multicentric lesions were detected.

Frequency analysis was done with the Mann-Whitney U-test for continuous variables and the chi-square test or Fisher exact test for categorical or ordinal variables. Statistical analysis was performed using IBM SPSS Statistics ver. 19.0 (IBM Co., Armonk, NY, USA), and statistical significance was defined when P-values < 0.05.

### Microarray data analysis

The lowest normalized mRNA expression microarray data set of 70 cases with matching MRI imaging data was used for analysis. After removing outliers, the data set was filtered to include the most varying 5,000 genes. Unsupervised hierarchical clustering was performed to group samples with similar gene expression signatures. The Limma package was then used to identify differentially expressed genes in each cluster [20]. After calculating the differential expression between clusters, gene signatures were generated by choosing genes that met the selection criteria of a fold change greater than 2 and a false discovery rate (FDR) of less than 0.05. Subsequent functional annotation analysis was performed using DAVID [21]. Gene Set Enrichment Analysis (GSEA) was done using GSEA software distributed from the MIT Broad institute website (<http://software.broadinstitute.org/gsea/>) [22,23]. For GSEA, we used all sets from Molecular Signatures Database (MSigDB) version 5.2 [22]. After calculating the enrichment score (ES) for each signature (gene set), significant signatures with a FDR < 25% were chosen. When no signature met the criteria of a FDR < 25%, signatures with a nominal P-value < 0.01 were selected instead.

## RESULTS

### Patient characteristics

Of the 70 patients with matched TCIA MR images and TCGA microarray gene expression profile data, 67 (95.7%) were white females. All 70 had invasive breast cancers; the pathologic stage was stage I or II in 62 out of 70 patients (88.6%). Invasive carcinoma of no special type was the most frequent breast cancer ( $n = 63$ , 90.0%). Immunohistochemical subtypes of the 70 cancers were as follows: luminal ( $n = 58$ , 82.9%); HER2-

enriched (n = 2, 2.9%); and triple-negative (n = 10, 14.3%) (Table 1). The location of the cancers were relatively evenly distributed in both breasts (Table 1).

### Clinicopathologic and MRI characteristics according to subtype found by unsupervised hierarchical clustering of the gene expression profile

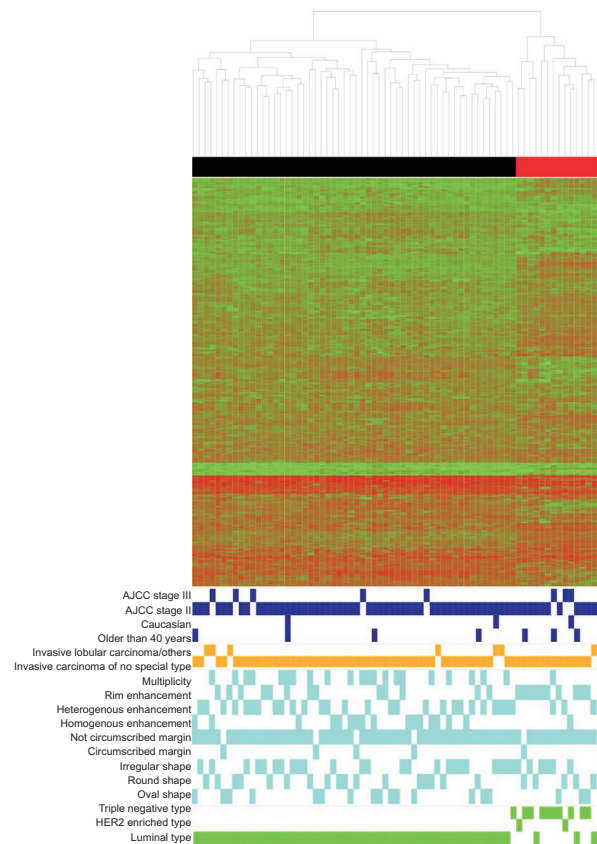
To investigate potential subgroups of breast cancer, we

**Table 1.** Baseline characteristics of 70 women with invasive breast cancers as masses on breast MRI

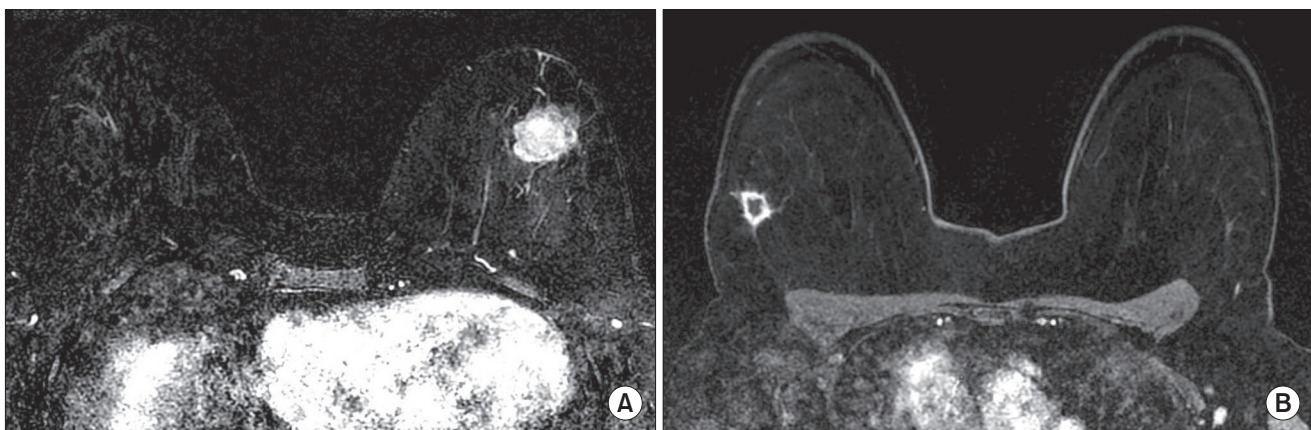
Characteristic	Value
Age at diagnosis (yr)	54.5 (45.7–63.3)
Race	
White	67 (95.7)
Black	3 (4.3)
Median size of invasive cancers (mm)	21.0 (16–27)
AJCC stage	
Carcinoma <i>in situ</i>	0 (0)
Invasive, stage I	14 (20.0)
Invasive, stage II	48 (68.6)
Invasive, stage III	8 (11.4)
Histology	
Invasive carcinoma of no special type	63 (90.0)
Invasive lobular carcinoma	6 (8.6)
Others	1 (1.4)
Immunohistochemical subtype	
Luminal	58 (82.9)
HER2-enriched	2 (2.9)
Triple-negative	10 (14.3)
Location	
Right	37 (52.9)
Left	33 (47.1)

Values are presented as median (interquartile range) or number (%). HER2, human epidermal growth factor receptor type 2.

applied unsupervised hierarchical cluster analysis to TCGA microarray gene expression data set and found 2 major sub-



**Fig. 1.** Unsupervised hierarchical clustering and a heatmap of gene expression profile of all samples. The top row shows dendrogram cluster 2 major groups. The next row indicates cluster classification of groups 1 (black) and 2 (red). The rows below the heatmap indicates clinicopathologic and breast MRI characteristics.



**Fig. 2.** Axial T1-weighted contrast-enhanced subtraction MR images of women classified into groups 1 (A) and 2 (B). (A) A 73-year-old woman with luminal cancer in her left lower outer quadrant breast shows irregular mass with irregular margin and heterogeneous internal enhancement pattern. (B) A 51-year-old woman with triple-negative cancer in her right upper outer quadrant breast shows irregular mass with specular margin and rim enhancement.



groups (groups 1 and 2) (Fig. 1). The luminal subtype, which was determined by immunohistochemical stain, was exclusively predominant in group 1 (98.2%) while the triple-negative subtype was predominant in group 2 (64.3%) ( $P < 0.001$ ). According to the BI-RADS MRI lexicons of mass, internal enhancement was significantly different between 2 groups ( $P = 0.003$ ). Heterogeneous enhancement was most frequently seen in group 1 (48.2%), which was followed by homogenous enhancement (28.6%) and rim enhancement (23.2%), whereas rim enhancement was dominantly observed in group 2 (71.4%) (Fig. 2). The breast cancers of group 2 were single lesions (92.9%)

**Table 2.** Comparison of clinicopathologic and MRI characteristics of 70 patients

Characteristic	Group 1 (n = 56)	Group 2 (n = 14)	P-value
Age (yr)			0.137
<40	4 (71.4)	3 (21.4)	
≥40	52 (92.9)	11 (78.6)	
Race			0.494
White	54 (96.4)	13 (92.9)	
Black	2 (3.6)	1 (7.1)	
AJCC stage			0.223
Carcinoma <i>in situ</i>	0 (0)	0 (0)	
Invasive, stage I	13 (23.2)	1 (7.1)	
Invasive, stage II	38 (67.9)	10 (71.4)	
Invasive, stage III	5 (8.9)	3 (21.4)	
Histology			0.857
Invasive carcinoma of no special type	50 (89.3)	13 (92.9)	
Invasive lobular carcinoma	5 (8.9)	1 (7.1)	
Others	1 (1.8)	0 (0)	
Immunohistochemical subtype			<0.001
Luminal	55 (98.2)	3 (21.4)	
HER2-enriched	0 (0)	2 (14.3)	
Triple-negative	1 (1.8)	9 (64.3)	
Shape			0.893
Oval	15 (26.8)	3 (21.4)	
Round	17 (30.4)	5 (35.7)	
Irregular	24 (42.9)	6 (42.9)	
Margin			>0.999
Circumscribed	15 (26.8)	3 (21.4)	
Not circumscribed	41 (73.2)	11 (78.6)	
Internal enhancement			0.003
Homogeneous	16 (28.6)	1 (7.1)	
Heterogeneous	27 (48.2)	3 (21.4)	
Rim enhancement	13 (23.2)	10 (71.4)	
Dark internal septation	0 (0)	0 (0)	
Multiplicity			0.050
Single	35 (62.5)	13 (92.9)	
Multiple	21 (37.5)	1 (7.1)	

Values are presented as number (%).

AJCC, American Joint Committee on Cancer; HER2, human epidermal growth factor receptor type 2.

while 37.5% of the breast cancers of group 2 were multiple lesions ( $P = 0.050$ ). Other MRI characteristics were not significantly different between the 2 groups (Table 2).

### Differentially expressed genes and gene set enrichment analysis

Limma analysis was performed to identify genes differentially expressed between the 2 groups with above-mentioned criteria. We found 1,303 genes significantly associated with each group (Table 3, Supplementary Table 1). Compared to group 1, group 2 had 604 overexpressed and 699 underexpressed genes. Subsequent functional annotation analysis revealed that mitotic cell division related processes were one of the most-enriched biological processes in group 2 whereas mammary gland development and hormone related processes had higher fold-ES s in group 1 (Table 4, Supplementary Table 2). Group 1 had significantly higher expression of AR and ESR1. To identify significantly enriched signatures in the 2 groups, GSEA was performed. In group 1, 2 gene sets were found to be significant with a FDR < 25%, which included gene signatures related to the luminal subtype (FARMER\_BREAST\_CANCER\_BASAL\_VS\_LUMINAL) excluding those related to the basal subtype (SMID\_BREAST\_CANCER\_BASAL\_DN). In group 2, no gene sets were significant with a FDR < 25%, but 40 gene sets met the criteria of nominal P-value < 0.01 (Fig. 3, Table 5, Supplementary Table 3).

## DISCUSSION

During the last 10 years, the breast cancer survival rate has increased from 83.2% to 91.3%, with the number of breast cancer survivors steadily increasing as well. Accordingly, the expected lifetime of these survivors has lengthened mainly due to early detection and development of treatment options and this has led to more emphasis on prognostic management [24]. However, the heterogeneity of breast cancer is still a hurdle in the successful treatment of breast cancer patients with prognostic information [25]. As tissue samples might not represent the entire tumor burden, breast MRI has emerged as an object of "radiogenomics" to provide structural and functional properties of the entire tumor [10-13]. Breast MRI is very sensitive and is able to complement histopathologic or molecular markers to predict tumor biology [1].

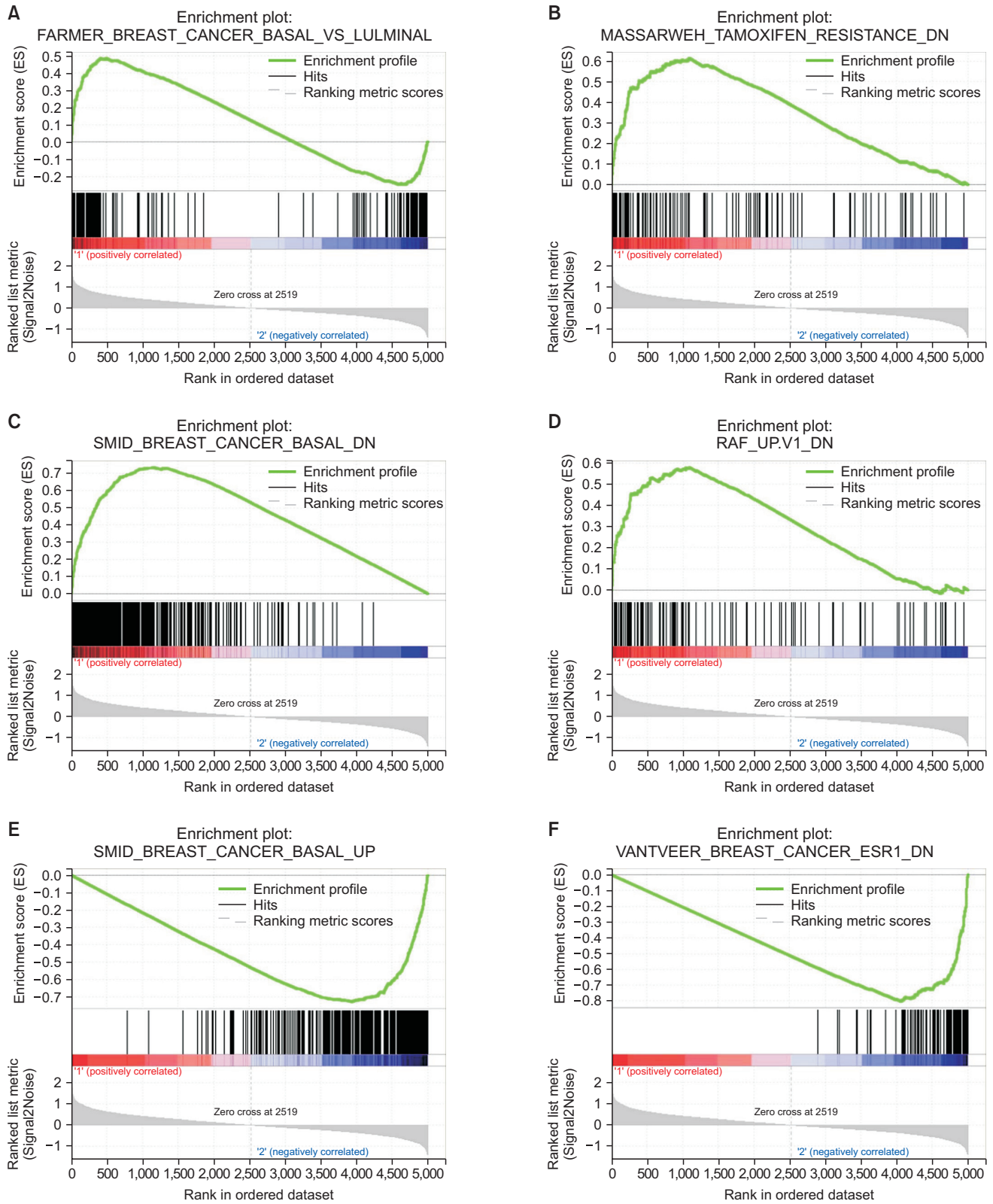
In our study, the clustering of gene expression profiles found two distinct groups and MRI features of internal enhancement were significantly different between the 2 groups. There have been several reports suggesting that computer-derived MRI phenotypes can be related with the gene expression of breast cancers [10-13]. In these previous studies, radiogenomic analyses were performed with the computerized calculation of MR images. Tumor size differed according to gene expression

**Table 3.** Most differentially expressed genes

Gene symbol	Fold change (log 2)	P-value	False discovery rate
Higher expression in group 1			
<i>AGR3</i>	7.547464286	0.0000000000000000	0.0000000000000000
<i>ESR1</i>	5.021239583	0.0000000000000000	0.0000000000000000
<i>C1orf64</i>	4.753464286	0.0000000000000032	0.0000000000000724
<i>NAT1</i>	4.593283929	0.0000000000000000	0.0000000000000012
<i>FOXA1</i>	4.5084375	0.0000000000000000	0.0000000000000012
<i>FSIP1</i>	4.479303571	0.0000000000000001	0.0000000000000037
<i>AGR2</i>	4.360877232	0.0000000000000000	0.0000000000000004
<i>ERBB4</i>	3.207303373	0.00000000000004379	0.0000000000060927
<i>AGR2</i>	4.360877232	0.0000000000000000	0.0000000000000004
<i>AR</i>	2.81716369	0.00000000000004907	0.0000000000062907
Higher expression in group 2			
<i>HORMAD1</i>	4.58407381	0.0000000000000000	0.0000000000000005
<i>PPP1R14C</i>	3.787029762	0.0000000000000026	0.0000000000000658
<i>SOX11</i>	3.754224171	0.0000000000014348	0.000000000170812
<i>LEMD1</i>	3.70296875	0.0000000000001374	0.000000000022904
<i>ART3</i>	3.628183929	0.0000000000001878	0.000000000028450
<i>FABP7</i>	3.595150829	0.0000000939206593	0.0000002068736990
<i>KLK8</i>	3.431892857	0.00000008437144344	0.0000013224364175
<i>ROPN1</i>	3.396830357	0.0000000663902687	0.000001573229116
<i>S100A8</i>	3.38294881	0.0000000918204510	0.0000002049563638
<i>ROPN1B</i>	3.376111607	0.0000000807284808	0.0000001860103245
<i>MMP1</i>	2.230638392	0.00019172059951384	0.0009182021049513
<i>EGFR</i>	2.159014285	0.0000000022527494	0.000000063279478

**Table 4.** Functional annotation analysis of differentially expressed genes

Term	Fold enrichment	False discovery rate
Enriched in group 1		
GO:0009719~response to endogenous stimulus	1.967091511	0.000000112834
GO:0044707~single-multicellular organism process	1.377890382	0.000000266149
GO:0010817~regulation of hormone levels	2.970122435	0.000000416408
GO:0007267~cell-cell signaling	1.91497894	0.000003295214
GO:0046883~regulation of hormone secretion	3.120706420	0.001985031706
GO:0061180~mammary gland epithelium development	6.172825887	0.005934101064
GO:0032355~response to estradiol	3.691974976	0.014932796834
GO:0030879~mammary gland development	4.080923780	0.007901849151
GO:0009725~response to hormone	2.047522312	0.000665049063
GO:0022612~gland morphogenesis	4.749350951	0.001019487098
Enriched in group 2		
GO:0009888~tissue development	1.91063556	0.000000603981
GO:0007067~mitotic nuclear division	3.057975878	0.000006026920
GO:0000280~nuclear division	2.681743631	0.000009838709
GO:0048285~organelle fission	2.573320448	0.000022693575
GO:0044699~single-organism process	1.119085669	0.000024625453
GO:0000070~mitotic sister chromatid segregation	4.954840614	0.000038797216
GO:0000819~sister chromatid segregation	3.87096923	0.000062455658
GO:0008283~cell proliferation	1.736936747	0.000146131182
GO:0051310~metaphase plate congression	8.494012481	0.000207386724
GO:0051301~cell division	2.360683224	0.003026107706



**Fig. 3.** Enrichment plots of top gene sets (signatures) for groups 1 (A–D) and 2 (E, F). In each plot, enrichment score (ES) is the maximum deviation from zero encountered in running down the rank list (middle). The bottom portion of each plot shows the value of the ranking metric which is signal-to-noise ratio in this analysis.

**Table 5.** Top 10 significantly enriched gene signatures in each group

Gene signature	ES	Nominal P-value	FDR
Group 1			
FARMER_BREAST_CANCER_BASAL_VS_LUMLINAL	0.48625603	0.00000	0.21165773
SMID_BREAST_CANCER_BASAL_DN	0.7354685	0.00000	0.23257719
MASSARWEH_TAMOXIFEN_RESISTANCE_DN	0.6143302	0.00000	0.27332994
GOZGIT_ESR1_TARGETS_DN	0.5099707	0.00000	0.29569975
RAF_UP.V1_DN	0.57963943	0.00000	0.30762357
CHARAFE_BREAST_CANCER_LUMINAL_VS_BASAL_UP	0.7100135	0.00207	0.32511595
REACTOME_SIGNALING_BY_ERBB4	0.6657322	0.00000	0.32841143
GO_SECRETORY_GRANULE_MEMBRANE	0.6221506	0.00000	0.34353867
MASSARWEH_RESPONSE_TO ESTRADIOL	0.6610997	0.00417	0.34401014
HALLMARK_ESTROGEN_RESPONSE_EARLY	0.57554954	0.00208	0.34932917
Group 2			
SMID_BREAST_CANCER_BASAL_UP	-0.73014784	0.00000	1
SMID_BREAST_CANCER_RELAPSE_IN_BONE_DN	-0.71839243	0.00000	1
VANTVEER_BREAST_CANCER_ESR1_DN	-0.8044552	0.00000	1
GSE36476_CTRL_VS_TSST_ACT_40H_MEMORY_CD4_TCELL_YOUNG_DN	-0.7214786	0.00200	1
GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_12H_UP	-0.6872284	0.00407	1
SMID_BREAST_CANCER_RELAPSE_IN_BRAIN_UP	-0.7895748	0.00216	1
GSE21360_SECONDARY_VS_TERTIARY_MEMORY_CD8_TCELL_UP	-0.59121305	0.00204	1
NAKAMURA_CANCER_MICROENVIRONMENT_DN	-0.83082336	0.00197	1
PID_AURORA_B_PATHWAY	-0.8470182	0.00204	0.9765514
DOANE_BREAST_CANCER_ESR1_DN	-0.82513964	0.00000	1

ES, enrichment score; FDR, false discovery rate.

status whereas breast cancer stages according to the commonly applied American Joint Committee on Cancer guidelines were not differently distributed between 2 groups in our study [12,13].

Recently, rim enhancement on MRI has been reported to be related to poor prognosis of breast cancers [10,26]; for example, a high calculated score indicating rim enhancement on MRI was associated with early occurrence of metastasis and certain RNAs were correlated with the high score of rim enhancement [10]. Rim enhancement was predominant in group 2 of our study sample in which the genes related to poor prognosis were overexpressed. Matrix metalloproteinase-1 which is related to tumor growth and metastasis and epidermal growth factor receptor which is associated with poor clinical outcomes of tumor were dominantly expressed in group 2 [27,28]. However, whether these genes cause rim enhancement is still unclear and information on long-term outcome or metastasis was unavailable in our study. Therefore, in order to clarify the relationship between rim enhancement and certain genes of poor prognosis, a further research would be needed. Targeted acquisition of tissue sample in fibrotic cores or microvessel density which have been associated with rim enhancement histopathologically might be help reveal the mechanism behind the presentation of rim enhancement by specific genes [26].

Since the development of DNA microarray technology, breast cancers have been divided into 2 large categories based on

gene expression pattern of ER biology [2]. Despite the continuous development of state-of-the-art analytic methods, unsupervised hierarchical clustering probably remains the most basic and robust method and our results agree with the results of previous studies which performed similar analyses [9]. Since DNA microarray is not routinely performed in clinical practice, breast cancer subtypes are currently based on the immunohistochemical staining levels for the expression of the ER, PR, and HER2 [1]. Because luminal cancers were predominant in group 1 and triple-negative cancers were predominant in group 2 of our study sample, known characteristics of luminal cancers such as heterogeneous enhancement or multiplicity were frequently observed in group 1 [4-6] and single manifestation or rim enhancement, which are known to be frequent in triple-negative cancers, were predominantly seen in group 2 [4-7]. Nevertheless, even though the specific imaging features mentioned above were strongly related to a peculiar molecular subtype of breast cancer [4-7,26], certain clustered gene expression profiles may be associated with specific imaging features such as rim enhancement or heterogeneity of internal enhancement according to our results as well as prior studies [10,13]. Since *ERBB4*, a gene correlated with aggressiveness mainly in triple-negative breast cancers, was one of the markedly underexpressed genes in group 2 in spite of triple-negative cancers being absolutely predominant in



this group, we can hypothesize that an undiscovered intrinsic relationship might exist between gene expression characteristics and imaging features [29].

Our study has several limitations. First, our sample size is relatively small; we integrated TCGA and TCIA data to conduct this analysis and a future study with a large study sample is necessary. Second, information on long-term outcome or metastasis was unavailable in our study sample, thus relationship between prognosis and MRI features or specific genes enriched in each group cannot be evaluated. Third, we did not consider interobserver variability when interpreting breast MRI, but we did assess tumors using the standard BI-RADS lexicon with arbitration between the 2 readers. Moreover, moderate to substantial agreement on BI-RADS MRI lexicon has been reported before [30]. Fourth, we excluded patients who had non-mass enhancement on MRI for their breast cancers. Thus, our results are not applicable to all breast malignancies found on MRI. However, non-mass enhancement has lower agreement among readers and is assessed by different imaging descriptors compared to mass. A future study about non-mass enhancement with a large sample might be needed because we had only 12 nonmass enhancement cases in this study. Finally, we did not perform kinetic analysis of breast MRI. As the MR images of all dynamic enhancing phases under regular conditions were unfortunately unavailable, interpretation

of kinetic features without supplementary computerized parameters might be limited.

In conclusion, our results identified intuitive imaging features of breast MRI associated with distinct gene expression profiles using the standard imaging variables of BI-RADS, a lexicon which is routinely used in real clinical practice. The internal enhancement pattern on MRI might reflect specific gene expression profiles of breast cancers, which can be recognized by visual distinction.

## CONFLICTS OF INTEREST

No potential conflict of interest relevant to this article was reported.

## ACKNOWLEDGEMENTS

This work was supported by INHA UNIVERSITY HOSPITAL Research Grant.

## SUPPLEMENTARY MATERIALS

Supplementary Tables can be found via <https://astr.or.kr/src/sm/astr-93-18-s002.pdf>.

## REFERENCES

- Voduc KD, Cheang MC, Tyldesley S, Gelmon K, Nielsen TO, Kennecke H. Breast cancer subtypes and the risk of local and regional relapse. *J Clin Oncol* 2010;28:1684-91.
- Trop I, LeBlanc SM, David J, Lalonde L, Tran-Thanh D, Labelle M, et al. Molecular classification of infiltrating breast cancer: toward personalized therapy. *Radiographics* 2014;34:1178-95.
- Kim H, Cho J, Kwon SY, Kang SH. Biologic subtype is a more important prognostic factor than nodal involvement in patients with stages I and II breast carcinoma. *Ann Surg Treat Res* 2016;90:1-9.
- Uematsu T, Kasami M, Yuen S. Triple-negative breast cancer: correlation between MR imaging and pathological findings. *Radiology* 2009;250:638-47.
- Loo CE, Straver ME, Rodenhuis S, Muller SH, Wesseling J, Vrancken Peeters MJ, et al. Magnetic resonance imaging response monitoring of breast cancer during neoadjuvant chemotherapy: relevance of breast cancer subtype. *J Clin Oncol* 2011;29:660-6.
- Youk JH, Son EJ, Chung J, Kim JA, Kim EK. Triple-negative invasive breast cancer on dynamic contrast-enhanced and diffusion-weighted MR imaging: comparison with other breast cancer subtypes. *Eur Radiol* 2012;22:1724-34.
- Dogan BE, Gonzalez-Angulo AM, Gilcrease M, Dryden MJ, Yang WT. Multimodality imaging of triple receptor-negative tumors with mammography, ultrasound, and MRI. *AJR Am J Roentgenol* 2010;194:1160-6.
- Agner SC, Rosen MA, Englander S, Tomaszewski JE, Feldman MD, Zhang P, et al. Computerized image analysis for identifying triple-negative breast cancers and differentiating them from other molecular subtypes of breast cancer on dynamic contrast-enhanced MR images: a feasibility study. *Radiology* 2014;272:91-9.
- Perou CM, Sorlie T, Eisen MB, van de Rijn M, Jeffrey SS, Rees CA, et al. Molecular portraits of human breast tumours. *Nature* 2000;406:747-52.
- Yamamoto S, Han W, Kim Y, Du L, Jamshidi N, Huang D, et al. Breast cancer: radiogenomic biomarker reveals associations among dynamic contrast-enhanced MR imaging, long noncoding RNA, and metastasis. *Radiology* 2015;275:384-92.
- Yamamoto S, Maki DD, Korn RL, Kuo MD. Radiogenomic analysis of breast cancer using MRI: a preliminary study to define the landscape. *AJR Am J Roentgenol* 2012;



- 199:654-63.
12. Ashraf AB, Daye D, Gavenonis S, Mies C, Feldman M, Rosen M, et al. Identification of intrinsic imaging phenotypes for breast cancer tumors: preliminary associations with gene expression profiles. *Radiology* 2014;272:374-84.
  13. Zhu Y, Li H, Guo W, Drukker K, Lan L, Giger ML, et al. Deciphering genomic underpinnings of quantitative MRI-based radiomic phenotypes of invasive breast carcinoma. *Sci Rep* 2015;5:17787.
  14. Clark K, Vendt B, Smith K, Freymann J, Kirby J, Koppel P, et al. The Cancer Imaging Archive (TCIA): maintaining and operating a public information repository. *J Digit Imaging* 2013;26:1045-57.
  15. Cancer Genome Atlas Network. Comprehensive molecular portraits of human breast tumours. *Nature* 2012;490:61-70.
  16. Broad Institute TCGA Genome Data Analysis Center: Firehose version 2016\_01\_28 stddata run [Internet]. Broad Institute of MIT and Harvard; c2016 [cited 2016 Sep 30]. Available from: [http://gdac.broadinstitute.org/runs/stddata\\_\\_2016\\_01\\_28/](http://gdac.broadinstitute.org/runs/stddata__2016_01_28/).
  17. Hammond ME, Hayes DF, Dowsett M, Allred DC, Hagerty KL, Badve S, et al. American Society of Clinical Oncology/College of American Pathologists guideline recommendations for immunohistochemical testing of estrogen and progesterone receptors in breast cancer. *Arch Pathol Lab Med* 2010;134:907-22.
  18. Wolff AC, Hammond ME, Schwartz JN, Hagerty KL, Allred DC, Cote RJ, et al. American Society of Clinical Oncology/College of American Pathologists guideline recommendations for human epidermal growth factor receptor 2 testing in breast cancer. *Arch Pathol Lab Med* 2007;131:18-43.
  19. Carl J D'Orsi; American College of Radiology. BI-RADS Committee. ACR BI-RADS atlas: breast imaging reporting and data system. 5th ed. Reston (VA): American College of Radiology; 2013.
  20. Ritchie ME, Phipson B, Wu D, Hu Y, Law CW, Shi W, et al. limma powers differential expression analyses for RNA-sequencing and microarray studies. *Nucleic Acids Res* 2015;43:e47.
  21. Dennis G Jr, Sherman BT, Hosack DA, Yang J, Gao W, Lane HC, et al. DAVID: database for annotation, visualization, and integrated discovery. *Genome Biol* 2003;4:P3.
  22. Subramanian A, Tamayo P, Mootha VK, Mukherjee S, Ebert BL, Gillette MA, et al. Gene set enrichment analysis: a knowledge-based approach for interpreting genome-wide expression profiles. *Proc Natl Acad Sci U S A* 2005;102:15545-50.
  23. Mootha VK, Lindgren CM, Eriksson KF, Subramanian A, Sihag S, Lehar J, et al. PGC-1alpha-responsive genes involved in oxidative phosphorylation are coordinately downregulated in human diabetes. *Nat Genet* 2003;34:267-73.
  24. DeVita VT Jr, Rosenberg SA. Two hundred years of cancer research. *N Engl J Med* 2012;366:2207-14.
  25. Almendro V, Fuster G. Heterogeneity of breast cancer: etiology and clinical relevance. *Clin Transl Oncol* 2011;13:767-73.
  26. Schmitz AM, Loo CE, Wesseling J, Pijnappel RM, Gilhuijs KG. Association between rim enhancement of breast cancer on dynamic contrast-enhanced MRI and patient outcome: impact of subtype. *Breast Cancer Res Treat* 2014;148:541-51.
  27. Liu H, Kato Y, Erzinger SA, Kiriakova GM, Qian Y, Palmieri D, et al. The role of MMP-1 in breast cancer growth and metastasis to the brain in a xenograft model. *BMC Cancer* 2012;12:583.
  28. Rimawi MF, Shetty PB, Weiss HL, Schiff R, Osborne CK, Chamness GC, et al. Epidermal growth factor receptor expression in breast cancer association with biologic phenotype and clinical outcomes. *Cancer* 2010;116:1234-42.
  29. Kim JY, Jung HH, Do IG, Bae S, Lee SK, Kim SW, et al. Prognostic value of ERBB4 expression in patients with triple negative breast cancer. *BMC Cancer* 2016;16:138.
  30. Grimm LJ, Anderson AL, Baker JA, Johnson KS, Walsh R, Yoon SC, et al. Interobserver variability between breast imagers using the fifth edition of the BI-RADS MRI lexicon. *AJR Am J Roentgenol* 2015;204:1120-4.

**SUPPLEMENTARY MATERIALS****Supplementary Table 1.**

Gene Symbol	Log2 Fold Change	P.Value	False discovery rate
HORMAD1	4.58407381	0.0000000000000000	0.0000000000000005
PPP1R14C	3.787029762	0.00000000000000026	0.0000000000000658
SOX11	3.754224171	0.0000000000014348	0.000000000170812
LEMD1	3.70296875	0.0000000000001374	0.000000000022904
ART3	3.628183929	0.0000000000001878	0.000000000028450
FABP7	3.595150829	0.0000000939206593	0.000002068736990
KLK8	3.431892857	0.00000008437144344	0.0000013224364175
ROPN1	3.396830357	0.0000000663902687	0.0000001573229116
S100A8	3.38294881	0.0000000918204510	0.000002049563638
ROPN1B	3.376111607	0.0000000807284808	0.0000001860103245
KLK6	3.270041667	0.0000000163442877	0.0000000507586576
BCL11A	3.257823391	0.0000000000001581	0.000000000025494
PSAT1	3.1595625	0.0000000000000024	0.000000000000620
SBSN	3.120392857	0.00000000000015915	0.0000000000183840
CRABP1	3.111901786	0.00000000000233118	0.0000000001942646
CALML5	3.105238095	0.00000156727029923	0.0000155812330578
ACE2	3.101458333	0.00000000000000109	0.0000000000002096
SERPINB3	3.084651786	0.00000001190010384	0.0000002553670352
MUC15	3.070277381	0.00000020569499209	0.0000028187847729
SERPINB4	2.941723214	0.00000003483822233	0.0000006334222242
KRT16	2.881949405	0.00000000077537668	0.0000000276920244
EN1	2.873897321	0.00000000005897564	0.0000000033132383
LCT	2.763340774	0.00000000000027294	0.0000000000284312
GLYATL2	2.716571429	0.00000917932059096	0.0000707189567870
SCRG1	2.671659226	0.00000037710954445	0.0000047494904843
VGLL1	2.669721301	0.00000000000001701	0.0000000000026575
DDC	2.661559524	0.00000000139624588	0.0000000456289504
S100A7	2.623446429	0.00035057966790720	0.0015389801049482
HIST1H1A	2.622272321	0.00000000000053866	0.0000000000549656
FOXC1	2.61641183	0.00000000000188785	0.0000000001627455
C1orf106	2.590943567	0.000000000000156899	0.0000000001426354
ATP6V1C2	2.582880952	0.00000000008563103	0.0000000046038190
PROM1	2.58267619	0.00001611445916299	0.0001144492838281
HSD17B2	2.570516369	0.00000085053777727	0.0000093465689810
SCEL	2.543772215	0.00000000318123902	0.0000000855171779
MSLN	2.539818452	0.00000000067090225	0.0000000247888796
CHODL	2.522982143	0.00000000001145291	0.0000000008546950
TMSL8	2.512104911	0.00000000109662517	0.0000000365541725
S100A9	2.483907738	0.00000185543807325	0.0000178407507043
MGC102966	2.429375	0.00000097241522731	0.0000104336397780
PRDM13	2.422044643	0.00000024125955050	0.0000032253950602
SLPI	2.415333929	0.00000003861702298	0.0000006895896961
KLK7	2.3945625	0.00000461193471221	0.0000388445184826

IL22RA2	2.345142857	0.00000000066212780	0.0000000247062612
LY6D	2.342895834	0.00000000087179832	0.0000000302707750
ELF5	2.328696429	0.00001140607652520	0.0000851199740687
CNGA1	2.328534226	0.00000000001469690	0.0000000010497788
COL9A3	2.312254464	0.00000041588838099	0.0000051344244566
DKK1	2.309183333	0.00000079161287359	0.0000088349651071
MGC10981	2.302916667	0.00000000272712036	0.0000000745114854
MLZE	2.300159226	0.00000000275741250	0.0000000749296875
PTCHD1	2.28920355	0.00000092429634041	0.0000099816019483
UGT8	2.278517857	0.00000000000016496	0.0000000000183840
KLRG2	2.278504464	0.00000010582740660	0.0000015986013081
PKP1	2.265909226	0.00000000013065163	0.0000000063423121
GPR126	2.2615375	0.00000000000077258	0.0000000000730811
KCNN4	2.255928571	0.00000000002476266	0.0000000016291223
S100A7A	2.254089286	0.00005264416135698	0.0003122429499228
ZNF695	2.254040179	0.00000000004926840	0.0000000028644419
MMP12	2.250318452	0.00005849550796858	0.0003393010903050
SRrp35	2.231167623	0.00000000004220429	0.0000000025424270
MMP1	2.230638393	0.00019172059951384	0.0009182021049513
DSC2	2.2200625	0.00000000003466402	0.0000000021403976
IL12RB2	2.219327381	0.00000004579653654	0.0000007978490686
S100A2	2.207567857	0.00005273778566366	0.0003124276401876
DSC3	2.198776786	0.00000023051826120	0.0000031235536748
KCNK5	2.188916667	0.00000000399021142	0.0000001017911078
ACTL8	2.18739881	0.00000026268306656	0.0000034654758121
KCNG1	2.179859375	0.00000000000000041	0.0000000000000888
KRT6A	2.177241071	0.00001690123428914	0.0001180253791141
IMPA2	2.176928571	0.00000000000025126	0.0000000000273104
RARRES1	2.171236607	0.00000013903079314	0.0000020326139348
INDO	2.170377976	0.00003230229415783	0.0002039286247338
HRASLS	2.169944445	0.00000813514837105	0.0000643419292256
PI3	2.168123512	0.00000000561677594	0.0000001369945352
MIA	2.161558036	0.00039038803302555	0.0016885295546088
EGFR	2.159014286	0.00000000225274942	0.0000000632794780
SLC26A9	2.151720238	0.00000002743936290	0.0000005289258004
SERPINB5	2.127174053	0.00000004336078733	0.0000007633941431
TRPV6	2.123058036	0.00000000032502662	0.0000000140097681
LAMP3	2.109309524	0.00000393185010063	0.0000343368749261
MEX3A	2.106735119	0.00000000241546695	0.0000000663589821
MATN4	2.102535714	0.00000000000000004	0.0000000000000104
GPR158	2.091977679	0.00015428245022127	0.0007698725060941
SEC14L4	2.090399702	0.00000002807606796	0.0000005378557081
KRT6C	2.084380953	0.00002230054800583	0.0001480780080068
KRT23	2.063933036	0.00063658352077607	0.0025422664567734

ZIC1	2.043098313	0.00000011599656520	0.0000017312920180
B3GNT5	2.031375	0.0000000002330574	0.000000015537162
CPA4	1.988730952	0.00000000008655495	0.000000046039869
MAPK4	1.985441964	0.00000000011412530	0.0000000056980109
KLF5	1.979533482	0.00000008468182936	0.0000013231535838
GAL	1.975691964	0.00000000028380715	0.0000000127841060
ZBED2	1.974035714	0.00017615791176509	0.0008567991817368
PLAC2	1.973098214	0.00005830656458481	0.0003389916545628
CDH19	1.970605952	0.00000696490920272	0.0000562593635114
LCN2	1.96919881	0.00022696438819255	0.0010541638590799
TGM1	1.96027381	0.00000000168441210	0.0000000516690830
GSTA2	1.960008929	0.00003541521438950	0.0002205181468835
CXCL1	1.958901786	0.00001967198235048	0.0001341881470019
AIM2	1.958227976	0.00003161850599872	0.0002003707604482
CHI3L2	1.934666135	0.00006224240118782	0.0003560778099990
FAM83B	1.933955357	0.00002901309461208	0.0001852688033977
SLC6A2	1.911963967	0.00000001215797176	0.0000002586802502
CXCL13	1.9084125	0.00067808652900998	0.0026834015758318
BPI	1.905577056	0.00000000062333557	0.0000000239744450
SMC1B	1.89909662	0.00000343359467783	0.0000306570953378
AKR1B10	1.898714605	0.00005923220362931	0.0003427789561881
DNMT3B	1.886202381	0.00000000011509982	0.0000000056980109
HPDL	1.8859375	0.00000000899033642	0.0000002022336579
CD38	1.882401786	0.00015667050351636	0.0007784552194602
FGFBP1	1.876070238	0.00008543252151410	0.0004658261805567
SHC4	1.87258631	0.00021379287938007	0.0010046657865605
SLC6A14	1.870268601	0.00000136305203017	0.0000138803669060
SMPX	1.869928571	0.00000034003797844	0.0000043755844513
KRT17	1.868516071	0.00002106867335941	0.0001412109474491
FUT3	1.868023214	0.00006436234864318	0.0003661111981978
RNF182	1.867857143	0.00001024755108853	0.0000778689292442
KCNS1	1.862976786	0.00000000003537525	0.0000000021570277
TRIM2	1.858226191	0.00000000200227322	0.0000000578079801
ANXA8L2	1.853214286	0.00003626706587427	0.0002252612787222
RPRML	1.849584821	0.00000375311402625	0.0000331547175464
ONECUT2	1.848798568	0.00000006677020372	0.0000010769387697
FAM54A	1.842107143	0.00000000088438339	0.0000000303447945
C20orf42	1.841320238	0.00000005022495566	0.0000008437107814
HSPB3	1.840043155	0.00000940008919348	0.0000720865735697
GSTP1	1.8320625	0.00000141024899270	0.0000142643397967
ZFP42	1.831134524	0.00001812095132550	0.0001249720781069
CDC47	1.827049107	0.00000000227947409	0.0000000633187248
PLCH1	1.816495217	0.00000000205700106	0.0000000587714589
BBOX1	1.812857143	0.00103060536828051	0.0038057805327936



POU2AF1	1.806470982	0.00032056985213158	0.0014311154113017
UNQ338	1.803857143	0.00001151770752581	0.0000854429341677
RGS20	1.792258929	0.00000001135404420	0.0000002468270478
LRP8	1.790503571	0.00000000064408055	0.0000000245832272
ACY1L2	1.790392857	0.00000023763693494	0.0000031940448245
MELK	1.788460317	0.00000000194330523	0.0000000568217903
C10orf38	1.775611607	0.00000000142671253	0.0000000463218355
GABRP	1.762630952	0.00039952221629867	0.0017176363555403
STAC2	1.762419643	0.00001630559817181	0.0001153154043268
TRIM29	1.757319643	0.00000837976484196	0.0000656949709190
ST8SIA1	1.756253189	0.00000192517619599	0.0000183590446789
TRPM8	1.756144048	0.00000070812789822	0.0000080286609776
STAC	1.750031548	0.00000000302410871	0.0000000817326678
CYP39A1	1.746964286	0.00000300112712629	0.0000274326062732
TTK	1.743630952	0.00000000176126855	0.0000000531595988
ANLN	1.743095238	0.00000000097683440	0.0000000327796778
C6orf173	1.741270833	0.00000000001799417	0.0000000012495950
LAD1	1.737327381	0.00000002946785533	0.0000005539070552
MAGEA4	1.735910714	0.00000124502158944	0.0000129151617162
CCKBR	1.733885417	0.00000053450554521	0.0000063031314294
KRTDAP	1.731725595	0.00001796086151499	0.0001240390988604
CA9	1.725220238	0.00000000030465322	0.0000000133647498
FZD9	1.712845238	0.00000000001424743	0.0000000010339117
KLHL34	1.711821429	0.00000084089931743	0.0000092814494197
PIK3C2G	1.711309524	0.00012293065083699	0.0006346600599062
NFIB	1.702664541	0.00000005359041369	0.0000008872585047
MAGEA3	1.702223214	0.00000094451989489	0.0000101561279020
CLIC3	1.697821429	0.00000179828823566	0.0000173915690102
BAIAP2L2	1.694589286	0.00000000153331640	0.0000000488317324
WNT6	1.679191817	0.00000000000016546	0.0000000000183840
NPM2	1.676727679	0.00000000079436445	0.0000000281689523
ASS1	1.672627976	0.00000017479301321	0.0000024758217168
BTG3	1.669002976	0.00000000057990015	0.0000000226523497
COL9A1	1.663410714	0.00009044489304459	0.0004894204169079
SERPINB2	1.661927296	0.00000438782149125	0.0000373357948983
GSTA5	1.64886756	0.00002142558602750	0.0001432191579379
CCNE1	1.647553571	0.00000000002292406	0.0000000015489228
ZNF750	1.640241071	0.00000438924650724	0.0000373357948983
KLK10	1.639858929	0.00060074310058319	0.0024241389128221
KLK5	1.639763393	0.00011932348603372	0.0006208297920589
CCL7	1.629769345	0.00038391152578626	0.0016620824216041
NMU	1.629380952	0.00010338365092799	0.0005481635786214
PSMAL	1.628699405	0.00000054496072552	0.0000063962526469
KREMEN2	1.628678571	0.00149028039040908	0.0051459958232358

KRT86	1.623883929	0.00000043065061823	0.0000052518368077
SFRP1	1.622904018	0.00699711994045176	0.0187088768461277
CTSL2	1.621468254	0.00000043196752339	0.0000052550793600
IL1R2	1.618630952	0.00000129239957007	0.0000133512352280
LY6K	1.618296248	0.00001366181308579	0.0000994309540450
C1orf135	1.618	0.00000000361095126	0.0000000946717506
PERP	1.616423214	0.00000000000160726	0.0000000001435054
SYT8	1.616282738	0.00002460928051243	0.0001614375108460
MCM10	1.615104167	0.00000000724695358	0.0000001685338043
TTL4	1.614303571	0.00000000000055801	0.0000000000558007
AMY2A	1.608901786	0.00002310840308672	0.0001532387472594
FLJ21511	1.608678571	0.00177192350627952	0.0059341041737425
TMEM40	1.608017857	0.00002989540905857	0.0001901743578789
PHGDH	1.60340625	0.00000018400688474	0.0000025955815911
DNAH11	1.599955357	0.00000292891058439	0.0000269697107218
KIF14	1.599617347	0.00000007724725600	0.0000012261469206
FANCA	1.596558036	0.00000000018867179	0.0000000088164387
MUC16	1.594035714	0.00014578031147997	0.0007342122978096
KLHDC7B	1.593910714	0.00005143239376796	0.0003065100939688
CP	1.58838198	0.00583580479323174	0.0161121060000876
C15orf52	1.586422619	0.00000023877823249	0.0000032007805964
KRT83	1.581459821	0.00000133092481509	0.0000136645258223
CALCB	1.580946429	0.00021531339861794	0.0010099127514913
MARCO	1.58021875	0.00000003139713533	0.0000005835898761
FOXL1	1.574508929	0.00000000000147550	0.0000000001366199
PRKX	1.560705357	0.000000000093398205	0.0000000317680969
C1QL2	1.560316964	0.00000000189710439	0.0000000561273487
KRT81	1.559428571	0.00000005003744769	0.0000008437107814
NETO2	1.558495536	0.00000325237433402	0.0000293006696759
KIF2C	1.555607143	0.00000001480295154	0.0000003083948238
KRT5	1.554233929	0.00043434900011715	0.0018467219392736
C6orf105	1.553459821	0.00006988791582467	0.0003908720124422
ICEBERG	1.552522024	0.00142788436210851	0.0049856297559655
UGT1A6	1.552223214	0.00001853382907993	0.0001272927821424
ABTB2	1.55184375	0.00000000040418091	0.0000000167016903
MPZL2	1.549151191	0.00000070321804891	0.0000080093171857
AQP5	1.543449405	0.00004685988990879	0.0002836555079225
C8orf47	1.541001488	0.00099457184219877	0.0036918034231580
CDC20	1.540010714	0.00000000031430710	0.0000000136655262
NRTN	1.536434524	0.00000044466694910	0.0000053703737814
ATP6V0A4	1.532532738	0.01005964639952380	0.0252882011048863
CSRP2	1.53165625	0.00000025847276836	0.0000034189519625
CDH3	1.531370536	0.00024578379213990	0.0011284838941226
CHRNA5	1.531142857	0.00001310814407612	0.0000959600591224

FAM123B	1.52825	0.00000000000194143	0.0000000001645278
RASAL1	1.526357143	0.00000146268392590	0.0000147151300392
LPIN1	1.526120536	0.00000000009790916	0.0000000050468641
CTA-246H3.1	1.520214286	0.00214013305802301	0.0068814567782090
NLRP7	1.518473214	0.00018586055174303	0.0008935603449184
CHI3L1	1.517588095	0.00000478988103672	0.0000401461748773
PRKY	1.514282143	0.00000000131583701	0.0000000432841121
PGBD5	1.513520833	0.00002076397456345	0.0001399189660610
ARNTL2	1.506491071	0.00000000642329315	0.0000001529355511
RHCG	1.505566964	0.00000005028516257	0.0000008437107814
DEPDC1	1.505147321	0.00000022862080014	0.0000031062608715
AKR1CL2	1.504325893	0.00000173406226887	0.0000168355560084
CSAG3A	1.501761905	0.00011823153318144	0.0006157892353200
PAX6	1.497674703	0.00000110718954845	0.0000116073745259
CENPA	1.492980769	0.00000005849165786	0.0000009557460434
FAM83D	1.492504464	0.00004350570890705	0.0002665790986951
KIAA1609	1.490735651	0.00000000003207048	0.0000000020297775
NDC80	1.486938187	0.00000002591052742	0.0000005088017744
AQP9	1.484397321	0.00036292390607462	0.0015848205505442
PFKP	1.479430195	0.00000004770013830	0.0000008139955342
FADS2	1.478816071	0.00001204454403767	0.0000888240710743
GGH	1.476700397	0.00001703650696799	0.0001184736228650
NANOGP1	1.476580357	0.00007046264957037	0.0003923310109709
NCOA7	1.476560268	0.00000039841961683	0.0000049802452104
KIAA1804	1.475713967	0.00000002750414162	0.0000005289258004
CHST4	1.472130952	0.00000273723921968	0.0000253918294961
TSPYL5	1.471470779	0.00015526903881481	0.0007732521853327
DMRTA1	1.470474702	0.00016808331523750	0.0008223254170132
ME1	1.468285714	0.00000495914312895	0.0000411888964198
LMO4	1.463875	0.00000839916557764	0.0000656949709190
GYLTL1B	1.46240625	0.00000042285836508	0.0000051820878073
FAM3D	1.461080357	0.00002820928371000	0.0001810608710526
STOX2	1.452160714	0.00000129642555762	0.0000133652119342
PTPN14	1.449469643	0.00000000868327119	0.0000001973470726
SLC26A7	1.445933036	0.00000337995280987	0.0000302321360454
EPHB6	1.441848214	0.00000000088606800	0.0000000303447945
GBP1	1.440580357	0.00010630134997328	0.0005618464586326
CDCA2	1.439929762	0.00000000493258391	0.0000001220936610
IFRD1	1.437220982	0.00000000012057519	0.0000000059105485
C21orf91	1.434866071	0.00000000001426798	0.0000000010339117
CNKSR3	1.434303571	0.00000778984433483	0.0000621199707721
GABRE	1.434158482	0.00000073348329733	0.0000082973223680
DEFB1	1.433616071	0.00110455033929721	0.0040248920662923
TNNT2	1.432294643	0.00000042528405940	0.0000051990716308

ASPM	1.430199274	0.00000008540216913	0.0000013302518557
NDRG1	1.429115385	0.00000014540024272	0.0000021133756209
MAGEA12	1.427553571	0.00000451375028161	0.0000381873966295
GPT2	1.426464286	0.00000130766155242	0.0000134533081525
PPARGC1A	1.42091131	0.00000380985055917	0.0000335965657775
CCK	1.415674107	0.00041620940612184	0.0017786726757343
FABP5	1.412893452	0.00007296080096050	0.0004044390297145
EIF2C2	1.411598214	0.00000000887809506	0.0000002008618792
MAP7D2	1.411270635	0.00000364078688557	0.0000323338089305
SPRR1B	1.409616071	0.00268302396508342	0.0083427362098365
FAM62C	1.408928571	0.00002093081128733	0.0001404752435391
PRSS27	1.406354167	0.00000054345479136	0.0000063935857807
PGLYRP4	1.405280357	0.00000020368102338	0.0000028055237381
MPP6	1.405272321	0.00000006945309482	0.0000011130303658
ARL9	1.404589286	0.00026914653009981	0.0012256217217660
KHDRBS3	1.398035714	0.00000010929265287	0.0000016410308239
IFNG	1.39784375	0.00308177131473674	0.0093520273335250
BUB1	1.394303571	0.00000051377957712	0.0000061018952152
MCM4	1.393477679	0.00000001574120520	0.0000003238931110
PADI2	1.392678571	0.00000077029595774	0.0000086162858808
TCF7L1	1.388705357	0.00012931986235897	0.0006624992948718
GPR64	1.387767857	0.00054297028541557	0.0022232921020707
C14orf115	1.382916773	0.00000037046802422	0.0000047013708658
C4orf7	1.381200893	0.00146213443614451	0.0050874545446921
RLBP1	1.380633929	0.00007035480155916	0.0003921672327713
HSPA4L	1.377473214	0.00009434935083356	0.0005061660452444
NUDT8	1.377419643	0.00010421744812803	0.0005514443247812
TPX2	1.375551339	0.00000020032254170	0.0000027668859351
UBE2C	1.373830357	0.00000076692478205	0.0000085978114579
C6orf115	1.373821429	0.00000000341262108	0.0000000902809810
PLCG2	1.372125	0.00000025400949639	0.0000033777858562
MYO10	1.371189087	0.00000009087417045	0.0000013980641608
TMEM45A	1.370063492	0.00053703874730812	0.0022045925587361
TRIM43	1.369875	0.00012823768549479	0.0006576291563835
GNG4	1.366318452	0.00008238835858831	0.0004507021804612
MGC72080	1.366017857	0.00000004068495486	0.0000007213644479
GPSM2	1.365486607	0.00000046308558864	0.0000055659325557
CENPF	1.36461526	0.00000036137707118	0.0000046211901685
UGT2B7	1.361396429	0.00430284320752040	0.0124287787623351
C6orf142	1.361	0.00004182822562388	0.0002569301328248
NUF2	1.360042411	0.00000154385282441	0.0000154385282441
MYBL2	1.359493941	0.00000106955163065	0.0000112821901968
GPM6B	1.359019133	0.00006117273675726	0.0003507611052595
MGC13057	1.357783163	0.00000018772510668	0.0000026274860584



hCG_1990170	1.357321429	0.00060659774836074	0.0024420199209370
VSNL1	1.356610119	0.00088527138501126	0.0033634931041461
PLA2G7	1.356040179	0.00040891445405966	0.0017549976569084
NT5DC2	1.355044643	0.00000001567749937	0.0000003238931110
CHEK1	1.354482143	0.00000742787537497	0.0000596137670544
CEP55	1.350767857	0.00002868833542747	0.0001836641192539
CIB2	1.349449405	0.00000002911169111	0.0000005503705211
TTYH1	1.347462798	0.00016807211146751	0.0008223254170132
IGLV2-14	1.34465625	0.00190643375035872	0.0062877102584391
NHSL1	1.344084821	0.00000000540568618	0.0000001324923085
PLCB4	1.342441964	0.00016255392546704	0.0008015479559519
SLC1A6	1.341775595	0.00001580381950787	0.0001125628170076
KIAA0746	1.340982143	0.00000951053144883	0.0000727104850828
tcag7.1260	1.340723214	0.00000277972255641	0.0000256905966396
RRAGD	1.340678571	0.00000016148631539	0.0000023202056810
ETV4	1.338666396	0.00000000901962114	0.0000002022336579
ECEL1	1.338440476	0.00000108074199850	0.0000113762315631
SH2D2A	1.334209821	0.00000639329156341	0.0000518094940309
C15orf42	1.332854911	0.00000004676819429	0.0000008106627695
PNPLA3	1.332549107	0.00395476067721611	0.0115366414154496
NFE2L3	1.332223214	0.00000944486557433	0.0000723190319627
TMEM71	1.330440476	0.00005181838710090	0.0003082046409169
SPRR2F	1.322232143	0.00002710885046753	0.0001746704282702
SOX10	1.318739286	0.00005589381209121	0.0003264825472617
GJB5	1.317077381	0.01173476975966830	0.0287899159952608
FAM49A	1.316830357	0.00000002907564278	0.0000005503705211
IL8	1.314478316	0.00015486704011030	0.0007720191431221
FLJ35880	1.311988095	0.00002560430053072	0.0001666946649135
DLG7	1.310162698	0.00000060251250691	0.0000070386975107
SOSTDC1	1.307302083	0.01398844161983930	0.0334172040607724
C1GALT1	1.307075893	0.00000170452973936	0.0000166457982360
FAM30A	1.305767857	0.00155368624292414	0.0053317990491563
OGFRL1	1.304950893	0.00000435307388841	0.0000372694682227
WNT10A	1.304446429	0.00002223652539214	0.0001478492379797
DCC1	1.304355655	0.00000227914467565	0.0000214608726521
FCRL5	1.304307143	0.00010697317619555	0.0005648002967030
CSDA	1.302102678	0.00000042229333442	0.0000051820878073
ID4	1.301690476	0.00495701721356650	0.0140107891847555
B3GNT3	1.300794643	0.00036478034404209	0.0015915372776706
DLX6	1.298393452	0.00000485328561663	0.0000404440468052
BCL11B	1.296407738	0.00036225546829032	0.0015832843893808
SMOC1	1.295780357	0.00000492388675112	0.0000409641160659
SLC7A5	1.295387649	0.00000000932037185	0.0000002068736990
SLC45A4	1.292709821	0.00000110734352978	0.0000116073745259

CLCN4	1.292196429	0.00000040446961047	0.0000050182333805
STS-1	1.28985	0.00000000322261718	0.0000000860303852
SLC15A2	1.289592262	0.00048824803268730	0.0020347204630742
SPAG5	1.288949405	0.00000747892012588	0.0000599272445984
PRSS12	1.285340561	0.00008007481624311	0.0004404555348906
LOC90925	1.283072024	0.00092017148675168	0.0034697130649210
COCH	1.280085119	0.00036770322750189	0.0016028911399385
MALL	1.27931994	0.00000037455274410	0.0000047292013145
S100B	1.278208333	0.00636952592895465	0.0173273284247950
MGC16291	1.277982462	0.00006611898903132	0.0003743997113891
KRT14	1.276114796	0.00122812679781809	0.0043830363947826
PLA2G4A	1.275473214	0.00004960847431474	0.0002984866083920
SLURP1	1.274879464	0.00000005675678856	0.0000009365806693
WISP3	1.272928571	0.01308140478212050	0.0315062735600206
RGS9BP	1.269129464	0.00027645483440723	0.0012566128836692
GJB6	1.268620536	0.00005957809860889	0.0003443820728838
GALNT3	1.267334821	0.00071672531815949	0.0028084847890262
BCL2L10	1.265629464	0.00000052275417059	0.0000061791273119
CDC48	1.264372024	0.00000006635865174	0.0000010737645912
NANOS1	1.264000319	0.00000448974198231	0.0000380876601175
KRT7	1.263657143	0.00134169308854724	0.0047309347268944
COL4A4	1.263633929	0.00047483367698044	0.0019884157327489
TMCC2	1.25643869	0.00000000845537102	0.0000001939305280
OVOS2	1.255410119	0.00000333187135716	0.0000299090786100
PDK1	1.254895089	0.00000001249276346	0.0000002646771919
GCNT2	1.253160812	0.00002475329624748	0.0001617862499835
GJB3	1.25106131	0.00000020577128842	0.0000028187847729
GLDC	1.250972761	0.00093589784518106	0.0035157695160821
SLC6A16	1.247803571	0.00000158585524835	0.0000157326909559
LDHB	1.247627976	0.00000100407649058	0.0000106816647934
C1orf59	1.247241071	0.00002412163026073	0.0001591136560734
CCL13	1.246900595	0.00035840139308921	0.0015691829820018
KRT6B	1.246832589	0.01348101212420520	0.0323285662450964
FOXM1	1.244416667	0.00000006534360875	0.0000010607728693
SLC5A6	1.244293831	0.00000018566369105	0.0000026076361102
LYNX1	1.243331473	0.00000001454155688	0.0000003042166711
ICOS	1.239585714	0.00044049063185800	0.0018664857282119
STMN1	1.239553571	0.00000018428629297	0.0000025955815911
SOD2	1.238563616	0.00000011846632036	0.0000017576605395
FLJ39660	1.236821429	0.00000008035645862	0.0000012714629528
LAX1	1.236767857	0.00108547448660376	0.0039727773805745
NEIL3	1.236598214	0.00001092819045368	0.0000821668455164
RCAN1	1.236571429	0.00030722333921298	0.0013797519461740
MAGEA1	1.236567262	0.00205858990289238	0.0066491921928049

LAG3	1.234741071	0.00230789703349550	0.0073359727701701
GPRIN2	1.234679167	0.00016807067278327	0.0008223254170132
C8orf46	1.234307079	0.00080515155665282	0.0031159115969536
CYB5R2	1.233214286	0.00000868749048756	0.0000675543583792
SLC35F2	1.225036671	0.00000019997227463	0.0000027668859351
GSG2	1.224848214	0.00000432983620762	0.0000371341012660
FAM112B	1.224639286	0.00089599818316328	0.0033965056223021
SLC39A12	1.223453869	0.00002610515332728	0.0001688561017288
PNOC	1.223080357	0.00680945438070644	0.0183148315780162
FOLH1	1.222410714	0.00001452270480097	0.0001050846946524
ULBP2	1.220529762	0.00000099606545739	0.0000106417249721
EFS	1.218672619	0.00006817315609386	0.0003830321065687
PIWIL4	1.216415179	0.00002158733794700	0.0001437983724642
RNF217	1.216294643	0.00000014122001055	0.0000020586007368
MOBKL2B	1.215708929	0.00000920744954530	0.0000708265349639
POLR3G	1.214025298	0.00000001431584584	0.0000003007530638
CENPI	1.212595238	0.00000085569661602	0.0000093761915425
MGC16025	1.212178571	0.00006634022101398	0.0003752274944230
TMPRSS13	1.211607143	0.00000876677091111	0.0000679594644272
ANP32E	1.210086342	0.00000046828973795	0.0000056149848674
ECAT8	1.206425595	0.00279924982924106	0.0086130763976648
DHCR7	1.205196429	0.00000709599012199	0.0000571964336085
RGMA	1.204623214	0.00000005026708172	0.0000008437107814
ARHGEF4	1.203375319	0.00000032043887243	0.0000041832750970
SLAIN1	1.201642857	0.00310659848702421	0.0094196436841244
CSTA	1.199467262	0.00625277036210111	0.0170840720275987
MFI2	1.199457589	0.00000161539864566	0.0000159624372100
TP53BP2	1.198816964	0.00000003547844287	0.0000006404051059
CLDN23	1.197973214	0.00001021117609541	0.0000777106247748
GNGT1	1.197465242	0.01864867926086060	0.0424590405421194
RRM2	1.195973214	0.00002720851929535	0.0001750869967526
IRF4	1.194183036	0.00007501847117161	0.0004149251724094
OPRK1	1.19313869	0.00005184002060222	0.0003082046409169
TMPRSS5	1.192852679	0.00000793105754086	0.0000631453625865
KIAA1909	1.192654762	0.00002575627064880	0.0001674659990169
AMTN	1.192196429	0.00003746640185955	0.0002321338405177
CCL20	1.192065476	0.00000382923826411	0.0000337080833109
PIR	1.190787698	0.00000872814831449	0.0000677651266653
KIF18A	1.190352679	0.00000527721096965	0.0000434696126001
MDFI	1.189477679	0.00010223612635506	0.0005426545984876
S100A12	1.187522321	0.00003464566699860	0.0002165354187413
ZBTB32	1.187149405	0.00008935570853808	0.0004845754259115
C13orf3	1.186535714	0.00000105374705939	0.0000111389752578
OCA2	1.183572917	0.00029651424672011	0.0013368541330934

SLC16A10	1.182974277	0.00000162910629427	0.0000160345107704
CXADR	1.180452381	0.00071141047428711	0.0027920348284424
AMOTL1	1.179822917	0.00000010408961735	0.0000015819090783
GZMB	1.1798125	0.00009504363692901	0.0005093442493516
PELI1	1.17796131	0.00000004765653469	0.0000008139955342
C16orf73	1.17610119	0.00005563101656472	0.0003253275822498
DIAPH3	1.175879719	0.00000104709940061	0.0000110921546675
EXO1	1.172348214	0.00000075348465585	0.0000084851875659
MND1	1.172214286	0.00014036043130210	0.0007117668930127
TMEM65	1.171558036	0.00003337178801428	0.0002096217840093
ARL14	1.169151786	0.00034513916380265	0.0015217776181775
XK	1.164370536	0.00714032837200843	0.0190510362113352
BNC1	1.164043155	0.00482289490068677	0.0136703370200872
FAM90A1	1.163235119	0.00356131442109496	0.0105473643498903
DKFZp762E1312	1.163034091	0.00000337896448974	0.0000302321360454
CSAG1	1.162190476	0.00004971518745980	0.0002987691554074
EGFL6	1.162160714	0.00116127080897186	0.0042014139253685
FMNL2	1.161569196	0.00000080684467557	0.0000089649408396
DDX26B	1.160973214	0.00000187157955289	0.0000179614160546
C10orf114	1.160924107	0.00305468735815264	0.0092904116732136
SH3GL3	1.160821429	0.00000991746793587	0.0000755904568283
IL2RA	1.15860236	0.00012239233660684	0.0006328455874190
FBXO27	1.158486607	0.00000313007666896	0.0000283521437405
BARX1	1.156782738	0.00019417721533569	0.0009281893658494
DNER	1.15564764	0.00020202365158126	0.0009611020531934
KIF15	1.155232143	0.00007078215518402	0.0003936716083650
AURKA	1.155181818	0.00000179794105996	0.0000173915690102
OTX1	1.15478373	0.00000361649659723	0.0000321752366302
HAPLN3	1.15228125	0.00012173467186188	0.0006300966452478
PRSS33	1.151375	0.00000478092558398	0.0000401461748773
C7orf13	1.150857143	0.00004891072580963	0.0002953546244543
CD19	1.150263095	0.00606372543425637	0.0166375348791735
LBP	1.150189286	0.00260895743312749	0.0081622505597121
FIGN	1.14978125	0.00003237996565288	0.0002041611957937
UBE2E3	1.148946429	0.00001620109926242	0.0001149014132087
MICALL1	1.148883929	0.00000036604035088	0.0000046570019196
ZNF462	1.148660714	0.00103829469795153	0.0038256989607647
CCNYL1	1.146633929	0.00000019503258219	0.0000027161378447
OGDHL	1.145705357	0.00088889939184082	0.0033747129530783
INCA	1.143872024	0.00016032556412461	0.0007929058562048
CLCN5	1.142790179	0.00002086191284682	0.0001402010271963
RIPK4	1.137824405	0.00006527868207880	0.0003709012244336
KIF20A	1.136022321	0.00000185509244433	0.0000178407507043
CBR3	1.133577381	0.00004940785477991	0.0002979967115797



TDRD1	1.130616071	0.00488810980387953	0.0138316632820587
SGOL1	1.130180952	0.00000171702451205	0.0000167351316964
CDC45L	1.128526786	0.00001150848014491	0.0000854429341677
DOCK3	1.127494048	0.00140668609449396	0.0049288230360686
PTX3	1.12659375	0.00666539514663963	0.0179854159380454
CRYAB	1.12590625	0.00019124016378877	0.0009167793086710
FAM64A	1.124085318	0.00001498601454209	0.0001073496743703
POU4F1	1.12296875	0.00050046720998443	0.0020697568651134
C1orf94	1.122651786	0.00005369407079839	0.0003169661794474
C1orf116	1.122564732	0.00445431721623055	0.0127777315439775
GABBR2	1.122558036	0.00005289566776330	0.0003129921169426
PPARGC1B	1.121459821	0.00000750611027566	0.0000600488822053
NOL4	1.119043006	0.01475880473852210	0.0348743023121979
VSTM3	1.1178125	0.00120468907666489	0.0043147889565361
CDC6	1.117517857	0.00086328056091559	0.0033152095273256
MKI67	1.117276786	0.00016691460597072	0.0008190118055482
BOP1	1.116517857	0.00000368354605928	0.0000325977527370
CHRD12	1.115176339	0.00236069265310995	0.0074895071481915
HIST1H1B	1.114366071	0.00247935824242306	0.0078065435844555
PRAME	1.110307143	0.01186950644618860	0.0290492081404518
C6orf156	1.109785714	0.00264029523486144	0.0082252188001914
CHRM2	1.108785714	0.00005002755566560	0.0002999253936786
CCNA2	1.107616072	0.00000220894124778	0.0000208784616992
IL18RAP	1.105004464	0.00108615733584907	0.0039727773805745
MAP2	1.104531647	0.00001103027351127	0.0000825619274795
LOC342897	1.104214286	0.00006978108025669	0.0003907115355918
FLJ25006	1.102245536	0.00033626042418355	0.0014902340202947
TRIP13	1.100058442	0.00000525855952465	0.0000433874548239
DGAT2	1.097970982	0.00116701794322868	0.0042130611668905
GSTA3	1.095857143	0.01732077607800390	0.0398545238794384
FAM135A	1.095319643	0.00000097545283070	0.0000104438204572
HRK	1.095256696	0.00002447278996812	0.0001610051971587
KRT4	1.094432398	0.00009073046035395	0.0004899052934878
WDR4	1.093767857	0.00000055871196534	0.0000065422946761
EFNA4	1.092598214	0.00003322894129916	0.0002089870521960
DEPDC1B	1.091540179	0.00006930292272765	0.0003889052902786
ORC6L	1.091439935	0.00000710379705417	0.0000571964336085
LANCL3	1.090919643	0.00000155350486181	0.0000155040405370
CD79A	1.090300595	0.00045374001343174	0.0019145148246065
ZYG11A	1.089348214	0.00295902371087592	0.0090434709990095
OPN3	1.0851875	0.00002329394206620	0.0001540604634008
PDCD1	1.0833125	0.00128750659598523	0.0045739133657100
MLC1	1.082214286	0.01712416624869750	0.0394517139762712
FAT	1.079747768	0.00002065662609278	0.0001395717979242

CEACAM19	1.077879464	0.00000081243088551	0.0000090069942962
FCRLA	1.077126594	0.00694848827122836	0.0186186716806762
PCDH8	1.076119048	0.00105718242534317	0.0038809927508927
ASNS	1.075505952	0.00000083818176261	0.0000092719221528
NKX2-5	1.074407738	0.00003893166454876	0.0002403189169677
XDH	1.074339286	0.00148893740725755	0.0051449115661975
TLR9	1.073285714	0.00000421312716610	0.0000363200617768
HR	1.072714286	0.00000412514463608	0.0000356846421806
CLDN1	1.070241072	0.01285899607315360	0.0310603769882938
NCR1	1.070125	0.00243131021707034	0.0076730295686108
LAPTM4B	1.069834821	0.00229094602229279	0.0072913622606391
VEGFA	1.069583438	0.00001361860027931	0.0000992609349804
FCRL2	1.069394048	0.00156282586756821	0.0053558117462927
IL20RB	1.068785714	0.00022183097799192	0.0010356254808213
OSBPL3	1.064928572	0.00000399855501014	0.0000347700435664
ODC1	1.064927778	0.00000244418759073	0.0000228428746798
KIFC1	1.064270833	0.00002126007908120	0.0001423030728326
PRR6	1.062245536	0.00039694534884025	0.0017080264580045
CALB2	1.062098214	0.00671028491790485	0.0180870213420616
PTPLA	1.061852679	0.00133904110483105	0.0047262466919867
PTGS2	1.058060606	0.00590734237317555	0.0162736704495194
CENPE	1.056821429	0.00001479054659921	0.0001064068100662
GRHL1	1.056380357	0.00001371330934620	0.0000996606783881
SLC25A33	1.055482143	0.00000266426311894	0.0000247608096556
PDE7A	1.055430357	0.00001281487224824	0.0000939506763067
CCL17	1.054991071	0.00104969482871221	0.0038591721643831
CCNB2	1.052751984	0.00000307218161512	0.0000279797961304
ZBP1	1.049997024	0.00130939565895143	0.0046465424377269
TLE1	1.04871875	0.00001771061097787	0.0001228197709977
FAM26F	1.047258929	0.01043206091777410	0.0261062585529882
SLC4A11	1.046157844	0.00002746881817016	0.0001765348211450
SLC16A8	1.04375	0.00000240481269026	0.0000225169727553
NMT2	1.041988095	0.00000975580228420	0.0000744717731618
APOBEC3A	1.041942857	0.01460229227524800	0.0345993220653915
ACAN	1.041895833	0.00050771956468247	0.0020957417826417
RBM38	1.041247024	0.00000839388714961	0.0000656949709190
CD79B	1.040299107	0.00200246964704537	0.0065057493406282
DLX5	1.038452381	0.00022163698190778	0.0010356254808213
WNK3	1.037761905	0.00003871845540832	0.0002392982410897
NCAPH	1.035273278	0.00001039408136704	0.0000785051462768
CHMP4C	1.033794643	0.00239989569556305	0.0075898029587699
SOX8	1.03371875	0.00018380052250287	0.0008879252294825
WWTR1	1.031672619	0.00000393877012992	0.0000343368749261
GNLY	1.030169643	0.00263786924379447	0.0082227844257933

LMO1	1.029794643	0.00054280306557057	0.002232921020707
OXCT1	1.028907467	0.00005449871659811	0.0003213367723945
CKMT1A	1.0285	0.00852768685959289	0.0220581656999299
MAGEA10	1.02796131	0.00087895940620927	0.0033522479260460
ARHGAP11A	1.027372024	0.00000619770193222	0.0000503878205872
CDC25B	1.027160714	0.00002463536415511	0.0001614375108460
PAMCI	1.026746429	0.00113333006870048	0.0041092460794071
CLEC4D	1.024936012	0.00329112890114676	0.0099011098109108
PTK7	1.02353869	0.00030740873360758	0.0013797519461740
RHBDL2	1.02339623	0.00034901253483782	0.0015334469896214
CAMKV	1.023107143	0.00001209849022602	0.0000890905024007
SMTNL2	1.021235119	0.00202429186089996	0.0065681111645035
CCL18	1.021175595	0.00015053208501620	0.0007539883774622
ORM2	1.019345238	0.00213230321247232	0.0068606924468221
GPR115	1.018661458	0.00132552353133894	0.0046904583557641
CLEC4E	1.018157738	0.00092086184743002	0.0034697130649210
ZCCHC11	1.018071429	0.00000484441262256	0.0000404375010231
MET	1.017220173	0.00000908372133292	0.0000700904423836
DONSON	1.016738095	0.00000814568823997	0.0000643419292256
CDCA5	1.013130952	0.00005081197989955	0.0003031741044126
TNFRSF17	1.012911905	0.01614051965236270	0.0375186416837813
SLAMF7	1.012761905	0.00735250183457735	0.0195536103698441
SPRR2D	1.01139881	0.00042074858662663	0.0017932640591137
B3GAT1	1.010535714	0.00875541113955698	0.0225732010739361
BUB1B	1.010315476	0.00002609439623305	0.0001688561017288
03-Sep	1.009629464	0.00008030352638196	0.0004412281669339
AMD1	1.009441964	0.00001173744971228	0.0000868154564518
TNIP3	1.00855506	0.00078573523688722	0.0030502144289100
POP1	1.008535714	0.00001146918098076	0.0000853658647048
B3GNT4	1.008339286	0.00049140077765288	0.0020435913426780
GSTA4	1.003336309	0.00070736936062450	0.0027783556976610
E2F8	1.00100119	0.00001680785992722	0.0001177540635970
SLC22A16	1.000900298	0.00041023531607482	0.0017591565869418
ECM2	-1.000200893	0.00051069156261808	0.0021050765153260
LRIG1	-1.000315476	0.00006314163542616	0.0003608093452924
TP53AP1	-1.000339286	0.00001470439540709	0.0001060923189545
FOXD2	-1.000709821	0.00105223192147007	0.0038656573162016
CCDC11	-1.000848214	0.00071492590378430	0.0028036309952325
PIH1D2	-1.003651786	0.00022604781628302	0.0010513851920140
LOC388135	-1.003976786	0.00032130447902707	0.0014319716391357
BNC2	-1.004752551	0.00010209619151087	0.0005426545984876
PARP3	-1.005794643	0.00000499769629991	0.0000413716581118
RASEF	-1.008772321	0.00205168829636538	0.0066375001856801
RAB26	-1.008901786	0.00029209744182025	0.0013193199720879

IL19	-1.009602679	0.00838214673771138	0.0218398820680338
CXCL12	-1.014314881	0.00018434646507491	0.0008879887527693
UMOD	-1.014434524	0.00450592785874294	0.0129035734786453
DKK2	-1.014727976	0.00011210719208463	0.0005881804411576
STK39	-1.017470982	0.00001491626474555	0.0001070033338992
IL1RAPL1	-1.018662202	0.00081144630518610	0.0031378434075255
FLJ39653	-1.019443452	0.00000429719725821	0.0000369810435302
KIAA1324L	-1.019959821	0.00103814156653783	0.0038256989607647
COL12A1	-1.020899554	0.00152453954744142	0.0052389675169808
CREB3L4	-1.021857143	0.00010023096985906	0.0005354218475377
TEKT2	-1.023776786	0.01084173802141510	0.0269534328213204
TIPARP	-1.024383929	0.00000311435256703	0.0000282609125865
MGC24103	-1.02475	0.00025028004414904	0.0011480735970139
SNED1	-1.026629464	0.00000357373146851	0.0000318514391132
ZDHHC11	-1.027404762	0.00392772429337699	0.0114644608680006
CORO6	-1.027897321	0.01267714082228780	0.0306655559319975
POSTN	-1.028142857	0.00056912036199161	0.0023228020396807
CCNO	-1.028273214	0.00705009573459206	0.0188404482485090
MAB21L1	-1.031421131	0.00005973242976810	0.0003447532723751
TMEM178	-1.031508929	0.00001544052494389	0.0001104472456644
KCTD3	-1.033080357	0.00000251366500188	0.0000234483675549
MYST4	-1.034023214	0.00049025527336691	0.0020410294478223
HOXD8	-1.036535714	0.00220741292094181	0.0070738231126725
HPGD	-1.036827299	0.00236591099705609	0.0074965494203298
BMX	-1.038973214	0.00024449293426458	0.0011246225127166
LRFN2	-1.039979167	0.00323731629501467	0.0097568303044445
RUNX1	-1.040654018	0.00013750473595008	0.0006987029265756
BLVRA	-1.041138393	0.00000328225997706	0.0000295167264124
C14orf50	-1.041776786	0.00258336113795925	0.0080932366477420
AMDHD1	-1.041860119	0.00161838776618735	0.0055159773898683
ZMAT1	-1.041861607	0.00022814998431226	0.0010582095747322
DKK3	-1.042247024	0.00006535279574520	0.0003709012244336
KCNF1	-1.043169643	0.00361452595952664	0.0106812232846532
SATB2	-1.044098214	0.00021182594161301	0.0009972972768974
ADRA2C	-1.044880952	0.00356206364353711	0.0105473643498903
TCEAL7	-1.045199405	0.00057617649706651	0.0023461289040907
ZNF772	-1.045741071	0.00002064972149953	0.0001395717979242
CTSO	-1.046044643	0.00008189293698219	0.0004484826778871
HOXD1	-1.047535714	0.00016665978506659	0.0008185647596591
PCDHB16	-1.049604167	0.00191462546452722	0.0063022563019329
NYD-SP21	-1.051352976	0.00054257989065806	0.0022232921020707
ETNK2	-1.053807738	0.00034069418749721	0.0015061635167870
SPEF1	-1.055094093	0.00000227036505922	0.0000214185382945
HMGCS2	-1.057122024	0.00274291926394408	0.0085020095206585

GHRH	-1.059056548	0.00415647878207543	0.0120547528482466
TEKT3	-1.060431548	0.00138480505148076	0.0048623772875027
KIAA0984	-1.060860119	0.00001654495686366	0.0001166471621407
KLHDC1	-1.062633929	0.00001703087477295	0.0001184736228650
KSR2	-1.062675595	0.00005080265417831	0.0003031741044126
SPON1	-1.06345	0.00401803587809625	0.0117075637473667
IGSF21	-1.06364881	0.00959710439102801	0.0243457747108778
IQUB	-1.064222258	0.00017144390609906	0.0008363117370686
C9orf128	-1.064633929	0.00073489174811762	0.0028661924653573
NAP1L2	-1.065357143	0.00575844044680726	0.0159337035052774
LSDP5	-1.065526786	0.00014484308396714	0.0007315307271068
FBXO36	-1.066362302	0.00002455008189299	0.0001613014579040
PMAIP1	-1.067947704	0.00200534933208358	0.0065108744548168
PLEKHF2	-1.068723214	0.00011280493656334	0.0005901911691270
BMP4	-1.069004464	0.00086992075689334	0.0033330297198979
ADCY9	-1.070044643	0.00000515230185356	0.0000425810070542
GDF15	-1.070648809	0.00099402907242343	0.0036918034231580
ZNF597	-1.076053571	0.00002973821984429	0.0001894154130210
PCSK4	-1.076955357	0.00004380339884094	0.0002680746563093
HSPB8	-1.077010714	0.00374703231014158	0.0110142043214038
FCGRT	-1.077428571	0.00000197899944960	0.0000188117818403
DKFZp666G057	-1.078607143	0.00086820536684026	0.0033290083084366
TSC22D3	-1.078649554	0.00000138405042145	0.0000140370225299
PCDHB4	-1.079258929	0.00023922549874990	0.0011044575196210
IGF1	-1.081393973	0.00194241743146251	0.0063607662016997
C7	-1.081558673	0.00788303960860915	0.0208215520565482
FRY	-1.082002976	0.00003034432091075	0.0001927847580098
F2RL2	-1.084060795	0.00000386367958304	0.0000339514901849
PDGFD	-1.084488095	0.00007480496553333	0.0004142024669619
GALNT7	-1.085345238	0.00252868064825244	0.0079418362068230
ST6GAL2	-1.088629464	0.00005781540431842	0.0003365273825286
C17orf58	-1.088973214	0.00006817971496923	0.0003830321065687
MYCBPAP	-1.090400298	0.00166359931651013	0.0056508128957545
MAOA	-1.092837054	0.00640028364484444	0.0173920751218599
CASD1	-1.093653571	0.00056955106012970	0.0023228020396807
CARTPT	-1.09396875	0.02230606256903680	0.0491973148853922
C10orf79	-1.095215455	0.00011414672143267	0.0005963778549251
CNTN4	-1.096660714	0.00273114501740040	0.0084712934782891
PCDHB5	-1.098236607	0.00158702848040602	0.0054164794553106
SKAP1	-1.098566964	0.00163732259997622	0.0055729155887550
NRIP1	-1.100107143	0.00001476749450341	0.0001063940526182
EMX1	-1.100441964	0.00167248969864332	0.0056694566055706
LOC100049076	-1.101151786	0.00011541509776974	0.0006023752493202
LRRCS5	-1.101589286	0.00012676973272655	0.0006521076786345



PECI	-1.101700893	0.00000062877017912	0.0000072774326287
ELOVL5	-1.102366071	0.00001673248215404	0.0001176686508723
TTC29	-1.103276786	0.00371360502209973	0.0109481280132657
THPO	-1.103567262	0.00000770841384637	0.0000615688006898
CACNA1D	-1.104530612	0.00047278811780630	0.0019831716350936
FGFR2	-1.105814595	0.00094773260186956	0.0035469034501106
STOX1	-1.107272321	0.00377625295698410	0.0110805544512444
SERHL	-1.107357143	0.00209880030629081	0.0067736043494745
KCND2	-1.109254464	0.00653179995194861	0.0176821872007272
SGCD	-1.109495536	0.00001852735211226	0.0001272927821424
ZNF396	-1.109787628	0.00000085933581261	0.0000093813953342
FAM38B	-1.10997619	0.00042070036293576	0.0017932640591137
TNMD	-1.110504464	0.01460783377600830	0.0345993220653915
ASPA	-1.110601786	0.00035743352801433	0.0015663169501066
HOXB6	-1.111166667	0.01780186285324990	0.0408112399203344
TSGA10	-1.111352679	0.00104778110112123	0.0038549709386359
PDK4	-1.111941964	0.00903798616743662	0.0231150541366665
C1orf102	-1.11234375	0.00000034042047031	0.0000043755844513
FLJ37078	-1.112709821	0.00004139030427364	0.0002545529168120
LPL	-1.112714286	0.00698700822469163	0.0186918358070937
SPOCK1	-1.114375196	0.00020993991648766	0.0009922824164479
CBFA2T3	-1.116080357	0.00313040073614070	0.0094648276712442
ADIPOQ	-1.117508928	0.01130548195609990	0.0278597386793984
RALGPS2	-1.118806548	0.00004458219683801	0.0002716821016865
GPR81	-1.120839286	0.00000089963725255	0.0000097786657885
C6orf154	-1.122758929	0.00002042077606116	0.0001385398647297
DBNDD2	-1.123416667	0.00000931535561827	0.0000715465101250
FOS	-1.124247768	0.00265417313556060	0.0082633036599022
ASTN2	-1.1265	0.00001841152330953	0.0001268011247213
GNA14	-1.127553571	0.00226132134456540	0.0072108461242519
MPP7	-1.128886161	0.00001547263628965	0.0001105188306404
PLS1	-1.132127976	0.00142230901794429	0.0049696331863882
ELP2	-1.132422619	0.00063566074482266	0.0025406104908979
PRND	-1.132864371	0.00082177344112645	0.0031655371383916
CX3CR1	-1.136193559	0.00068355865623916	0.0026954205687664
SCGB1D1	-1.137089286	0.01176829932466230	0.0288572300284229
RHOB	-1.137324405	0.00000093996615215	0.0000101289456050
C20orf85	-1.138731824	0.01985576312234870	0.0445996476243232
NLRP5	-1.139745536	0.01557418364006360	0.0364734979860974
C14orf174	-1.140933036	0.00001656389702398	0.0001166471621407
SFTPD	-1.141071429	0.00018463518040983	0.0008885234860916
DLX2	-1.143449178	0.01830220549542280	0.0417667857038402
ZNF671	-1.143691964	0.00006763189800128	0.0003815239874584
ATP6V1G2	-1.143714286	0.00002407302322146	0.0001590027953861

CD36	-1.144081535	0.00685974934710519	0.0184104920748932
ZBTB16	-1.145316964	0.00052767840491406	0.0021715160696052
C10orf107	-1.145474405	0.00194239487981479	0.0063607662016997
PGDS	-1.148351722	0.00002470662748864	0.0001616925882764
FLT3	-1.150279762	0.00312137654278096	0.0094499510602389
GALNTL1	-1.150647321	0.00194872865261223	0.0063625983816152
ROBO2	-1.15172736	0.01438937551555910	0.0341952840198647
SEMA6D	-1.153265306	0.00053251072091752	0.0021878008254623
FAM110B	-1.154040179	0.00004034242446497	0.0002484139437498
RLN1	-1.154142857	0.00177620295141061	0.0059444543219900
WNT4	-1.155303571	0.00043618102367144	0.0018529355296153
ITGB5	-1.155353571	0.00000277845556232	0.0000256905966396
LRRC6	-1.155611607	0.00108222267900766	0.0039641856373907
KCNJ11	-1.1575	0.00001175490186891	0.0000868161142460
PRO0132	-1.157669643	0.00012986040976759	0.0006645875627819
TMEM25	-1.158529762	0.00000073733421073	0.0000083220565545
CSAD	-1.158959524	0.00000540550528184	0.0000443801747278
CHRD	-1.159711416	0.00000033762701262	0.0000043621061062
LRRC44	-1.160392857	0.00033008215936445	0.0014670318193975
TIMP4	-1.162575893	0.01590731606562260	0.0370799908289572
ANG	-1.163955357	0.00000461472879573	0.0000388445184826
ZSWIM5	-1.167352679	0.00012731909770478	0.0006542605226350
NAP1L3	-1.17053125	0.00001681528028166	0.0001177540635970
ODZ2	-1.171991071	0.00694504278443364	0.0186186716806762
P2RX4	-1.172026786	0.00000012740179101	0.0000018846418789
SSTR2	-1.172327381	0.00003349434447363	0.0002098643137446
FLJ36208	-1.174901786	0.00009891315981277	0.0005289473786779
LOC728215	-1.17762213	0.00060118645037989	0.0024241389128221
C9orf150	-1.178732143	0.00019355914464245	0.0009261203092940
C9orf75	-1.1795	0.00000161290803484	0.0000159624372100
UNC5B	-1.180066964	0.00000531508847770	0.0000437096091916
RP4-692D3.1	-1.180729167	0.00001642006116917	0.0001159608839631
LOC644186	-1.185223214	0.00461122668755411	0.0131448879348749
GLIPR1L2	-1.185561756	0.00001940244606177	0.0001327116693691
TIMP3	-1.187266369	0.00000432268140877	0.0000371341012660
C1orf78	-1.187979167	0.00000025481913479	0.0000033795641218
ADH1C	-1.1889375	0.00437793752944656	0.0126165346669930
TPSAB1	-1.189053571	0.00000659437382353	0.0000533525390253
MGC45438	-1.189532738	0.00875778081015402	0.0225732010739361
SMARCA1	-1.191459821	0.00046282226613204	0.0019446313703027
MYO5C	-1.192649554	0.00000011776991913	0.0000017525285585
PTGER3	-1.194387224	0.00005485970738805	0.0003223249552764
MPV17L	-1.196949405	0.00057783893173104	0.0023508500070425
ASAH1	-1.197283929	0.00002322724708897	0.0001538228284038

DEPDC6	-1.197285714	0.00004733143604399	0.0002861634585489
MCCC2	-1.197933036	0.00000412500936152	0.0000356846421806
SPATA20	-1.199223214	0.00000076545577491	0.0000085978114579
TMPRSS6	-1.19940208	0.00000798632824808	0.0000634843262964
LOC541469	-1.199459821	0.00007156145506852	0.0003975636392695
NEURL	-1.203053571	0.00156228378155181	0.0053558117462927
EDG2	-1.208758929	0.00000437220304109	0.0000373357948983
SLC26A3	-1.209642857	0.00010221508496608	0.0005426545984876
DNAH5	-1.209976786	0.00000840895627764	0.0000656949709190
CCDC78	-1.210080357	0.00178456289395219	0.0059642308846781
RPH3AL	-1.213821429	0.00001416914777143	0.0001028240041468
WISP2	-1.214861607	0.00141230412184801	0.0049415819518825
LRRC56	-1.215178571	0.00001947261129837	0.0001330096400162
ABCA3	-1.216075893	0.00000156747204561	0.0000155812330578
NRXN3	-1.216522321	0.00173846534138957	0.0058494796143660
EBF4	-1.216652597	0.00000007661077158	0.0000012199167450
TCEAL4	-1.217022321	0.00000480614389252	0.0000401851496030
ARMC3	-1.22015625	0.00877526661169075	0.0225817462987410
BCAS4	-1.220758929	0.00000061758558734	0.0000071812277598
ASPN	-1.220767857	0.00023036629905363	0.0010665106437668
EGR3	-1.221107143	0.00176300315465697	0.0059084495394160
FLJ44379	-1.221482143	0.00406401522484082	0.0118208703456685
ADAMTS19	-1.222488095	0.00405941664226482	0.0118143674105495
MAGEL2	-1.223508929	0.00000828899869558	0.0000652661355194
CIB3	-1.226920833	0.00012152805278273	0.0006296790299623
LIN7A	-1.227015476	0.00378409724145766	0.0110970593591134
CCND1	-1.22727381	0.00033540090356298	0.0014893468186633
LOC339745	-1.227667411	0.00000001174465699	0.0000002533435264
CACNA2D2	-1.227698661	0.00000070740050648	0.0000080286609776
IQCA	-1.229089286	0.00101355015218087	0.0037566721726496
AMZ1	-1.230223214	0.00987194103876758	0.0248788836662489
NUDT16P	-1.231023214	0.00007795601273110	0.0004297464869410
PLK2	-1.232553571	0.00000173293137647	0.0000168355560084
AMPH	-1.234183036	0.00019661235377499	0.0009380360390028
LAMA2	-1.235495536	0.00000164465911823	0.0000161557870160
RGL3	-1.2388125	0.00007855639531907	0.0004325792693781
HTRA1	-1.238871429	0.00000099958131258	0.0000106565171917
HHAT	-1.239589286	0.00000026927148159	0.0000035430458104
APOF	-1.239928571	0.00088474009424117	0.0033634931041461
ZNF91	-1.242263393	0.00003502579987347	0.0002183653358695
PH-4	-1.246379464	0.00000005778140081	0.0000009472360789
CNGA3	-1.248303571	0.00012752482487873	0.0006546448915746
CYP2A6	-1.251747768	0.01049233223772370	0.0262439525705945
MAG	-1.253651786	0.00002063469918135	0.0001395717979242

RGS5	-1.254029762	0.00008442964847550	0.0004613641993197
RABEP1	-1.25584375	0.00000037401855280	0.0000047292013145
FGF18	-1.257112013	0.00005476861566564	0.0003221683274449
MRPS30	-1.257130952	0.00112329303151103	0.0040758092580226
MAN1C1	-1.257348214	0.00000413401287620	0.0000356995930587
C10orf32	-1.258158482	0.00000000361646087	0.0000000946717506
PRSS23	-1.262933036	0.00010995237524745	0.0005774809624341
ATP2C2	-1.264607143	0.00081993938626515	0.0031609074258487
C3orf15	-1.264838492	0.00004449204031926	0.0002716241777733
RHOH	-1.268785714	0.00091925602377680	0.0034688906557615
C18orf1	-1.27183631	0.00002152422754409	0.0001436864322035
HHEX	-1.274517857	0.00010988324695276	0.0005774809624341
MEGF9	-1.278455357	0.00000013102592972	0.0000019325358365
PLAC1	-1.279058036	0.00118205827400093	0.0042550693808529
BTG2	-1.279566667	0.00000065070597294	0.0000074966125915
MGC88374	-1.280083333	0.00791126247474885	0.0208850646112694
STEAP2	-1.28348852	0.00044124165678774	0.0018680849144274
DCDC5	-1.284525595	0.00001043614870820	0.0000787039872413
TMTC2	-1.284629464	0.00000134993274376	0.0000137748239159
LRRC49	-1.284808036	0.00003217802633385	0.0002034009249927
HTR2B	-1.285526786	0.00002877547564190	0.0001839864171477
PALM	-1.286433036	0.00000001175513963	0.0000002533435264
CMYA5	-1.288920833	0.00000066851273959	0.0000076664304999
SORCS1	-1.290630357	0.00898203118615147	0.0229954715467268
NR2F2	-1.292604911	0.00000805129129895	0.0000638991372933
GALNT6	-1.293080357	0.00000101053274928	0.0000107275238777
DDO	-1.293848214	0.00006070321128635	0.0003489622509331
IQGAP2	-1.293991071	0.00003446794490280	0.0002156942734843
TSPAN15	-1.294394643	0.00000133709093482	0.0000136997022011
COL4A6	-1.29479881	0.00109479181356848	0.0039985091803085
DCN	-1.294982143	0.00004683111442653	0.0002836555079225
GALNAC4S-6ST	-1.300321429	0.00000000049198098	0.0000000196267237
SULF2	-1.300392857	0.00000439068948004	0.0000373357948983
DCLK1	-1.300716865	0.00030951365427351	0.0013867099205803
TMEM121	-1.301852679	0.00000394187324152	0.0000343368749261
NR2E3	-1.30443006	0.00000002182313328	0.0000004364626656
RSPH1	-1.304558036	0.00000061269488588	0.0000071409660359
NEDD4L	-1.30466875	0.00000009120330396	0.0000013988236804
CITED1	-1.30528125	0.00044292959176743	0.0018736446352260
C1QTNF7	-1.306794643	0.00001036252091627	0.0000783851809098
MTL5	-1.308443452	0.00000310842230323	0.0000282583845748
FLJ21062	-1.308932143	0.00001792240645347	0.0001239447195952
SEZ6L	-1.309541135	0.00042549267506629	0.0018106071279417
SLC16A9	-1.310508929	0.00037034116048487	0.0016129841484533

CTSG	-1.31115625	0.00132436672300861	0.0046896838633449
STH	-1.311574405	0.00018309713734234	0.0008853826757366
SLC19A2	-1.311821429	0.00000907346397823	0.0000700904423836
TPBG	-1.312901786	0.00000002583254201	0.0000005088017744
SPEF2	-1.316801658	0.00000004096599590	0.0000007237808464
ADCY5	-1.317117666	0.00005461576369520	0.0003216476071566
GDF9	-1.318043155	0.00236579678786624	0.0074965494203298
ITGBL1	-1.318449405	0.00001676518032845	0.0001177330079245
BAIAP3	-1.322316964	0.00008147205280271	0.0004466669561552
SFRP4	-1.322455357	0.00024214781750164	0.0011158885599154
OSBPL6	-1.324107143	0.00014564478132350	0.0007342122978096
DYX1C1	-1.32421875	0.00000067974786348	0.000007774355089
TMEM45B	-1.324910714	0.00585240157317639	0.0161490109635110
C8orf4	-1.327241071	0.00077081212720800	0.0029992689774630
SH3BGRL	-1.327950893	0.00008994920002238	0.0004872654389078
SHC2	-1.329803571	0.00000299770175766	0.0000274326062732
ATAD4	-1.330032143	0.00000044131788011	0.0000053428314783
ABCA8	-1.3305625	0.00048396793853607	0.0020215870448457
PCP2	-1.33302381	0.00000003962495145	0.0000007050703105
ZNF516	-1.334253042	0.00000295470728637	0.0000271572360879
EFCAB6	-1.33600744	0.00000041778549797	0.0000051451416006
RTN4RL1	-1.341302083	0.00000030560895220	0.0000040106161706
CIRBP	-1.346994898	0.00000000191921191	0.0000000564474090
CYB5D2	-1.347913691	0.00000000227195832	0.0000000633187248
IGFBP2	-1.352485119	0.00009113831095885	0.0004910469340455
PLAC9	-1.354678571	0.00000299510889582	0.0000274326062732
ACOT4	-1.355370536	0.00000002245625918	0.0000004473358402
SIAH2	-1.35578125	0.00000141216963987	0.0000142643397967
C3orf18	-1.35765625	0.00000002376781310	0.0000004715835932
IQCH	-1.357872449	0.00000000163025772	0.0000000507586576
LOC400451	-1.358214286	0.00000016876087805	0.0000024108696864
SLC7A13	-1.359599702	0.00038219045949245	0.0016573740654486
GLYATL1	-1.361147321	0.01575469964575880	0.0368378621930416
TCEAL6	-1.367294643	0.00000008933224759	0.0000013828521298
SFRP2	-1.378238095	0.00010802281683260	0.0005691402362097
LOC440087	-1.380388393	0.00047419212224885	0.0019873936389306
AGXT2L1	-1.38625	0.00846724527281296	0.0219891150706520
LRP2	-1.386256059	0.00220844757577635	0.0070738231126725
PRLR	-1.388630357	0.00000013266515365	0.0000019509581419
SDPR	-1.390183036	0.00028577637507978	0.0012942770610497
TMEM157	-1.391008929	0.00000000489034268	0.0000001216503154
RAB30	-1.391017857	0.00000611093275337	0.0000498444759655
TNNT1	-1.396455357	0.00616734483392361	0.0168691051256116
C20orf26	-1.396747024	0.00000559650290870	0.0000458729746615



EDIL3	-1.396883929	0.00192695337853801	0.0063351930395816
C20orf39	-1.397442262	0.00087461933242530	0.0033425761369152
FLJ46266	-1.398485438	0.00307704889001835	0.0093470500911857
IGFBP4	-1.400904762	0.00000049168641189	0.0000058673796168
GPBR	-1.402272321	0.00064096009855076	0.0025577019096199
GLRB	-1.407425	0.00032899788584568	0.0014648169449941
KIAA1276	-1.408068452	0.00000032498014614	0.0000042135413897
GRIA2	-1.408134373	0.01117029902289320	0.0275946122107047
RDHE2	-1.409541667	0.01897463521050690	0.0430459056499703
PDE8B	-1.409595982	0.00049728486348916	0.0020617117060081
PTPRN2	-1.409977041	0.00043707074848314	0.0018535655151957
TMEM144	-1.410196429	0.00000001544328622	0.0000003204001290
FBXL16	-1.410334821	0.00284877112750437	0.0087439261126592
C14orf45	-1.412571429	0.00000003230041055	0.0000005981557509
COX6C	-1.413160714	0.00042105840107990	0.0017932640591137
TCEAL3	-1.413174107	0.00000003516876221	0.0000006371152574
ARMCX2	-1.417172619	0.00000201163919537	0.0000190857608669
CHAD	-1.419714286	0.00000855411525300	0.0000666208353038
QDPR	-1.421727679	0.00001103020785974	0.0000825619274795
RAI2	-1.422175595	0.00000180347631003	0.0000174080724907
TCEAL5	-1.422366072	0.00000010039957710	0.0000015304813582
LARGE	-1.426892857	0.00000283246899625	0.0000261297877883
WFDC2	-1.428470982	0.00194786001920129	0.0063625983816152
NELL2	-1.429366071	0.01920562416766910	0.0434909967564970
GSC	-1.430821429	0.00035211962195393	0.0015443843068155
COLEC12	-1.430898809	0.00000830185243807	0.0000652661355194
CCNG2	-1.430975446	0.00000000796223783	0.0000001843110608
PPM1H	-1.431214286	0.00000113889460581	0.0000119131234917
GDF10	-1.43433631	0.00012597168718685	0.0006486698619302
TGFB3	-1.436172619	0.00000000030471630	0.0000000133647498
CYBRD1	-1.437333929	0.00004561462918953	0.0002767877984802
AKR7A3	-1.443714286	0.00000084426876729	0.0000092981141772
LUZP2	-1.445705357	0.00039331553762632	0.0016982536166940
VIPR2	-1.446515625	0.00185938460909415	0.0061732556742834
SYDE2	-1.446855655	0.00002580299339904	0.0001675519051886
SLC22A5	-1.448745536	0.00000006501879353	0.0000010589380054
WWP1	-1.4493125	0.00000013880232617	0.0000020326139348
CYB5A	-1.451114286	0.00000091402412599	0.0000099028554899
ZNF214	-1.451539286	0.00027845165814175	0.0012645397735775
MGC26718	-1.452473214	0.00001856438304485	0.0001273277300744
DNMBP	-1.453116071	0.00000000046327219	0.0000000186803303
SOCS2	-1.455417411	0.00005241343488452	0.0003112436750862
LOXL1	-1.455955357	0.00000002178224973	0.0000004364626656
NOVA1	-1.456434524	0.00004387144506702	0.0002681628671578

RAMP1	-1.456602679	0.00009405250424365	0.0005051154900303
LOC130940	-1.458125	0.00000005771792717	0.0000009472360789
ACMSD	-1.463971726	0.00141077740673331	0.0049396968022875
GPC4	-1.465488095	0.00016642236363503	0.0008185647596591
HDC	-1.466580357	0.00067401859544903	0.0026722200505986
IRS1	-1.467701786	0.00000002664869334	0.0000005184570688
GLRA3	-1.467730357	0.02134680661550020	0.0473741824578343
KIAA1622	-1.468986288	0.00169319925084543	0.0057164053033269
UGDH	-1.470633928	0.00000008109077204	0.0000012750121390
SLC22A4	-1.471392857	0.00000004752429493	0.0000008139955342
ZMAT4	-1.472583333	0.00204574481392931	0.0066248212886312
SLITRK6	-1.474233631	0.01697388633506010	0.0391464168244007
PHOSPHO2	-1.477803571	0.00000000509018468	0.0000001253740069
SERPINI1	-1.48003125	0.00041210488428263	0.0017641476210729
NPFFR2	-1.480283801	0.00066744711675640	0.0026528104799539
JMJD2B	-1.482736607	0.00000000002846789	0.0000000018485643
C10orf65	-1.486043155	0.00005882499645084	0.0003408168971659
CXXC4	-1.487410714	0.00023979468910225	0.0011060640641248
C3orf52	-1.488180166	0.00001486443563890	0.0001067847387852
CHST8	-1.491152105	0.00216295730895912	0.0069503769568095
CCDC40	-1.49534375	0.00000043639395223	0.0000052960431096
CTTNBP2	-1.495883929	0.00000638791919150	0.0000518094940309
KIAA1467	-1.497008929	0.00006768235537511	0.0003815239874584
HOXB2	-1.497241072	0.00041763620361517	0.0017832459590742
RANBP3L	-1.500228699	0.00002867319675566	0.0001836641192539
LDLRAD1	-1.502404762	0.00014609709709464	0.0007348948546008
KCTD6	-1.502482143	0.00000187562999472	0.0000179658045471
CYP2A7	-1.502620961	0.00532380253950444	0.0148543597642423
RASL11B	-1.5029375	0.00000001215175780	0.0000002586802502
NUDT10	-1.503958333	0.00007752232086444	0.0004278273778391
REPS2	-1.504823661	0.00001629949012992	0.0001153154043268
KRT18	-1.507641234	0.00000000020467573	0.0000000094757283
C9orf98	-1.50765625	0.00000000603173513	0.0000001456940852
GPRC5C	-1.508092262	0.00001550156100381	0.0001105674821955
SYTL4	-1.510190476	0.00000039210049279	0.0000049135400100
MYT1	-1.515473214	0.00241251931486112	0.0076249030178923
LOC285141	-1.51596875	0.00008087571636051	0.0004438842829885
LRRC4C	-1.517269345	0.00000392208839611	0.0000343368749261
LOC253012	-1.517828869	0.00865546931651100	0.0223771181916003
MMEL1	-1.520584821	0.00000010866378487	0.0000016365027842
SEMA3E	-1.525111607	0.00292838284600639	0.0089717611703627
FLJ40504	-1.531026786	0.00000000152174881	0.0000000488317324
C4orf32	-1.531102679	0.00000000186668454	0.0000000555560875
CYP21A2	-1.536602679	0.00000124091500318	0.0000128993243574

SLC30A8	-1.539982143	0.01776696646193280	0.0407499230778274
LASS6	-1.540341518	0.0000000001762460	0.0000000012411691
RBM24	-1.541491071	0.00022097734515268	0.0010345381327373
GPRC5A	-1.542253571	0.00000091502384727	0.0000099028554899
SEMA3B	-1.543515625	0.00000035408718115	0.0000045395792456
MGC3771	-1.544491071	0.00000002594889049	0.0000005088017744
GLI3	-1.54459375	0.0000009081375837	0.0000013980641608
CROT	-1.545032738	0.00000038296577105	0.0000048111277770
SYT9	-1.549048214	0.00000000158915620	0.0000000499734653
SLC27A2	-1.552669643	0.00052970935634753	0.0021780812349816
NPDC1	-1.553220238	0.00000000003467444	0.0000000021403976
STARD10	-1.554098214	0.00000016018727640	0.0000023148450347
GHR	-1.562131696	0.00000052178756878	0.0000061791273119
MAPT	-1.563674872	0.00000001004613073	0.0000002193478325
GLS2	-1.563886905	0.00000006758324800	0.0000010865473955
SMA4	-1.56834375	0.00001990835965393	0.0001354310180539
SORCS2	-1.569714286	0.00000256836840503	0.0000239140447396
PNPLA4	-1.569950893	0.00000000009025804	0.0000000047281257
CXXC5	-1.5754375	0.00000000007237967	0.0000000039336776
MSX2	-1.57672619	0.00000022398096775	0.0000030515118223
GALNT5	-1.579455357	0.00026129983770200	0.0011942405745064
ABLIM3	-1.581344643	0.00000000585592476	0.0000001421340961
PHYHD1	-1.584157143	0.00000720176773361	0.0000578920235821
SEC14L2	-1.58496627	0.00000068957842407	0.0000078718998182
ZNF365	-1.586848214	0.00000314551654267	0.0000284404750693
EEF1A2	-1.587133929	0.00103588330510743	0.0038224476203226
CRIP1	-1.589550595	0.00000036512384675	0.0000046570019196
RLN2	-1.590505953	0.00032133443582204	0.0014319716391357
NAV3	-1.593973214	0.00000151540988516	0.0000152149586864
FMO5	-1.595221726	0.00011284455153707	0.0005901911691270
LRRC46	-1.601808036	0.00000000176934592	0.0000000531595988
ANKRD21	-1.604193452	0.00004012530244611	0.0002473816427011
SAG	-1.604379464	0.00016665022079506	0.0008185647596591
PPM1J	-1.609102679	0.00000003390234850	0.0000006186559945
KCNK15	-1.614758929	0.00000005274977672	0.0000008762421382
EVL	-1.618216387	0.00000000002208634	0.0000000015127630
HPN	-1.619435714	0.00004952790611463	0.0002983608802086
TMC4	-1.620232143	0.00000000686983279	0.0000001620243584
METRN	-1.621946429	0.00000088478008973	0.0000096381273391
KIAA0888	-1.622221429	0.00003738119092290	0.0002318932439386
PDE6B	-1.630419643	0.00000040112598892	0.0000049986474858
AGBL2	-1.637616071	0.00000153516064639	0.0000153823712063
UBXD3	-1.640282937	0.00000145804920536	0.0000146980766669
SEMA3C	-1.641366071	0.00000239299953368	0.0000224484008788

ITPR1	-1.641850446	0.00000000938618126	0.0000002068736990
AK5	-1.644722895	0.00016932347801379	0.0008275829814946
FUT8	-1.647019231	0.00000000323474248	0.0000000860303852
NUDT12	-1.651241071	0.00000000065468152	0.0000000247062612
ARMC4	-1.659061012	0.00009064024790536	0.0004899052934878
ABCC13	-1.664406845	0.00044508997847049	0.0018811917940427
SCGB1D2	-1.670272321	0.00341973501429613	0.0101959899054745
LYPD6	-1.672330357	0.00001050877370237	0.0000791323320962
RIMS4	-1.674551339	0.00000321079344056	0.0000289782801495
SHROOM1	-1.67609375	0.00001753643087632	0.0001217807699745
PREX1	-1.676142857	0.00000409252871264	0.0000355254228527
KIAA1377	-1.677975446	0.00000456632660428	0.0000385669476712
NXNL2	-1.679294643	0.00000300814793458	0.0000274466052425
TTC18	-1.680102679	0.00000393631212057	0.0000343368749261
MAGED2	-1.680389286	0.00000023367500728	0.0000031492588582
TRIM58	-1.681543155	0.00006078922411255	0.0003489622509331
C4orf34	-1.68234375	0.00000000000311684	0.0000000002513583
FLJ12993	-1.694928571	0.00440050567061378	0.0126669708422964
KIAA1370	-1.698566964	0.00000000040315481	0.0000000167016903
SALL2	-1.700200893	0.00000000042577140	0.0000000174496475
RNASE4	-1.702699405	0.00000002015116816	0.0000004062735515
REEP6	-1.703275298	0.00000218718283545	0.0000207119586690
SYTL2	-1.703940476	0.00000015605243846	0.0000022616295430
ADRA2A	-1.708494048	0.00000000720222768	0.0000001682763476
PIB5PA	-1.71521875	0.00000000197377197	0.0000000573770922
AFF3	-1.717997057	0.00000003349953085	0.0000006158001994
RAB27B	-1.718063492	0.00000002869562895	0.0000005476265067
TSPAN13	-1.718919643	0.00000000067425752	0.0000000247888796
ARNT2	-1.719130357	0.00001462331730377	0.0001056598071082
KLHDC9	-1.722226191	0.00000126008639542	0.0000130443726234
ARSG	-1.723294643	0.00000000061250012	0.0000000237403145
PKIB	-1.726428571	0.00058611467763422	0.0023748568785827
DNAH7	-1.72652381	0.00000000635985628	0.0000001521496717
NAT2	-1.738348214	0.00008519871407233	0.0004650584829276
CPA3	-1.739889881	0.00000048847875564	0.0000058430473163
ENPP1	-1.740431548	0.00000008108539032	0.0000012750121390
SLC4A8	-1.741648597	0.00000000034665746	0.0000000146888752
MS4A8B	-1.750608929	0.00005741433305874	0.0003345823604822
C16orf45	-1.754015625	0.00000009447508706	0.0000014445731966
CXCL14	-1.754763393	0.00000577147464386	0.0000472297434031
DOK7	-1.756424107	0.00001110736918609	0.0000830147173848
C14orf132	-1.759310268	0.00000137346942266	0.0000139580225881
GPR160	-1.760821429	0.00000017377597342	0.0000024754412168
RAB17	-1.766797619	0.00000000000000074	0.0000000000001530

ELOVL2	-1.767737564	0.00002647631590425	0.0001708149413178
SCNN1A	-1.77175	0.00000000177553060	0.0000000531595988
STK32B	-1.772067772	0.00000000470001975	0.0000001180909485
NOSTRIN	-1.773604911	0.00000002013262868	0.0000004062735515
CYP26A1	-1.774625	0.00001030197671994	0.0000781637080420
C6orf211	-1.776638393	0.00000005244831508	0.0000008741385847
GJA1	-1.777308036	0.00006428971985383	0.0003661111981978
PGLYRP2	-1.784084821	0.00003495200727902	0.0002181773238391
FGD3	-1.787190476	0.00000016092649280	0.0000023188255447
SPINK4	-1.789258929	0.00006043094150558	0.0003481045017602
HSPA12A	-1.793563244	0.00000007071065464	0.0000011295631731
TAC1	-1.795722421	0.00000134764057658	0.0000137748239159
C1orf34	-1.796982143	0.00000041277576663	0.0000051086109731
CLGN	-1.800151786	0.00050603525831466	0.0020910547864242
TCEAL1	-1.80596131	0.00000000981428527	0.0000002152255542
CTNND2	-1.806352679	0.00194950014412690	0.0063625983816152
C1QTNF3	-1.807711735	0.00000234365635701	0.0000220268454606
CST9	-1.808714286	0.00007636087245198	0.0004218832732154
MICALCL	-1.812979167	0.00000031535299366	0.0000041276569851
DCDC2	-1.813055357	0.00115340347151299	0.0041759720185119
LRRC48	-1.820122024	0.00000003599080067	0.0000006449964278
SLC1A1	-1.821888712	0.00099245296498391	0.0036894162267060
ACSM1	-1.825017857	0.00001338157945685	0.0000976757624588
PLAT	-1.828011905	0.00000023191121048	0.0000031339352768
RBM11	-1.842785714	0.00000881108949466	0.0000681972871104
LOC129881	-1.851260417	0.00000001657282016	0.0000003396069704
C4orf31	-1.857825893	0.00000017474970638	0.0000024758217168
OMD	-1.859561905	0.00000032186982165	0.0000041910133027
C21orf81	-1.863379464	0.00017656287226567	0.0008579342675688
ROPN1L	-1.872446429	0.00000162705779038	0.0000160345107704
C5orf30	-1.874544643	0.00000000006217947	0.0000000034355250
CFB	-1.878041135	0.00013174844883490	0.0006728725681047
UGCG	-1.878053571	0.00000000009078001	0.0000000047281257
SPATA4	-1.884924107	0.00001032570712694	0.0000782250539920
SYT13	-1.907482143	0.01941779442246980	0.0438522909269869
LOC728378	-1.928607143	0.00000000029397705	0.0000000131239754
SCCPDH	-1.931080357	0.00000000004718446	0.0000000027755563
CNTD1	-1.934910714	0.00000024983166140	0.0000033310888187
MYB	-1.936428571	0.00000000369492041	0.0000000957233266
SLC16A6	-1.940392857	0.00003122743503382	0.0001981436233111
VAV3	-1.947352679	0.00000003095597514	0.0000005791458606
SERPINA6	-1.948616667	0.00329541811014296	0.0099080520449277
PIP	-1.94925	0.00000170438153922	0.0000166457982360
PARD6B	-1.953792411	0.00000032528539528	0.0000042135413897



ATRNL1	-1.954953571	0.00001262188981315	0.0000926717313741
C19orf21	-1.961553572	0.00000004488123415	0.0000007846369606
CMBL	-1.962020089	0.00000000438326670	0.0000001106885530
KCNC2	-1.964958929	0.00110167516450280	0.0040207122792073
NPNT	-1.968201786	0.00000001929169850	0.0000003921076932
TMEM26	-1.969021239	0.00000118345271167	0.0000123533685978
SLC40A1	-1.970890774	0.00000004906601717	0.0000008344560743
CEACAM5	-1.970981186	0.00088243986686052	0.0033603955325991
FBXO15	-1.978040179	0.00000004402764632	0.0000007724148478
TOX3	-1.980825149	0.00002159851554412	0.0001437983724642
KCNE4	-1.98341369	0.00015678088119928	0.0007784552194602
NTN4	-1.98640625	0.00001595978839354	0.0001135120084889
HS6ST3	-1.990226722	0.00002503396041587	0.0001631940053186
KIAA1257	-1.990919643	0.00001778171835244	0.0001231420938534
IGF1R	-1.991121503	0.00000004701844063	0.0000008106627695
TBX3	-1.99190522	0.00000019556192482	0.0000027161378447
LOC130576	-2.00725	0.00000189361588321	0.0000181034023252
TCN1	-2.016350595	0.00193038905617787	0.0063416197640534
GSTM3	-2.020589286	0.00000168735389419	0.0000165426852372
MUM1L1	-2.025303571	0.00005039146371257	0.0003017452916920
HRASLS3	-2.032601191	0.00000002916963762	0.0000005503705211
ATP1A2	-2.037940476	0.00014021721275579	0.0007117625012984
BAI2	-2.040303571	0.00000000131455596	0.0000000432841121
KITLG	-2.045040546	0.00000000164822181	0.0000000508710434
TMEM46	-2.047054167	0.00006152923448127	0.0003524011138675
C20orf103	-2.049706349	0.00000000032965156	0.0000000140876735
KIAA1324	-2.051075397	0.00000002636612788	0.0000005149634352
MS4A2	-2.05271875	0.00000045615266153	0.0000054958151992
NBEA	-2.052854167	0.0000000016535678	0.0000000077998483
PLCD4	-2.057049107	0.00000003580127053	0.0000006439077434
THBS4	-2.063699405	0.00000001795538890	0.0000003664365082
LOC124220	-2.08258631	0.00000000044988263	0.0000000182879120
CPA6	-2.086138393	0.00110758231016233	0.0040305033120900
GAMT	-2.086633929	0.0000000003037874	0.0000000019473548
ZNF552	-2.091205357	0.00000000000077466	0.0000000000730811
SYT17	-2.093901786	0.00000016282133409	0.0000023326838695
ATP7B	-2.094193452	0.00000000155523413	0.0000000492162701
ACTBL1	-2.104705357	0.00001239840638678	0.0000911647528440
KRT222P	-2.111459821	0.00000065837014133	0.0000075674728888
GRP	-2.115392857	0.00001985238140151	0.0001352342057324
SLC7A8	-2.118244047	0.00000000000000261	0.0000000000004663
PCSK6	-2.119354762	0.00000003104221813	0.0000005791458606
TRH	-2.121525298	0.00013529998707130	0.0006889001378376
MSMB	-2.123252232	0.00172064866563552	0.0058012429724731

HPX	-2.126120536	0.00001702841953097	0.0001184736228650
TMC5	-2.132864583	0.00000050497930446	0.0000060116583864
DIO1	-2.153135417	0.00062884438034708	0.0025251615886306
CLIC6	-2.154694643	0.00001868129747409	0.0001279540922883
GREB1	-2.155801339	0.00000000005441073	0.0000000030915186
ACOX2	-2.158678571	0.00002630757709214	0.0001699455884505
CASC1	-2.158852679	0.00000000006252655	0.0000000034355250
CAPSL	-2.166008929	0.00000080542822319	0.0000089649408396
AREG	-2.1668125	0.00046576460592383	0.0019553509904443
REEP1	-2.180860119	0.00000085698390699	0.0000093761915425
SPDEF	-2.195366071	0.00000000065927423	0.0000000247062612
ZMYND10	-2.197008929	0.00000000000248202	0.0000000002034440
CAPN9	-2.203625	0.00000018812800178	0.0000026274860584
NCAM2	-2.205790179	0.00000192769969128	0.0000183590446789
CCDC74B	-2.206841518	0.00000000235860747	0.0000000651549025
ENPP5	-2.2120625	0.00000040189125786	0.0000049986474858
C9orf116	-2.215142857	0.000000000000000003	0.0000000000000102
CYP4X1	-2.230300595	0.00125540127796031	0.0044771800212565
BCL2	-2.230334821	0.00000000000011674	0.0000000000142364
CAPN13	-2.245546875	0.00000000201171771	0.0000000578079801
SCGB2A2	-2.246396429	0.00012299711960981	0.0006346600599062
SLC7A2	-2.25237213	0.00000008603786929	0.0000013359917592
CBLN2	-2.25625	0.00077742910604034	0.0030226637093326
C20orf114	-2.257087798	0.00000062661674822	0.0000072693358262
PRR15	-2.269848214	0.00000000010044053	0.0000000051245170
FAM81B	-2.28559375	0.00000449434389387	0.0000380876601175
WNK4	-2.289934524	0.00000000095218276	0.0000000321683365
CPB1	-2.325001488	0.00000122765487940	0.0000127880716604
KIF12	-2.3259375	0.00000000396333417	0.0000001016239530
ABAT	-2.330255357	0.00000000004703508	0.0000000027755563
MATN3	-2.331241071	0.00000000152484628	0.0000000488317324
FAM134B	-2.336196429	0.00000000037358352	0.0000000156967864
FLJ45557	-2.344294643	0.00054540465986758	0.0022297819291397
GOLSYN	-2.346566964	0.00000000027489460	0.0000000124952090
INPP4B	-2.346772321	0.000000000000004387	0.0000000000060927
BMPR1B	-2.353208929	0.00018703072301345	0.0008983223967985
ACADSB	-2.365252976	0.00000000013240531	0.0000000063656399
SERPINA11	-2.389311012	0.00000021166350451	0.0000028915779304
SYT1	-2.403964286	0.00007015551933810	0.0003915579396070
C4orf18	-2.405982143	0.00000000000317165	0.0000000002517182
TFF1	-2.415900298	0.00001439589849237	0.0001043181050172
IL6ST	-2.436075	0.00000000000008907	0.0000000000111341
BCAS1	-2.436857143	0.00000000404621443	0.0000001026957976
CACNG1	-2.445794643	0.00000064590184996	0.0000074584509234

KRT37	-2.449089286	0.00000004687400700	0.0000008106627695
ABCC11	-2.452116071	0.00000818497893883	0.0000645503070886
SIDT1	-2.456111607	0.000000000000482009	0.0000000003765699
IL20	-2.461648214	0.00000479345328035	0.0000401461748773
CYP4B1	-2.4866	0.00000497814189748	0.0000412781251864
PDZK1	-2.497959821	0.00006767591072297	0.0003815239874584
CYP4Z1	-2.508495536	0.00029331621217034	0.0013236291162922
FLRT3	-2.515540179	0.00001147317221633	0.0000853658647048
XBP1	-2.520415179	0.00000000000059166	0.0000000000580062
MYRIP	-2.522852273	0.00000000005102112	0.0000000029322482
C1orf168	-2.528505952	0.00000000394333229	0.0000001016239530
CCDC48	-2.545205357	0.00000000072625713	0.0000000263136640
FBP1	-2.562922619	0.00000000000000410	0.0000000000007062
PLA2G10	-2.56490338	0.00000000075745658	0.0000000272466397
TSPAN1	-2.573080357	0.00000000000000003	0.0000000000000102
DYNLRB2	-2.604357143	0.00000000021029140	0.0000000096463944
GATA3	-2.661979911	0.00000000000000000	0.0000000000000000
STC2	-2.663622024	0.00000005077249427	0.0000008490383657
SERPINA3	-2.667076786	0.00000000084104119	0.0000000296141265
CST9L	-2.67065625	0.00002480370338564	0.0001619040690969
LONRF2	-2.6865	0.00000000698588254	0.0000001639878531
PTPRT	-2.693249594	0.00000000053690911	0.0000000211381539
LRRC17	-2.714309524	0.00000000000748790	0.0000000005672651
IGFALS	-2.738410714	0.00000001311491122	0.0000002766858908
CEACAM6	-2.775591071	0.00194257799799910	0.0063607662016997
ANKRD30A	-2.795660714	0.00000808070626116	0.0000640309529410
AR	-2.81716369	0.00000000000004907	0.0000000000062907
RERG	-2.852157143	0.00000000000000119	0.0000000000002202
SLC39A6	-2.853323214	0.00000000072408011	0.0000000263136640
SUSD3	-2.858004464	0.00000000011425363	0.0000000056980109
SERPINA5	-2.861787946	0.00000000213284691	0.0000000605922418
RET	-2.875787946	0.00000000366814979	0.0000000955247342
C10orf82	-2.894446429	0.00001684942462643	0.0001178281442407
GRPR	-2.898571429	0.00000000855069584	0.0000001952213661
RGS22	-2.898714286	0.00000002719420866	0.0000005270195477
NEK10	-2.903084821	0.00000000085608373	0.0000000299329974
FAM77C	-2.917875	0.00002073233695660	0.0001398943114481
NPY1R	-2.994327381	0.00028794917866342	0.0013017593972126
NME5	-3.003770833	0.00000000215363135	0.0000000608370438
MLPH	-3.014727679	0.00000000000000001	0.0000000000000020
PPP1R3C	-3.027848214	0.00000000014416528	0.0000000068650133
OGN	-3.038098214	0.00000000049459344	0.0000000196267237
AGTR1	-3.041958333	0.00000010566425545	0.0000015986013081
C6orf97	-3.103013393	0.00000000000000006	0.0000000000000166

FAM79B	-3.128892857	0.00000011215686593	0.0000016789949989
THSD4	-3.150047619	0.000000000000000000	0.0000000000000000
GP2	-3.190107143	0.00000003374330907	0.0000006180093236
LRG1	-3.195379464	0.00000000175737751	0.0000000531595988
ANKRD43	-3.198223214	0.00000003309384186	0.0000006105874883
ANXA9	-3.200482143	0.000000000000000076	0.0000000000001530
ERBB4	-3.207303373	0.000000000000004379	0.0000000000060927
DACH1	-3.248230867	0.00000000000178430	0.0000000001565175
CLSTN2	-3.285379464	0.00000000000000028	0.000000000000664
PGR	-3.353345833	0.00000000483810399	0.0000001209525999
ABCC8	-3.353924107	0.00000000000606789	0.0000000004667611
TFF3	-3.374297619	0.00000000000004835	0.000000000062907
POTE15	-3.414678571	0.00000000614643313	0.0000001477507963
SLC44A4	-3.437464286	0.00000000000025948	0.000000000276042
KCNJ3	-3.487056548	0.00000366839772567	0.0000325212564332
CA12	-3.726816071	0.00000000000000000	0.000000000000000
DNALI1	-3.824967262	0.00000000000000000	0.000000000000000
TBC1D9	-3.864459416	0.00000000000000000	0.000000000000000
DNAJC12	-4.276122024	0.00000000000004533	0.000000000061255
GFRA1	-4.303307143	0.00000000000003039	0.000000000044696
SCUBE2	-4.319215909	0.00000000000000000	0.000000000000011
AGR2	-4.360877232	0.00000000000000000	0.000000000000004
FSIP1	-4.479303571	0.00000000000000001	0.000000000000037
FOXA1	-4.5084375	0.00000000000000000	0.000000000000012
NAT1	-4.593283929	0.00000000000000000	0.000000000000012
C1orf64	-4.753464286	0.00000000000000032	0.0000000000000724
ESR1	-5.021239583	0.00000000000000000	0.000000000000000
AGR3	-7.547464286	0.00000000000000000	0.000000000000000

## Supplementary Table 2.

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total	Fold Enrichm	Bonferroni	Benjamini	FDR
GOTERM_BP_GO:0009888~		98	18.5255198	3.15E-10	NRTN, PTGS2	484	1779	16787	1.91063556	1.67E-06	1.67E-06	6.04E-07
GOTERM_BP_GO:0007067~		38	7.18336484	3.15E-09	KIFC1, CHMP	484	431	16787	3.05797588	1.67E-05	8.34E-06	6.03E-06
GOTERM_BP_GO:0000280~		45	8.50661626	5.14E-09	KIFC1, CHMP	484	582	16787	2.68174363	2.72E-05	9.08E-06	9.84E-06
GOTERM_BP_GO:0048285~		46	8.69565217	1.19E-08	KIFC1, CHMP	484	620	16787	2.57332045	6.28E-05	1.57E-05	2.27E-05
GOTERM_BP_GO:0044699~		432	81.6635161	1.29E-08	KIFC1, LDHB	484	13389	16787	1.11908567	6.82E-05	1.36E-05	2.46E-05
GOTERM_BP_GO:0000070~		20	3.78071834	2.03E-08	KIF14, CDC6	484	140	16787	4.95484061	1.07E-04	1.79E-05	3.88E-05
GOTERM_BP_GO:0000819~		25	4.72589792	3.26E-08	KIFC1, CHMP	484	224	16787	3.87096923	1.73E-04	2.47E-05	6.25E-05
GOTERM_BP_GO:0008283~		95	17.9584121	7.63E-08	SLURP1, RARI	484	1897	16787	1.73693675	4.05E-04	5.06E-05	1.46E-04
GOTERM_BP_GO:0051310~		12	2.268431	1.08E-07	KIF14, FAM83	484	49	16787	8.49401248	5.74E-04	6.38E-05	2.07E-04
GOTERM_BP_GO:0048856~		215	40.6427221	1.32E-07	PTGS2, S100A	484	5558	16787	1.34167598	7.01E-04	7.01E-05	2.53E-04
GOTERM_BP_GO:0008544~		28	5.29300567	1.75E-07	S100A7, PAX6	484	300	16787	3.23716253	9.26E-04	8.42E-05	3.35E-04
GOTERM_BP_GO:0098813~		27	5.10396975	2.43E-07	KIFC1, CHMP	484	286	16787	3.27435271	0.00128827	1.07E-04	4.66E-04
GOTERM_BP_GO:0007049~		85	16.0680529	3.11E-07	KIFC1, CHMP	484	1681	16787	1.75379546	0.00164529	1.27E-04	5.95E-04
GOTERM_BP_GO:0032502~		218	41.2098299	3.42E-07	PTGS2, S100A	484	5719	16787	1.32209945	0.00181019	1.29E-04	6.54E-04
GOTERM_BP_GO:0000278~		57	10.7750473	4.20E-07	KIFC1, CHMP	484	965	16787	2.04868539	0.00222507	1.48E-04	8.04E-04
GOTERM_BP_GO:0044763~		399	75.4253308	7.49E-07	KIFC1, LDHB	484	12273	16787	1.12758656	0.00396386	2.48E-04	0.00143437
GOTERM_BP_GO:0060429~		60	11.342155	9.98E-07	S100A7, ELF5	484	1067	16787	1.950359	0.0052794	3.11E-04	0.00191168
GOTERM_BP_GO:0022402~		71	13.4215501	1.20E-06	KIFC1, CHMP	484	1359	16787	1.81203516	0.00635459	3.54E-04	0.00230224
GOTERM_BP_GO:0007059~		28	5.29300567	1.37E-06	KIFC1, CHMP	484	333	16787	2.91636264	0.00725214	3.83E-04	0.0026286
GOTERM_BP_GO:0044707~		224	42.3440454	1.51E-06	PTGS2, S100A	484	6021	16787	1.29034879	0.00795499	3.99E-04	0.00288438
GOTERM_BP_GO:0051301~		39	7.37240076	1.58E-06	KIFC1, CHMP	484	573	16787	2.36068322	0.00834425	3.92E-04	0.00302611
GOTERM_BP_GO:1903047~		52	9.82986767	1.90E-06	KIFC1, CHMP	484	887	16787	2.03332805	0.01001119	4.57E-04	0.00363368
GOTERM_BP_GO:0048513~		135	25.5198488	1.96E-06	NRTN, PTGS2	484	3211	16787	1.45821376	0.01036059	4.53E-04	0.00376115
GOTERM_BP_GO:0007062~		16	3.02457467	4.14E-06	KIF18A, NUF2	484	128	16787	4.33548554	0.02170209	9.14E-04	0.00792365
GOTERM_BP_GO:0051303~		12	2.268431	4.67E-06	KIF14, FAM83	484	70	16787	5.94580874	0.02443116	9.89E-04	0.00893244
GOTERM_BP_GO:0051983~		13	2.45746692	4.84E-06	KIF2C, CDC6	484	84	16787	5.367744	0.0253427	9.87E-04	0.00927001
GOTERM_BP_GO:0050000~		12	2.268431	5.38E-06	KIF14, FAM83	484	71	16787	5.86206495	0.02811824	0.00105578	0.01209982
GOTERM_BP_GO:0071621~		14	2.64650284	7.97E-06	CXCL1, S100A	484	103	16787	4.71431437	0.04138324	0.00150829	0.01526236
GOTERM_BP_GO:0007080~		9	1.70132325	8.21E-06	KIF14, KIFC1	484	37	16787	8.4366205	0.04258109	0.00149937	0.01571385
GOTERM_BP_GO:0030855~		37	6.99432892	9.74E-06	XDH, S100A7	484	572	16787	2.24353797	0.05032353	0.00171965	0.01864574
GOTERM_BP_GO:0051783~		17	3.21361059	1.96E-05	CDC6, MKI67	484	163	16787	3.61733763	0.09880932	0.00335045	0.03756621
GOTERM_BP_GO:0044767~		204	38.563327	2.24E-05	PTGS2, S100A	484	5567	16787	1.27097402	0.11217698	0.00371131	0.04296119
GOTERM_BP_GO:0097530~		14	2.64650284	2.66E-05	CXCL1, S100A	484	115	16787	4.22238591	0.13155748	0.00426524	0.05092835
GOTERM_BP_GO:0007275~		185	34.9716446	2.82E-05	SLC22A16, NF	484	4964	16787	1.29261051	0.13875975	0.00438394	0.05393438
GOTERM_BP_GO:0030593~		12	2.268431	3.12E-05	CXCL1, CCL1	484	85	16787	4.89654837	0.1525074	0.00471665	0.05974245
GOTERM_BP_GO:0032501~		248	46.8809074	4.01E-05	KIFC1, PTGS2	484	7092	16787	1.21286003	0.19144861	0.0058857	0.0767185
GOTERM_BP_GO:0007088~		15	2.83553875	4.84E-05	CDC6, MKI67	484	139	16787	3.74286521	0.2264059	0.00691404	0.09266661
GOTERM_BP_GO:0008284~		47	8.88468809	5.55E-05	KRT6A, GCNT	484	873	16787	1.86728816	0.25475899	0.00770823	0.10613834
GOTERM_BP_GO:0048731~		165	31.1909263	5.87E-05	NRTN, S100A	484	4377	16787	1.30748022	0.26744326	0.0079481	0.11233135
GOTERM_BP_GO:0042127~		73	13.7996219	6.24E-05	SLURP1, RARI	484	1585	16787	1.59742811	0.28181641	0.0082416	0.11947941
GOTERM_BP_GO:1902066~		12	2.268431	1.07E-04	CXCL1, CCL1	484	97	16787	4.29078981	0.43228513	0.0137133	0.20425
GOTERM_BP_GO:0048732~		29	5.48204159	1.18E-04	XDH, ASS1, LI	484	451	16787	2.23022759	0.46619061	0.0148345	0.22644178
GOTERM_BP_GO:0030154~		142	26.8431002	1.28E-04	SLC22A16, NF	484	3707	16787	1.32859767	0.49166277	0.01561197	0.24405812
GOTERM_BP_GO:0030595~		17	3.21361059	1.60E-04	CXCL1, S100A	484	194	16787	3.03930945	0.57104043	0.01905236	0.3052063
GOTERM_BP_GO:0043588~		19	3.59168242	1.81E-04	EGFR, WNT1C	484	237	16787	2.78056456	0.61717873	0.02111146	0.34616909
GOTERM_BP_GO:0097529~		15	2.83553875	2.20E-04	CXCL1, S100A	484	160	16787	3.25161415	0.6883418	0.02502605	0.42015861
GOTERM_BP_GO:0010564~		34	6.42722117	2.35E-04	CHMP4C, FO	484	592	16787	1.99197984	0.7121192	0.02614592	0.44869501
GOTERM_BP_GO:0031349~		26	4.91493384	3.13E-04	S100A8, PTGS	484	407	16787	2.21567811	0.81031746	0.03404053	0.59857505
GOTERM_BP_GO:0030071~		8	1.51228733	3.63E-04	CDC6, BUB1	484	47	16787	5.90363988	0.85392022	0.03849661	0.69229665
GOTERM_BP_GO:0060326~		19	3.59168242	3.81E-04	CXCL1, S100A	484	252	16787	2.61505477	0.86763363	0.03963627	0.7274662
GOTERM_BP_GO:1902099~		8	1.51228733	4.14E-04	CDC6, BUB1	484	48	16787	5.78064738	0.8888698	0.04216473	0.79032163
GOTERM_BP_GO:0010965~		8	1.51228733	4.72E-04	CDC6, BUB1	484	49	16787	5.66267499	0.91797221	0.04695231	0.89905592
GOTERM_BP_GO:0042633~		11	2.07939509	4.75E-04	EGFR, WNT1C	484	97	16787	3.93322399	0.91955267	0.04643725	0.90601877
GOTERM_BP_GO:0042303~		11	2.07939509	4.75E-04	EGFR, WNT1C	484	97	16787	3.93322399	0.91955267	0.04643725	0.90601877
GOTERM_BP_GO:0051726~		48	9.07372401	4.97E-04	PTGS2, CHMP	484	988	16787	1.68504701	0.92821716	0.04760919	0.94679292
GOTERM_BP_GO:0044784~		8	1.51228733	5.35E-04	CDC6, BUB1	484	50	16787	5.54942149	0.9413924	0.05027217	1.01930699
GOTERM_BP_GO:0051306~		8	1.51228733	6.05E-04	CDC6, BUB1	484	51	16787	5.4406093	0.95956618	0.05567727	1.15190901
GOTERM_BP_GO:0009605~		91	17.2022684	6.37E-04	PTGS2, S100A	484	2248	16787	1.40401845	0.96590734	0.05752421	1.21278679
GOTERM_BP_GO:0030216~		12	2.268431	6.43E-04	KRT17, S100A	484	119	16787	3.49753455	0.96696208	0.05709978	1.22399802
GOTERM_BP_GO:0033045~		9	1.70132325	6.52E-04	CDC6, BUB1	484	67	16787	4.65902923	0.96852029	0.05693225	1.24123106
GOTERM_BP_GO:0048869~		148	27.973157	7.35E-04	SLC22A16, NF	484	4044	16787	1.26934097	0.97967518	0.0628687	1.39714904
GOTERM_BP_GO:0050729~		12	2.268431	7.40E-04	EGFR, PLA2G	484	121	16787	3.43972406	0.98022814	0.06229474	1.4069709
GOTERM_BP_GO:1902067~		14	2.64650284	7.86E-04	EGFR, S100A	484	161	16787	3.01598994	0.9845331	0.06503183	1.49436705
GOTERM_BP_GO:0009617~		32	6.04914934	7.90E-04	CXCL1, S100A	484	583	16787	1.90374665	0.98489231	0.0643824	1.50272618
GOTERM_BP_GO:0042742~		19	3.59168242	8.64E-04	COCH, KLK7	484	270	16787	2.44017778	0.98975675	0.06907843	1.640857
GOTERM_BP_GO:0035295~		32	6.04914934	9.30E-04	ASS1, LMO4	484	589	16787	1.88435365	0.99281276	0.07311889	1.766636
GOTERM_BP_GO:0032103~		19	3.59168242	9.35E-04	EGFR, CXCL1	484	272	16787	2.42277133	0.99297866	0.07238022	1.77492053
GOTERM_BP_GO:0002376~		100	18.9035917	0.00100118	LMO1, S100A	484	2557	16787	1.3564288	0.99506266	0.07620732	1.8997543
GOTERM_BP_GO:0044770~		30	5.6710775	0.00105986	FOXMI, TTK	484	542	16787	1.91977219	0.99638398	0.07935619	2.01003528
GOTERM_BP_GO:0033047~		8	1.51228733	0.00107108	CDC6, BUB1	484	56	16787	4.95484061	0.99659296	0.07904725	2.03110064
GOTERM_BP_GO:0048247~		8	1.51228733	0.00107108	CCL13, CCL20	484	56	16787	4.95484061	0.99659296	0.07904725	2.03110064
GOTERM_BP_GO:0006955~		66	12.4763705	0.00108028	AQP9, S100A	484	1541	16787	1.48548758	0.99675535	0.07860627	2.04837794
GOTERM_BP_GO:0007586~		14	2.64650284	0.001103	CKBR, OPRK	484	167	16787	2.90763102	0.99712399	0.07910881	2.09103204
GOTERM_BP_GO:0006952~		69	13.043783	0.00114953	PTGS2, S100A	484	1631	16787	1.46731331	0.99775339	0.08121128	2.17832543
GOTERM_BP_GO:0048518~		185	34.9716446	0.00135204	LMO1, S100A	484	5313	16787	1.2077016	0.99923326	0.09359147	2.55737418
GOTERM_BP_GO:0009607~		47	8.88468809	0.00148891	CXCL1, KRT6/	484	1014	16787	1.60763566	0.99962929	0.10125695	2.81278853
GOTERM_BP_GO:0002548~		8										



GOTERM_BP_GO:0002237~	21	3.96975425	0.00291231	CXCL1, PELI1,	484	350	16787	2.08103306	0.99999981	0.16813938	5.43156674
GOTERM_BP_GO:0031424~	7	1.32325142	0.00299006	KRT17, SPRR2	484	50	16787	4.8557438	0.99999987	0.17038126	5.57267689
GOTERM_BP_GO:0051674~	57	10.7750473	0.00304099	SLC22A16, NF	484	1341	16787	1.47425906	0.99999999	0.17119169	5.66499455
GOTERM_BP_GO:0048870~	57	10.7750473	0.00304099	SLC22A16, NF	484	1341	16787	1.47425906	0.99999999	0.17119169	5.66499455
GOTERM_BP_GO:0010001~	14	2.64650284	0.00316099	EGFR, SOX10,	484	188	16787	2.58284245	0.99999995	0.1754716	5.88216922
GOTERM_BP_GO:0050673~	21	3.96975425	0.00317924	EGFR, XDH, K	484	353	16787	2.06334722	0.99999995	0.17457278	5.9151571
GOTERM_BP_GO:0008585~	10	1.89035917	0.00349654	CCNE1, PLA2G	484	106	16787	3.27206456	0.99999999	0.18833261	6.48696529
GOTERM_BP_GO:0032101~	39	7.37240076	0.00352248	CXCL1, IL1R2,	484	834	16787	1.62190826	0.99999999	0.18769526	6.53356611
GOTERM_BP_GO:0045087~	39	7.37240076	0.00391313	S100A8, ASS1,	484	840	16787	1.6103232	1	0.20422675	7.23269443
GOTERM_BP_GO:0032496~	20	3.78071834	0.00405392	CXCL1, PELI1,	484	336	16787	2.06451692	1	0.20872066	7.48344403
GOTERM_BP_GO:0051304~	8	1.51228733	0.00459356	CDC6, BUB1,	484	72	16787	3.85376492	1	0.23086257	8.43860234
GOTERM_BP_GO:0046545~	10	1.89035917	0.00474683	CCNE1, PLA2G	484	111	16787	3.12467426	1	0.23538187	8.70817844
GOTERM_BP_GO:0048583~	133	25.1417769	0.00482406	S100A8, PTGS	484	3746	16787	1.23143529	1	0.23653271	8.84373993
GOTERM_BP_GO:0031577~	6	1.1342155	0.00496231	BUB1, CENPF,	484	39	16787	5.3359822	1	0.2402351	9.08590091
GOTERM_BP_GO:2000379~	9	1.70132325	0.0049947	XDH, EGFR, A	484	92	16787	3.39298868	1	0.23943453	9.14255063
GOTERM_BP_GO:0050727~	19	3.59168242	0.00507738	EGFR, IL1R2, I	484	318	16787	2.07230755	1	0.24072904	9.28702112
GOTERM_BP_GO:0051784~	7	1.32325142	0.00528845	BUB1, CENPF,	484	56	16787	4.33548554	1	0.24721647	9.65480511
GOTERM_BP_GO:0051653~	6	1.1342155	0.00553982	CENPA, SPAG	484	40	16787	5.20258264	1	0.2551243	10.0909682
GOTERM_BP_GO:0032355~	12	2.268431	0.00606078	EGFR, CCNE1,	484	158	16787	2.63421906	1	0.27321832	10.9885686
GOTERM_BP_GO:0007094~	5	0.94517958	0.00612136	BUB1, CENPF,	484	26	16787	6.66997775	1	0.27324715	11.02923973
GOTERM_BP_GO:0001894~	14	2.64650284	0.00627164	PROM1, EGFF	484	204	16787	2.38026657	1	0.27664393	11.3494444
GOTERM_BP_GO:0000226~	23	4.34782609	0.00648106	KIF14, KIFC1,	484	429	16787	1.85950895	1	0.28214288	11.7064963
GOTERM_BP_GO:0048729~	30	5.6710775	0.00701951	KRT6A, LMO4	484	619	16787	1.6809637	1	0.29931824	12.6182666
GOTERM_BP_GO:0051294~	5	0.94517958	0.00702541	CENPA, SPAG	484	27	16787	6.42294154	1	0.29717206	12.6282129
GOTERM_BP_GO:0071173~	5	0.94517958	0.00702541	BUB1, CENPF,	484	27	16787	6.42294154	1	0.29717206	12.6282129
GOTERM_BP_GO:2000377~	12	2.268431	0.00727449	XDH, EGFR, A	484	162	16787	2.56917661	1	0.30356336	13.0469144
GOTERM_BP_GO:0050678~	18	3.4026465	0.0073215	XDH, EGFR, F	484	305	16787	2.04691776	1	0.30284923	13.1257286
GOTERM_BP_GO:0007346~	25	4.72589792	0.00756717	KIF14, EGFR, C	484	487	16787	1.78048687	1	0.30809893	13.5364923
GOTERM_BP_GO:1901987~	19	3.59168242	0.00758936	KIF14, EGFR, C	484	331	16787	1.99091783	1	0.30733053	13.5734993
GOTERM_BP_GO:0015801~	3	0.56710775	0.00779836	SLC16A10, AC	484	5	16787	20.8103306	1	0.31199173	13.9213448
GOTERM_BP_GO:0048608~	23	4.34782609	0.00801004	MDFI, EGFR, F	484	437	16787	1.82546759	1	0.31662822	14.272309
GOTERM_BP_GO:0003006~	31	5.86011342	0.00806514	HSD17B2, PTC	484	653	16787	1.646555	1	0.31610682	14.3634491
GOTERM_BP_GO:0072676~	8	1.51228733	0.00814926	CCL13, CCL20	484	80	16787	3.46838843	1	0.31652464	14.5023929
GOTERM_BP_GO:0045839~	6	1.1342155	0.00832647	BUB1, CENPF,	484	44	16787	4.72962059	1	0.31988515	14.7944216
GOTERM_BP_GO:0021782~	8	1.51228733	0.00870562	EGFR, S100A	484	81	16787	3.42556882	1	0.32944449	15.4160407
GOTERM_BP_GO:0022610~	67	12.6654064	0.00878754	MPZL2, SLUR1	484	1715	16787	1.35499723	1	0.32966538	15.5497922
GOTERM_BP_GO:0098542~	29	5.48204159	0.00891523	KRT6A, S100A	484	602	16787	1.67081835	1	0.33127168	15.7578669
GOTERM_BP_GO:0050896~	271	51.2287335	0.00898435	AQP9, PTGS2,	484	8477	16787	1.10880413	1	0.33108827	15.8702825
GOTERM_BP_GO:0061458~	23	4.34782609	0.00904293	MDFI, EGFR, F	484	442	16787	1.80481751	1	0.33059395	15.9654673
GOTERM_BP_GO:0007417~	41	7.75047259	0.00912601	S100A8, PTC	484	942	16787	1.50959581	1	0.33083248	16.1002583
GOTERM_BP_GO:0045429~	6	1.1342155	0.00915113	EGFR, ASS1, F	484	45	16787	4.62451791	1	0.32936496	16.1409884
GOTERM_BP_GO:1904407~	6	1.1342155	0.00915113	EGFR, ASS1, F	484	45	16787	4.62451791	1	0.32936496	16.1409884
GOTERM_BP_GO:0045104~	6	1.1342155	0.00915113	KRT6C, KRT6	484	45	16787	4.62451791	1	0.32936496	16.1409884
GOTERM_BP_GO:0016055~	24	4.536862	0.00915201	MDFI, FZD9, \	484	469	16787	1.77486828	1	0.32720875	16.1424112
GOTERM_BP_GO:0070098~	8	1.51228733	0.00928936	CXCL1, CCL1	484	82	16787	3.38379359	1	0.32904388	16.3647134
GOTERM_BP_GO:00198738~	24	4.536862	0.00937655	MDFI, FZD9, \	484	470	16787	1.77109196	1	0.32940651	16.5055386
GOTERM_BP_GO:0007010~	48	9.07372401	0.00987041	KRT6C, CXCL	484	1153	16787	1.44390845	1	0.3412452	17.2989739
GOTERM_BP_GO:0007096~	4	0.75614367	0.0100263	NPM2, ANLN,	484	16	16787	8.67097107	1	0.3434068	17.5479363
GOTERM_BP_GO:0045103~	6	1.1342155	0.01003041	KRT6C, KRT6	484	46	16787	4.52398491	1	0.34135874	17.5545025
GOTERM_BP_GO:0046660~	10	1.89035917	0.01012682	CCNE1, PLA2G	484	125	16787	2.77471074	1	0.3418629	17.7081048
GOTERM_BP_GO:0030111~	18	3.4026465	0.01021365	MDFI, FZD9, \	484	316	16787	1.9756643	1	0.34209953	17.8462119
GOTERM_BP_GO:0048708~	7	1.32325142	0.01084631	EGFR, S100A	484	65	16787	3.73518754	1	0.35685428	18.845908
GOTERM_BP_GO:0045165~	15	2.83553875	0.01129051	WNT10A, ELF	484	244	16787	2.132206	1	0.36623796	19.5408971
GOTERM_BP_GO:1902589~	67	12.6654064	0.01136121	KIFC1, CHMP	484	1737	16787	1.33783549	1	0.36587121	19.6509901
GOTERM_BP_GO:0006935~	27	5.10396975	0.01160014	CXCL1, S100A	484	560	16787	1.67225871	1	0.36976816	20.0220021
GOTERM_BP_GO:0016477~	49	9.26275992	0.0116104	NRTN, SLURP	484	1193	16787	1.42456859	1	0.36786704	20.0378999
GOTERM_BP_GO:0006749~	7	1.32325142	0.01164966	GSTA2, GSTA	484	66	16787	3.67859379	1	0.36761307	20.0986975
GOTERM_BP_GO:0007155~	66	12.4763705	0.0117406	MPZL2, SLUR1	484	1709	16787	1.33945955	1	0.36685636	20.239344
GOTERM_BP_GO:0042330~	27	5.10396975	0.0119053	CXCL1, S100A	484	561	16787	1.66927785	1	0.36881072	20.493488
GOTERM_BP_GO:0048871~	18	3.4026465	0.0125838	EGFR, GCNT2	484	323	16787	1.93284804	1	0.38309516	21.5323906
GOTERM_BP_GO:0007165~	191	36.1058601	0.01274814	NRTN, CXRF	484	5781	16787	1.1459301	1	0.38485294	21.7820848
GOTERM_BP_GO:0042063~	15	2.83553875	0.01287988	EGFR, SOX10	484	248	16787	2.09781558	1	0.38581925	21.9817026
GOTERM_BP_GO:1901700~	61	11.5311909	0.01342639	AQP9, PTGS2,	484	1567	16787	1.35017035	1	0.39631995	22.8046526
GOTERM_BP_GO:0007126~	12	2.268431	0.01358576	MKI67, NPM2	484	177	16787	2.35144978	1	0.39780339	23.0430784
GOTERM_BP_GO:0030307~	11	2.07939509	0.01371678	EGFR, RASAL	484	154	16787	2.47742031	1	0.39862715	23.2385709
GOTERM_BP_GO:0050900~	20	3.78071834	0.01377004	CXCL1, S100A	484	379	16787	1.83028413	1	0.39770465	23.3178937
GOTERM_BP_GO:0009913~	12	2.268431	0.01411977	KRT17, S100A	484	178	16787	2.3823939	1	0.40334426	23.8369134
GOTERM_BP_GO:0045841~	5	0.94517958	0.01431125	BUB1, CENPF,	484	33	16787	5.25513398	1	0.40542468	24.1196651
GOTERM_BP_GO:0071174~	5	0.94517958	0.01431125	BUB1, CENPF,	484	33	16787	5.25513398	1	0.40542468	24.1196651
GOTERM_BP_GO:2000816~	5	0.94517958	0.01431125	BUB1, CENPF,	484	33	16787	5.25513398	1	0.40542468	24.1196651
GOTERM_BP_GO:0007154~	205	38.7523629	0.01491851	PTGS2, S100A	484	6277	16787	1.13273798	1	0.41636075	25.0098104
GOTERM_BP_GO:0002009~	45	4.72589792	0.01503788	EGFR, WNT1C	484	517	16787	1.67717042	1	0.41676815	25.1836183
GOTERM_BP_GO:0033993~	20	7.56143667	0.01536288	CXCL1, S100A	484	946	16787	1.46654902	1	0.42145624	25.6549091
GOTERM_BP_GO:0000075~	14	2.64650284	0.01537881	CDC6, SOX11	484	229	16787	2.12041214	1	0.41968554	25.6779408
GOTERM_BP_GO:0080134~	55	10.3969754	0.01566223	PTGS2, S100A	484	1396	16787	1.36648541	1	0.42342318	26.0865026
GOTERM_BP_GO:0007144~	3	0.56710775	0.01576196	AURKA, TRIP1	484	7	16787	14.8645218	1	0.42337258	26.229768
GOTERM_BP_GO:0032808~	3	0.56710775	0.01576196	SOX10, PAX6,	484	7	16787	14.8645218	1	0.42337258	26.229768
GOTERM_BP_GO:0000281~	5	0.94517958	0.0158598	CENPA, ANLN	484	34	16787	5.10057122	1	0.42328466	26.370059
GOTERM_BP_GO:1902100~	5	0.94517958	0.0158598	BUB1, CENPF,	484	34	16787	5.10057122	1	0.42328466	26.370059
GOTERM_BP_GO:0022008~	58	10.9640832	0.01587127	NRTN, S100A	484	1489	16787	1.35101766	1	0.42146383	26.3864918
GOTERM_BP_GO:0022600~	8	1.51228733	0.01589749	KCNN4, CCKE	484	91	16787	3.04913269	1	0.41995617	26.4240336
GOTERM_BP_GO:0048878~	44	8.31758034	0.01621839	CCK, S100A8,	484	1070	16787	1.42625319	1	0.42431608	26.882082
GOTERM_BP_GO:0023052~											

GOTERM_BP_GO:0051293~	5	0.94517958	0.01750964	CENPA, SPAG	484	35	16787	4.95484061	1	0.43905862	28.6979988
GOTERM_BP_GO:1901990~	17	3.21361059	0.01752528	KIF14, EGFR, C	484	309	16787	1.90817486	1	0.4373569	28.7197285
GOTERM_BP_GO:0042493~	23	4.34782609	0.0177094	EGFR, DDC, P	484	471	16787	1.69369286	1	0.43879114	28.9750751
GOTERM_BP_GO:1902476~	8	1.51228733	0.0177285	GABRE, CLIC3	484	93	16787	2.98355994	1	0.43717468	29.001514
GOTERM_BP_GO:007405~	6	1.1342155	0.01784516	FZD9, SOX10,	484	53	16787	3.92647747	1	0.43736103	29.1628059
GOTERM_BP_GO:1903428~	6	1.1342155	0.01784516	EGFR, ASS1, F	484	53	16787	3.92647747	1	0.43736103	29.1628059
GOTERM_BP_GO:0044700~	202	38.1852552	0.01821592	PTGS2, S100A	484	6204	16787	1.12929475	1	0.44214736	29.6730875
GOTERM_BP_GO:1903046~	12	2.268431	0.01831287	MKI67, NPM2	484	185	16787	2.24976547	1	0.44194786	29.8059452
GOTERM_BP_GO:0045321~	33	6.23818526	0.0185561	LMO1, CXADI	484	754	16787	1.51799494	1	0.4443549	30.1382173
GOTERM_BP_GO:0022612~	9	1.70132325	0.0188757	EGFR, MKI67,	484	116	16787	2.69099102	1	0.44806599	30.5725518
GOTERM_BP_GO:0071453~	11	2.07939509	0.01891474	PDK1, GNGT1	484	162	16787	2.35507856	1	0.44682725	30.6254297
GOTERM_BP_GO:0061008~	11	2.07939509	0.01891474	EGFR, CCNE1	484	162	16787	2.35507856	1	0.44682725	30.6254297
GOTERM_BP_GO:0031325~	101	19.0926276	0.0190647	LMO1, S100A	484	2861	16787	1.22442234	1	0.44752915	30.8281915
GOTERM_BP_GO:0045786~	23	4.34782609	0.01917041	FZD9, EGFR, F	484	475	16787	1.67943019	1	0.44745915	30.9707958
GOTERM_BP_GO:0032459~	5	0.94517958	0.01926256	CCK, BCL11A,	484	36	16787	4.81720615	1	0.44715707	31.0948657
GOTERM_BP_GO:0042592~	63	11.9092628	0.01980373	LMO1, AQP9,	484	1663	16787	1.3139415	1	0.45448075	31.8192773
GOTERM_BP_GO:0051716~	226	42.7221172	0.01994966	PTGS2, S100A	484	7037	16787	1.11390619	1	0.45504893	32.0133383
GOTERM_BP_GO:0009887~	41	7.75047259	0.02012459	AMTN, ONEC	484	994	16787	1.43062299	1	0.45609274	32.2453617
GOTERM_BP_GO:0007267~	59	11.1531191	0.02021552	PTGS2, FAM3	484	1540	16787	1.32879816	1	0.45735332	32.3656556
GOTERM_BP_GO:0006575~	11	2.07939509	0.02041399	GSTA2, PLA2	484	164	16787	2.32635809	1	0.45714971	32.627506
GOTERM_BP_GO:0009653~	94	17.7693762	0.02041819	MPZL2, PTGS	484	2643	16787	1.23355472	1	0.45537292	32.6330361
GOTERM_BP_GO:0033044~	16	3.02457467	0.02053803	CDC6, MKI67,	484	289	16787	1.92021505	1	0.45549634	32.7906704
GOTERM_BP_GO:0061303~	3	0.56710775	0.02061929	SOX11, PAX6,	484	8	16787	13.0064566	1	0.4549935	32.8973566
GOTERM_BP_GO:0051315~	3	0.56710775	0.02061929	KIF2C, CENPE	484	8	16787	13.0064566	1	0.4549935	32.8973566
GOTERM_BP_GO:0044848~	3	0.56710775	0.02061929	SFRP1, GAL, C	484	8	16787	13.0064566	1	0.4549935	32.8973566
GOTERM_BP_GO:0010948~	14	2.64650284	0.02063241	FZD9, CHMP4	484	238	16787	2.04022849	1	0.45339514	32.9145731
GOTERM_BP_GO:0033046~	5	0.94517958	0.02112015	BUB1, CENPF,	484	37	16787	4.68701139	1	0.45941339	33.5514225
GOTERM_BP_GO:0055082~	32	6.04914934	0.02132066	S100A8, AQP1	484	733	16787	1.51416685	1	0.46078804	33.8115601
GOTERM_BP_GO:0000132~	4	0.75614367	0.02141746	CENPA, PAX6	484	21	16787	6.60645415	1	0.46051776	33.9368017
GOTERM_BP_GO:1901623~	4	0.75614367	0.02141746	S100A7, CXCL	484	21	16787	6.60645415	1	0.46051776	33.9368017
GOTERM_BP_GO:0002052~	4	0.75614367	0.02141746	SOX10, VEGF,	484	21	16787	6.60645415	1	0.46051776	33.9368017
GOTERM_BP_GO:0009950~	4	0.75614367	0.02141746	MDL1, RGS20,	484	21	16787	6.60645415	1	0.46051776	33.9368017
GOTERM_BP_GO:0007292~	9	1.70132325	0.02165151	PLA2G4A, PTC	484	119	16787	2.62315091	1	0.46232921	34.238699
GOTERM_BP_GO:0046649~	29	5.48204159	0.02204542	LMO1, CXADI	484	649	16787	1.54981918	1	0.46670651	34.7438412
GOTERM_BP_GO:0090183~	6	1.1342155	0.02216002	PROM1, VEGF	484	56	16787	3.71613046	1	0.4666857	34.8901016
GOTERM_BP_GO:0048522~	159	30.0567108	0.02296862	LMO1, S100A	484	4789	16787	1.15154262	1	0.47712923	35.9133603
GOTERM_BP_GO:0051985~	5	0.94517958	0.02308384	BUB1, CENPF,	484	38	16787	4.56366899	1	0.47706592	36.0579199
GOTERM_BP_GO:0046717~	5	0.94517958	0.02308384	SLC22A16, AC	484	38	16787	4.56366899	1	0.47706592	36.0579199
GOTERM_BP_GO:0071456~	10	1.89035917	0.02350252	PDK1, GNGT1	484	144	16787	2.40860308	1	0.48147176	36.5806182
GOTERM_BP_GO:0045428~	6	1.1342155	0.02373593	EGFR, ASS1, F	484	57	16787	3.65093519	1	0.48310995	36.8702547
GOTERM_BP_GO:0071347~	8	1.51228733	0.02410345	IL1R2, CCL13,	484	99	16787	2.80273813	1	0.48665842	37.3237658
GOTERM_BP_GO:0052548~	19	3.59168242	0.02414577	XDH, CCK, S1	484	376	16787	1.75264309	1	0.48550703	37.37579
GOTERM_BP_GO:1901687~	4	0.75614367	0.02428138	GSTA2, GSTA,	484	22	16787	6.30616078	1	0.48569672	37.5422193
GOTERM_BP_GO:0032461~	4	0.75614367	0.02428138	CCK, HRK, MF	484	22	16787	6.30616078	1	0.48569672	37.5422193
GOTERM_BP_GO:1901685~	4	0.75614367	0.02428138	GSTA2, GSTA,	484	22	16787	6.30616078	1	0.48569672	37.5422193
GOTERM_BP_GO:0022404~	7	1.32325142	0.02476511	EGFR, WNT1C	484	78	16787	3.11265628	1	0.49079923	38.1324635
GOTERM_BP_GO:0022405~	7	1.32325142	0.02476511	EGFR, WNT1C	484	78	16787	3.11265628	1	0.49079923	38.1324635
GOTERM_BP_GO:0001942~	7	1.32325142	0.02476511	EGFR, WNT1C	484	78	16787	3.11265628	1	0.49079923	38.1324635
GOTERM_BP_GO:0002684~	39	7.37240076	0.02549976	CXCL1, S100A	484	950	16787	1.42386472	1	0.49926776	39.0187912
GOTERM_BP_GO:0009966~	97	18.3364839	0.02571369	PTGS2, S100A	484	2765	16787	1.21675833	1	0.50045491	39.2746128
GOTERM_BP_GO:0090244~	3	0.56710775	0.02601138	RGS20, DKK1,	484	9	16787	11.5612948	1	0.50276302	39.6289169
GOTERM_BP_GO:0051240~	56	10.5860113	0.02614504	PTGS2, S100A	484	1471	16787	1.3203926	1	0.50283458	39.7873499
GOTERM_BP_GO:0014033~	7	1.32325142	0.02617433	WNT10A, SO-	484	79	16787	3.07325557	1	0.50150541	39.8220259
GOTERM_BP_GO:0007399~	80	15.1228733	0.02637832	NRTN, S100A	484	2224	16787	1.24762174	1	0.50252242	40.0629414
GOTERM_BP_GO:0006821~	8	1.51228733	0.02653856	GABRE, CLIC3	484	101	16787	2.74723836	1	0.50294773	40.2515466
GOTERM_BP_GO:0098656~	12	2.268431	0.02667882	GABRE, SLC4A	484	196	16787	2.12350312	1	0.50310509	40.4161689
GOTERM_BP_GO:0001558~	20	3.78071834	0.02697166	KIF14, EGFR, :	484	408	16787	1.70019041	1	0.50526184	40.7585019
GOTERM_BP_GO:0007052~	5	0.94517958	0.02733433	GPSM2, TTK,	484	40	16787	4.33548554	1	0.50829447	41.1798658
GOTERM_BP_GO:2000648~	5	0.94517958	0.02733433	SOX10, SOX1	484	40	16787	4.33548554	1	0.50829447	41.1798658
GOTERM_BP_GO:2000401~	5	0.94517958	0.02733433	CCL20, S100A	484	40	16787	4.33548554	1	0.50829447	41.1798658
GOTERM_BP_GO:0098773~	7	1.32325142	0.02763583	EGFR, WNT1C	484	80	16787	3.04839888	1	0.51049714	41.5280069
GOTERM_BP_GO:0001822~	15	2.83553875	0.02769565	COL4A4, ODC	484	274	16787	1.89875279	1	0.50958721	41.596854
GOTERM_BP_GO:0002688~	8	1.51228733	0.0278168	CXCL1, S100A	484	102	16787	2.72030465	1	0.50946611	41.7360343
GOTERM_BP_GO:0045944~	42	7.93950851	0.02817241	LMO1, ELF5, I	484	1048	16787	1.390003	1	0.51231149	42.1427683
GOTERM_BP_GO:0044702~	49	9.26275992	0.02820089	KIF14, CCL2,	484	1262	16787	1.34668014	1	0.51101535	42.1752277
GOTERM_BP_GO:0001655~	17	3.21361059	0.02821738	COL4A4, ODC	484	328	16787	1.79764034	1	0.50957736	42.1940111
GOTERM_BP_GO:0098609~	46	8.69565217	0.02912253	ME1, MPZL2,	484	1172	16787	1.36131286	1	0.51917219	43.2163239
GOTERM_BP_GO:0002526~	10	1.89035917	0.0295733	PLA2G4A, EP-	484	150	16787	2.31225895	1	0.52302562	43.7190234
GOTERM_BP_GO:0031099~	12	2.268431	0.030289	FZD9, KLF6, E	484	200	16787	2.08103306	1	0.52997766	44.5085206
GOTERM_BP_GO:0072089~	8	1.51228733	0.03049719	FZD9, SOX10,	484	104	16787	2.6679911	1	0.53080755	44.7362066
GOTERM_BP_GO:0006493~	8	1.51228733	0.03049719	GALNT3, B3G	484	104	16787	2.6679911	1	0.53080755	44.7362066
GOTERM_BP_GO:0098602~	33	6.23818526	0.030614	LMO1, GCNT2,	484	786	16787	1.45619362	1	0.53055372	44.8635618
GOTERM_BP_GO:0030182~	49	9.26275992	0.03093564	NRTN, LMO4,	484	1270	16787	1.33819711	1	0.53269935	45.2127995
GOTERM_BP_GO:0051179~	190	35.9168242	0.03108866	SLC22A16, KIF	484	5878	16787	1.12111909	1	0.53286185	45.3782195
GOTERM_BP_GO:0070555~	9	1.70132325	0.03168886	IL1R2, CD38, :	484	128	16787	2.43871061	1	0.53816714	46.0224837
GOTERM_BP_GO:0055123~	10	1.89035917	0.03182022	KLF5, EGFR, S	484	152	16787	2.28183449	1	0.53805641	46.1625268
GOTERM_BP_GO:0048671~	3	0.56710775	0.03190358	RGMA, BCL11	484	10	16787	10.4051653	1	0.53740176	46.2512141
GOTERM_BP_GO:0070169~	5	0.94517958	0.03202192	FZD9, PLA2G	484	42	16787	4.12903384	1	0.53714823	46.3768844
GOTERM_BP_GO:0007091~	5	0.94517958	0.03202192	BUB1, CENPF,	484	42	16787	4.12903384	1	0.53714823	46.3768844
GOTERM_BP_GO:0061640~	5	0.94517958	0.03202192	CENPA, ANLN	484	42	16787	4.12903384	1	0.53714823	46.3768844
GOTERM_BP_GO:1905114~	24	4.536862	0.03236507	MDL1, FZD9, \	484	529	16787	1.57355997	1	0.53942501	46.7397033
GOTERM_BP_GO:0002228~	6	1.1342155	0.03269052	ULBP2, GZMB	484	62	16787	3.35650493	1	0.54147528	47.0816679
GOTERM_BP_GO:0016337~	31	5.86011342	0.03296844	LMO1, GCNT2,	484	732	16787				

GOTERM_BP_GO:0051276~	46	8.69565217	0.0343985	KIFC1, CHMP	484	1185	16787	1.34637863	1	0.54910922	48.842449
GOTERM_BP_GO:0050853~	6	1.1342155	0.03470189	CD38, CD19, I	484	63	16787	3.30322708	1	0.55078171	49.149348
GOTERM_BP_GO:0048762~	11	2.07939509	0.03566739	FAM83D, WN	484	180	16787	2.11957071	1	0.55931232	50.1144595
GOTERM_BP_GO:0010646~	105	19.8487713	0.03612103	S100A8, PTGS	484	3069	16787	1.18664316	1	0.56242962	50.561896
GOTERM_BP_GO:0070372~	14	2.64650284	0.03631632	EGFR, GCNT2	484	258	16787	1.88207124	1	0.56288684	50.753334
GOTERM_BP_GO:0030317~	6	1.1342155	0.03678824	DNAH11, SLC	484	64	16787	3.25161415	1	0.56612465	51.2130691
GOTERM_BP_GO:0015701~	5	0.94517958	0.03715187	CYBSR2, SLC4	484	44	16787	3.94135049	1	0.56823802	51.5645337
GOTERM_BP_GO:0045787~	17	3.21361059	0.03757897	KIF14, FZD9, I	484	340	16787	1.73419421	1	0.57095044	51.9742752
GOTERM_BP_GO:0009893~	105	19.8487713	0.03768204	LMO1, S100A	484	3072	16787	1.18548433	1	0.5704547	52.0726709
GOTERM_BP_GO:0051704~	87	16.4461248	0.03769984	SLC22A16, KII	484	2486	16787	1.21379643	1	0.56912679	52.0896397
GOTERM_BP_GO:0051382~	3	0.56710775	0.03826277	CENPA, CENP	484	11	16787	9.45924117	1	0.57311648	52.622346
GOTERM_BP_GO:1901701~	38	7.18336484	0.03828342	AQP9, PTGS2,	484	952	16787	1.38444076	1	0.57182438	52.6429295
GOTERM_BP_GO:0007051~	8	1.51228733	0.0395631	KIFC1, CHMP	484	110	16787	2.52246431	1	0.58254337	53.8350738
GOTERM_BP_GO:0008406~	13	2.45746692	0.03969241	CCNE1, PLA2	484	235	16787	1.91868296	1	0.58227237	53.9539494
GOTERM_BP_GO:0001754~	5	0.94517958	0.03988365	PROM1, GNG	484	45	16787	3.85376492	1	0.58258177	54.1292122
GOTERM_BP_GO:2000179~	5	0.94517958	0.03988365	FZD9, SOX10,	484	45	16787	3.85376492	1	0.58258177	54.1292122
GOTERM_BP_GO:0071346~	9	1.70132325	0.03991635	CCL13, ASS1,	484	134	16787	2.32951462	1	0.58141358	54.1591171
GOTERM_BP_GO:0051302~	9	1.70132325	0.03991635	KIF14, CDC6,	484	134	16787	2.32951462	1	0.58141358	54.1591171
GOTERM_BP_GO:0055080~	28	5.29300567	0.04032445	S100A8, SLC3	484	656	16787	1.48404097	1	0.58373259	54.5307917
GOTERM_BP_GO:0052547~	19	3.59168242	0.04049344	XDH, CCK, S1	484	400	16787	1.6474845	1	0.583828	54.6838267
GOTERM_BP_GO:0060485~	13	2.45746692	0.04085831	SOX10, WNT1	484	236	16787	1.91055295	1	0.5857137	55.012687
GOTERM_BP_GO:0033273~	8	1.51228733	0.04122785	EGFR, CCNE1,	484	111	16787	2.49973941	1	0.58761955	55.3434189
GOTERM_BP_GO:0061351~	9	1.70132325	0.04141371	FZD9, KIF14, !	484	135	16787	2.31225895	1	0.58785111	55.5088897
GOTERM_BP_GO:2000403~	4	0.75614367	0.04152244	CCL20, S100A	484	27	16787	5.13835323	1	0.58738849	55.6054207
GOTERM_BP_GO:0072001~	15	2.83553875	0.04209369	COL4A4, ODC	484	290	16787	1.79399402	1	0.59105432	56.093287
GOTERM_BP_GO:0006950~	128	24.1965974	0.04332592	S100A8, PTGS	484	3849	16787	1.15342613	1	0.60041925	57.1779041
GOTERM_BP_GO:0032465~	6	1.1342155	0.04350181	KIF14, CDC6,	484	67	16787	3.10601949	1	0.60058075	57.3284105
GOTERM_BP_GO:0060707~	3	0.56710775	0.04505732	MDFL, EGFR, C	484	12	16787	8.67097107	1	0.61227316	58.6737552
GOTERM_BP_GO:0048144~	7	1.32325142	0.04525292	EGFR, CDC6, !	484	90	16787	2.69763545	1	0.61248068	58.7996805
GOTERM_BP_GO:0048145~	7	1.32325142	0.04525292	EGFR, CDC6, !	484	90	16787	2.69763545	1	0.61248068	58.7996805
GOTERM_BP_GO:0045137~	13	2.45746692	0.04575192	CCNE1, PLA2	484	240	16787	1.8787104	1	0.61518952	59.2100545
GOTERM_BP_GO:0006809~	6	1.1342155	0.04589239	EGFR, ASS1, F	484	68	16787	3.06034273	1	0.61493224	59.3248787
GOTERM_BP_GO:0048699~	52	9.82986767	0.04623658	NRTN, LMO4,	484	1397	16787	1.29102504	1	0.61633862	59.6049233
GOTERM_BP_GO:0043009~	25	4.72589792	0.04635124	HSD17B2, LM	484	577	16787	1.50276795	1	0.61587074	59.6978121
GOTERM_BP_GO:0007584~	12	2.268431	0.04708901	EGFR, CCNE1,	484	215	16787	1.9358447	1	0.62042194	60.290654
GOTERM_BP_GO:0008652~	6	1.1342155	0.04835976	FOLH1, ASS1,	484	69	16787	3.01598994	1	0.62906871	61.2924517
GOTERM_BP_GO:0009792~	25	4.72589792	0.04922755	HSD17B2, LM	484	585	16787	1.48221728	1	0.63439228	61.9627522
GOTERM_BP_GO:0048565~	9	1.70132325	0.04945832	KLF5, EGFR, S	484	140	16787	2.22967828	1	0.63477668	62.1391466
GOTERM_BP_GO:0048468~	71	13.4215501	0.04964629	NRTN, S100A	484	2006	16787	1.22759511	1	0.63483302	62.2825532
GOTERM_BP_GO:1902692~	4	0.75614367	0.0497499	SOX10, VEGF,	484	29	16787	4.78398404	1	0.63424497	62.3609102
GOTERM_BP_GO:0002687~	8	1.51228733	0.05023093	CXCL1, CCL2,	484	116	16787	2.39199202	1	0.63651689	62.724082
GOTERM_BP_GO:0098771~	28	5.29300567	0.05027929	S100A8, SLC3	484	671	16787	1.44731559	1	0.6355202	62.7604047
GOTERM_BP_GO:0065007~	351	66.3516068	0.05086854	RARRES1, AQP	484	11581	16787	1.05120831	1	0.63856445	63.2003456
GOTERM_BP_GO:0019725~	34	6.42722117	0.05105297	S100A8, SLC3	484	852	16787	1.38409867	1	0.63858119	63.3370215
GOTERM_BP_GO:0002682~	54	10.2079395	0.05112558	LMO1, S100A	484	1470	16787	1.27410187	1	0.63777302	63.3907006
GOTERM_BP_GO:0035148~	9	1.70132325	0.0511805	RGMA, SFRP1	484	141	16787	2.21386496	1	0.63683849	63.4312563
GOTERM_BP_GO:0022414~	52	9.82986767	0.05185567	KIFC1, SLC22/	484	1409	16787	1.2800298	1	0.64045366	63.9263196
GOTERM_BP_GO:0035272~	5	0.94517958	0.05192339	EGFR, SOX10,	484	49	16787	3.59317187	1	0.63961653	63.9756257
GOTERM_BP_GO:0008285~	28	5.29300567	0.05207623	CXCL1, XDH,	484	674	16787	1.44087353	1	0.63940151	64.086661
GOTERM_BP_GO:0042476~	8	1.51228733	0.0521693	WNT10A, AM	484	117	16787	2.37154764	1	0.63875546	64.154117
GOTERM_BP_GO:0051383~	3	0.56710775	0.05225701	CENPA, CENP	484	13	16787	8.0039733	1	0.63807425	64.2175845
GOTERM_BP_GO:0051597~	3	0.56710775	0.05225701	CCNE1, PLA2	484	13	16787	8.0039733	1	0.63807425	64.2175845
GOTERM_BP_GO:0045930~	12	2.268431	0.052981	EGFR, BTG3, I	484	219	16787	1.90048681	1	0.64196229	64.7373774
GOTERM_BP_GO:0006811~	54	10.2079395	0.05378474	SLC22A16, CY	484	1475	16787	1.26978288	1	0.64634728	65.3060346
GOTERM_BP_GO:0030010~	7	1.32325142	0.05388937	CENPA, SPAG	484	94	16787	2.58284245	1	0.6457806	65.3794218
GOTERM_BP_GO:0003231~	8	1.51228733	0.05415409	TNNT2, TMEM	484	118	16787	2.35144978	1	0.64633629	65.5644374
GOTERM_BP_GO:0097305~	11	2.07939509	0.05435709	CCNE1, MLC1,	484	194	16787	1.966612	1	0.64645869	65.7056801
GOTERM_BP_GO:0000003~	52	9.82986767	0.05455855	KIFC1, SLC22/	484	1412	16787	1.27731019	1	0.64656974	65.8453009
GOTERM_BP_GO:0006820~	21	3.96975425	0.05471885	GABRE, CYBSI	484	473	16787	1.53987647	1	0.64639606	65.9560199
GOTERM_BP_GO:0007017~	26	4.91493384	0.05558443	DNAH11, KIFC	484	619	16787	1.4568352	1	0.65105238	66.5480014
GOTERM_BP_GO:0014031~	10	1.89035917	0.05581832	FAM83D, SO	484	169	16787	2.05230085	1	0.65136663	66.7062769
GOTERM_BP_GO:0051239~	92	17.3913043	0.05610018	PTGS2, S100A	484	2698	16787	1.18269731	1	0.6520023	66.8960713
GOTERM_BP_GO:0046209~	6	1.1342155	0.05622387	EGFR, ASS1, F	484	72	16787	2.89032369	1	0.65157067	66.9790389
GOTERM_BP_GO:0070488~	2	0.37807183	0.05671835	S100A8, S100	484	2	16787	34.6838843	1	0.65362216	67.308748
GOTERM_BP_GO:0010033~	99	18.7145558	0.05684183	AQP9, S100A	484	2932	16787	1.17111342	1	0.65318906	67.3905932
GOTERM_BP_GO:0010604~	97	18.3364839	0.05831638	LMO1, S100A	484	2869	16787	1.17265137	1	0.66162154	68.3530766
GOTERM_BP_GO:0045893~	50	9.45179584	0.05834068	LMO1, LMO4,	484	1355	16787	1.27984813	1	0.66053379	68.3687082
GOTERM_BP_GO:1903508~	50	9.45179584	0.05834068	LMO1, LMO4,	484	1355	16787	1.27984813	1	0.66053379	68.3687082
GOTERM_BP_GO:0090068~	13	2.45746692	0.05839069	KIF14, CDC6,	484	250	16787	1.80356198	1	0.65961646	68.4008592
GOTERM_BP_GO:0070371~	13	2.45746692	0.05839069	EGFR, CCL13,	484	250	16787	1.80356198	1	0.65961646	68.4008592
GOTERM_BP_GO:0001890~	9	1.70132325	0.05845356	MDFL, EGFR, I	484	145	16787	2.15279282	1	0.65878611	68.4412373
GOTERM_BP_GO:0010837~	4	0.75614367	0.05870577	SLURP1, BCL1	484	31	16787	4.47533991	1	0.6591811	68.6027123
GOTERM_BP_GO:0009812~	4	0.75614367	0.05870577	UGT1A6, UGT	484	31	16787	4.47533991	1	0.6591811	68.6027123
GOTERM_BP_GO:0048147~	4	0.75614367	0.05870577	SFRP1, IFNG,	484	31	16787	4.47533991	1	0.6591811	68.6027123
GOTERM_BP_GO:0050801~	29	5.48204159	0.05881659	CCK, S100A8,	484	712	16787	1.4126863	1	0.65866532	68.6734168
GOTERM_BP_GO:0007422~	6	1.1342155	0.05899932	SOX10, ONEC	484	73	16787	2.85073022	1	0.65861365	68.7896719
GOTERM_BP_GO:0090596~	13	2.45746692	0.05978881	OTX1, SOX11	484	251	16787	1.79637648	1	0.66242058	69.2872644
GOTERM_BP_GO:0002523~	3	0.56710775	0.05983302	S100A8, S100	484	14	16787	7.43226092	1	0.66148413	69.3149111
GOTERM_BP_GO:0071459~	3	0.56710775	0.05983302	CENPA, BUB1	484	14	16787	7.43226092	1	0.66148413	69.3149111
GOTERM_BP_GO:0043508~	3	0.56710775	0.05983302	SFRP1, SERP	484	14	16787	7.43226092	1	0.66148413	69.3149111
GOTERM_BP_GO:0002695~	9	1.70132325	0.06036872	PEL1, BPL, IL2	484	146	16787	2.13804766	1	0.66364313	69.6479687
GOTERM_BP_GO:0042698~	8	1.51228733	0.06038877	EGFR, CCNE1,	484	121	16787	2.29314938	1	0.66256103	69.6603685
GOTERM_BP_GO:0006022~	10	1.89035917	0.06101348	B3GAT1, GCN	484	1					

GOTERM_BP_GO:0031100~	7	1.32325142	0.06599863	EGFR, CCNE1,	484	99	16787	2.45239586	1	0.68776789	72.9472001
GOTERM_BP_GO:0015698~	9	1.70132325	0.06634877	GABRR, SLC4A	484	149	16787	2.09499972	1	0.68859141	73.1407342
GOTERM_BP_GO:0040008~	27	5.10396975	0.06713711	S100A8, FOXO1	484	662	16787	1.41459951	1	0.69186927	73.5716831
GOTERM_BP_GO:0007494~	3	0.56710775	0.06775784	EGFR, FOXL1,	484	15	16787	6.93677686	1	0.69416857	73.9063829
GOTERM_BP_GO:0051782~	3	0.56710775	0.06775784	CHMP4C, E2F	484	15	16787	6.93677686	1	0.69416857	73.9063829
GOTERM_BP_GO:2000696~	3	0.56710775	0.06775784	PROM1, WW	484	15	16787	6.93677686	1	0.69416857	73.9063829
GOTERM_BP_GO:0001696~	3	0.56710775	0.06775784	CCKBR, SLC2A	484	15	16787	6.93677686	1	0.69416857	73.9063829
GOTERM_BP_GO:2001057~	6	1.1342155	0.06778646	EGFR, ASS1, F	484	76	16787	2.73820139	1	0.69317476	73.9217184
GOTERM_BP_GO:0043616~	4	0.75614367	0.06836192	KLK8, SLURP1	484	33	16787	4.20410719	1	0.69519979	74.228249
GOTERM_BP_GO:1902680~	50	9.45179584	0.06901983	LMO1, LMO4,	484	1375	16787	1.26123216	1	0.6976489	74.5745135
GOTERM_BP_GO:0006790~	17	3.21361059	0.06921564	PDK1, GSTA2,	484	371	16787	1.5892885	1	0.69757197	74.6767149
GOTERM_BP_GO:0060070~	14	2.64650284	0.06930996	FZD9, SOX10,	484	285	16787	1.70376975	1	0.69694695	74.7258081
GOTERM_BP_GO:0009620~	5	0.94517958	0.06944658	S100A8, GNL3	484	54	16787	3.21147077	1	0.69655322	74.7967554
GOTERM_BP_GO:0060537~	17	3.21361059	0.07038345	KLK5, SOX11,	484	372	16787	1.58501622	1	0.70044928	75.2782109
GOTERM_BP_GO:0008366~	7	1.32325142	0.07125263	KLK6, KLK8, IF	484	101	16787	2.40383357	1	0.70392141	75.717074
GOTERM_BP_GO:0007272~	7	1.32325142	0.07125263	KLK6, KLK8, IF	484	101	16787	2.40383357	1	0.70392141	75.717074
GOTERM_BP_GO:0051128~	80	15.1228733	0.07143619	S100A8, CHM	484	2343	16787	1.18425555	1	0.70376631	75.8088052
GOTERM_BP_GO:0050921~	8	1.51228733	0.07172077	CXCL1, S100A	484	126	16787	2.20215138	1	0.70413966	75.9503767
GOTERM_BP_GO:0051250~	8	1.51228733	0.07172077	PEL1, IL2RA,	484	126	16787	2.20215138	1	0.70413966	75.9503767
GOTERM_BP_GO:0070887~	91	17.2022684	0.07233261	AQP9, PTGS2,	484	2702	16787	1.16811009	1	0.70620603	76.2520887
GOTERM_BP_GO:0042267~	5	0.94517958	0.07327348	ULBP2, GZMB	484	55	16787	3.15308039	1	0.70992711	76.7097075
GOTERM_BP_GO:0050789~	332	62.7599244	0.073413	RARRES1, S1C	484	10969	16787	1.04978116	1	0.70953709	76.7761188
GOTERM_BP_GO:0001816~	26	4.91493384	0.07343377	IL1R2, S100A	484	639	16787	1.41123786	1	0.70854587	76.7860858
GOTERM_BP_GO:0034698~	4	0.75614367	0.07344277	FOXO1, ASN1	484	34	16787	4.08045698	1	0.70749743	76.7904031
GOTERM_BP_GO:0032602~	6	1.1342155	0.07402609	S100A8, IFNG	484	78	16787	2.6679911	1	0.70936142	77.0668963
GOTERM_BP_GO:0045471~	9	1.70132325	0.0748726	CCNE1, S100	484	153	16787	2.04022849	1	0.71251707	77.4666936
GOTERM_BP_GO:1900745~	3	0.56710775	0.0760052	XDH, OPRK1,	484	16	16787	6.50322831	1	0.71702603	77.9891002
GOTERM_BP_GO:0090231~	3	0.56710775	0.0760052	NDC80, NDR1,	484	16	16787	6.50322831	1	0.71702603	77.9891002
GOTERM_BP_GO:0051797~	3	0.56710775	0.0760052	KRT17, GAL,	484	16	16787	6.50322831	1	0.71702603	77.9891002
GOTERM_BP_GO:0048812~	23	4.34782609	0.07606499	EGFR, KLK8, C	484	551	16787	1.44778464	1	0.71624374	78.0163558
GOTERM_BP_GO:0030003~	24	4.536862	0.07655755	FZD9, S100A	484	585	16787	1.42292859	1	0.71757246	78.2396825
GOTERM_BP_GO:0018149~	5	0.94517958	0.07720529	SPRR2D, SPR1	484	56	16787	3.09677538	1	0.71963548	78.5300986
GOTERM_BP_GO:0006953~	5	0.94517958	0.07720529	PLA2G4A, AS	484	56	16787	3.09677538	1	0.71963548	78.5300986
GOTERM_BP_GO:0048709~	6	1.1342155	0.07725931	SOX10, SOX1	484	79	16787	2.63421906	1	0.71883225	78.5541547
GOTERM_BP_GO:0042475~	6	1.1342155	0.07725931	AMTN, BCL11	484	79	16787	2.63421906	1	0.71883225	78.5541547
GOTERM_BP_GO:0048584~	70	13.2325142	0.07814501	PTGS2, S100A	484	2029	16787	1.19658546	1	0.72200369	78.9449025
GOTERM_BP_GO:0035239~	16	3.02457467	0.07822237	EGFR, SOX10,	484	348	16787	1.59466135	1	0.72131587	78.9787054
GOTERM_BP_GO:0007019~	4	0.75614367	0.0786865	KIF14, KIF2C,	484	35	16787	3.96387249	1	0.72245841	79.1804585
GOTERM_BP_GO:0006270~	4	0.75614367	0.0786865	CCNE1, CDC6	484	35	16787	3.96387249	1	0.72245841	79.1804585
GOTERM_BP_GO:0071392~	4	0.75614367	0.0786865	EGFR, SFRP1,	484	35	16787	3.96387249	1	0.72245841	79.1804585
GOTERM_BP_GO:0045595~	56	10.5860113	0.07869136	PTGS2, ELF5,	484	1579	16787	1.23008076	1	0.72143304	79.1825623
GOTERM_BP_GO:0007166~	89	16.8241966	0.0788508	NRTN, PAX6,	484	2649	16787	1.16529472	1	0.72113842	79.2514378
GOTERM_BP_GO:0001666~	15	2.83553875	0.07910536	PDK1, PTGS2,	484	320	16787	1.62580708	1	0.72129195	79.3609529
GOTERM_BP_GO:0051254~	51	9.64083176	0.08085648	LMO1, LMO4,	484	1422	16787	1.24393678	1	0.72836261	80.096123
GOTERM_BP_GO:0046530~	5	0.94517958	0.08124071	PROM1, GNG	484	57	16787	3.04244599	1	0.72908306	80.2583023
GOTERM_BP_GO:0008277~	8	1.51228733	0.08163575	KLK6, NMT2,	484	130	16787	2.13439288	1	0.72984702	80.4202046
GOTERM_BP_GO:0045089~	14	2.64650284	0.08190092	COCH, POLR2	484	293	16787	1.65725044	1	0.73002057	80.5281745
GOTERM_BP_GO:0010951~	12	2.268431	0.0822384	LAMP3, SERP1	484	237	16787	1.75614604	1	0.73051797	80.6647713
GOTERM_BP_GO:0060541~	11	2.07939509	0.08240721	EGFR, ASS1, S	484	210	16787	1.81677489	1	0.7302577	80.732757
GOTERM_BP_GO:0031328~	61	11.5311909	0.08256176	LMO1, PTGS2	484	1745	16787	1.21244524	1	0.72993508	80.7948025
GOTERM_BP_GO:0022412~	13	2.45746692	0.08381944	AURKA, CXAK	484	266	16787	1.69507705	1	0.73449812	81.2927022
GOTERM_BP_GO:0021538~	2	0.37807183	0.08386193	PAX6, POU4F	484	3	16787	23.1225895	1	0.73367979	81.3093109
GOTERM_BP_GO:0021986~	2	0.37807183	0.08386193	PAX6, POU4F	484	3	16787	23.1225895	1	0.73367979	81.3093109
GOTERM_BP_GO:0071400~	2	0.37807183	0.08386193	ASS1, DGAT2	484	3	16787	23.1225895	1	0.73367979	81.3093109
GOTERM_BP_GO:0051661~	2	0.37807183	0.08386193	GPSM2, ASPA	484	3	16787	23.1225895	1	0.73367979	81.3093109
GOTERM_BP_GO:1904956~	2	0.37807183	0.08386193	DKK1, SFRP1	484	3	16787	23.1225895	1	0.73367979	81.3093109
GOTERM_BP_GO:0048477~	6	1.1342155	0.08395026	NPM2, HORV	484	81	16787	2.56917661	1	0.73306486	81.3437877
GOTERM_BP_GO:2001026~	3	0.56710775	0.08455008	CXCL13, VEGF	484	17	16787	6.12068546	1	0.73468727	81.576312
GOTERM_BP_GO:0036303~	3	0.56710775	0.08455008	VEGFA, PTPN	484	17	16787	6.12068546	1	0.73468727	81.576312
GOTERM_BP_GO:0070374~	10	1.89035917	0.08481094	EGFR, CCL13,	484	184	16787	1.88499371	1	0.73482527	81.6765762
GOTERM_BP_GO:0050829~	5	0.94517958	0.08537837	BPI, S100A7, I	484	58	16787	2.98999003	1	0.73628602	81.8928937
GOTERM_BP_GO:0001775~	35	6.61625709	0.08551721	SLURP1, LMO	484	922	16787	1.31663335	1	0.73589463	81.9454542
GOTERM_BP_GO:0034612~	13	2.45746692	0.08734476	PTGS2, ASS1,	484	268	16787	1.68242722	1	0.74266783	82.6239532
GOTERM_BP_GO:0061053~	6	1.1342155	0.0909368	RGS20, DKK1,	484	83	16787	2.50726874	1	0.75634464	83.887735
GOTERM_BP_GO:0031109~	6	1.1342155	0.0909368	KIF14, KIF2C,	484	83	16787	2.50726874	1	0.75634464	83.887735
GOTERM_BP_GO:0034341~	9	1.70132325	0.09130727	CCL13, ASS1,	484	160	16787	1.95096849	1	0.75685258	84.0130022
GOTERM_BP_GO:0045664~	24	4.536862	0.09177997	KLK6, KLK8, S	484	594	16787	1.40136906	1	0.75775909	84.1714932
GOTERM_BP_GO:0044843~	12	2.268431	0.09291295	KIF14, FAM83	484	243	16787	1.71278441	1	0.76122372	84.5453365
GOTERM_BP_GO:0000920~	3	0.56710775	0.09336861	CHMP4C, CEF	484	18	16787	5.78064738	1	0.76203484	84.6933147
GOTERM_BP_GO:0072507~	19	3.59168242	0.09378925	FZD9, EGFR, S	484	448	16787	1.47096831	1	0.76270575	84.8287282
GOTERM_BP_GO:0002685~	9	1.70132325	0.09381226	CXCL1, CCL2C	484	161	16787	1.93885068	1	0.76185422	84.8361
GOTERM_BP_GO:0051148~	5	0.94517958	0.09395438	DKK1, RCAN1,	484	60	16787	2.89032369	1	0.76146029	84.8815737
GOTERM_BP_GO:1905039~	5	0.94517958	0.09395438	AQP9, SLC16G	484	60	16787	2.89032369	1	0.76146029	84.8815737
GOTERM_BP_GO:0010043~	5	0.94517958	0.09395438	S100A8, ASS1	484	60	16787	2.89032369	1	0.76146029	84.8815737
GOTERM_BP_GO:0001909~	6	1.1342155	0.09453931	ULBP2, GZMB	484	84	16787	2.47742031	1	0.76275428	85.0673745
GOTERM_BP_GO:0034220~	36	6.80529301	0.09516686	NETO2, OPRK	484	966	16787	1.29256712	1	0.76419615	85.2643035
GOTERM_BP_GO:0060612~	4	0.75614367	0.09534994	DGAT2, OXCL	484	38	16787	3.65093519	1	0.76395776	85.3212899
GOTERM_BP_GO:0071542~	4	0.75614367	0.09534994	DKK1, SFRP1,	484	38	16787	3.65093519	1	0.76395776	85.3212899
GOTERM_BP_GO:0002757~	20	3.78071834	0.09560721	PEL1, FCRL5,	484	480	16787	1.44516185	1	0.76399887	85.4010157
GOTERM_BP_GO:0010038~	16	3.02457467	0.09632089	EGFR, S100A	484	359	16787	1.54579986	1	0.76574117	85.6200379
GOTERM_BP_GO:0036293~	15	2.83553875	0.09799942	PDK1, PTGS2,	484	331	16787	1.57177723	1	0.77098922	86.1229504
GOTERM_BP_GO:0042108~	5	0.94517958	0.09838952	CCL20, IFNG,	484	61	16787	2.84294134	1	0.77149321	86.237421
GOTERM_BP_GO:1901988~	9	1.70132325	0.09893923	SOX11, BUB1,	484	163	16787	1.9150611	1	0.77	



Supplementary Table 3.

NAME	GS  follo GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MA LEADING EDGE	
FARMER_BREAST_CANCER_BASAL_VS_LUMINAL	FARMER_BRE_Details ...		198	0.48625603	2.1468847	0	0.21165773	0.055	488 tags=45%, list=10%, signal=48%
MASSARWEH_TAMOXIFEN_RESISTANCE_CN	MASSARWEH_Details ...		130	0.6143302	2.0896327	0	0.2732994	0.144	1090 tags=58%, list=22%, signal=73%
SMID_BREAST_CANCER_BASAL_DN	SMID_BREAST_Details ...		464	0.7354685	2.073415	0	0.23257719	0.182	1158 tags=74%, list=23%, signal=88%
RAF_UP_V1_DN	RAF_UP_V1_D_Details ...		118	0.57963943	2.034787	0	0.30762357	0.292	1090 tags=59%, list=22%, signal=74%
GOZGIT_ESR1_TARGETS_DN	GOZGIT_ESR1_Details ...		397	0.5099707	2.0216477	0	0.29569975	0.336	1102 tags=39%, list=22%, signal=46%
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_1	CREIGHTON_J_Details ...		197	0.51147896	1.9927754	0	0.3633598	0.438	1096 tags=50%, list=22%, signal=61%
SMID_BREAST_CANCER_LUMINAL_B_UP	SMID_BREAST_Details ...		141	0.7782978	1.9789903	0	0.36998907	0.474	958 tags=83%, list=19%, signal=100%
FRASOR_RESPONSE_TO ESTRADIOL_UP	FRASOR_RESF_Details ...		32	0.71938765	1.9727094	0	0.35364115	0.498	854 tags=66%, list=17%, signal=79%
MASRL_RESISTANCE_TO TAMOXIFEN_AND_ AROMATAS	MASRL_RESIS_Details ...		17	0.77405745	1.9534317	0	0.40446305	0.581	763 tags=65%, list=15%, signal=76%
VANTVEER_BREAST_CANCER_METASTASIS_UP	VANTVEER_BI_Details ...		31	0.86028564	1.9495128	0	0.38355827	0.596	361 tags=81%, list=7%, signal=86%
VANTVEER_BREAST_CANCER_ESR1_UP	VANTVEER_BI_Details ...		89	0.8546295	1.9441208	0	0.37220663	0.614	577 tags=90%, list=12%, signal=100%
HALLMARK_ESTROGEN_RESPONSE_EARLY	HALLMARK_E_Details ...		131	0.57554954	1.9422907	0.00208333	0.34932917	0.619	899 tags=52%, list=18%, signal=62%
REACTOME_SIGNALING_BY_ERBB4	REACTOME_S_Details ...		18	0.6657322	1.9410121	0	0.32841143	0.626	261 tags=33%, list=5%, signal=35%
CHARAFE_BREAST_CANCER_LUMINAL_VS_BASAL_UP	CHARAFE_BR1_Details ...		139	0.7100135	1.9357619	0.00206612	0.32511595	0.642	980 tags=71%, list=20%, signal=85%
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_4	CREIGHTON_J_Details ...		134	0.5361029	1.9196826	0	0.37099203	0.697	1090 tags=51%, list=22%, signal=64%
GSE8515_IL1_VS_IL6_4H_STIM_MAC_DN	GSE8515_IL1_Details ...		62	0.6151941	1.9130859	0	0.37934682	0.724	434 tags=27%, list=9%, signal=30%
LIEN_BREAST_CARCINOMA_METAPLASTIC_VS_DUCTAL	LIEN_BREAST_Details ...		84	0.7318589	1.9129707	0	0.3576812	0.724	835 tags=65%, list=17%, signal=77%
GO_SECRETORY GRANULE_MEMBRANE	GO_SECRETO_Details ...		33	0.6221506	1.9118128	0	0.34353867	0.729	1090 tags=61%, list=22%, signal=77%
MASSARWEH_RESPONSE_TO ESTRADIOL	MASSARWEH_Details ...		42	0.6610997	1.9068773	0.00416667	0.34401014	0.738	887 tags=60%, list=18%, signal=72%
YANG_BREAST_CANCER_ESR1_UP	YANG_BREAS_Details ...		25	0.9431664	1.8971596	0	0.36734137	0.769	306 tags=100%, list=6%, signal=106%
DOANE_BREAST_CANCER_ESR1_UP	DOANE_BREAST_CANCER_E		93	0.8130886	1.8917137	0	0.37363368	0.788	408 tags=75%, list=8%, signal=80%
CYTACGAAY_UNKNOWNN	CYTACGAAY_UNKNOWNN		42	0.575823	1.8798599	0	0.4112817	0.826	1051 tags=60%, list=21%, signal=75%
MODULE_180	MODULE_180		69	0.5752619	1.8719602	0	0.43296137	0.852	889 tags=41%, list=18%, signal=49%
SMID_BREAST_CANCER_RELAPSE_IN_BONE_UP	SMID_BREAST_CANCER_REI		80	0.73121345	1.8654052	0	0.4504527	0.865	1152 tags=83%, list=23%, signal=105%
GO_ORGANELLE_MEMBRANE_FUSION	GO_ORGANELLE_MEMBRAN		19	0.6715279	1.8564208	0.00196078	0.48018295	0.877	384 tags=37%, list=23%, signal=40%
WANG_LMO4_TARGETS_DN	WANG_LMO4_TARGETS_DN		58	0.55401826	1.8521245	0.00199601	0.48447144	0.882	1003 tags=41%, list=20%, signal=51%
VANTVEER_BREAST_CANCER_BCA1_DN	VANTVEER_BREAST_CANCE		19	0.73994607	1.8481567	0	0.4891545	0.887	903 tags=63%, list=18%, signal=75%
GINESTIER_BREAST_CANCER_20Q13_ AMPLIFICATION_U	GINESTIER_BREAST_CANCEI		27	0.7286693	1.8462971	0.00412371	0.4821563	0.888	1013 tags=74%, list=20%, signal=92%
GO_TRANSCRIPTION_INITIATION_FROM_RNA_POLYMER	GO_TRANSCRIPTION_INITIA		25	0.5378053	1.8415318	0.00204208	0.49160808	0.897	131 tags=20%, list=3%, signal=20%
POOLA_INVASIVE_BREAST_CANCER_DN	POOLA_INVASIVE_BREAST_I		92	0.5795168	1.83832	0	0.49248533	0.905	603 tags=41%, list=12%, signal=46%
SMID_BREAST_CANCER_RELAPSE_IN_BRAIN_DN	SMID_BREAST_CANCER_REI		58	0.7970944	1.8282427	0	0.56597453	0.93	1028 tags=98%, list=21%, signal=122%
GO_SINGLE_ORGANISM_MEMBRANE_FUSION	GO_SINGLE_ORGANISM_MI		25	0.5473041	1.8156183	0.00191571	0.5918253	0.938	384 tags=32%, list=8%, signal=34%
PID_ERA_GENOMIC_PATHWAY	PID_ERA_GENOMIC_PATHWA		18	0.6123159	1.8141845	0.00829876	0.5820686	0.94	469 tags=39%, list=9%, signal=43%
RIGGINS_TAMOXIFEN_RESISTANCE_CN	RIGGINS_TAMOXIFEN_RESIS		105	0.49654546	1.811594	0.00419287	0.5808852	0.944	1113 tags=44%, list=22%, signal=55%
LUL_THYROID_CANCER_CLUSTER_2	LUL_THYROID_CANCER_CLUSTER		17	0.63852406	1.7967837	0.0059761	0.6615622	0.965	360 tags=35%, list=7%, signal=38%
GO_TRANSCRIPTION_FACTOR_ACTIVITY_DIRECT_LIGAN	GO_TRANSCRIPTION_FACTC		16	0.67872864	1.7866439	0.00413223	0.7164751	0.974	540 tags=38%, list=11%, signal=42%
MODULE_139	MODULE_139		46	0.6309455	1.7851294	0.01301519	0.70839596	0.975	889 tags=52%, list=18%, signal=63%
GSE29164_UNTREATED_VS_C08_TCELL_AND_IL12_TREA	GSE29164_UNTREATED_VS_G		39	0.5126764	1.7813653	0.00203252	0.7159355	0.975	404 tags=31%, list=8%, signal=33%
GO_ORGANELLE_FUSION	GO_ORGANELLE_FUSION		22	0.5731811	1.7772907	0.00790514	0.727166	0.976	384 tags=32%, list=8%, signal=34%
LIM_MAMMARY_LUMINAL_MATURE_UP	LIM_MAMMARY_LUMINAL_M		66	0.64326304	1.7769266	0.01525055	0.7117518	0.976	1202 tags=64%, list=24%, signal=83%
GSE40666_STAT1_KO_VS_STAT4_KO_C08_TCELL_WITHJ	GSE40666_STAT1_KO_VS_S1		19	0.6059728	1.7767503	0.00795229	0.69542027	0.976	993 tags=47%, list=20%, signal=59%
SMID_BREAST_CANCER_LUMINAL_A_UP	SMID_BREAST_CANCER_LUI		69	0.6886251	1.7742537	0.00201207	0.69612277	0.978	1378 tags=84%, list=28%, signal=114%
YANG_BREAST_CANCER_ESR1_BULK_UP	YANG_BREAST_CANCER_ESI		18	0.8378161	1.7733942	0.0020284	0.68493605	0.979	825 tags=100%, list=17%, signal=119%
LIU_PROSTATE_CANCER_UP	LIU_PROSTATE_CANCER_UP		34	0.5891738	1.7714359	0	0.6827438	0.979	1253 tags=50%, list=25%, signal=66%
GSE10240_CTRL_VS_IL17_STIM_PRIMARY_BRONCHIAL_I	GSE10240_CTRL_VS_IL17_S1		45	0.46382015	1.7597673	0.0059761	0.749093	0.981	758 tags=36%, list=15%, signal=42%
XU_GH1_AUTOCRINE_TARGETS_DN	XU_GH1_AUTOCRINE_TARG		53	0.5288089	1.7564135	0.01239669	0.75713706	0.982	970 tags=49%, list=19%, signal=60%
GO_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO_G	GO_ESTABLISHMENT_OF_PI		18	0.62854534	1.7521319	0.00609756	0.77206	0.984	741 tags=39%, list=15%, signal=45%
GO_MEMBRANE_FUSION	GO_MEMBRANE_FUSION		31	0.512421	1.7500626	0.00192308	0.7708334	0.986	384 tags=29%, list=8%, signal=31%
AAGGATMIR-188	AAGGATMIR-188		19	0.5942785	1.7407538	0.00403226	0.82536876	0.992	455 tags=32%, list=9%, signal=35%
GSE6259_FLT3L_INDUCED_DEC205_POS_DC_VS_BCCELL_I	GSE6259_FLT3L_INDUCED_I		52	0.47202224	1.7406446	0.00585938	0.8096884	0.992	912 tags=40%, list=18%, signal=49%
GO_NEGATIVE_REGULATION_OF_DNA_METABOLIC_PRC	GO_NEGATIVE_REGULATIO		23	0.547155	1.7402061	0.0059761	0.79721844	0.992	540 tags=30%, list=11%, signal=34%
HALLMARK_ANDROGEN_RESPONSE	HALLMARK_ANDROGEN_RE		37	0.54689413	1.7385409	0.01287554	0.794817	0.993	822 tags=41%, list=16%, signal=48%
BHAT_ESR1_TARGETS_VIA_AKT1_UP	BHAT_ESR1_TARGETS_VIA_I		111	0.48211062	1.7327973	0.02371541	0.82161885	0.994	934 tags=44%, list=19%, signal=53%
ONDER_CDH1_TARGETS_2_UP	ONDER_CDH1_TARGETS_2		135	0.5487652	1.7191703	0.0323223	0.91368157	0.998	1410 tags=57%, list=28%, signal=77%
PID_SMAP23_NUCLEAR_PATHWAY	PID_SMAP23_NUCLEAR_PA		25	0.5323434	1.7172712	0.01754386	0.91301537	0.998	854 tags=36%, list=17%, signal=43%
HALLMARK_ESTROGEN_RESPONSE_LATE	HALLMARK_ESTROGEN_RES		143	0.43378514	1.7158756	0.01737452	0.90868014	0.998	1090 tags=46%, list=22%, signal=57%
NELSON_RESPONSE_TO_ANDROGEN_UP	NELSON_RESPONSE_TO_AN		38	0.52428454	1.7149413	0.00847458	0.9007694	0.998	739 tags=34%, list=15%, signal=40%
GO_CLATHRIN_BINDING	GO_CLATHRIN_BINDING		22	0.53847045	1.7125283	0.00379507	0.9049911	0.998	445 tags=32%, list=9%, signal=35%
GO_POSITIVE_REGULATION_OF_PHOSPHOLIPID_METAE	GO_POSITIVE_REGULATION		16	0.63756037	1.7123268	0.002079	0.8912492	0.998	732 tags=38%, list=15%, signal=44%
STOSS1_RESPONSE_TO ESTRADIOL	STOSS1_RESPONSE_TO_ESTI		37	0.513591	1.7028782	0.02115385	0.9524137	0.999	739 tags=43%, list=15%, signal=50%
WANG_BARRETS_ESOPHAGUS_AND_ESOPHAGUS_CAI	WANG_BARRETS_ESOPHA		15	0.6658961	1.6977087	0.00767754	0.97940344	1	642 tags=40%, list=13%, signal=46%
GO_CELL_PROJECTION_ASSEMBLY	GO_CELL_PROJECTION_ASS		68	0.47811535	1.695746	0.00998004	0.9799259	1	1028 tags=40%, list=13%, signal=49%
GO_REGULATION_OF_PROTEIN_TARGETING_TO_MITOC	GO_REGULATION_OF_PROT		19	0.55689925	1.6943212	0.01115242	0.97644365	1	228 tags=26%, list=5%, signal=27%
GO_STEROID_HORMONE_RECEPTOR_ACTIVITY	GO_STEROID_HORMONE_R		21	0.5968223	1.6918607	0.00626305	0.98205304	1	540 tags=29%, list=11%, signal=32%
GSE9037_CTRL_VS_IP3_STIM_IRAK4_KO_BMDM_UP	GSE9037_CTRL_VS_IP3_STI		38	0.5141875	1.6909629	0.00406504	0.9750438	1	1350 tags=50%, list=27%, signal=68%
GSE26928_NAIVE_VS_EFF_MEMORY_CD4_TCELL_UP	GSE26928_NAIVE_VS_EFF_M		38	0.48501933	1.6881561	0.00840336	0.9840711	1	664 tags=29%, list=13%, signal=38%
GSE23398_WT_VS_IL2_KO_CD4_TCELL_SCURFY_MOUSE	GSE23398_WT_VS_IL2_KO_C		35	0.5253731	1.6840649	0.00826446	1	689 tags=34%, list=14%, signal=39%	
GSE4984_GALECTIN1_VS_VEHICLE_CTRL_TREATED_DC_I	GSE4984_GALECTIN1_VS_VI		37	0.4979357	1.6819708	0.0094036	1	831 tags=32%, list=17%, signal=39%	
GO_CELL_GROWTH	GO_CELL_GROWTH		44	0.47922605	1.6817079	0.01197605	0.99538094	1	634 tags=30%, list=13%, signal=34%
PID_HNF3A_PATHWAY	PID_HNF3A_PATHWAY		15	0.68479794	1.6805342	0.00833333	0.9906554	1	554 tags=53%, list=11%, signal=60%
BHAT_ESR1_TARGETS_NOT_VIA_AKT1_UP	BHAT_ESR1_TARGETS_NOT		102	0.4448633	1.676323	0.02312139	1	880 tags=41%, list=18%, signal=49%	
GO_KINASE_INHIBITOR_ACTIVITY	GO_KINASE_INHIBITOR_ACT		28	0.5270987	1.675843	0.01086957	1	1023 tags=46%, list=20%, signal=58%	
GO_EMBRYONIC_PATTERN_SPECIFICATION	GO_EMBRYONIC_PATTERN		22	0.60656506	1.6729056	0.02816901	1	1221 tags=55%, list=24%, signal=72%	
GO_SYNTAXIN_BINDING	GO_SYNTAXIN_BINDING		26	0.53689325	1.6724745	0.01500938	1	384 tags=27%, list=8%, signal=29%	
GO_SNARE_BINDING	GO_SNARE_BINDING		26	0.53689325	1.6724745	0.01500938	0.9913883	1	384 tags=27%, list=8%, signal=29%
YAUCH_HEDGEHOG_SIGNALING_PARACRINE_UP	YAUCH_HEDGEHOG_SIGNA		63	0.48245052	1.6685401	0.00769231	1	1121 tags=46%, list=22%, signal=59%	
SCHUETZ_BREAST_CANCER_DUCTAL_INVASIVE_DN	SCHUETZ_BREAST_CANCER		64	0.4868743	1.6646689	0.02674897	1	1134 tags=53%, list=23%, signal=68%	
GO_REGULATION_OF_CALCIIUM_ION_DEPENDENT_EXO	GO_REGULATION_OF_CALC		28	0.49416628	1.6605942	0.00788955	1	384 tags=29%, list=8%, signal=31%	
GSE11386_NAIVE_VS_MEMORY_BCELL_DN	GSE11386_NAIVE_VS_MEM		44	0.50714433	1.6575832	0.00626305	1	1013 tags=43%, list=20%, signal=54%	
CHRP22	CHRP22		17	0.58766955	1.6575139	0.01871102	1	1247 tags=47%, list=25%, signal=62%	
GO_CILIUM_ORGANIZATION	GO_CILIUM_ORGANIZATIO		43	0.5817087	1.655992	0.0204918	1	1426 tags=65%, list=29%, signal=90%	
GO_REGULATION_OF_MITOCHONDRION_ORGANIZATK	GO_REGULATION_OF_MITO		47	0.42853895	1.6556095	0.00564972	1	951 tags=36%, list=19%, signal=44%	
VSAP4_Q5	VSAP4_Q5		75	0.42416343	1.6507277	0.00196078	1	940 tags=39%, list=19%, signal=47%	
GO_REGULATION_OF_STAT_CASCADE	GO_REGULATION_OF_STAT		53	0.48148397	1.6503016	0.00968992	1	811 tags=36%, list=16%, signal=42%	
GO_REGULATION_OF_JAK_STAT_CASCADE	GO_REGULATION_OF_JAK_S		53	0.48148385	1.6503012	0.00968992	1	811 tags=36%, list=16%, signal=42%	
GSE1432_1H_VS_6H_JFNG_MICROGUA_J	GSE1432_1H_VS_6H_JFNG_J								

GSE11864_CSF1_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP	GSE11864_CSF1_VS_CSF1_IF	30	0.47218663	1.612468	0.0259481	1	1	1139 tags=40%, list=23%, signal=51%
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_6	PEDERSEN_METASTASIS_BY	22	0.5630797	1.6116122	0.02816901	1	1	1236 tags=55%, list=25%, signal=72%
GSE10147_IL3_VS_IL3_AND_HIVP17_STIM_PDC_UP	GSE10147_IL3_VS_IL3_AND	21	0.5316388	1.611007	0.02272277	1	1	672 tags=43%, list=13%, signal=49%
GO_TRANSFORMING_GROWTH_FACTOR_BETA_RECEPT	GO_TRANSFORMING_GROV	19	0.55765903	1.6104549	0.01509434	1	1	770 tags=37%, list=15%, signal=43%
GO_MAMMARY_GLAND_MORPHOGENESIS	GO_MAMMARY_GLAND_M	17	0.5571708	1.6102608	0.02272727	1	1	1190 tags=65%, list=24%, signal=85%
GO_ATPASE_BINDING	GO_ATPASE_BINDING	17	0.51473796	1.609847	0.02990654	1	1	131 tags=18%, list=3%, signal=18%
GSE26343_WT_VS_INFATS_KO_MACROPHAGE_LPS_STIM	GSE26343_WT_VS_INFATS_K	51	0.4356451	1.608848	0.01178782	1	1	1553 tags=53%, list=31%, signal=76%
GSE45365_HEALTHY_VS_MCMV_INFECTION_CD11B_DC	GSE45365_HEALTHY_VS_M	44	0.46458497	1.6063782	0.01226994	1	1	1178 tags=43%, list=24%, signal=56%
GO_SMOOTH_MUSCLE_CONTRACTION	GO_SMOOTH_MUSCLE_COI	15	0.65134436	1.6060253	0.03193613	1	1	1358 tags=67%, list=27%, signal=91%
GSE27786_BCELL_VS_ERYTHROBLAST_DN	GSE27786_BCELL_VS_ERYT	64	0.40137386	1.6052036	0.00776699	1	1	633 tags=28%, list=13%, signal=32%
CHRI14Q24	CHRI14Q24	18	0.62821096	1.6050895	0.02208835	1	1	1079 tags=61%, list=22%, signal=78%
LINDGREN_BLAODDER_CANCER_CLUSTER_3_DN	LINDGREN_BLAODDER_CANC	56	0.43167004	1.6041012	0.01234568	1	1	1022 tags=43%, list=20%, signal=53%
GO_RENAL_SYSTEM_PROCESS	GO_RENAL_SYSTEM_PROCE	40	0.48773305	1.6034071	0.01603206	1	1	940 tags=35%, list=19%, signal=43%
GO_REGULATION_OF_ENDOTHELIAL_CELL_APOPTOTIC	GO_REGULATION_OF_ENDC	15	0.6102125	1.6031182	0.0256917	1	1	1395 tags=60%, list=28%, signal=83%
HUANG_DASATINIB_RESISTANCE_DN	HUANG_DASATINIB_RESIST	32	0.59816515	1.6022832	0.05894737	1	1	1195 tags=69%, list=24%, signal=90%
GO_POSITIVE_REGULATION_OF_CAMP_METABOLIC_PRC	GO_POSITIVE_REGULATION	36	0.47533152	1.6001791	0.02071563	1	1	629 tags=31%, list=13%, signal=35%
GO_REGULATION_OF_PEPTIDE_SECRETION	GO_REGULATION_OF_PEPTI	82	0.40838265	1.6001153	0.005386	1	1	603 tags=27%, list=12%, signal=30%
RODRIGUES_THYROID_CARCINOMA_ANAPLASTIC_DN	RODRIGUES_THYROID_CAR	150	0.46384445	1.5984141	0.02489627	1	1	1216 tags=46%, list=24%, signal=59%
JUBAN_TARGETS_OF_SPT1_AND_FLU1_UP	JUBAN_TARGETS_OF_SPT1_	21	0.51138294	1.5977492	0.01232033	1	1	381 tags=33%, list=8%, signal=36%
GSE41867_DAY6_VS_DAY15_LCMV_ARMSTRONG_EFFECT	GSE41867_DAY6_VS_DAY15	29	0.4815994	1.5961206	0.02443992	1	1	712 tags=31%, list=14%, signal=36%
GSE11961_FOLLICULAR_BCELL_VS_GERMINAL_CENTER	GSE11961_FOLLICULAR_BCT	48	0.47132304	1.5959656	0.01590457	1	1	1073 tags=44%, list=21%, signal=55%
GO_REGULATION_OF_ESTABLISHMENT_OF_PROTEIN_LC	GO_REGULATION_OF_ESTA	25	0.48907313	1.5949805	0.02636535	1	1	228 tags=24%, list=5%, signal=26%
GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_3H_DF	GSE8921_UNSTIM_VS_TLR1	41	0.45987386	1.5949442	0.01829268	1	1	1094 tags=39%, list=22%, signal=50%
GSE13485_DAY3_VS_DAY7_YF17D_VACCINE_PBMC_UP	GSE13485_DAY3_VS_DAY7_	37	0.44042623	1.5948508	0.01147228	1	1	873 tags=41%, list=17%, signal=49%
GAUSSMANN_MLL_A4_FUSION_TARGETS_A_DN	GAUSSMANN_MLL_A4_FU	40	0.4628903	1.5948268	0.01945525	1	1	488 tags=23%, list=10%, signal=25%
GO_PROTEIN_LOCALIZATION_TO_CELL_PERIPHERY	GO_PROTEIN_LOCALIZATION	35	0.48882866	1.592867	0.02982107	1	1	1130 tags=40%, list=23%, signal=51%
GO_NEGATIVE_REGULATION_OF_PEPTIDE_SECRETION	GO_NEGATIVE_REGULATIO	26	0.50944665	1.5911849	0.01495327	1	1	951 tags=38%, list=19%, signal=47%
GSE11864_UNTREATED_VS_CSF1_IFNG_IN_MAC_UP	GSE11864_UNTREATED_VS_	34	0.48208213	1.5895617	0.01792829	1	1	979 tags=41%, list=20%, signal=51%
GRADE_COLON_AND_RECTAL_CANCER_DN	GRADE_COLON_AND_RECT	37	0.47756007	1.587464	0.01162791	1	1	989 tags=43%, list=20%, signal=54%
VSGATA2_01	VSGATA2_01	22	0.53094584	1.5868682	0.02459016	1	1	1347 tags=55%, list=27%, signal=74%
GO_CILIUM	GO_CILIUM	103	0.45076752	1.5866575	0.02982107	1	1	1029 tags=47%, list=21%, signal=57%
GO_ENERGY_RESERVE_METABOLIC_PROCESS	GO_ENERGY_RESERVE_MET	17	0.56219226	1.5861168	0.0349076	1	1	1335 tags=47%, list=27%, signal=64%
REACTOME_ABC_FAMILY_PROTEINS_MEDIATED_TRANS	REACTOME_ABC_FAMILY_P	17	0.59837955	1.5838833	0.03846154	1	1	1235 tags=59%, list=25%, signal=78%
GO_CELLULAR_COMPONENT_ASSEMBLY_INVOLVED_IN	GO_CELLULAR_COMPONENT	59	0.46762666	1.583419	0.03180914	1	1	1544 tags=58%, list=31%, signal=82%
GO_ION_CHANNEL_BINDING	GO_ION_CHANNEL_BINDIN	31	0.48698354	1.5831527	0.02367942	1	1	858 tags=35%, list=17%, signal=43%
GO_L_AMINO_ACID_TRANSPORT	GO_L_AMINO_ACID_TRANS	15	0.5527837	1.5828745	0.02574257	1	1	1057 tags=60%, list=21%, signal=76%
GO_REGULATION_OF_NOTCH_SIGNALING_PATHWAY	GO_REGULATION_OF_NOTC	29	0.4914619	1.5823324	0.01879699	1	1	975 tags=34%, list=20%, signal=43%
GSE3565_DUSP1_VS_WT_SPLENOCYTES_POST_LPS_INJIE	GSE3565_DUSP1_VS_WT_SF	31	0.4946565	1.5819172	0.03030303	1	1	268 tags=23%, list=5%, signal=24%
RODRIGUES_DCC_TARGETS_DN	RODRIGUES_DCC_TARGETS	40	0.47075045	1.5814247	0.03773585	1	1	1209 tags=52%, list=24%, signal=69%
GSE37416_CTRL_VS_3H_F_TULARENSIS_LVS_NEUTROPH	GSE37416_CTRL_VS_3H_F_T	38	0.51560473	1.5797486	0.04347826	1	1	665 tags=29%, list=13%, signal=33%
GSE17721_POLYIC_VS_PAM3CSK4_12H_BMDC_DN	GSE17721_POLYIC_VS_PAM	24	0.50501096	1.579604	0.027833	1	1	951 tags=42%, list=19%, signal=51%
GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_DN	GSE19772_CTRL_VS_HCMV_	38	0.45981166	1.5795041	0.00992064	1	1	689 tags=29%, list=14%, signal=33%
VSIK3_01	VSIK3_01	66	0.42267802	1.5781564	0.02095238	1	1	1147 tags=45%, list=23%, signal=58%
GO_SPERM_PART	GO_SPERM_PART	37	0.48255223	1.5776618	0.02669404	1	1	1011 tags=41%, list=20%, signal=50%
ZHAN_MULTIPLE_MYELOMA_LB_UP	ZHAN_MULTIPLE_MYELOM	21	0.5084406	1.5772145	0.02976191	1	1	1039 tags=48%, list=21%, signal=60%
GO_REGULATION_OF_GLUCCOSE_IMPORT	GO_REGULATION_OF_GLUCC	20	0.57742107	1.5768455	0.02788845	1	1	1587 tags=60%, list=32%, signal=88%
GO_STEROID_BINDING	GO_STEROID_BINDING	35	0.46849746	1.5763621	0.02873563	1	1	919 tags=34%, list=18%, signal=42%
GSE21380_NON_TFH_VS_GERMINAL_CENTER_TFH_CD4	GSE21380_NON_TFH_VS_GI	35	0.45517093	1.5746217	0.02653061	1	1	774 tags=34%, list=15%, signal=40%
GSE25846_IL10_POS_VS_NEG_CD84_TCELL_DAY7_POST_C	GSE25846_IL10_POS_VS_NE	34	0.4677733	1.5740587	0.02235772	1	1	1167 tags=44%, list=23%, signal=57%
GO_POSITIVE_REGULATION_OF_MITOCHONDRION_ORI	GO_POSITIVE_REGULATION	36	0.42561615	1.5723503	0.01720841	1	1	887 tags=36%, list=18%, signal=44%
GO_NEGATIVE_REGULATION_OF_AMINE_TRANSPORT	GO_NEGATIVE_REGULATIO	15	0.5792051	1.5740431	0.03214286	1	1	357 tags=27%, list=7%, signal=29%
GSE20198_UNTREATED_VS_IL12_IL18_TREATED_ACT_CD	GSE20198_UNTREATED_VS_	34	0.44911233	1.5694542	0.02515723	1	1	941 tags=32%, list=19%, signal=40%
ZHAN_MULTIPLE_MYELOMA_CD1_DN	ZHAN_MULTIPLE_MYELOM	15	0.59027076	1.5692744	0.04320988	1	1	1108 tags=47%, list=22%, signal=60%
GSE26351_UNSTIM_VS_WNT_PATHWAY_STIM_HEMATC	GSE26351_UNSTIM_VS_WN	33	0.4781232	1.5690523	0.03807615	1	1	790 tags=33%, list=16%, signal=39%
GSE10273_HIGH_VS_LOW_IL7_TREATED_IRF4_8_NULL_P	GSE10273_HIGH_VS_LOW_I	51	0.40172133	1.5680703	0	1	1	435 tags=25%, list=9%, signal=28%
GO_POSITIVE_REGULATION_OF_EMBRYONIC_DEVELOP	GO_POSITIVE_REGULATION	15	0.5805752	1.5680631	0.02534113	1	1	1697 tags=60%, list=34%, signal=91%
GO_CALCIIUM_CHANNEL_COMPLEX	GO_CALCIIUM_CHANNEL_C	19	0.5822897	1.5673982	0.03428571	1	1	1326 tags=63%, list=27%, signal=86%
VSHF1_01	VSHF1_01	85	0.3875188	1.5663751	0.0053506	1	1	954 tags=35%, list=19%, signal=43%
ENGELMANN_CANCER_PROGENITORS_UP	ENGELMANN_CANCER_PRC	24	0.5234955	1.5649241	0.03983229	1	1	1073 tags=58%, list=21%, signal=74%
GO_EMBRYONIC_DIGIT_MORPHOGENESIS	GO_EMBRYONIC_DIGIT_MC	19	0.59623915	1.5645336	0.05450734	1	1	1190 tags=58%, list=24%, signal=76%
MORF_PPKACA	MORF_PPKACA	35	0.43817428	1.5644231	0.0168421	1	1	159 tags=14%, list=3%, signal=15%
BOQUEST_STEM_CELL_CULTURED_VS_FRESH_DN	BOQUEST_STEM_CELL_CULI	23	0.6366727	1.5643576	0.05964215	1	1	1667 tags=83%, list=33%, signal=123%
GO_HORMONE_BINDING	GO_HORMONE_BINDING	22	0.57789174	1.5642471	0.04646465	1	1	1453 tags=64%, list=29%, signal=89%
DOANE_BREAST_CANCER_CLASSES_UP	DOANE_BREAST_CANCER_C	59	0.6028405	1.5641037	0.08368201	1	1	1390 tags=64%, list=28%, signal=88%
GO_REGULATION_OF_CAMP_METABOLIC_PROCESS	GO_REGULATION_OF_CAMI	52	0.43383473	1.564012	0.02234637	1	1	629 tags=27%, list=13%, signal=30%
GSE14000_UNSTIM_VS_4H_LPS_DC_TRANSLATED_RNA	GSE14000_UNSTIM_VS_4H_	20	0.52647275	1.5633115	0.02575107	1	1	1348 tags=65%, list=27%, signal=89%
GO_CALCIIUM_DEPENDENT_PHOSPHOLIPID_BINDING	GO_CALCIIUM_DEPENDENT	21	0.5165783	1.5624328	0.03262956	1	1	384 tags=33%, list=8%, signal=36%
GO_REGULATION_OF_PHOSPHOLIPID_METABOLIC_PRC	GO_REGULATION_OF_PHOS	20	0.5214535	1.5619227	0.02988048	1	1	732 tags=30%, list=15%, signal=35%
FARMER_BREAST_CANCER_APOCRINE_VS_LUMINAL	FARMER_BREAST_CANCER	173	0.37769127	1.5617304	0.0105042	0.9991254		518 tags=24%, list=10%, signal=26%
BONOME_OVARIAN_CANCER_SURVIVAL_OPTIMAL_DEB	BONOME_OVARIAN_CANCI	67	0.41172594	1.5608659	0.02574257	0.9990884		690 tags=28%, list=14%, signal=32%
GSE45365_NK_CELL_VS_CD8A_DC_DN	GSE45365_NK_CELL_VS_CDI	52	0.41591656	1.5601196	0.0270793	0.998395		1095 tags=38%, list=22%, signal=49%
GO_REGULATION_OF_GLUCCOSE_TRANSPORT	GO_REGULATION_OF_GLUCC	24	0.533878	1.5598024	0.03	0.9951284		1439 tags=46%, list=29%, signal=64%
GO_TRANSPORT_VESICLE_MEMBRANE	GO_TRANSPORT_VESICLE_A	38	0.46865854	1.5595322	0.011330799	0.9914084		780 tags=29%, list=16%, signal=34%
GO_DNA_TEMPLATED_TRANSCRIPTION_INITIATION	GO_DNA_TEMPLATED_TRAI	34	0.43807754	1.5589688	0.04132231	0.98964775		131 tags=15%, list=3%, signal=15%
GGGACCA.MIR-133A.MIR-133B	GGGACCA.MIR-133A.MIR-1	39	0.46381316	1.5589436	0.03118503	0.9843803		872 tags=36%, list=17%, signal=43%
CAIRO_HEPATOBLASTOMA_UP	CAIRO_HEPATOBLASTOMA	42	0.45408738	1.5585923	0.03256705	0.981343		957 tags=38%, list=19%, signal=47%
GO_ACTION_POTENTIAL	GO_ACTION_POTENTIAL	31	0.51808715	1.5583066	0.04253139	0.9779045		1780 tags=65%, list=36%, signal=100%
GO_BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL	GO_BRANCHING_MORPHO	53	0.44516766	1.5569102	0.0583501	0.9819355		882 tags=38%, list=18%, signal=45%
ATGTTTC.MIR-494	ATGTTTC.MIR-494	41	0.4589371	1.5560926	0.02443992	0.9822042		1257 tags=49%, list=25%, signal=65%
GSE12003_MIR223_KO_VS_WT_BM_PROGENITOR_8D_C	GSE12003_MIR223_KO_VS_	36	0.4157799	1.5556762	0.01408451	0.9797448		248 tags=19%, list=5%, signal=20%
GO_REGULATION_OF_ESTABLISHMENT_OF_PROTEIN_LC	GO_REGULATION_OF_ESTA	15	0.55508924	1.5540043	0.04251012	0.98620605		1355 tags=60%, list=27%, signal=82%
ZHAN_MULTIPLE_MYELOMA_MS_UP	ZHAN_MULTIPLE_MYELOM	26	0.536925	1.5536903	0.04208417	0.9835498		870 tags=42%, list=17%, signal=51%
GSE19888_CTRL_VS_A3R_ACTIVATION_MAST_CELL_DN	GSE19888_CTRL_VS_A3R_A	66	0.39403695	1.5531306	0.01301115	0.98102623		1145 tags=38%, list=23%, signal=48%
GO_GTPASE_BINDING	GO_GTPASE_BINDING	65	0.3769261	1.5529424	0.00601202	0.9773912		890 tags=34%, list=18%, signal=41%
GO_POSITIVE_REGULATION_OF_OXIDOREDUCTASE_AC	GO_POSITIVE_REGULATION	17	0.53796995	1.5528459	0.05485232	0.9728941		665 tags=29%, list=13%, signal=34%
LANDIS_BREAST_CANCER_PROGRESSION_DN	LANDIS_BREAST_CANCER_F	35	0.5601847	1.5503232	0.09142857	0.9848001		1512 tags=71%, list=30%, signal=102%
RODRIGUES_THYROID_CARCINOMA_POORLY_DIFFEREN	RODRIGUES_THYROID_CAR	170	0.3913964	1.5499983	0.02708333	0.9819281		1219 tags=40%, list=24%, signal=51%
UEDA_CENTRAL_CLOCK	UEDA_CENTRAL_CLOCK	27	0.4842712	1.5498015	0.03354298	0.97828305		812 tags=41%, list=16%, signal=48%
STEIN_ESR1_TARGETS	STEIN_ESR1_TARGETS	42	0.48771366	1.5491064	0.07322176	0.9777124		727 tags=43%, list=15%, signal=50%
GSE1432_IL1_VS_24H_IFNG_MICROGLIA_UP	GSE1432_IL1_VS_24H_IFNG	61	0.421211	1.5486777	0.02750491	0.9755785		728 tags=31%, list=15%, signal=36%
GNF2_LCAT	GNF2_LCAT	52	0.48323146	1.5473365	0.03377111	0.97963136		1335 tags=44%, list=27%, signal=60%
MEK_UP_VL_DN	MEK_UP_VL							



GSE9601_NFKB_INHIBITOR_VS_P3K_INHIBITOR_TREAT	GSE9601_NFKB_INHIBITOR_	33	0.45133796	1.5355353	0.03018109	0.97676516	1	1181	tags=36%, list=24%, signal=47%
GSE14308_NAIVE_CD4_TCELL_VS_INDUCED_TREG_UP	GSE14308_NAIVE_CD4_TCEI	36	0.46107557	1.5348685	0.04042553	0.9767361	1	1011	tags=36%, list=20%, signal=45%
GO_PROSTATE_GLAND_DEVELOPMENT	GO_PROSTATE_GLAND_DEV	22	0.46719077	1.5323261	0.03269231	0.9884801	1	876	tags=36%, list=18%, signal=44%
GSE27786_BCELL_VS_NKCELL_DN	GSE27786_BCELL_VS_NKCEI	41	0.44329485	1.5314881	0.02886598	0.98928154	1	891	tags=32%, list=18%, signal=38%
GO_REGULATION_OF_MYOTUBE_DIFFERENTIATION	GO_REGULATION_OF_MYO	18	0.49060374	1.5312958	0.03152364	0.9859792	1	619	tags=28%, list=12%, signal=32%
CAGCGGCTMIR-504	CAGCGGCTMIR-504	19	0.51262325	1.5308979	0.05144033	0.98406464	1	954	tags=32%, list=19%, signal=39%
GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_DC_UP	GSE360_HIGH_VS_LOW_DO	54	0.42164573	1.5296164	0.03155819	0.98808473	1	862	tags=39%, list=17%, signal=46%
GSE2770_TGFB_AND_IL4_VS_TGFB_AND_IL12_TREATED	GSE2770_TGFB_AND_IL4_V	61	0.3776413	1.5294199	0.025	0.9849505	1	379	tags=21%, list=8%, signal=23%
GO_REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PR	GO_REGULATION_OF_EPIT	20	0.5501093	1.5285783	0.05314961	0.98595476	1	1395	tags=60%, list=28%, signal=83%
GO_CELL_PART_MORPHOGENESIS	GO_CELL_PART_MORPHOGE	194	0.3555834	1.5279204	0.01930502	0.98580223	1	1028	tags=33%, list=21%, signal=40%
WANG_CLIM2_TARGETS_UP	WANG_CLIM2_TARGETS_UP	58	0.41453955	1.5278187	0.03830645	0.98200107	1	1327	tags=45%, list=27%, signal=60%
KERLEY_RESPONSE_TO_CISPLATIN_UP	KERLEY_RESPONSE_TO_CIS	22	0.56022537	1.5276375	0.04942966	0.97887456	1	588	tags=36%, list=12%, signal=41%
GSE11961_MEMORY_BCELL_DAY7_VS_PLASMA_CELL_D	GSE11961_MEMORY_BCELL	63	0.3925111	1.527244	0.022103251	0.9771492	1	1042	tags=37%, list=21%, signal=46%
EGFR_UP_V1_DN	EGFR_UP_V1_DN	105	0.39272398	1.5267746	0.04609219	0.97604054	1	1119	tags=35%, list=22%, signal=44%
GO_NEURON_PROJECTION_EXTENSION	GO_NEURON_PROJECTION	16	0.5864156	1.5250262	0.06444906	0.9832746	1	918	tags=56%, list=18%, signal=69%
GSE32986_CURDLAN_HIGHDOSE_VS_GMCSF_AND_CUF	GSE32986_CURDLAN_HIGH	46	0.42512634	1.5247976	0.04831933	0.98048586	1	764	tags=28%, list=15%, signal=33%
GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LIN	GSE16450_IMMATURE_VS_	75	0.39210877	1.5237975	0.01908397	0.9827556	1	714	tags=25%, list=14%, signal=29%
VSRFX1_02	VSRFX1_02	65	0.40193385	1.5237112	0.01590457	0.9790107	1	1367	tags=45%, list=27%, signal=61%
GSE6875_TCONV_VS_FOXP3_KO_TREG_DN	GSE6875_TCONV_VS_FOXP	39	0.43407604	1.522906	0.02794411	0.97996813	1	1189	tags=41%, list=24%, signal=53%
GSE39022_LN_VS_SPLEEN_CD_CN	GSE39022_LN_VS_SPLEEN_C	32	0.46959085	1.5222701	0.03512397	0.97943836	1	1195	tags=44%, list=24%, signal=57%
MIKKELSEN_MEF_ICP_WITH_H3K4ME3_AND_H3K27ME3	MIKKELSEN_MEF_ICP_WITH	23	0.50509465	1.5215582	0.03508772	0.97960097	1	1616	tags=61%, list=32%, signal=90%
GSE14308_TH2_VS_NATURAL_TREG_DN	GSE14308_TH2_VS_NATUR	37	0.43114483	1.5190567	0.02539603	0.99169564	1	1032	tags=41%, list=21%, signal=51%
GACAATC_MIR-219	GACAATC_MIR-219	35	0.43671483	1.518375	0.038	0.99191046	1	877	tags=23%, list=18%, signal=28%
CHRXQ22	CHRXQ22	28	0.5244031	1.5177723	0.08148148	0.9915299	1	784	tags=43%, list=16%, signal=51%
GO_AXONEME_ASSEMBLY	GO_AXONEME_ASSEMBLY	21	0.6352476	1.5177456	0.06896552	0.9875767	1	937	tags=57%, list=19%, signal=70%
GO_REGULATED_EXOCYTOSIS	GO_REGULATED_EXOCYTO	80	0.39951184	1.5169319	0.03481625	0.9887035	1	1383	tags=44%, list=28%, signal=60%
GSE27786_CD4_VS_CD8_TCELL_DN	GSE27786_CD4_VS_CD8_T	38	0.4164561	1.5165249	0.03598485	0.9872657	1	411	tags=21%, list=8%, signal=23%
GSE11864_CSF1_VS_CSF1_IFNG_IN_MAC_IP	GSE11864_CSF1_VS_CSF1_I	42	0.4387171	1.5163311	0.03757829	0.98443085	1	1092	tags=40%, list=22%, signal=51%
LI_WILMS_TUMOR_VS_FETAL_KIDNEY_2_DN	LI_WILMS_TUMOR_VS_FETA	33	0.48094532	1.5161412	0.08118812	0.9815617	1	1163	tags=45%, list=23%, signal=59%
CHIANG_LIVER_CANCER_SUBCLASS_PROLIFERATION_D	CHIANG_LIVER_CANCER_SL	76	0.41834232	1.5160872	0.03238095	0.97787756	1	1801	tags=61%, list=36%, signal=93%
GO_TRANSMISSION_OF_NERVE_IMPULSE	GO_TRANSMISSION_OF_NE	15	0.59860086	1.5158328	0.05405406	0.97547835	1	1797	tags=80%, list=36%, signal=125%
GO_INTRACELLULAR_PROTEIN_TRANSPORT	GO_INTRACELLULAR_PROTI	104	0.36144003	1.5155652	0.00972763	0.97318196	1	1442	tags=40%, list=29%, signal=56%
BONOME_OVARIAN_CANCER_SURVIVAL_SUOPTIMAL	BONOME_OVARIAN_CANCI	132	0.39713746	1.515478	0.058	0.9697281	1	1190	tags=41%, list=24%, signal=52%
GO_POSITIVE_REGULATION_OF_CYCLIC_NUCLEOTIDE_A	GO_POSITIVE_REGULATION	41	0.43326995	1.5139515	0.03868472	0.9753444	1	629	tags=27%, list=13%, signal=30%
GO_TERMINAL_BOUTON	GO_TERMINAL_BOUTON	18	0.50311715	1.5138507	0.04424779	0.97205657	1	511	tags=33%, list=10%, signal=37%
GO_DEVELOPMENTAL_CELL_GROWTH	GO_DEVELOPMENTAL_CELL	25	0.4910988	1.5138183	0.06336634	0.968833	1	634	tags=36%, list=13%, signal=41%
GO_SPECIFICATION_OF_SYMMETRY	GO_SPECIFICATION_OF_SY	36	0.44924793	1.5120862	0.04462475	0.97534734	1	848	tags=36%, list=17%, signal=43%
GO_EXOCYTIC_VESICLE	GO_EXOCYTIC_VESICLE	37	0.44832218	1.5115099	0.03598485	0.9749896	1	515	tags=27%, list=10%, signal=30%
DUTERTE_ESTRADIOL_RESPONSE_6HR_UP	DUTERTE_ESTRADIOL_RES	105	0.42483532	1.5114958	0.06483301	0.9712016	1	934	tags=43%, list=19%, signal=52%
SENGUPTA_NASOPHARYNGEAL_CARCINOMA_DN	SENGUPTA_NASOPHARYNC	190	0.40058535	1.5110923	0.06792453	0.9698269	1	1105	tags=41%, list=22%, signal=50%
GO_SMALL_GTPASE_MEDIATED_SIGNAL_TRANSDUCTIO	GO_SMALL_GTPASE_MEDIA	96	0.35356814	1.5110418	0.00204499	0.9662596	1	941	tags=29%, list=19%, signal=35%
ZHU_CMV_8_HR_DN	ZHU_CMV_8_HR_DN	21	0.52450943	1.5107427	0.0617284	0.96436757	1	770	tags=38%, list=15%, signal=45%
HILLION_HMGAI1_TARGETS	HILLION_HMGAI1_TARGETS	31	0.4613577	1.5105244	0.04426559	0.9620498	1	1291	tags=39%, list=26%, signal=52%
GO_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS	GO_RESPONSE_TO_ENDOPI	35	0.43014818	1.5097587	0.0331263	0.96262336	1	887	tags=31%, list=18%, signal=38%
GNF2_HP_X	GNF2_HP_X	54	0.46949157	1.509443	0.06203008	0.9608158	1	1335	tags=41%, list=27%, signal=55%
GO_CALCIUM_ION_REGULATED_EXOCYTOSIS	GO_CALCIUM_ION_REGULA	24	0.5078628	1.5083821	0.04798465	0.9635975	1	1486	tags=58%, list=30%, signal=83%
BERNARD_PPAPDC18_TARGETS_DN	BERNARD_PPAPDC18_TARC	27	0.46837558	1.508126	0.04961832	0.96136594	1	1413	tags=48%, list=28%, signal=67%
GSE13306_TREG_VS_TCONV_SPLEEN_UP	GSE13306_TREG_VS_TCON	65	0.4130165	1.5079219	0.03488372	0.9588461	1	773	tags=31%, list=15%, signal=36%
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_5	CREIGHTON_ENDOCRINE_T	153	0.45766535	1.5070015	0.06263048	0.9608097	1	1209	tags=42%, list=24%, signal=54%
GNF2_GSTM1	GNF2_GSTM1	46	0.48751205	1.5069461	0.05566219	0.9575257	1	1335	tags=48%, list=27%, signal=65%
GSE24102_GRANULOCYSTITIC_MDC_VS_NEUTROPHIL_U	GSE24102_GRANULOCYSTR	45	0.43722725	1.5060194	0.05307856	0.9594885	1	804	tags=31%, list=16%, signal=37%
GSE32986_GMCSF_VS_GMCSF_AND_CURDLAN_HIGHDO	GSE32986_GMCSF_VS_GMC	50	0.42292142	1.5056516	0.05316974	0.95829934	1	870	tags=34%, list=17%, signal=41%
CHR14Q32	CHR14Q32	28	0.5292242	1.5049648	0.08687259	0.95890677	1	620	tags=29%, list=12%, signal=32%
GSE10240_CTRL_VS_IL22_STIM_PRIMARY_BRONCHIAL_E	GSE10240_CTRL_VS_IL22_S	52	0.43231803	1.5043136	0.05172414	0.9592305	1	1040	tags=38%, list=21%, signal=46%
GO_NEURON_PROJECTION_MEMBRANE	GO_NEURON_PROJECTION	20	0.5305768	1.5041554	0.06177606	0.95661473	1	1544	tags=60%, list=31%, signal=86%
GSE23984_CTRL_VS_HYPOCALEMIC_VITAMIND_ANALO	GSE23984_CTRL_VS_HYPOC	66	0.41901994	1.5040665	0.03519669	0.95361066	1	822	tags=33%, list=16%, signal=39%
VSHIF1_01	VSHIF1_01	22	0.488327	1.5034615	0.05633803	0.9539452	1	822	tags=36%, list=16%, signal=43%
GSE37301_PRO_BCELL_VS_GRANULOCYTE_MONOCYTE	GSE37301_PRO_BCELL_VS_C	55	0.4206439	1.5031121	0.03807615	0.9524026	1	1082	tags=40%, list=22%, signal=50%
GTGYNMNNRGCARM_UNKNOW	GTGYNMNNRGCARM_UNI	27	0.44939092	1.5027463	0.04330709	0.9510791	1	486	tags=30%, list=10%, signal=33%
GGGNRMNNYCAT_UNKNOW	GGGNRMNNYCAT_UNKNO	21	0.5477224	1.5017654	0.06952965	0.95355576	1	893	tags=48%, list=18%, signal=58%
GSE24671_CTRL_VS_BAKIMUL_INFECTED_MOUSE_SPLI	GSE24671_CTRL_VS_BAKIM	67	0.44000512	1.501544	0.05567011	0.95141804	1	1297	tags=43%, list=26%, signal=58%
GSE7548_NAIVE_VS_DAY7_PCC_IMMUNIZATION_CD4_I	GSE7548_NAIVE_VS_DAY7	35	0.42305857	1.5011716	0.03821656	0.9502787	1	877	tags=37%, list=18%, signal=45%
GO_MULTICELLULAR_ORGANISM_PROCESS	GO_MULTICELLULAR_ORG	96	0.38478482	1.5007411	0.02777778	0.9494947	1	1060	tags=31%, list=21%, signal=39%
GO_REGULATION_OF_MULTICELLULAR_ORGANISM_GRI	GO_REGULATION_OF_MULT	22	0.5199533	1.5004026	0.04296875	0.94809496	1	1039	tags=45%, list=21%, signal=57%
GO_MOTILE_CILIUM	GO_MOTILE_CILIUM	33	0.5120222	1.5002077	0.07261411	0.94580483	1	1272	tags=55%, list=25%, signal=73%
GSE5589_IL6_KO_VS_IL10_KO_LPS_AND_IL10_STIM_M	GSE5589_IL6_KO_VS_IL10_K	38	0.44843057	1.5001165	0.05613306	0.94292045	1	1473	tags=50%, list=29%, signal=70%
GO_NEURON_SPINE	GO_NEURON_SPINE	37	0.4627907	1.4991853	0.04914934	0.94511896	1	1702	tags=57%, list=34%, signal=78%
GO_PIGMENT_GRANULE	GO_PIGMENT_GRANULE	21	0.48309484	1.4983177	0.04329897	0.94689703	1	413	tags=29%, list=8%, signal=31%
GSE6259_33D1_POS_VS_DEC205_POS_SPLEEN_CD_CN	GSE6259_33D1_POS_VS_DE	67	0.3969632	1.498696	0.02390438	0.9523267	1	918	tags=31%, list=18%, signal=38%
GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_6H	GSE2770_IL12_AND_TGFB_	68	0.40126702	1.4964722	0.01596806	0.95146835	1	1049	tags=41%, list=21%, signal=51%
GSE2197_CPG_DNA_VS_UNTREATED_IN_CD_CN	GSE2197_CPG_DNA_VS_UN	36	0.41521293	1.49584	0.03219316	0.951831	1	764	tags=39%, list=15%, signal=46%
ROADWELL_AGING_KIDNEY_NO_BLOOD_DN	ROADWELL_AGING_KIDNEY_J	52	0.44679713	1.4957218	0.02970297	0.9491742	1	1563	tags=54%, list=31%, signal=78%
GSE7460_WT_VS_FOXP3_HET_ACT_TCONV_UP	GSE7460_WT_VS_FOXP3_HE	50	0.41225317	1.4951427	0.03118503	0.9494335	1	1364	tags=44%, list=27%, signal=60%
GSE369_SOCS3_KO_VS_WT_LIVER_DN	GSE369_SOCS3_KO_VS_WT	32	0.46683523	1.4932363	0.04918033	0.9575752	1	1529	tags=56%, list=31%, signal=81%
MODULE_43	MODULE_43	28	0.50146484	1.4929986	0.07170542	0.9555312	1	573	tags=29%, list=11%, signal=32%
GSE41176_WT_VS_TAK1_KO_ANTI_IJM_STIM_BCELL_3H	GSE41176_WT_VS_TAK1_KC	51	0.42755288	1.4910184	0.06851852	0.96419114	1	1179	tags=47%, list=24%, signal=61%
GO_SODIUM_ION_TRANSPORT	GO_SODIUM_ION_TRANSP	40	0.43882766	1.489273	0.03571429	0.97106695	1	682	tags=28%, list=14%, signal=32%
RUIZ_TNC_TARGETS_UP	RUIZ_TNC_TARGETS_UP	64	0.44682062	1.4886998	0.08024691	0.97130936	1	1210	tags=50%, list=24%, signal=65%
GO_REGULATION_OF_HORMONE_SECRETION	GO_REGULATION_OF_HORI	105	0.3719856	1.4886031	0.02762431	0.9685173	1	951	tags=31%, list=19%, signal=38%
GO_REGULATION_OF_PEPTIDE_TRANSPORT	GO_REGULATION_OF_PEP	99	0.3758343	1.4885654	0.02209945	0.9654702	1	951	tags=30%, list=19%, signal=37%
KONDO_PROSTATE_CANCER_HCP_WITH_H3K27ME3	KONDO_PROSTATE_CANCE	35	0.43185627	1.4884481	0.04222669	0.96286714	1	1038	tags=40%, list=21%, signal=50%
GSE6092_IFNG_AND_B_BURGDORFERI_INF_EN	GSE6092_IFNG_VS_IFNG_A	40	0.45025128	1.4884108	0.05809129	0.9598853	1	793	tags=35%, list=16%, signal=41%
GO_OVULATION_CYCLE_PROCESS	GO_OVULATION_CYCLE_PR	36							

GGCCAGT.MIR-193A.MIR-193B	GGCCAGT.MIR-193A.MIR-1	21	0.47466743	1.476683	0.06262627	0.9488011	1	521 tags=29%, list=10%, signal=32%
GSE26495_NAIVE_VS_PD1LOW_CD8_TCELL_UP	GSE26495_NAIVE_VS_PD1L	57	0.3894864	1.475836	0.04288499	0.9507296	1	1047 tags=37%, list=21%, signal=46%
GSE339_CD4POS_VS_CD8POS_CD_CN	GSE339_CD4POS_VS_CD8P	40	0.41210434	1.4747218	0.03688525	0.95450306	1	494 tags=30%, list=10%, signal=33%
GO_NEGATIVE_REGULATION_OF_FAT_CELL_DIFFERENTIATION	GO_NEGATIVE_REGULATION	18	0.5191692	1.4734634	0.08456659	0.9580408	1	1190 tags=61%, list=24%, signal=80%
GSE5589_WT_VS_IL10_KO_LPS_AND_IL10_STIM_MACRO	GSE5589_WT_VS_IL10_KO_L	45	0.37541896	1.4734186	0.03571429	0.95636547	1	1082 tags=42%, list=22%, signal=53%
VALK_AML_CLUSTER_13	VALK_AML_CLUSTER_13	17	0.49736592	1.4733982	0.05113636	0.9535682	1	1162 tags=47%, list=23%, signal=61%
GO_REGULATION_OF_CYCLIC_NUCLEOTIDE_METABOLISM	GO_REGULATION_OF_CYCU	57	0.39174622	1.4730732	0.03896104	0.9524934	1	629 tags=25%, list=13%, signal=21%
VSYPX8_B	VSYPX8_B	36	0.45107907	1.4727119	0.05283757	0.9516675	1	1145 tags=39%, list=23%, signal=50%
GO_CILIARY_PLASM	GO_CILIARY_PLASM	21	0.5693885	1.472454	0.08906882	0.95027375	1	1252 tags=67%, list=25%, signal=89%
GO_REGULATION_OF_ORGANIC_ACID_TRANSPORT	GO_REGULATION_OF_ORG	21	0.4706953	1.4705274	0.05524862	0.9585964	1	839 tags=29%, list=17%, signal=34%
GSE14386_UNTREATED_VS_IFNA_TREATED_ACT_PBMC	GSE14386_UNTREATED_VS	43	0.41741398	1.4704962	0.04007633	0.95588183	1	1514 tags=49%, list=30%, signal=69%
GO_POSITIVE_REGULATION_OF_INTRACELLULAR_PROTI	GO_POSITIVE_REGULATION	69	0.4004263	1.4696968	0.03505155	0.95759463	1	1017 tags=33%, list=20%, signal=41%
GSE45365_CTRL_VS_MCMV_INFECTION_NK_CELL_UP	GSE45365_CTRL_VS_MCMV	44	0.40259174	1.4688294	0.02509653	0.955831	1	1805 tags=59%, list=36%, signal=92%
GSE21927_SPLEEN_MONOCYTE_VS_GMCSF_GCSF_BON	GSE21927_SPLEEN_MONOC	43	0.44287804	1.4682797	0.05633803	0.96012706	1	1012 tags=37%, list=20%, signal=46%
ATGTAGC.MIR-221.MIR-222	ATGTAGC.MIR-221.MIR-222	31	0.439616	1.4676324	0.0513347	0.96103036	1	854 tags=35%, list=17%, signal=43%
IZADPANAH_STEM_CELL_ADIPOSE_VS_BONE_DN	IZADPANAH_STEM_CELL_AI	56	0.44563198	1.4674815	0.09979633	0.95905185	1	1023 tags=46%, list=20%, signal=58%
GSE20727_DNFB_ALLERGEN_VS_ROS_INH_AND_DNFB	GSE20727_DNFB_ALLERGEN	64	0.38672814	1.4666048	0.03667954	0.96433175	1	520 tags=23%, list=10%, signal=26%
GO_MAMMARY_GLAND_EPITHELIUM_DEVELOPMENT	GO_MAMMARY_GLAND_EP	25	0.4861944	1.4666125	0.06365503	0.96174246	1	876 tags=44%, list=18%, signal=53%
GO_CELLULAR_AMINO_ACID_CATABOLIC_PROCESS	GO_CELLULAR_AMINO_ACII	36	0.4274828	1.4640777	0.04823748	0.9701115	1	599 tags=28%, list=12%, signal=31%
GO_INSULIN_LIKE_GROWTH_FACTOR_BINDING	GO_INSULIN_LIKE_GROWTH	16	0.5642898	1.4627299	0.09426229	0.9752598	1	1572 tags=75%, list=31%, signal=109%
GO_TRANSPORT_VESICLE	GO_TRANSPORT_VESICLE	86	0.38469598	1.4626628	0.03861004	0.97269446	1	995 tags=30%, list=20%, signal=37%
GO_OVARIAN_FOLLICILE_DEVELOPMENT	GO_OVARIAN_FOLLICILE_DE	23	0.42888308	1.4626547	0.04313726	0.9699015	1	793 tags=35%, list=16%, signal=41%
ESC_J1_UP_EARLY_V1_UP	ESC_J1_UP_EARLY_V1_UP	71	0.3742756	1.4623388	0.03455285	0.9689206	1	1042 tags=38%, list=21%, signal=47%
GSE27786_CD4_TCELL_VS_NKCELL_UP	GSE27786_CD4_TCELL_VS_N	42	0.40407965	1.4616605	0.04909091	0.9701375	1	1304 tags=43%, list=26%, signal=57%
GSE17721_CTRL_VS_LPS_6H_BMDC_UP	GSE17721_CTRL_VS_LPS_6H	4	0.40269026	1.4611996	0.04285714	0.96990657	1	728 tags=29%, list=15%, signal=34%
REACTOME_SIGNALING_BY_NGF	REACTOME_SIGNALING_B	42	0.40798992	1.4603233	0.03030303	0.9721202	1	690 tags=26%, list=14%, signal=30%
GO_PRESYNAPTIC_PROCESS_INVOLVED_IN_SYNAPTIC	GO_PRESYNAPTIC_PROCESS	34	0.46182948	1.4600923	0.05444646	0.9706948	1	1508 tags=56%, list=30%, signal=79%
GSE6092_B_BURGDORFERL_VS_B_BURGDORFERL_AND_IFI	GSE6092_B_BURGDORFERL	33	0.42389977	1.4597034	0.06060606	0.9700557	1	922 tags=39%, list=18%, signal=48%
GO_CHANNEL_INHIBITOR_ACTIVITY	GO_CHANNEL_INHIBITOR_A	16	0.49432327	1.4592328	0.06525911	0.96997416	1	297 tags=31%, list=6%, signal=33%
GNF2_HFN	GNF2_HFN	57	0.4466259	1.457261	0.07765152	0.9783856	1	1335 tags=42%, list=27%, signal=57%
GSE6259_33D1_POS_VS_DEC205_POS_FLT3L_INDUCED	GSE6259_33D1_POS_VS_DE	38	0.42090452	1.4569915	0.05088063	0.97728926	1	1102 tags=39%, list=22%, signal=50%
DOANE_RESPONSE_TO_ANDROGEN_DN	DOANE_RESPONSE_TO_ANI	87	0.36283943	1.4569615	0.0504386	0.97464126	1	970 tags=31%, list=19%, signal=38%
VSHNF4_Q6	VSHNF4_Q6	85	0.3649158	1.4560294	0.05243446	0.97710544	1	643 tags=20%, list=13%, signal=23%
GO_REGULATION_OF_MEMBRANE_DEPOLARIZATION	GO_REGULATION_OF_MEM	18	0.50223446	1.4556306	0.06470589	0.9766628	1	1206 tags=44%, list=24%, signal=58%
HENDRICKS_SMARCA4_TARGETS_DN	HENDRICKS_SMARCA4_TAF	15	0.5333189	1.4545529	0.09583333	0.9799856	1	1039 tags=47%, list=21%, signal=59%
GSE22228_UNTREATED_VS_UMINOSUPP_THERAPY_R	GSE22228_UNTREATED_VS	58	0.38224432	1.45389	0.03427419	0.98052055	1	874 tags=34%, list=17%, signal=41%
GO_REGULATION_OF_EXCRETION	GO_REGULATION_OF_EXCR	16	0.50584954	1.4524858	0.06972112	0.9826261	1	577 tags=25%, list=12%, signal=28%
MODULE_284	MODULE_284	15	0.4907731	1.4517938	0.06616257	0.9872686	1	218 tags=20%, list=4%, signal=21%
GSE9037_WT_VS_IRAK4_KO_BMDC_UP	GSE9037_WT_VS_IRAK4_KO	46	0.4405359	1.451365	0.06007752	0.9869902	1	734 tags=33%, list=15%, signal=38%
MIKKELSEN_ES_JCP_WITH_H3K4ME3	MIKKELSEN_ES_JCP_WITH_H	216	0.32581165	1.4513451	0.02702703	0.98434776	1	1204 tags=34%, list=24%, signal=43%
WAKABAYASHI_ADIPOGENESIS_PPARG_RXRA_BOUND_BOQUEST_STEM_CELL_UP	WAKABAYASHI_ADIPOGENI	25	0.50487953	1.4509871	0.07535642	0.9836952	1	1448 tags=68%, list=29%, signal=95%
BOQUEST_STEM_CELL_UP	BOQUEST_STEM_CELL_UP	174	0.4764098	1.4509475	0.15944882	0.9811548	1	1769 tags=64%, list=35%, signal=95%
GSE17721_CTRL_VS_PAM3CSK4_1H_BMDC_UP	GSE17721_CTRL_VS_PAM3C	23	0.49453123	1.4508954	0.07327586	0.97875214	1	957 tags=39%, list=19%, signal=48%
GSE26928_EFF_MEM_VS_CENTR_MEM_CD4_TCELL_DN	GSE26928_EFF_MEM_VS_CE	42	0.40273745	1.4501894	0.06464647	0.9801776	1	1059 tags=36%, list=21%, signal=45%
GSE20715_WT_VS_TLR4_KO_LUNG_DN	GSE20715_WT_VS_TLR4_KO	53	0.3784945	1.4501681	0.05749487	0.9775798	1	927 tags=30%, list=19%, signal=37%
GO_REGULATION_OF_HORMONE_LEVELS	GO_REGULATION_OF_HORI	195	0.3390345	1.4491513	0.03886926	0.9806059	1	922 tags=28%, list=18%, signal=33%
GSE27786_NKCELL_VS_NEUTROPHIL_DN	GSE27786_NKCELL_VS_NEI	54	0.3762923	1.4483665	0.04117647	0.9824311	1	790 tags=31%, list=16%, signal=37%
GSE21927_SPLENIC_C26GM_TUMOROUS_VS_BONE_MA	GSE21927_SPLENIC_C26GM	53	0.3696811	1.4480858	0.04133858	0.9815153	1	1287 tags=38%, list=26%, signal=50%
GO_REGULATION_OF_ERBB_SIGNALING_PATHWAY	GO_REGULATION_OF_ERBB	26	0.4969797	1.4475223	0.06876228	0.98197883	1	888 tags=31%, list=18%, signal=37%
RAMASWAMY_METASTASIS_DN	RAMASWAMY_METASTASIS	23	0.4577949	1.446934	0.06490872	0.9824822	1	545 tags=30%, list=11%, signal=34%
LEE_METASTASIS_AND_ALTERNATIVE_SPLICING_DN	LEE_METASTASIS_AND_ALT	15	0.49075917	1.4466671	0.06262231	0.98128897	1	306 tags=20%, list=6%, signal=21%
GSE11961_MEMORY_BCELL_DAV7_VS_MEMORY_BCELL	GSE11961_MEMORY_BCELL	51	0.36261892	1.4462013	0.03346457	0.98127246	1	327 tags=22%, list=7%, signal=23%
GO_SMAP3_PROTEIN_SIGNAL_TRANSDUCTION	GO_SMAP3_PROTEIN_SIGNA	25	0.46658534	1.4461592	0.09124767	0.97884995	1	1696 tags=56%, list=34%, signal=84%
GSE11864_UNTREATED_VS_CSFI_IFNG_PAM3CSK3V_IN_M	GSE11864_UNTREATED_VS	30	0.4073088	1.4457401	0.05653022	0.9783867	1	444 tags=27%, list=9%, signal=29%
GSE27786_LSK_VS_NKCELL_UP	GSE27786_LSK_VS_NKCELL	38	0.37109217	1.4455876	0.02656546	0.9766399	1	404 tags=21%, list=8%, signal=23%
GSE11961_FOLLICULAR_BCELL_VS_MEMORY_BCELL_DA	GSE11961_FOLLICULAR_BCF	41	0.39703643	1.4450629	0.0438247	0.97689223	1	744 tags=27%, list=15%, signal=31%
WESTON_VEGFA_TARGETS_6HR	WESTON_VEGFA_TARGETS	46	0.47916526	1.4447877	0.13147411	0.97586757	1	905 tags=35%, list=18%, signal=42%
GSE11924_TH1_VS_TH17_CD4_TCELL_DN	GSE11924_TH1_VS_TH17_C	35	0.4324459	1.444691	0.07751938	0.9738004	1	1085 tags=34%, list=22%, signal=43%
NING_CHRONIC_OBSTRUCTIVE_PULMONARY_DISEASE	NING_CHRONIC_OBSTRUCTI	26	0.49718878	1.4445479	0.11717172	0.9720489	1	1181 tags=42%, list=24%, signal=55%
GO_POST_EMBRYONIC_DEVELOPMENT	GO_POST_EMBRYONIC_DEV	28	0.44848	1.4442884	0.05894737	0.97089326	1	876 tags=43%, list=18%, signal=52%
VSE47_02	VSE47_02	85	0.3641664	1.4441706	0.05660377	0.9689596	1	1343 tags=38%, list=27%, signal=51%
CERVERA_SDHB_TARGETS_1_UP	CERVERA_SDHB_TARGETS_1	69	0.4014928	1.4432354	0.08203125	0.9715928	1	941 tags=36%, list=19%, signal=44%
GO_ACTIN_FILAMENT_ORGANIZATION	GO_ACTIN_FILAMENT_ORG	41	0.39015776	1.4430143	0.04264392	0.9702955	1	576 tags=24%, list=12%, signal=27%
GSE360_CTRL_VS_B_MALAY_HIGH_DOSE_MAC_UP	GSE360_CTRL_VS_B_MALAY	37	0.40716344	1.4419705	0.0501002	0.97379833	1	718 tags=38%, list=14%, signal=44%
GO_REGULATION_OF_CELLULAR_EXTRAVASATION	GO_REGULATION_OF_CELL	16	0.57463837	1.4417609	0.10040984	0.97237873	1	678 tags=25%, list=14%, signal=29%
INGRAM_SHH_TARGETS_UP	INGRAM_SHH_TARGETS_UP	52	0.40720877	1.4417008	0.10956176	0.97023237	1	736 tags=37%, list=15%, signal=42%
GSE40274_FOXP3_VS_FOXP3_AND_HELIOS_TRANSDUC	GSE40274_FOXP3_VS_FOXP	51	0.38953012	1.4405822	0.05048544	0.9740664	1	1472 tags=53%, list=29%, signal=74%
GO_VESICLE_LOCALIZATION	GO_VESICLE_LOCALIZATION	46	0.40971622	1.4402294	0.03629764	0.9734728	1	1319 tags=41%, list=26%, signal=56%
GTACTG.MIR-101	GTACTG.MIR-101	65	0.39092782	1.4400693	0.06367041	0.9718555	1	1054 tags=38%, list=21%, signal=48%
GSE13484_UNSTIM_VS_3H_YF17D_VACCINE_STIM_PBM	GSE13484_UNSTIM_VS_3H	30	0.44966888	1.4386994	0.07569721	0.9769496	1	778 tags=37%, list=16%, signal=43%
GSE39864_WT_VS_GATA3_KO_TREG_DN	GSE39864_WT_VS_GATA3_#	28	0.44679365	1.4382066	0.07157058	0.9771454	1	919 tags=43%, list=18%, signal=52%
GO_REGULATION_OF_ADENYLATE_CYCLASE_ACTIVITY	GO_REGULATION_OF_ADEN	25	0.46684358	1.4375721	0.08190476	0.9781617	1	1419 tags=52%, list=28%, signal=72%
GSE8621_UNSTIM_VS_LPS_PRIMED_AND_LPS_STIM_MA	GSE8621_UNSTIM_VS_LPS_J	43	0.33396337	1.436546	0.07341227	0.9813771	1	681 tags=26%, list=14%, signal=29%
GSE18791_UNSTIM_VS_NEWCASTLE_VIRUS_DC_1H_UP	GSE18791_UNSTIM_VS_NEV	58	0.37880635	1.4358209	0.03780719	0.9830039	1	1269 tags=31%, list=25%, signal=41%
TBKL.DN.4HRS.DN	TBKL.DN.4HRS.DN	15	0.519133	1.4352939	0.10290828	0.98334765	1	72 tags=20%, list=1%, signal=20%
GSE25123_WT_VS_PPARG_KO_MACROPHAGE_IL4_AND	GSE25123_WT_VS_PPARG_#	44	0.43175587	1.4345162	0.07910751	0.9852365	1	882 tags=34%, list=18%, signal=41%
GSE10325_CD4_TCELL_VS_LUPUS_CD4_TCELL_UP	GSE10325_CD4_TCELL_VS_L	54	0.38430002	1.4342602	0.07172996	0.98421353	1	1118 tags=35%, list=22%, signal=45%
GSE3982_MAST_CELL_VS_TH1_UP	GSE3982_MAST_CELL_VS_TH	47	0.40145904	1.4341123	0.05242718	0.9825264	1	632 tags=26%, list=13%, signal=29%
GO_REGULATION_OF REGULATED_SECRETORY_PATHW	GO_REGULATION_OF_REGU	38	0.3944796	1.4340761	0.03571429	0.9802929	1	384 tags=21%, list=8%, signal=23%
GTGCCAA.MIR-96	GTGCCAA.MIR-96	81	0.36663464	1.4336771	0.05180855	0.98003495	1	556 tags=21%, list=11%, signal=23%
GO_NEGATIVE_REGULATION_OF_MYELOID_LEUKOCY	GO_NEGATIVE_REGULATIO	15	0.5073854	1.4330683	0.09090909	0.9810266	1	1130 tags=47%, list=23%, signal=60%
GO_EXOCYTOSIS	GO_EXOCYTOSIS	98	0.36095455	1.4325548	0.04887218	0.9814071	1	1383 tags=39%, list=28%, signal=53%
GSE17721_POLYIC_VS_CPG_2H_BMDC_UP	GSE17721_POLYIC_VS_CPG	25	0.41634762	1.4320298	0.05088063	0.9820202	1	1049 tags=44%, list=21%, signal=55%
GSE17721_CPG_VS_GARDIQUIMOD_2H_BMDC_DN	GSE17721_CPG_VS_GARDIC	27	0.43312725	1.4317951	0.0712831	0.9800773	1	442 tags=26%, list=9%, signal=28%
MIKKELSEN_MCV6_JCP_WITH_H3K4ME3_AND_H3K27M	MIKKELSEN_MCV6_JCP_WIT	15	0.52032095	1.4312328	0.09386973	0.9817003	1	1593 tags=67%, list=32%, signal=98%
TCACTC.MIR-143								

AAGCACA_MIR-218	AAGCACA_MIR-218	112	0.35349226	1.417005	0.06238185	1	1	1458	tags=42%, list=29%, signal=58%
GSE30971_2H_VS_4H_LPS_STIM_MACROPHAGE_WBP7	GSE30971_2H_VS_4H_LPS_5	60	0.5791337	1.4166375	0.05714286	1	1	996	tags=33%, list=20%, signal=41%
GSE22886_NAIVE_CD4_TCELL_VS_48H_ACT_TH2_UP	GSE22886_NAIVE_CD4_TCEI	44	0.41297394	1.4165555	0.08506224	1	1	1271	tags=45%, list=25%, signal=60%
ROSS_AML_WITH_MLL_FUSIONS	ROSS_AML_WITH_MLL_FUS	20	0.49524966	1.4164354	0.08232932	1	1	299	tags=23%, list=6%, signal=24%
GO_SYNAPSE	GO_SYNAPSE	231	0.40810703	1.4161205	0.05063291	1	1	1433	tags=40%, list=29%, signal=53%
GO_BONE_DEVELOPMENT	GO_BONE_DEVELOPMENT	55	0.4129758	1.4158782	0.08139535	1	1	1145	tags=36%, list=23%, signal=47%
GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED	GSE46606_DAY1_VS_DAY3_	16	0.48456895	1.4153067	0.07894737	1	1	852	tags=44%, list=17%, signal=53%
GO_RNA_POLYMERASE_II_TRANSCRIPTION_FACTOR_RIF	GO_RNA_POLYMERASE_II_T	30	0.45743245	1.415265	0.09591837	0.99992883	1	1240	tags=37%, list=25%, signal=48%
GO_NEGATIVE_REGULATION_OF_LEUKOCYTE_DIFFEREN	GO_NEGATIVE_REGULATOR	27	0.4500408	1.4126684	0.07613169	0.99875502	1	933	tags=37%, list=19%, signal=45%
CHRSQ13	CHRSQ13	15	0.5834297	1.4147319	0.11522634	0.9983758	1	1794	tags=80%, list=36%, signal=124%
GSE46606_UNSTIM_VS_CD40L_IL2_IL5_3DAY_STIMULAT	GSE46606_UNSTIM_VS_CD4	49	0.3945418	1.4144274	0.06666667	0.997739	1	1223	tags=45%, list=24%, signal=59%
GSE1432_CTRL_VS_IFNG_24H_MICROGLIA_UP	GSE1432_CTRL_VS_IFNG_24	54	0.39790213	1.4140778	0.07755102	0.9974266	1	1114	tags=37%, list=22%, signal=47%
GO_GLAND_MORPHOGENESIS	GO_GLAND_MORPHOGENE	42	0.39862972	1.4137385	0.0759483	0.99702954	1	876	tags=36%, list=18%, signal=43%
GSE34156_UNTREATED_VS_24H_TLR1_TLR2_LIGAND_TR	GSE34156_UNTREATED_VS_	40	0.40153312	1.4135866	0.08076923	0.9956522	1	813	tags=33%, list=16%, signal=39%
GSE7460_WT_VS_FOXP3_HET_ACT_WITH_TGFB_TCONV	GSE7460_WT_VS_FOXP3_H	52	0.3725583	1.4133086	0.05443548	0.9948917	1	484	tags=21%, list=10%, signal=23%
GSE40493_BCL6_KO_VS_WT_TREG_UP	GSE40493_BCL6_KO_VS_WT	16	0.48371485	1.4132954	0.07317073	0.9927217	1	1306	tags=56%, list=26%, signal=76%
GO_CELL_PROJECTION_PART	GO_CELL_PROJECTION_PAR	261	0.30726194	1.4131341	0.02218115	0.9913584	1	1484	tags=40%, list=30%, signal=54%
GO_NEGATIVE_REGULATION_OF_G_PROTEIN_COUPLED	GO_NEGATIVE_REGULATOR	15	0.5330485	1.4127684	0.12195122	0.99117959	1	938	tags=53%, list=19%, signal=57%
GO_MESONEPHROS_DEVELOPMENT	GO_MESONEPHROS_DEVEL	41	0.40477923	1.4113717	0.0862609	0.9966893	1	876	tags=34%, list=18%, signal=41%
GSE11057_NAIVE_VS_MEMORY_CD4_TCELL_UP	GSE11057_NAIVE_VS_MEMORY	63	0.36108267	1.4111315	0.05144033	0.9958632	1	745	tags=32%, list=15%, signal=37%
GSE21063_WT_VS_NFATC1_KO_16H_ANTILG_M_STIM_BI	GSE21063_WT_VS_NFATC1_	69	0.35786024	1.4093726	0.0464684	1	1	833	tags=30%, list=17%, signal=36%
GSE25123_WT_VS_PPARG_KO_MACROPHAGE_ROSIGLIT	GSE25123_WT_VS_PPARG_#	55	0.38803843	1.4086941	0.07739308	1	1	919	tags=29%, list=18%, signal=35%
GSE22611_MUTANT_NOD2_VS_CTRL_TRANSDUCE	GSE22611_MUTANT_NOD2_	53	0.36909315	1.4084905	0.06095238	1	1	313	tags=17%, list=6%, signal=18%
GO_PRESYNAPSE	GO_PRESYNAPSE	78	0.3688384	1.4083407	0.06428572	1	1	1508	tags=45%, list=30%, signal=63%
DUTERTR_ESTRADIOL_RESPONSE_6HR_DN	DUTERTR_ESTRADIOL_RES	46	0.44220537	1.4078599	0.12175649	1	1	1251	tags=39%, list=25%, signal=53%
GO_RESPONSE_TO_ESTROGEN	GO_RESPONSE_TO_ESTROG	101	0.35363045	1.4068978	0.07407408	1	1	848	tags=31%, list=17%, signal=36%
GO_SYNAPSE_PART	GO_SYNAPSE_PART	178	0.33913175	1.4068666	0.04355717	1	1	1545	tags=43%, list=31%, signal=60%
GSE12003_4D_VS_8D_CULTURE_MIR223_KO_BM_PROGI	GSE12003_4D_VS_8D_CULT	48	0.38808748	1.4066694	0.05384615	1	1	489	tags=23%, list=10%, signal=25%
GSE22045_TREG_VS_TCONV_DN	GSE22045_TREG_VS_TCONV	50	0.39206392	1.4064782	0.07128713	1	1	1167	tags=38%, list=23%, signal=49%
GNF2_TST	GNF2_TST	42	0.44467363	1.4063511	0.10019268	1	1	1642	tags=52%, list=33%, signal=77%
GO_SARCOPLASM	GO_SARCOPLASM	28	0.43950546	1.4061058	0.08785047	0.99951327	1	1294	tags=46%, list=26%, signal=62%
GSE45365_HEALTHY_VS_MCMV_INFECTION_CD11B_DC	GSE45365_HEALTHY_VS_M	32	0.41564864	1.4060181	0.08383234	0.99781924	1	1380	tags=47%, list=28%, signal=64%
DOANE_RESPONSE_TO_ANDROGEN_UP	DOANE_RESPONSE_TO_ANI	71	0.37923655	1.4051226	0.07676768	1	1	617	tags=27%, list=12%, signal=30%
GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_CD8_TCELL_	GSE15930_NAIVE_VS_48H_I	64	0.38607053	1.4049681	0.08295995	0.99920684	1	1096	tags=34%, list=22%, signal=43%
GSE11961_FOLLICULAR_BCELL_VS_MEMORY_BCELL_DA	GSE11961_FOLLICULAR_BCI	65	0.40290084	1.4045746	0.10123967	0.9993429	1	1699	tags=54%, list=34%, signal=81%
ZHANG_TLX_TARGETS_36HR_UP	ZHANG_TLX_TARGETS_36HI	66	0.37737349	1.4041989	0.05928854	0.99925405	1	1340	tags=39%, list=27%, signal=53%
GO_METANEPHROS_DEVELOPMENT	GO_METANEPHROS_DEVEL	45	0.3905177	1.4040656	0.07442748	0.9978242	1	1130	tags=33%, list=23%, signal=43%
GO_REGULATION_OF_BODY_FLUID_LEVELS	GO_REGULATION_OF_BODY	178	0.32645342	1.4040493	0.0415879	0.99576604	1	942	tags=25%, list=19%, signal=29%
GO_SYNAPTIC_VESICLE_LOCALIZATION	GO_SYNAPTIC_VESICLE_LOX	27	0.4072712	1.4037845	0.0961183	0.9949923	1	1284	tags=44%, list=26%, signal=59%
GO_REGULATION_OF_OXIDOREDUCTASE_ACTIVITY	GO_REGULATION_OF_OXID	28	0.42182416	1.4029897	0.09037328	0.9972421	1	665	tags=21%, list=13%, signal=25%
GO_SECRETION_BY_CELL	GO_SECRETION_BY_CELL	169	0.39361222	1.4028485	0.06739526	0.9958865	1	1508	tags=42%, list=30%, signal=58%
GO_NEGATIVE_REGULATION_OF_TRANSMEMBRANE_TR	GO_NEGATIVE_REGULATOR	31	0.408372	1.4023788	0.07509158	0.9963879	1	1367	tags=42%, list=27%, signal=57%
GSE1460_DP_THYMOCYTE_VS_NAIVE_CD4_TCELL_ADUL	GSE1460_DP_THYMOCYTE_	42	0.2857215	1.4020939	0.07216495	0.99582136	1	678	tags=24%, list=14%, signal=27%
CTGCAGY_UNKNOWN	CTGCAGY_UNKNOWN	245	0.3315855	1.40201	0.05772812	0.99419516	1	1492	tags=42%, list=30%, signal=57%
VSPXR_IQ1_Q6	VSPXR_IQ1_Q6	34	0.40741247	1.4019109	0.07446808	0.9925798	1	1230	tags=32%, list=25%, signal=43%
GO_RECEPTOR_INTERNALIZATION	GO_RECEPTOR_INTERNALIZ	18	0.5220711	1.4009395	0.1309298	0.99555063	1	881	tags=50%, list=18%, signal=63%
VSPR_01	VSPR_01	40	0.38115084	1.4007261	0.05566219	0.994594	1	881	tags=30%, list=18%, signal=36%
AGGCCAG_MIR-18A	AGGCCAG_MIR-18A	23	0.43492392	1.4004223	0.0907173	0.9941687	1	891	tags=30%, list=18%, signal=36%
DAVICION1_MOLECULAR_ARM5_VS_ERMS_UP	DAVICION1_MOLECULAR_AI	101	0.34293073	1.4002271	0.05502847	0.99317867	1	876	tags=31%, list=18%, signal=36%
GSE22886_TH1_VS_TH2_12H_ACT_DN	GSE22886_TH1_VS_TH2_12I	58	0.34997716	1.4000595	0.03619048	0.99205345	1	263	tags=16%, list=5%, signal=16%
GSE14308_TH2_VS_NAIVE_CD4_TCELL_DN	GSE14308_TH2_VS_NAIVE_C	33	0.4300434	1.3997931	0.09356725	0.99150765	1	1241	tags=39%, list=25%, signal=52%
RAPA_EARLY_UP_V1_UP	RAPA_EARLY_UP_V1_UP	49	0.39586532	1.3993143	0.07821229	0.99196047	1	908	tags=33%, list=18%, signal=40%
GSE27786_NKCELL_VS_NEUTROPHIL_DN	GSE27786_NKCELL_VS_NEU	56	0.35542253	1.3989303	0.03082852	0.99187183	1	1050	tags=34%, list=21%, signal=42%
GSE07015_WT_VS_TLR4_KO_48H_OZONE_LUNG_DN	GSE07015_WT_VS_TLR4_KO	44	0.37042615	1.3981965	0.0509165	0.9936952	1	728	tags=20%, list=15%, signal=24%
MORF_NF1	MORF_NF1	51	0.3494058	1.3979453	0.03861004	0.9929162	1	497	tags=16%, list=10%, signal=17%
LANDIS_ERBB2_BREAST_TUMORS_65_DN	LANDIS_ERBB2_BREAST_TUI	18	0.5493336	1.3978703	0.13396226	0.99120754	1	1448	tags=61%, list=29%, signal=86%
VSMIF1_01	VSMIF1_01	48	0.3835161	1.3971329	0.06224066	0.99219775	1	1162	tags=40%, list=23%, signal=45%
TGCACCT_MIR-519C_MIR-519B_MIR-519A	TGCACCT_MIR-519C_MIR-51	107	0.336277	1.3972802	0.06118547	0.9903303	1	1064	tags=33%, list=21%, signal=41%
GSE1721_PAM3CSK4_VS_GADIQUMOD_4H_BMDC_D	GSE1721_PAM3CSK4_VS_C	58	0.3965871	1.39725	0.09836066	0.9884664	1	880	tags=29%, list=18%, signal=35%
GAZDA_DIAMOND_BLACKFAN_ANEMIA_ERYTHROID_DI	GAZDA_DIAMOND_BLACKCF	89	0.32961762	1.3970984	0.04449153	0.98718685	1	911	tags=25%, list=18%, signal=30%
GO_MAMMARY_GLAND_DEVELOPMENT	GO_MAMMARY_GLAND_DE	52	0.38605523	1.3969622	0.076	0.9859022	1	888	tags=33%, list=18%, signal=39%
SANSOM_APC_TARGETS_UP	SANSOM_APC_TARGETS_UF	43	0.36969405	1.3965371	0.06136022	0.98618066	1	373	tags=23%, list=7%, signal=25%
GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_VS_CD4_	GSE22601_IMMATURE_CD4	35	0.3964293	1.3964312	0.07378641	0.9847528	1	1198	tags=46%, list=24%, signal=60%
GSE30083_SP2_VS_SP3_THYMOCYTE_DN	GSE30083_SP2_VS_SP3_THY	47	0.36888904	1.3958145	0.07926829	0.9859576	1	781	tags=24%, list=16%, signal=28%
GSE26928_CENTR_MEMORY_VS_CXCR5_POS_CD4_TCEL	GSE26928_CENTR_MEMORY*	79	0.38681792	1.3956207	0.07910751	0.98492545	1	1184	tags=36%, list=24%, signal=47%
GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD1ONE	GSE35685_CD34POS_CD38I	40	0.40924802	1.3945824	0.08686869	0.98841256	1	959	tags=35%, list=19%, signal=43%
GSE18281_SUBCAPSULAR_CORICAL_REGION_VS_WHC	GSE18281_SUBCAPSULAR_C	69	0.34853233	1.3940345	0.04856115	0.98917896	1	1025	tags=36%, list=21%, signal=45%
ZHANG_TLX_TARGETS_60HR_UP	ZHANG_TLX_TARGETS_60HI	107	0.3614103	1.3938267	0.07101727	0.98829097	1	1453	tags=45%, list=29%, signal=62%
VSLMO2COM_01	VSLMO2COM_01	81	0.34205908	1.3936073	0.0545809	0.98736596	1	1131	tags=33%, list=23%, signal=42%
GSE26030_UNSTIM_VS_RESTIM_TH17_DAY15_POST_PO	GSE26030_UNSTIM_VS_RES	39	0.3760513	1.3932555	0.06809338	0.98734	1	857	tags=33%, list=17%, signal=40%
GO_POSITIVE_REGULATION_OF_ADENYLATE_CYCLASE_	GO_POSITIVE_REGULATION	15	0.5140292	1.3929729	0.1141199	0.98705584	1	1592	tags=67%, list=32%, signal=98%
GSE22886_JGG_IIGA_MEMORY_BCELL_VS_BLOOD_PLASA	GSE22886_JGG_IIGA_MEMO	60	0.38785872	1.3921121	0.08477842	0.9892479	1	1871	tags=60%, list=37%, signal=95%
GSE37301_PRO_BCELL_VS_RAG2_KO_NK_CELL_VS_	GSE37301_PRO_BCELL_VS_	47	0.3746618	1.3918439	0.05846774	0.98869616	1	1020	tags=34%, list=20%, signal=42%
GO_POSITIVE_REGULATION_OF_PROTEIN_BINDING	GO_POSITIVE_REGULATION	22	0.46741283	1.3916655	0.08979592	0.9877005	1	1293	tags=41%, list=26%, signal=55%
CHR10Q26	CHR10Q26	24	0.45375285	1.3907665	0.11359026	0.99052423	1	1491	tags=58%, list=30%, signal=83%
GSE22611_NOD2_VS_CTRL_TRANSDUCE_HEK293T_C1	GSE22611_NOD2_VS_CTRL_	50	0.3985208	1.3906966	0.094	0.99220884	1	978	tags=40%, list=20%, signal=49%
GO_POSITIVE_REGULATION_OF_CELLULAR_PROTEIN_LC	GO_POSITIVE_REGULATION	92	0.3505747	1.3897914	0.06300813	0.99176216	1	1039	tags=32%, list=21%, signal=39%
LANDIS_ERBB2_BREAST_PRENEOPLASTIC_DN	LANDIS_ERBB2_BREAST_PRI	20	0.51038915	1.3897026	0.11688311	0.9902407	1	1448	tags=70%, list=29%, signal=98%
GO_ANION_HOMEOSTASIS	GO_ANION_HOMEOSTASIS	16	0.48920533	1.3895408	0.106	0.98915064	1	835	tags=38%, list=17%, signal=45%
CHRXQ21	CHRXQ21	19	0.48412508	1.3895351	0.09072978	0.98724276	1	1412	tags=53%, list=28%, signal=73%
GSE23502_WT_VS_HDC_KO_MYELOID_DERIVED_SUPPRI	GSE23502_WT_VS_HDC_KO	88	0.34594056	1.3895003	0.07061069	0.9854855	1	1257	tags=33%, list=25%, signal=43%
GO_GROWTH_FACTOR_BINDING	GO_GROWTH_FACTOR_BIN	59	0.41342643	1.3886417	0.10114504	0.9879151	1	1218	tags=42%, list=24%, signal=55%
GO_VESICLE_MEMBRANE	GO_VESICLE_MEMBRANE	136	0.32115966	1.3883349	0.05882353	0.9875528	1	965	tags=27%, list=19%, signal=33%
GSE7509_DC_VS									

GO_RENAL_TUBULE_DEVELOPMENT	GO_RENAL_TUBULE_DEVELOPMENT	37	0.39498094	1.3800716	0.08946322	0.9830401	1	943 tags=27%, list=19%, signal=33%
GSE87532_WT_VS_PPARG_KO_LN_TREG_UP	GSE87532_WT_VS_PPARG_KO_LN_TREG_UP	25	0.45619765	1.380006	0.0955414	0.9815455	1	548 tags=24%, list=11%, signal=27%
GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCLYTE_12H_L	GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCLYTE_12H_L	57	0.37238452	1.3795654	0.05295316	0.98199797	1	1138 tags=39%, list=23%, signal=49%
CHEBOTAEV_GR_TARGETS_DN	CHEBOTAEV_GR_TARGETS_DN	58	0.38778603	1.3792813	0.12007874	0.9816539	1	1090 tags=40%, list=22%, signal=50%
GO_POSITIVE_REGULATION_OF_INSULIN_SECRETION	GO_POSITIVE_REGULATION_OF_INSULIN_SECRETION	25	0.40917963	1.3791168	0.06934307	0.9805606	1	540 tags=28%, list=11%, signal=31%
GO_VESICLE_ORGANIZATION	GO_VESICLE_ORGANIZATION	50	0.36889032	1.3791081	0.06285714	0.9788725	1	384 tags=18%, list=8%, signal=19%
GSE14308_TH1_VS_NAIVE_CD4_TCELL_UP	GSE14308_TH1_VS_NAIVE_CD4_TCELL_UP	28	0.39122388	1.378601	0.06407767	0.9796553	1	1516 tags=54%, list=30%, signal=76%
GAGCTGG_MIR-337	GAGCTGG_MIR-337	33	0.42008812	1.3784894	0.10679612	0.978332	1	1702 tags=55%, list=34%, signal=82%
GSE32986_GMCSF_VS_GMCSF_AND_CURDLAN_HIGHDX	GSE32986_GMCSF_VS_GMCSF_AND_CURDLAN_HIGHDX	48	0.37578306	1.3784089	0.07756814	0.97696245	1	764 tags=33%, list=15%, signal=39%
GO_JON_HOMEOSTASIS	GO_JON_HOMEOSTASIS	211	0.31423936	1.3782805	0.06285714	0.9758105	1	940 tags=25%, list=19%, signal=30%
HALLMARK_XENOBIOTIC_METABOLISM	HALLMARK_XENOBIOTIC_METABOLISM	76	0.36300683	1.3763363	0.0904059	0.9840944	1	1413 tags=39%, list=28%, signal=54%
GSE10240_IL17_VS_IL17_AND_IL22_STIM_PRIMARY_BRC	GSE10240_IL17_VS_IL17_AND_IL22_STIM_PRIMARY_BRC	58	0.33801162	1.3757026	0.05390335	0.9854145	1	1022 tags=29%, list=20%, signal=36%
GO_EMBRYONIC_HINDLIMB_MORPHOGENESIS	GO_EMBRYONIC_HINDLIMB_MORPHOGENESIS	15	0.49663207	1.3755087	0.10288066	0.9845186	1	1836 tags=73%, list=37%, signal=116%
GO_SPLEEN_DEVELOPMENT	GO_SPLEEN_DEVELOPMENT	15	0.47996404	1.3753127	0.08727273	0.9836521	1	928 tags=33%, list=19%, signal=41%
GO_SECRETORY_VESICLE	GO_SECRETORY_VESICLE	159	0.33640346	1.3750798	0.08237548	0.98302877	1	1402 tags=38%, list=28%, signal=51%
HATADA_METHYLATED_IN_LUNG_CANCER_UP	HATADA_METHYLATED_IN_LUNG_CANCER_UP	150	0.33954036	1.3747665	0.08909091	0.9828689	1	1304 tags=39%, list=26%, signal=51%
GSE26488_WT_VS_HDAC7_KO_DOUBLE_POSITIVE_THY1	GSE26488_WT_VS_HDAC7_KO_DOUBLE_POSITIVE_THY1	30	0.40692008	1.374726	0.08712871	0.9813114	1	1489 tags=47%, list=30%, signal=66%
GSE19941_IL10_KO_VS_IL10_KO_AND_NFKB50_KO_UN	GSE19941_IL10_KO_VS_IL10_KO_AND_NFKB50_KO_UN	63	0.36860604	1.3743464	0.06707317	0.9815266	1	484 tags=22%, list=10%, signal=24%
V5STAT5A_04	V5STAT5A_04	67	0.37608975	1.3734058	0.07843138	0.98467666	1	1395 tags=42%, list=28%, signal=57%
BEGUM_TARGETS_OF_PAX3_FOXP1_FUSION_UP	BEGUM_TARGETS_OF_PAX3_FOXP1_FUSION_UP	34	0.46443374	1.3734037	0.15682282	0.9829066	1	569 tags=32%, list=11%, signal=36%
MODULE_32	MODULE_32	16	0.4578864	1.3733	0.09550562	0.98168373	1	905 tags=44%, list=18%, signal=53%
MORF_CDCL25	MORF_CDCL25	22	0.43746942	1.3732469	0.09475806	0.9801735	1	545 tags=23%, list=11%, signal=25%
GSE17721_12H_VS_24H_POLYIC_BMDC_DN	GSE17721_12H_VS_24H_POLYIC_BMDC_DN	29	0.41173753	1.3728424	0.1	0.9805509	1	445 tags=24%, list=9%, signal=26%
GO_GOLGI_STACK	GO_GOLGI_STACK	23	0.46182856	1.3727549	0.10660981	0.9792237	1	714 tags=35%, list=14%, signal=40%
GSE8685_IL2_STARVED_VS_IL21_ACT_IL2_STARVED_CD4	GSE8685_IL2_STARVED_VS_IL21_ACT_IL2_STARVED_CD4	51	0.33977274	1.3726952	0.0623608	0.9778121	1	1115 tags=31%, list=22%, signal=40%
GO_CELL_PROJECTION_ORGANIZATION	GO_CELL_PROJECTION_ORGANIZATION	282	0.30517179	1.3725448	0.04572565	0.9767814	1	1297 tags=35%, list=26%, signal=45%
GO_NEURON_MIGRATION	GO_NEURON_MIGRATION	45	0.39568442	1.3722482	0.10516252	0.9765853	1	1780 tags=60%, list=36%, signal=92%
GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULAT	GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULAT	47	0.3599014	1.3720437	0.05751392	0.9759142	1	906 tags=28%, list=18%, signal=33%
GSE37532_VISCERAL_ADIPOSE_TISSUE_VS_LN_DERIVED	GSE37532_VISCERAL_ADIPOSE_TISSUE_VS_LN_DERIVED	31	0.4033295	1.3719969	0.08901515	0.97438604	1	1245 tags=35%, list=25%, signal=47%
GSE3039_CD4_TCELL_VS_NKT_CELL_UP	GSE3039_CD4_TCELL_VS_NKT_CELL_UP	48	0.38070005	1.3718077	0.09683795	0.97370225	1	1073 tags=38%, list=21%, signal=47%
SCHLOSSER_SERUM_RESPONSE_UP	SCHLOSSER_SERUM_RESPONSE_UP	23	0.4388391	1.3715913	0.0977131	0.9730599	1	1128 tags=43%, list=23%, signal=56%
GO_REGULATION_OF_PHOSPHOLIPASE_C_ACTIVITY	GO_REGULATION_OF_PHOSPHOLIPASE_C_ACTIVITY	15	0.52128255	1.3715802	0.1278626	0.9713841	1	629 tags=27%, list=13%, signal=30%
V5TAL1ALPHA47_01	V5TAL1ALPHA47_01	87	0.34336498	1.3715682	0.08598131	0.96973675	1	1162 tags=33%, list=23%, signal=43%
GO_SECRETORY_GRANULE	GO_SECRETORY_GRANULE	130	0.34230018	1.3712665	0.08955224	0.96959955	1	965 tags=28%, list=19%, signal=34%
SIG_PIP3_SIGNALING_IN_CARDIAC_MYOCYTES	SIG_PIP3_SIGNALING_IN_CARDIAC_MYOCYTES	19	0.46940982	1.3712133	0.1108871	0.9681725	1	241 tags=21%, list=5%, signal=22%
GO_RAB_GTPASE_BINDING	GO_RAB_GTPASE_BINDING	25	0.4514721	1.3706611	0.10261569	0.9694255	1	871 tags=40%, list=17%, signal=48%
GSE7509_UNSTIM_VS_MIR17_OVEREXP_STIM_MONOCLYTE_DN	GSE7509_UNSTIM_VS_MIR17_OVEREXP_STIM_MONOCLYTE_DN	19	0.43798724	1.3701075	0.1045082	0.9701996	1	455 tags=32%, list=9%, signal=35%
GSE32533_WT_VS_FCIB17_FERRIPRESS_ACT_CD4_TCE	GSE32533_WT_VS_FCIB17_FERRIPRESS_ACT_CD4_TCE	84	0.3599536	1.3696107	0.07604563	0.97095823	1	1736 tags=57%, list=35%, signal=86%
WU_SILENCED_BY_METHYLATION_IN_BLADDER_CANC	WU_SILENCED_BY_METHYLATION_IN_BLADDER_CANC	36	0.47077173	1.3695631	0.15	0.9695095	1	1240 tags=53%, list=25%, signal=70%
GSE22229_RENAL_TRANSPLANT_IMMUNOSUPP_THERA	GSE22229_RENAL_TRANSPLANT_IMMUNOSUPP_THERA	65	0.35213685	1.3692082	0.07099392	0.969578	1	599 tags=20%, list=12%, signal=22%
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_7	PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_7	160	0.32074233	1.3691894	0.06932773	0.96798337	1	978 tags=31%, list=20%, signal=38%
GSE9650_NAIVE_VS_EFF_CD8_TCELL_UP	GSE9650_NAIVE_VS_EFF_CD8_TCELL_UP	52	0.35772416	1.3690323	0.06126482	0.9671117	1	1058 tags=40%, list=21%, signal=51%
GO_POSITIVE_REGULATION_OF_CYTOPLASMIC_TRANSF	GO_POSITIVE_REGULATION_OF_CYTOPLASMIC_TRANSF	76	0.38093784	1.3689171	0.10953347	0.96598566	1	641 tags=25%, list=13%, signal=28%
CHR16P13	CHR16P13	51	0.44873443	1.3688828	0.15189873	0.96449846	1	945 tags=39%, list=19%, signal=48%
GSE21927_SPLEEN_VS_TUMOR_MONOCLYTE_BALBC_DN	GSE21927_SPLEEN_VS_TUMOR_MONOCLYTE_BALBC_DN	58	0.36227053	1.3686839	0.07272727	0.9638617	1	1244 tags=41%, list=25%, signal=54%
REACTOME_INTEGRATION_OF_ENERGY_METABOLISM	REACTOME_INTEGRATION_OF_ENERGY_METABOLISM	38	0.40747988	1.3683685	0.08986615	0.96378	1	1708 tags=53%, list=34%, signal=79%
GO_CATION_CHANNEL_COMPLEX	GO_CATION_CHANNEL_COMPLEX	55	0.375178	1.3682073	0.09123435	0.9629289	1	1388 tags=45%, list=28%, signal=62%
GO_REGULATION_OF_NUCLEOTIDE_METABOLIC_PROCE	GO_REGULATION_OF_NUCLEOTIDE_METABOLIC_PROCE	73	0.34866366	1.3679863	0.06864564	0.96241313	1	629 tags=23%, list=13%, signal=26%
GSE7460_CTRL_VS_TGFB_TREATED_ACT_CD8_TCELL_DN	GSE7460_CTRL_VS_TGFB_TREATED_ACT_CD8_TCELL_DN	61	0.3514736	1.3676009	0.06573705	0.962743	1	714 tags=26%, list=14%, signal=30%
V5CDPCR3HD_01	V5CDPCR3HD_01	74	0.35043684	1.3675681	0.07735809	0.9612618	1	898 tags=31%, list=18%, signal=37%
TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_DUCTA	TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_DUCTA	23	0.5183697	1.3671592	0.1959596	0.9611646	1	1192 tags=61%, list=24%, signal=80%
GSE52123_ROSILGITAZONE_VS_IL4_AND_ROSILGITAZO	GSE52123_ROSILGITAZONE_VS_IL4_AND_ROSILGITAZO	24	0.43162602	1.3671346	0.12774451	0.9600867	1	778 tags=38%, list=16%, signal=44%
GO_NEGATIVE_REGULATION_OF_CATION_TRANSMEMB	GO_NEGATIVE_REGULATION_OF_CATION_TRANSMEMB	25	0.42596304	1.3663716	0.10332103	0.9622583	1	1264 tags=44%, list=25%, signal=59%
GO_MICROTUBULE_BUNDLE_FORMATION	GO_MICROTUBULE_BUNDLE_FORMATION	28	0.48024097	1.3659312	0.15587045	0.9628313	1	937 tags=46%, list=19%, signal=57%
GSE41867_DAY6_EFFECTOR_VS_DAY30_MEMORY_CD8	GSE41867_DAY6_EFFECTOR_VS_DAY30_MEMORY_CD8	40	0.43123406	1.3648995	0.12366737	0.96617657	1	1157 tags=38%, list=23%, signal=48%
WEST_ADRENOCORTECAL_TUMOR_DN	WEST_ADRENOCORTECAL_TUMOR_DN	205	0.37610176	1.3645016	0.17984189	0.9664487	1	1297 tags=40%, list=26%, signal=51%
KAECH_NAIVE_VS_MEMORY_CD8_TCELL_UP	KAECH_NAIVE_VS_MEMORY_CD8_TCELL_UP	50	0.37407766	1.3637091	0.11001965	0.9687102	1	891 tags=34%, list=18%, signal=41%
GSE25088_CTRL_VS_IL4_AND_ROSILGITAZONE_STIM_M	GSE25088_CTRL_VS_IL4_AND_ROSILGITAZONE_STIM_M	36	0.40227306	1.3635598	0.09315589	0.9678232	1	853 tags=33%, list=17%, signal=40%
ACCAAAG_MIR-9	ACCAAAG_MIR-9	114	0.33044118	1.3630595	0.06382979	0.9686956	1	989 tags=32%, list=20%, signal=40%
GSE12003_4D_VS_8D_CULTURE_BM_PROGENITOR_DN	GSE12003_4D_VS_8D_CULTURE_BM_PROGENITOR_DN	36	0.3816362	1.3627735	0.09981516	0.9684041	1	1000 tags=36%, list=20%, signal=45%
GO_POSITIVE_REGULATION_OF_MUSCLE_TISSUE_DEVE	GO_POSITIVE_REGULATION_OF_MUSCLE_TISSUE_DEVE	23	0.4296517	1.362174	0.10506567	0.9679419	1	876 tags=26%, list=18%, signal=31%
CCANNAGRKGCC_UNKNOW	CCANNAGRKGCC_UNKNOW	34	0.43216708	1.3621627	0.1328125	0.9681731	1	1524 tags=53%, list=30%, signal=76%
GSE3982_CTRL_VS_IJG6_STIM_MAST_CELL_UP	GSE3982_CTRL_VS_IJG6_STIM_MAST_CELL_UP	36	0.3840147	1.3617488	0.09195402	0.96848	1	1096 tags=36%, list=22%, signal=46%
GSE21927_SPLEEN_VS_TUMOR_MONOCLYTE_C57BL6_UF	GSE21927_SPLEEN_VS_TUMOR_MONOCLYTE_C57BL6_UF	48	0.3501337	1.3616862	0.06958251	0.9673467	1	746 tags=25%, list=15%, signal=29%
GO_REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIAT	GO_REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIAT	45	0.36363748	1.3616599	0.07283465	0.96583724	1	835 tags=31%, list=17%, signal=37%
GO_CYTOPLASMIC_VESICLE_PART	GO_CYTOPLASMIC_VESICLE_PART	174	0.31454796	1.3615867	0.06818182	0.9646294	1	965 tags=26%, list=19%, signal=32%
GO_SMAP_BINDING	GO_SMAP_BINDING	17	0.47688168	1.3612922	0.12427185	0.96448874	1	1163 tags=53%, list=23%, signal=69%
GSE17974_IL4_AND_ANTIL_IL12_VS_UNTREATED_12H_A	GSE17974_IL4_AND_ANTIL_IL12_VS_UNTREATED_12H_A	66	0.34555316	1.3603321	0.06932773	0.96778184	1	1056 tags=30%, list=21%, signal=38%
DAIRKEE_TERT_TARGETS_DN	DAIRKEE_TERT_TARGETS_DN	41	0.39495918	1.3601804	0.11003861	0.96689147	1	1251 tags=41%, list=25%, signal=55%
GO_CELLULAR_COMPONENT_MORPHOGENESIS	GO_CELLULAR_COMPONENT_MORPHOGENESIS	279	0.30132943	1.3597	0.06370656	0.9677615	1	1086 tags=30%, list=22%, signal=36%
GSE21546_WT_VS_SAPIA_KO_AND_EK1_KO_ANTL_CD3	GSE21546_WT_VS_SAPIA_KO_AND_EK1_KO_ANTL_CD3	74	0.39264983	1.3589948	0.13562752	0.9663114	1	906 tags=36%, list=18%, signal=44%
V5TTF1_Q6	V5TTF1_Q6	67	0.3450323	1.358897	0.06563707	0.9685058	1	770 tags=22%, list=15%, signal=26%
GO_POSITIVE_REGULATION_OF_BINDING	GO_POSITIVE_REGULATION_OF_BINDING	40	0.4062307	1.3582556	0.11728395	0.9701313	1	1461 tags=43%, list=29%, signal=60%
GSE27786_CD4_TCELL_VS_NEUTROPHIL_DN	GSE27786_CD4_TCELL_VS_NEUTROPHIL_DN	46	0.36002195	1.3581003	0.07905138	0.9693464	1	641 tags=24%, list=13%, signal=27%
GO_PRIMARY_CILIUM	GO_PRIMARY_CILIUM	42	0.38917303	1.3575356	0.10357816	0.9704977	1	1029 tags=43%, list=21%, signal=54%
GO_NEGATIVE_REGULATION_OF_LOCOMOTION	GO_NEGATIVE_REGULATION_OF_LOCOMOTION	95	0.36117145	1.35751	0.10040984	0.9691547	1	778 tags=23%, list=16%, signal=27%
MIKKELSEN_NPC_JCP_WITH_H3K4ME3	MIKKELSEN_NPC_JCP_WITH_H3K4ME3	124	0.34119937	1.3565495	0.07952286	0.9722964	1	1160 tags=34%, list=23%, signal=43%
CHR10Q23	CHR10Q23	24	0.45865214	1.3563397	0.12361623	0.9717457	1	1062 tags=29%, list=21%, signal=37%
BOYALUT_LIVER_CANCER_SUBCLASS_G6_UP	BOYALUT_LIVER_CANCER_SUBCLASS_G6_UP	28	0.38185728	1.3561348	0.07303371	0.97115445	1	352 tags=21%, list=7%, signal=23%
GSE24210_RESTING_TREG_VS_TCONV_UP	GSE24210_RESTING_TREG_VS_TCONV_UP	51	0.45130794	1.3552578	0.13829787	0.9738959	1	1133 tags=39%, list=23%, signal=50%
GSE20198_UNTREATED_VS_IL12_IL18_TREATED_ACT_CD	GSE20198_UNTREATED_VS_IL12_IL18_TREATED_ACT_CD	25	0.43410632	1.3551587	0.12572534	0.97291535	1	598 tags=40%, list=20%, signal=50%
GO_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO	GO_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO	33	0.3796902	1.3548789	0.08	0.9726794	1	887 tags=30%, list=18%, signal=37%
GSE40666_UNTREATED_VS_IFNA_STIM_EFFECTOR_CD8	GSE40666_UNTREATED_VS_IFNA_STIM_EFFECTOR_CD8	51	0.37863988	1.354835	0.11560693	0.971		



GSE29949_MICROGLIA_BRAIN_VS_CD8_NEG_DC_SPLEE	GSE29949_MICROGLIA_BRA	73	0.34352693	1.3487314	0.086629	0.9629014	1	1074 tags=33%, list=21%, signal=41%
PID_AIDISS_2PATHWAY	PID_AIDISS_2PATHWAY	18	0.4473824	1.3483413	0.10707804	0.96329784	1	218 tags=17%, list=4%, signal=17%
GO_REGULATION_OF_FLOPODUM_ASSEMBLY	GO_REGULATION_OF_FLOF	16	0.46246102	1.348046	0.12804878	0.9632173	1	217 tags=19%, list=4%, signal=20%
GO_POSITIVE_REGULATION_OF_VLASE_ACTIVITY	GO_POSITIVE_REGULATION	17	0.47195128	1.3476096	0.12031558	0.9638069	1	1592 tags=59%, list=32%, signal=86%
GO_POSITIVE_REGULATION_OF_CYCLASE_ACTIVITY	GO_POSITIVE_REGULATION	17	0.47195128	1.3476096	0.12031558	0.96321496	1	1592 tags=59%, list=32%, signal=86%
YGCANTGCR_UNKNOWN	YGCANTGCR_UNKNOWN	32	0.4069304	1.3475051	0.1283525	0.9613652	1	1323 tags=44%, list=26%, signal=59%
GSE19888_CTRL_VS_TCELL_MEMBRANES_ACT_MAST_CI	GSE19888_CTRL_VS_TCELL	66	0.39259384	1.3471575	0.14579055	0.96146166	1	897 tags=33%, list=18%, signal=40%
GO_DIVALENT_INORGANIC_CATION_TRANSMEMBRANI	GO_DIVALENT_INORGANIC	46	0.3674478	1.3470018	0.08703703	0.9607404	1	1516 tags=48%, list=30%, signal=68%
GO_FOREBRAIN_GENERATION_OF_NEURONS	GO_FOREBRAIN_GENERATI	24	0.44412577	1.3469872	0.13662238	0.9592799	1	1190 tags=50%, list=24%, signal=65%
GO_RESPONSE_TO_NICOTINE	GO_RESPONSE_TO_NICOTI	19	0.43951052	1.346555	0.10019268	0.9598496	1	1247 tags=37%, list=25%, signal=49%
GSE14308_TH2_VS_INDUCED_TREG_DN	GSE14308_TH2_VS_INDUC	34	0.36272922	1.3462908	0.08514851	0.9596685	1	599 tags=24%, list=12%, signal=27%
GSE36888_STATS_AB_KNOCKIN_VS_WT_TCELL_IL2_TRE	GSE36888_STATS_AB_KNO	56	0.3618188	1.3461858	0.09829868	0.95870376	1	591 tags=23%, list=12%, signal=26%
GO_EMBRYO_IMPLANTATION	GO_EMBRYO_IMPLANTATI	15	0.4951009	1.3453214	0.15280644	0.961357	1	1060 tags=33%, list=21%, signal=47%
ST_ADRENERGIC	ST_ADRENERGIC	16	0.42524847	1.3450631	0.09426229	0.96112556	1	1294 tags=50%, list=26%, signal=62%
AAGWWRNYYGGC_UNKNOWN	AAGWWRNYYGGC_UNKNOW	20	0.41533333	1.344968	0.10881801	0.96080223	1	479 tags=30%, list=10%, signal=33%
GSE17721_CTRL_VS_GARDIQUIMOD_24H_BMDC_UP	GSE17721_CTRL_VS_GARD	31	0.39407244	1.3443846	0.07592191	0.9616041	1	708 tags=29%, list=14%, signal=34%
VANASSE_BCL2_TARGETS_UP	VANASSE_BCL2_TARGETS_L	17	0.44561654	1.3441273	0.13717695	0.9614191	1	677 tags=35%, list=14%, signal=41%
GSE2706_R848_VS_LPS_8H_STIM_DC_UP	GSE2706_R848_VS_LPS_8	54	0.34645966	1.343851	0.07847083	0.96134585	1	886 tags=28%, list=17%, signal=37%
GSE14000_UNTREATED_VS_16H_LPS_DC_TRANSLATED_RN	GSE14000_UNSTIM_VS_16	39	0.39809522	1.3437859	0.10660601	0.96021754	1	1364 tags=41%, list=27%, signal=56%
GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_A	GSE2770_UNTREATED_VS_T	29	0.38791828	1.3436372	0.0877551	0.9594226	1	782 tags=31%, list=16%, signal=37%
GSE41176_UNSTIM_VS_ANTIIGM_STIM_TAKI_KO_BCEL	GSE41176_UNSTIM_VS_AN	53	0.35850662	1.343166	0.09633911	0.9601338	1	841 tags=30%, list=17%, signal=36%
ZHU_CMV_ALL_DN	ZHU_CMV_ALL_DN	59	0.42766276	1.3430214	0.18849206	0.95939803	1	1634 tags=58%, list=33%, signal=85%
GSE40184_HEALTHY_VS_HCV_INFECTED_DONOR_PBM	GSE40184_HEALTHY_VS_H	67	0.3351385	1.3423601	0.09590096	0.9611464	1	414 tags=18%, list=8%, signal=19%
GO_ISOMERASE_ACTIVITY	GO_ISOMERASE_ACTIVITY	20	0.42938125	1.3417474	0.13167939	0.962661	1	1079 tags=30%, list=22%, signal=38%
GSE17721_CTRL_VS_CPG_6H_BMDC_UP	GSE17721_CTRL_VS_CPG_6	31	0.4075874	1.3413786	0.11904762	0.9629037	1	1224 tags=39%, list=24%, signal=51%
WONG_MITOCHONDRIA_GENE_MODULE	WONG_MITOCHONDRIA_G	34	0.39958146	1.3412254	0.10364683	0.9621992	1	1079 tags=41%, list=22%, signal=52%
NABA_BASEMENT_MEMBRANES	NABA_BASEMENT_MEMBR	19	0.53707266	1.34061	0.197556	0.963621	1	1615 tags=68%, list=32%, signal=101%
GO_GROWTH_FACTOR_RECEPTOR_BINDING	GO_GROWTH_FACTOR_REC	49	0.37627915	1.3404899	0.09904672	0.9627523	1	848 tags=27%, list=17%, signal=35%
CHRS5P13	CHRS5P13	20	0.484795	1.3404362	0.14157706	0.9615425	1	1159 tags=45%, list=23%, signal=58%
GO_MICROBODY_LUMEN	GO_MICROBODY_LUMEN	15	0.49332833	1.3398724	0.14634146	0.9628301	1	408 tags=33%, list=8%, signal=36%
GO_NEGATIVE_REGULATION_OF_KINASE_ACTIVITY	GO_NEGATIVE_REGULATIO	77	0.36307433	1.3396633	0.12240664	0.96234757	1	1170 tags=38%, list=23%, signal=48%
GSE42724_NAIVE_VS_B1_BCELL_UP	GSE42724_NAIVE_VS_B1_B	37	0.37488568	1.3395662	0.12139918	0.9609504	1	1279 tags=38%, list=26%, signal=50%
GSE2770_UNTREATED_VS_IL4_TREATED_ACT_CD4_TCEL	GSE2770_UNTREATED_VS_I	35	0.3861319	1.3396403	0.11538462	0.9595935	1	648 tags=29%, list=13%, signal=33%
GSE40274_CTRL_VS_SATB1_TRANSDUCED_ACTIVATED	GSE40274_CTRL_VS_SATB	49	0.3895628	1.3390208	0.13793103	0.9610641	1	543 tags=24%, list=11%, signal=27%
GSE17721_CTRL_VS_CPG_1H_BMDC_UP	GSE17721_CTRL_VS_CPG_1	27	0.43311155	1.3387831	0.12936345	0.96074814	1	1253 tags=56%, list=25%, signal=74%
GO_POSITIVE_REGULATION_OF_INTRACELLULAR_TRAN	GO_POSITIVE_REGULATION	93	0.35706425	1.3385944	0.11220472	0.9601843	1	1017 tags=31%, list=20%, signal=38%
GSE43955_10H_VS_30H_ACT_CD4_TCELL_DN	GSE43955_10H_VS_30H_A	57	0.3508932	1.3382517	0.08067542	0.96030515	1	985 tags=32%, list=20%, signal=39%
GO_REGULATION_OF_CELLULAR_RESPONSE_TO_GROW	GO_REGULATION_OF_CELL	90	0.36961457	1.3382187	0.14228457	0.95905095	1	1024 tags=33%, list=20%, signal=41%
GENTILE_UV_LOW_DOSE_DN	GENTILE_UV_LOW_DOSE_D	23	0.44731876	1.3381928	0.15642458	0.9577648	1	678 tags=39%, list=14%, signal=45%
GSE5589_LPS_VS_LPS_AND_IL6_STIM_IL0_KO_MACR	GSE5589_LPS_VS_LPS_AND	59	0.3309606	1.3381191	0.08	0.9567075	1	627 tags=22%, list=13%, signal=25%
DURAND_STROMA_NS_UP	DURAND_STROMA_NS_UP	72	0.34125823	1.3377843	0.08555133	0.95684564	1	793 tags=28%, list=16%, signal=33%
ESC_J1_UP_LATE_V1_UP	ESC_J1_UP_LATE_V1_UP	83	0.37011313	1.3369521	0.10912699	0.95941705	1	833 tags=24%, list=17%, signal=28%
GO_RESPONSE_TO_FLUID_SHEAR_STRESS	GO_RESPONSE_TO_FLUID_S	15	0.4897211	1.3367721	0.15040651	0.9589107	1	386 tags=27%, list=8%, signal=29%
MOLENAAR_TARGETS_OF_CCND1_AND_CDK4_UP	MOLENAAR_TARGETS_OF_C	22	0.4724604	1.3367503	0.14736842	0.95761704	1	1139 tags=45%, list=23%, signal=59%
GO_REGULATION_OF_AXON_GUIDANCE	GO_REGULATION_OF_AXO	15	0.5437979	1.3367069	0.16435644	0.9564458	1	1190 tags=60%, list=24%, signal=79%
REACTOME_NG2_SIGNALING_VIA_TRKA_FROM_THE_PI	REACTOME_NG2_SIGNALLI	22	0.44730228	1.3349996	0.13147411	0.963028	1	1470 tags=41%, list=29%, signal=58%
GO_LEADING_EDGE_MEMBRANE	GO_LEADING_EDGE_MEMB	46	0.3814607	1.3346874	0.11026616	0.96315056	1	1054 tags=30%, list=21%, signal=38%
GO_REGULATION_OF_EPITHELIAL_TO_MESENCHYMAL	GO_REGULATION_OF_EPI	26	0.41103625	1.3341995	0.11890838	0.9641541	1	1145 tags=46%, list=23%, signal=60%
LIEN_BREAST_CARCINOMA_METAPLASTIC	LIEN_BREAST_CARCINOMA	18	0.6013577	1.3337681	0.19329388	0.9646782	1	1402 tags=72%, list=28%, signal=100%
IWANAGA_CARCIANOGENESIS_BY_KRAS_DN	IWANAGA_CARCIANOGENE	31	0.41716554	1.3336164	0.14007781	0.9639522	1	1437 tags=55%, list=29%, signal=76%
ACTG7MIR_27A_MIR_27B	ACTG7MIR_27A_MIR_27I	128	0.3139488	1.333212	0.06500956	0.9644467	1	893 tags=28%, list=18%, signal=33%
KAECH_NAIVE_VS_DAV15_EFF_CD8_TCELL_UP	KAECH_NAIVE_VS_DAV15_	45	0.3542962	1.3330649	0.11287129	0.96377623	1	445 tags=24%, list=9%, signal=21%
GSE14350_TREG_VS_TEFF_DN	GSE14350_TREG_VS_TEFF_	50	0.530751	1.3326287	0.08379889	0.9644845	1	924 tags=36%, list=18%, signal=44%
WATANABE_COLON_CANCER_MSI_VS_MSS_UP	WATANABE_COLON_CANCI	16	0.45297885	1.3323067	0.14694656	0.9646724	1	313 tags=19%, list=6%, signal=20%
GSE27670_CTRL_VS_LMP1_TRANSDUCED_GC_BCELL_D	GSE27670_CTRL_VS_LMP1	48	0.35448745	1.3322287	0.08782435	0.9636591	1	1545 tags=52%, list=31%, signal=75%
LEE_BMP2_TARGETS_UP	LEE_BMP2_TARGETS_UP	327	0.312125667	1.3322161	0.1332008	0.9623517	1	1350 tags=39%, list=27%, signal=49%
GSE18893_CTRL_VS_TNF_TF	GSE18893_CTRL_VS_TNF_	27	0.4034278	1.3319216	0.108	0.96240926	1	88 tags=15%, list=2%, signal=15%
ONKEN_UVEAL_MELANOMA_DN	ONKEN_UVEAL_MELANOM	130	0.3434455	1.3317076	0.11871228	0.96201634	1	1410 tags=44%, list=28%, signal=59%
GO_NEGATIVE_REGULATION_OF_CELLULAR_RESPONSE	GO_NEGATIVE_REGULATIO	50	0.4108373	1.3316985	0.168	0.9606821	1	741 tags=30%, list=15%, signal=35%
GCANCTGNY_VSMYO_Q6	GCANCTGNY_VSMYO_Q6	274	0.28660497	1.331482	0.04371585	0.96038425	1	1325 tags=34%, list=26%, signal=44%
GSE21927_SPLENIC_VS_TUMOR_MONOCYTES_FROM_C	GSE21927_SPLENIC_VS_TU	27	0.48237064	1.3313828	0.18383838	0.9594702	1	772 tags=33%, list=15%, signal=39%
GAUSSMANN_MLL_A4_FUSION_TARGETS_UP	GAUSSMANN_MLL_A4_FU	48	0.42289722	1.331236	0.17943548	0.95880926	1	887 tags=35%, list=18%, signal=43%
GSE41867_NAIVE_VS_DAV15_LCMV_ARMSTRONG_EFFE	GSE41867_NAIVE_VS_DAV	41	0.40273246	1.3308117	0.12747253	0.95938665	1	1195 tags=39%, list=24%, signal=51%
GO_SMOOTHENED_SIGNALING_PATHWAY	GO_SMOOTHENED_SIGNAL	21	0.41753972	1.3305924	0.11411993	0.95910966	1	804 tags=33%, list=16%, signal=40%
GO_REGULATION_OF_GLYCOSE_METABOLIC_PROCESS	GO_REGULATION_OF_GLUC	37	0.41397878	1.3305496	0.14428858	0.957932	1	1367 tags=46%, list=27%, signal=63%
VSCOMP1_01	VSCOMP1_01	41	0.38790524	1.3303152	0.13059701	0.95771354	1	970 tags=32%, list=19%, signal=39%
MODULE_37	MODULE_37	138	0.31870624	1.3287701	0.0734127	0.96368235	1	1282 tags=34%, list=26%, signal=45%
GO_BETA_CATENIN_BINDING	GO_BETA_CATENIN_BINDI	30	0.3825098	1.3286239	0.11178862	0.962723	1	1314 tags=34%, list=26%, signal=43%
GO_POSITIVE_REGULATION_OF_LIPID_METABOLIC_PRO	GO_POSITIVE_REGULATION	49	0.3808801	1.3285701	0.13957936	0.9615933	1	1460 tags=39%, list=29%, signal=54%
MOOTHA_MITOCHONDRIA	MOOTHA_MITOCHONDRIA	59	0.3666573	1.3284788	0.12720157	0.96070606	1	1467 tags=44%, list=29%, signal=62%
KEGG_COMPLEMENT_AND_COAGULATION_CASCADES	KEGG_COMPLEMENT_AND	28	0.44325011	1.328214	0.17021276	0.9607026	1	1506 tags=43%, list=30%, signal=61%
GSE41176_WT_VS_TAKI_KO_ANTIIGM_STIM_BCELL_6H	GSE41176_WT_VS_TAKI_K	55	0.38268018	1.3280587	0.14712153	0.96011466	1	854 tags=33%, list=17%, signal=39%
GO_REGULATION_OF_CARBHYDRATE_BIOSYNTHETIC	GO_REGULATION_OF_CARB	28	0.42651328	1.3278176	0.15445544	0.95990026	1	1383 tags=43%, list=28%, signal=59%
GSE27786_NKTCCELL_VS_ERYTHROBLAST_DN	GSE27786_NKTCCELL_VS_	55	0.3560649	1.3271879	0.13555992	0.9615202	1	1289 tags=38%, list=26%, signal=51%
GO_REGULATION_OF_CELLULAR_AMINE_METABOLIC_P	GO_REGULATION_OF_CELL	16	0.44665125	1.3270984	0.12992126	0.96056575	1	605 tags=25%, list=12%, signal=28%
YNGTTNNNAT_UNKNOWN	YNGTTNNNAT_UNKNOWN	132	0.3149096	1.327027	0.10251451	0.9595378	1	977 tags=27%, list=20%, signal=33%
SHEPARD_BMYB_MORPHOLINO_UP	SHEPARD_BMYB_MORPHOI	47	0.34653962	1.3269814	0.0956023	0.9584154	1	972 tags=30%, list=19%, signal=37%
ENGELMANN_CANCER_PROGENITORS_DN	ENGELMANN_CANCER_PRC	43	0.38906	1.3269176	0.13914657	0.9574146	1	638 tags=21%, list=13%, signal=24%
GSE26928_EFF_MEMORY_VS_CCR5_POS_CD4_TCELL_D	GSE26928_EFF_MEMORY_V	41	0.37252244	1.3261607	0.09792844	0.95956486	1	792 tags=29%, list=16%, signal=34%
GO_PIGMENTATION	GO_PIGMENTATION	24	0.42432955	1.3260661	0.13688213	0.95865685	1	304 tags=21%, list=6%, signal=22%
CAIRO_HEPATOBLASTOMA_DN	CAIRO_HEPATOBLASTOMA	115	0.34579572	1.3257326	0.11538462	0.9589014	1	1102 tags=33%, list=22%, signal=41%
AAGCAAT_MIR-137	AAGCAAT_MIR-137	59	0.3728326	1.3255333	0.12695312	0.95855725	1	859 tags=29%, list=17%, signal=34%
PIGF_UP_V1_UP	PIGF_UP_V1_UP	54	0.39813223	1.3253486	0.1402439	0.9581082	1	1363 tags=39%, list=27%, signal=53%
GO_RESPONSE_TO_TRANSFORMING_GROWTH_FACTOR	GO_RESPONSE_TO_TRANSF	53	0.3781439	1.3241899	0.15134099	0.9622953	1	854 tags=32%, list=17%, signal=38%
WANG_LMO4_TARGETS_UP	WANG_LMO4_TARGETS_UP	80	0.33533132	1.3241756	0.09917355	0.9610269	1	469 tags=21%, list=9%, signal=23%
RICKMAN_TUMOR_DIFFERENTIATED_MODERATELY_VS	RICKMAN_TUMOR_DIFFERE	33	0.48835366	1.3236529	0.21343873	0.9621906	1	1274 tags=52%, list=25%, signal=69%
GO_POSITIVE_REGULATION_OF_ESTABLISHMENT_OF_P	GO_POSITIVE_REGULATION	163	0.33065468	1.3236225	0.1183432			

GO_REGULATION_OF_OSTEOPROGENESIS	GO_REGULATION_OF_OSTEOPROGENESIS	48	0.39952996	1.3177797	0.16795367	0.960915	1	1206 tags=40%, list=24%, signal=52%
GO_SECRETION	GO_SECRETION	211	0.30103284	1.3172693	0.10619469	0.9619179	1	1508 tags=39%, list=30%, signal=54%
GO_BONE_MORPHOGENESIS	GO_BONE_MORPHOGENESIS	30	0.4154145	1.3169587	0.13779527	0.96205467	1	1145 tags=37%, list=23%, signal=47%
JECHLINGER_EPITHELIAL_TO_MESENCHYMAL_TRANSITION	JECHLINGER_EPITHELIAL_TRANSITION	31	0.4203538	1.3168365	0.18003914	0.9613018	1	1132 tags=45%, list=23%, signal=58%
GSE11884_WT_VS_FURIN_KO_NAIVE_CD4_TCELL_DN	GSE11884_WT_VS_FURIN_KO_NAIVE_CD4_TCELL_DN	30	0.38343406	1.3167949	0.14867617	0.96021855	1	357 tags=17%, list=7%, signal=18%
GO_NEPHRON_EPITHELIUM_DEVELOPMENT	GO_NEPHRON_EPITHELIUM_DEVELOPMENT	42	0.36475435	1.3164983	0.1252485	0.9602429	1	958 tags=29%, list=19%, signal=35%
GO_DEVELOPMENTAL_MATURATION	GO_DEVELOPMENTAL_MATURATION	65	0.32468895	1.3157974	0.08442777	0.96214455	1	386 tags=15%, list=8%, signal=16%
GSE43955_THO_VS_TGFBR1L6_TH17_ACT_CD4_TCELL_IH	GSE43955_THO_VS_TGFBR1L6_TH17_ACT_CD4_TCELL_IH	68	0.2983258	1.3154209	0.1091954	0.9626657	1	999 tags=32%, list=20%, signal=40%
PECE_MAMMARY_STEM_CELL_DN	PECE_MAMMARY_STEM_CELL_DN	32	0.35449285	1.314494	0.19635628	0.9656282	1	1246 tags=44%, list=25%, signal=58%
GSE45365_WT_VS_IFNAR_KO_CD11B_CD4_MCMV_INFEC	GSE45365_WT_VS_IFNAR_KO_CD11B_CD4_MCMV_INFEC	26	0.3988205	1.3140565	0.13278009	0.96635765	1	1178 tags=42%, list=24%, signal=55%
SENESC_HDAC1_TARGETS_DN	SENESC_HDAC1_TARGETS_DN	99	0.3696856	1.3138994	0.15885948	0.96582234	1	1207 tags=43%, list=24%, signal=56%
GSE7460_FOXP3_MUT_VS_WT_ACT_TCONV_DN	GSE7460_FOXP3_MUT_VS_WT_ACT_TCONV_DN	61	0.35356697	1.3137972	0.11023622	0.9650463	1	883 tags=28%, list=18%, signal=33%
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_QTL_TRANS	BYSTRYKH_HEMATOPOIESIS_STEM_CELL_QTL_TRANS	199	0.2843447	1.3136256	0.0671785	0.9645446	1	1358 tags=34%, list=27%, signal=45%
PLASARL_NFIC_TARGETS_BASAL_UP	PLASARL_NFIC_TARGETS_BASAL_UP	18	0.4531253	1.313469	0.14933838	0.96397334	1	938 tags=39%, list=19%, signal=48%
STREICHER_LSM1_TARGETS_UP	STREICHER_LSM1_TARGETS_UP	24	0.39121234	1.313216	0.11088296	0.9638513	1	942 tags=33%, list=19%, signal=41%
GO_CARDIAC_CONDUCTION	GO_CARDIAC_CONDUCTION	32	0.4035409	1.3131737	0.12454213	0.96278197	1	1366 tags=50%, list=27%, signal=68%
GSE31622_WT_VS_KLF3_KO_BCELL_UP	GSE31622_WT_VS_KLF3_KO_BCELL_UP	58	0.3547482	1.3126686	0.12790698	0.96385163	1	1495 tags=45%, list=30%, signal=63%
LEE_AGING_MUSCLE_UP	LEE_AGING_MUSCLE_UP	16	0.4941811	1.3125441	0.18162839	0.96312994	1	1400 tags=56%, list=28%, signal=79%
GSE37301_HEMATOPOIETIC_STEM_CELL_VS_COMMON	GSE37301_HEMATOPOIETIC_STEM_CELL_VS_COMMON	48	0.37386328	1.3123314	0.12909836	0.9628397	1	1427 tags=35%, list=29%, signal=49%
GO_INTRACELLULAR_RECEPTOR_SIGNALING_PATHWAY	GO_INTRACELLULAR_RECEPTOR_SIGNALING_PATHWAY	35	0.3628021	1.3121125	0.11850312	0.9625904	1	540 tags=20%, list=11%, signal=22%
GSE28130_ACTIVATED_VS_INDUCED_TREG_DN	GSE28130_ACTIVATED_VS_INDUCED_TREG_DN	73	0.3232747	1.312059	0.1009901	0.96160036	1	1105 tags=30%, list=22%, signal=38%
GSE11961_MEMORY_BCELL_DAY7_VS_GERMINALCENT	GSE11961_MEMORY_BCELL_DAY7_VS_GERMINALCENT	45	0.34299862	1.3115172	0.11387163	0.96277696	1	1117 tags=36%, list=22%, signal=45%
MODULE_23	MODULE_23	251	0.29783157	1.311154	0.1	0.96315324	1	1218 tags=30%, list=24%, signal=38%
BCAT_GD5748_UP	BCAT_GD5748_UP	25	0.40266755	1.3111086	0.13733076	0.96212345	1	1003 tags=32%, list=20%, signal=34%
GSE37301_PRO_BCELL_VS_GRANULOCYTE_MONOCYTE	GSE37301_PRO_BCELL_VS_GRANULOCYTE_MONOCYTE	47	0.35133216	1.3110956	0.10901468	0.9609326	1	445 tags=19%, list=9%, signal=21%
CAGCCTC_MIR-485-5P	CAGCCTC_MIR-485-5P	28	0.41593724	1.310906	0.13916501	0.9604832	1	983 tags=32%, list=20%, signal=40%
CHR9Q22	CHR9Q22	16	0.46622285	1.3107672	0.16904277	0.95989335	1	804 tags=44%, list=16%, signal=52%
REACTOME_SIGNALING_BY_PDGF	REACTOME_SIGNALING_BY_PDGF	32	0.43922085	1.3106747	0.1961165	0.9590877	1	1402 tags=50%, list=28%, signal=69%
GO_REGULATION_OF_RENAL_SYSTEM_PROCESS	GO_REGULATION_OF_RENAL_SYSTEM_PROCESS	19	0.46503195	1.3102995	0.17948718	0.95955175	1	386 tags=21%, list=8%, signal=23%
ZHU_CMV_24_HR_DN	ZHU_CMV_24_HR_DN	47	0.43575335	1.3102723	0.21428572	0.9584581	1	1634 tags=60%, list=33%, signal=88%
GSE3982_CENT_MEMORY_CD4_TCELL_VS_TH2_UP	GSE3982_CENT_MEMORY_CD4_TCELL_VS_TH2_UP	61	0.36974415	1.3100677	0.158	0.9582329	1	640 tags=23%, list=13%, signal=26%
GO_NEGATIVE_REGULATION_OF_COAGULATION	GO_NEGATIVE_REGULATION_OF_COAGULATION	21	0.4260035	1.3096597	0.15327103	0.9588853	1	357 tags=19%, list=7%, signal=20%
CHIANG_LIVER_CANCER_SUBCLASS_POLOSOMY_UP	CHIANG_LIVER_CANCER_SUBCLASS_POLOSOMY_UP	28	0.4128743	1.3092991	0.1027668	0.9592589	1	873 tags=36%, list=17%, signal=43%
HADDAD_T_LYMPHOCTE_AND_NK_PROGENITOR_UP	HADDAD_T_LYMPHOCTE_AND_NK_PROGENITOR_UP	34	0.39726558	1.3092611	0.1384616	0.958212	1	1502 tags=59%, list=30%, signal=84%
GO_TRANSITION_METAL_ION_HOMEOSTASIS	GO_TRANSITION_METAL_ION_HOMEOSTASIS	36	0.36585307	1.3090423	0.1206544	0.9579914	1	780 tags=31%, list=16%, signal=36%
GO_EXCITATORY_SYNAPSE	GO_EXCITATORY_SYNAPSE	65	0.3566545	1.3085955	0.13218391	0.95878	1	1545 tags=46%, list=28%, signal=66%
GO_NEGATIVE_REGULATION_OF_WOUND_HEALING	GO_NEGATIVE_REGULATION_OF_WOUND_HEALING	25	0.43196183	1.3085647	0.15917604	0.95768976	1	386 tags=20%, list=8%, signal=22%
VSRFX1_01	VSRFX1_01	75	0.31939292	1.3085513	0.09038462	0.9565325	1	1074 tags=31%, list=21%, signal=38%
SCHLESINGER_METHYLATED_DE_NOVO_IN_CANCER	SCHLESINGER_METHYLATED_DE_NOVO_IN_CANCER	50	0.3494128	1.3082688	0.15209125	0.95660454	1	831 tags=26%, list=17%, signal=31%
REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATED	REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATED	20	0.4613601	1.3079693	0.15896489	0.9567875	1	1783 tags=60%, list=36%, signal=93%
CRX_NRL_DN_V1_DN	CRX_NRL_DN_V1_DN	51	0.35272473	1.3074988	0.12426036	0.9576669	1	562 tags=22%, list=11%, signal=24%
CATTTCAMIR-203	CATTTCAMIR-203	67	0.36276683	1.3069603	0.12357415	0.9588956	1	1294 tags=42%, list=26%, signal=56%
NAKAJIMA_MAST_CELL	NAKAJIMA_MAST_CELL	28	0.39828162	1.306885	0.17816092	0.9580246	1	1467 tags=50%, list=29%, signal=70%
GSE1740_MCSF_VS_MCSF_AND_IFNG_DAY2_DERIVED_J	GSE1740_MCSF_VS_MCSF_AND_IFNG_DAY2_DERIVED_J	37	0.3703236	1.3065723	0.13426854	0.95816267	1	584 tags=24%, list=12%, signal=26%
GO_POSITIVE_REGULATION_OF_SMOOTH_MUSCLE_CELL	GO_POSITIVE_REGULATION_OF_SMOOTH_MUSCLE_CELL	25	0.46789443	1.3063936	0.14481409	0.9577335	1	540 tags=27%, list=11%, signal=30%
GO_RECEPTOR_METABOLIC_PROCESS	GO_RECEPTOR_METABOLIC_PROCESS	25	0.43267718	1.3063923	0.16635859	0.9565356	1	881 tags=44%, list=18%, signal=33%
GO_THYMOCYTE_AGGREGATION	GO_THYMOCYTE_AGGREGATION	19	0.49354333	1.3061683	0.16770187	0.9562995	1	741 tags=26%, list=15%, signal=31%
GO_T_CELL_DIFFERENTIATION_IN_THYMUS	GO_T_CELL_DIFFERENTIATION_IN_THYMUS	19	0.49354333	1.3061683	0.16770187	0.9562995	1	741 tags=26%, list=15%, signal=31%
TORCHIA_TARGETS_OF_EWSR1_FL11_FUSION_UP	TORCHIA_TARGETS_OF_EWSR1_FL11_FUSION_UP	88	0.2060575	1.3061212	0.07862903	0.9541278	1	1404 tags=36%, list=28%, signal=50%
VSHSF2_01	VSHSF2_01	74	0.20270205	1.3061168	0.09409594	0.95295066	1	1085 tags=36%, list=22%, signal=46%
GSE23114_WT_VS_SLE2C1_MOUSE_PERITONEAL_CAVIT	GSE23114_WT_VS_SLE2C1_MOUSE_PERITONEAL_CAVIT	63	0.34158933	1.3060354	0.10040161	0.95214874	1	1030 tags=32%, list=21%, signal=39%
GO_RESPONSE_TO_ESTRODIAL	GO_RESPONSE_TO_ESTRODIAL	67	0.34650418	1.3060063	0.14228457	0.95112365	1	848 tags=34%, list=17%, signal=41%
GO_TRANSCRIPTIONAL_REPRESSOR_COMPLEX	GO_TRANSCRIPTIONAL_REPRESSOR_COMPLEX	15	0.46092665	1.3058319	0.15306123	0.95066077	1	826 tags=40%, list=17%, signal=48%
IGLESIA5_E2F_TARGETS_UP	IGLESIA5_E2F_TARGETS_UP	61	0.4178529	1.3056593	0.21756487	0.950261	1	1163 tags=38%, list=23%, signal=49%
GO_POSITIVE_REGULATION_OF_SYNAPSE_ASSEMBLY	GO_POSITIVE_REGULATION_OF_SYNAPSE_ASSEMBLY	31	0.403705106	1.3056114	0.17782027	0.9492846	1	1492 tags=45%, list=30%, signal=64%
MORF_IL13	MORF_IL13	55	0.32797075	1.3055662	0.09433962	0.94835335	1	545 tags=16%, list=11%, signal=18%
ACTTTAT_MIR-142-5P	ACTTTAT_MIR-142-5P	69	0.3514946	1.3047777	0.11218569	0.95066994	1	1020 tags=33%, list=20%, signal=41%
GO_REACTIVE_OXYGEN_SPECIES_METABOLIC_PROCESS	GO_REACTIVE_OXYGEN_SPECIES_METABOLIC_PROCESS	43	0.34728068	1.3045884	0.11523438	0.95030695	1	1046 tags=30%, list=21%, signal=38%
GSE24671_CTRL_VS_SENDAVIRUS_INFECTED_MOUSE	GSE24671_CTRL_VS_SENDAVIRUS_INFECTED_MOUSE	27	0.40792827	1.3045652	0.14677104	0.9492399	1	681 tags=30%, list=21%, signal=34%
GSE27786_LSK_VS_NEUTROPHIL_UP	GSE27786_LSK_VS_NEUTROPHIL_UP	31	0.37176135	1.3044894	0.11417323	0.9484131	1	367 tags=19%, list=7%, signal=21%
GO_DORSAL_VENTRAL_PATTERN_FORMATION	GO_DORSAL_VENTRAL_PATTERN_FORMATION	36	0.38751534	1.3040996	0.14827298	0.94895077	1	850 tags=33%, list=17%, signal=40%
REACTOME_GENERIC_TRANSCRIPTION_PATHWAY	REACTOME_GENERIC_TRANSCRIPTION_PATHWAY	51	0.37477285	1.3040005	0.1838843	0.94824576	1	1453 tags=39%, list=29%, signal=55%
GSE27786_BCELL_VS_CD8_T	GSE27786_BCELL_VS_CD8_T	47	0.35235697	1.3038622	0.09730849	0.94766176	1	1139 tags=32%, list=23%, signal=41%
GSE6875_TCONV_VS_TREG_DN	GSE6875_TCONV_VS_TREG_DN	59	0.33447313	1.3036802	0.08900524	0.94734657	1	561 tags=22%, list=11%, signal=25%
GSE46606_IRF4HIGH_VS_WT_CD40L_IL2_IL5_DAY3_STIM	GSE46606_IRF4HIGH_VS_WT_CD40L_IL2_IL5_DAY3_STIM	45	0.3382855	1.3034585	0.13580246	0.9472144	1	861 tags=29%, list=17%, signal=35%
GO_POSITIVE_REGULATION_OF_PURINE_NUCLEOTIDE_J	GO_POSITIVE_REGULATION_OF_PURINE_NUCLEOTIDE_J	49	0.3624494	1.3032213	0.13565892	0.9471459	1	1592 tags=43%, list=32%, signal=62%
GO_POSITIVE_REGULATION_OF_NUCLEOTIDE_METABO_J	GO_POSITIVE_REGULATION_OF_NUCLEOTIDE_METABO_J	49	0.36244938	1.3032212	0.13565892	0.94598377	1	1592 tags=43%, list=32%, signal=62%
GSE14413_UNSTIM_VS_IFNB_STIM_NIH3T3_CELLS_DN	GSE14413_UNSTIM_VS_IFNB_STIM_NIH3T3_CELLS_DN	21	0.41275313	1.303166	0.13069306	0.9450568	1	1599 tags=43%, list=32%, signal=63%
GSE34515_CD16_POS_MONOCLYTE_VS_CD_DN	GSE34515_CD16_POS_MONOCLYTE_VS_CD_DN	49	0.41308564	1.30227	0.18533605	0.9478559	1	830 tags=31%, list=17%, signal=36%
GSE36476_CTRL_VS_TSST_ACT_ZH2_MEMORY_CD4_TCE	GSE36476_CTRL_VS_TSST_ACT_ZH2_MEMORY_CD4_TCE	68	0.37178436	1.3022195	0.16867469	0.946945	1	1022 tags=35%, list=20%, signal=44%
HALLMARK_ADIPOGENESIS	HALLMARK_ADIPOGENESIS	59	0.2065674	1.3021122	0.18775511	0.94625	1	1533 tags=51%, list=31%, signal=72%
GSE4142_NAIVE_BCELL_VS_PLASMA_CELL_UP	GSE4142_NAIVE_BCELL_VS_PLASMA_CELL_UP	38	0.3566395	1.301901	0.11504425	0.94612134	1	650 tags=26%, list=13%, signal=30%
FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_REJECTED_VS	FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_REJECTED_VS	155	0.31184927	1.3016654	0.08932039	0.9459523	1	1108 tags=32%, list=22%, signal=39%
GSE6259_DEC205_POS_CD4_BCELL_UP	GSE6259_DEC205_POS_CD4_BCELL_UP	53	0.3253422	1.3016365	0.10594796	0.94495296	1	636 tags=25%, list=13%, signal=28%
GSE43955_IH_VS_20H_ACT_CD4_TCELL_DN	GSE43955_IH_VS_20H_ACT_CD4_TCELL_DN	75	0.34819776	1.301552	0.12720157	0.9442166	1	1163 tags=41%, list=23%, signal=53%
GSE22611_UNSTIM_VS_6H_MDP_STIM_MUTANT_NOD2	GSE22611_UNSTIM_VS_6H_MDP_STIM_MUTANT_NOD2	54	0.34935654	1.3015431	0.11132438	0.94310385	1	886 tags=28%, list=18%, signal=33%
GSE2585_AIRE_KO_VS_WT_CD80_HIGH_MTEC_DN	GSE2585_AIRE_KO_VS_WT_CD80_HIGH_MTEC_DN	43	0.34819776	1.3014754	0.11354582	0.94225246	1	1003 tags=30%, list=20%, signal=37%
GO_MICROBODY_PART	GO_MICROBODY_PART	27	0.41721785	1.301209	0.16566867	0.94228536	1	1199 tags=44%, list=24%, signal=58%
VSDR3_Q4	VSDR3_Q4	40	0.38769328	1.3005385	0.16054158	0.942098	1	991 tags=35%, list=20%, signal=43%
GO_ENDOCRINE_PROCESS	GO_ENDOCRINE_PROCESS	21	0.4411556	1.3003945	0.14489795	0.94369644	1	690 tags=29%, list=14%, signal=33%
GO_NEGATIVE_REGULATION_OF_CELL_DIFFERENTIATIO	GO_NEGATIVE_REGULATION_OF_CELL_DIFFERENTIATIO	213	0.30930188	1.300123	0.13035019	0.94371927	1	1206 tags=33%, list=24%, signal=42%
GO_SENSORIAL_PERCEPTION_OF_TASTE	GO_SENSORIAL_PERCEPTION_OF_TASTE	19	0.4408974	1.3000481	0.15738964	0.9428992	1	1580 tags=47%, list=32%, signal=69%
GO_REGULATION_OF_OSSIFICATION	GO_REGULATION_OF_OSSIFICATION	76	0.36551034	1.3000306	0.19076306	0.9418396	1	1206 tags=36%, list=24%, signal=46%
GO_REGULATION_OF_PROTEIN_TARGETING	GO_REGULATION_OF_PROTEIN_TARGETING	82	0.3484715	1.2997876	0.13545817	0.9417593	1	951 tags=28%, list=19%, signal=34%
HOFFMANN_LARGE_TO_SMALL_BILYMPHOCTE	HOFFMANN							



GSE22501_PERIPHERAL_BLOOD_VS_CORD_BLOOD_TREI	GSE22501_PERIPHERAL_BLC	72	0.32692596	1.2956936	0.11730769	0.9330063	1	980 tags=31%, list=20%, signal=37%
GSE20198_IL12_VS_IFNA_TREATED_ACT_CD4_TCELL_UP	GSE20198_IL12_VS_IFNA_TF	20	0.381444	1.2955079	0.11368421	0.93267435	1	453 tags=25%, list=9%, signal=27%
GO_CALCULUM_ION_TRANSMEMBRANE_TRANSPORTER	GO_CALCULUM_ION_TRANSA	34	0.38611004	1.2951436	0.13369964	0.9330892	1	1516 tags=53%, list=30%, signal=75%
GSE32901_TH17_EMRICHEZ_VS_TH17_NEG_CD4_TCELL	GSE32901_TH17_EMRICHEZ	38	0.3522368	1.2949986	0.11342155	0.93261456	1	1063 tags=37%, list=21%, signal=46%
CAIRO_HEPATOBLASTOMA_CLASSES_DN	CAIRO_HEPATOBLASTOMA	95	0.38800183	1.2939276	0.20547946	0.9362286	1	1553 tags=48%, list=31%, signal=69%
GSE21033_IL1H_VS_IL1H_POLYVIC_STIM_DC_UP	GSE21033_IL1H_VS_IL1H_POL	54	0.33391246	1.2936584	0.09775967	0.9363358	1	1082 tags=33%, list=22%, signal=42%
AMBROSINI_FLAVOPIRIDOL_TREATMENT_TP53	AMBROSINI_FLAVOPIRIDOL	37	0.3669427	1.2932703	0.138833	0.9369412	1	1294 tags=43%, list=26%, signal=58%
GSE17721_POLYVIC_VS_PAM3CS4_IL1H_BMDC_UP	GSE17721_POLYVIC_VS_PAM	29	0.3896846	1.293039	0.10790410	0.9368439	1	414 tags=28%, list=8%, signal=30%
GSE25502_WT_VS_KLF13_KO_THYMIC_MEMORY_LIKE_C	GSE25502_WT_VS_KLF13_KI	55	0.34056532	1.2921982	0.11445783	0.93944216	1	993 tags=31%, list=20%, signal=40%
TIANWANNTGGM_UNKNOWN	TIANWANNTGGM_UNKNOWN	22	0.43036187	1.2917295	0.15267175	0.9403171	1	1343 tags=55%, list=27%, signal=74%
GO_NEURON_PROJECTION_GUIDANCE	GO_NEURON_PROJECTION	72	0.33797967	1.2916183	0.13539653	0.9396875	1	1054 tags=32%, list=21%, signal=46%
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUS	YAO_TEMPORAL_RESPONSE	26	0.38210672	1.2912157	0.13051823	0.94041395	1	289 tags=15%, list=6%, signal=16%
GSE12003_MIR223_KO_VS_WT_BM_PROGENITOR_4D_CI	GSE12003_MIR223_KO_VS_I	45	0.39714965	1.291203	0.16872428	0.9393802	1	477 tags=20%, list=10%, signal=22%
GO_RESPONSE_TO_CAMP	GO_RESPONSE_TO_CAMP	42	0.35564518	1.2911963	0.13846155	0.93832517	1	1294 tags=50%, list=26%, signal=67%
GO_NEGATIVE_REGULATION_OF_INTRACELLULAR_SIGN	GO_NEGATIVE_REGULATION	131	0.32500648	1.2907265	0.15010142	0.9392758	1	1253 tags=37%, list=25%, signal=48%
GSE2706_R848_VS_R848_AND_LPS_2H_STIM_DC_UP	GSE2706_R848_VS_R848_AP	30	0.3731123	1.2904329	0.13051823	0.93953556	1	1251 tags=37%, list=25%, signal=49%
GO_DEPHOSPHORYLATION	GO_DEPHOSPHORYLATION	64	0.32849056	1.2899246	0.11363637	0.9406174	1	541 tags=19%, list=11%, signal=21%
GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MC	GSE29618_PRE_VS_DAY7_P	36	0.36489353	1.2897114	0.14925373	0.9404124	1	503 tags=25%, list=10%, signal=28%
ATGCTGG_MIR-338	ATGCTGG_MIR-338	26	0.40464887	1.2896633	0.13721804	0.93953	1	1408 tags=50%, list=28%, signal=69%
GSE22611_NOD2_TRANS_D_VS_CTRL_TRANS_D_HEK293_I	GSE22611_NOD2_TRANS_D_MODULE_109	44	0.35245528	1.2890692	0.12228797	0.9410542	1	433 tags=18%, list=9%, signal=26%
GSE22611_NOD2_TRANS_D_VS_CTRL_TRANS_D_HEK293_I	GSE22611_NOD2_TRANS_D_MODULE_109	21	0.44330814	1.2890401	0.20833333	0.9400926	1	661 tags=33%, list=13%, signal=38%
GO_POSITIVE_REGULATION_OF_SYNAPTIC_TRANSMISSI	GO_POSITIVE_REGULATION	36	0.3935722	1.2886976	0.18392856	0.94048643	1	540 tags=19%, list=11%, signal=21%
GSE27670_CTRL_VS_BLMIP1_TRANS_DUCED_GC_BCELL_I	GSE27670_CTRL_VS_BLMIP1_SCHAEFFER_PROSTATE_DEVELOPMENT_48R_UP	69	0.34681115	1.2884139	0.14741036	0.9406347	1	1512 tags=48%, list=30%, signal=68%
SCHAEFFER_PROSTATE_DEVELOPMENT_48R_UP	SCHAEFFER_PROSTATE_DEVELOPMENT_48R_UP	238	0.28832394	1.2877691	0.10982659	0.9424133	1	741 tags=21%, list=15%, signal=23%
GSE22432_UNTREATED_VS_TGFB1_TREATED_COMMON	GSE22432_UNTREATED_VS_IF	42	0.3922255	1.2876971	0.1809145	0.94165826	1	813 tags=29%, list=16%, signal=34%
GSE4984_GALECTIN1_VS_LPS_STIM_DC_UP	GSE4984_GALECTIN1_VS_LF	21	0.4085929	1.2875274	0.1521739	0.9413122	1	632 tags=24%, list=13%, signal=27%
GSE29618_PRE_VS_DAY7_FLU_VACCINE_MONOCYTE_DI	GSE29618_PRE_VS_DAY7_FL	34	0.34974754	1.2874318	0.11827957	0.9406521	1	427 tags=24%, list=9%, signal=26%
GO_SYNAPTIC_MEMBRANE	GO_SYNAPTIC_MEMBRANE	86	0.34620446	1.2873452	0.14963503	0.93997073	1	1492 tags=41%, list=30%, signal=57%
GO_CELL_MATURATION	GO_CELL_MATURATION	51	0.3248729	1.2871871	0.0940499	0.9395769	1	533 tags=18%, list=11%, signal=20%
GO_TRANS_GOLGI_NETWORK	GO_TRANS_GOLGI_NETWORK	42	0.35340157	1.2867552	0.13359529	0.9403827	1	634 tags=24%, list=13%, signal=27%
GSE41867_DAY6_VS_DAY15_LCMV_CLONE13_EFFECTO	GSE41867_DAY6_VS_DAY15_SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM4	58	0.3340044	1.286707	0.12144212	0.9395105	1	1277 tags=33%, list=26%, signal=43%
SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM4	SHETH_LIVER_CANCER_VS_T	96	0.3489834	1.2865998	0.134357	0.938925	1	980 tags=34%, list=20%, signal=42%
REACTOME_P75_NTR_RECEPTOR_MEDIATED_SIGNALIN	REACTOME_P75_NTR_RECEI	17	0.40902132	1.2862488	0.13737373	0.9393996	1	276 tags=24%, list=6%, signal=15%
ROSS_AML_WITH_AML1_ETO_FUSION	ROSS_AML_WITH_AML1_ET	33	0.37703532	1.2859906	0.13182674	0.9394616	1	358 tags=18%, list=7%, signal=19%
ZHANG_BREAST_CANCER_PROGNETORINS_DN	ZHANG_BREAST_CANCER_F	29	0.3762524	1.2848802	0.14791666	0.9431686	1	509 tags=24%, list=10%, signal=27%
GSE21774_CD56_BRIGHT_VS_DIM_CD62L_POSITIVE_NK	GSE21774_CD56_BRIGHT_V	61	0.34713334	1.2847599	0.12804878	0.9426512	1	1361 tags=43%, list=27%, signal=58%
GSE13485_CTRL_VS_DAY21_YF17D_VACCINE_PBMC_DN	GSE13485_CTRL_VS_DAY21	45	0.35783783	1.2847326	0.13962264	0.94171375	1	678 tags=18%, list=14%, signal=30%
GSE3982_MAST_CELL_VS_NKCELL_UP	GSE3982_MAST_CELL_VS_N	50	0.35013086	1.2845346	0.15047619	0.941544	1	985 tags=32%, list=20%, signal=39%
GSE6259_FLT3L_INDUCED_GC205_POS_DC_VS_CD8_T	GSE6259_FLT3L_INDUCED_I	32	0.3889148	1.2837298	0.12929294	0.9439325	1	1195 tags=34%, list=24%, signal=45%
GSE21927_UNTREATED_VS_DIM_CD62L_POSITIVE_NK	GSE21927_UNTREATED_BO	52	0.34656512	1.283701	0.1137339	0.94301075	1	777 tags=29%, list=16%, signal=34%
GO_PRESYNAPTIC_MEMBRANE	GO_PRESYNAPTIC_MEMBR	18	0.4619344	1.2833989	0.19739293	0.94323516	1	1486 tags=44%, list=30%, signal=63%
GO_GLANDULAR_EPITHELIAL_CELL_DIFFERENTIATION	GO_GLANDULAR_EPITHELIA	22	0.42532027	1.2826998	0.17276423	0.9451074	1	876 tags=32%, list=18%, signal=38%
GO_PROTEIN_DEPHOSPHORYLATION	GO_PROTEIN_DEPHOSPHO	38	0.35968924	1.282583	0.15010142	0.9445452	1	503 tags=18%, list=10%, signal=20%
MODULE_243	MODULE_243	16	0.4662771	1.2825465	0.17481203	0.9436419	1	1623 tags=63%, list=32%, signal=92%
MODULE_49	MODULE_49	86	0.31766286	1.2824086	0.10251451	0.94316274	1	1269 tags=35%, list=25%, signal=46%
PID_CMYB_PATHWAY	PID_CMYB_PATHWAY	26	0.3705259	1.28233	0.134357	0.9424614	1	882 tags=27%, list=18%, signal=33%
GSE17721_CTRL_VS_LPS_4H_BMDC_UP	GSE17721_CTRL_VS_LPS_4H	27	0.4169677	1.2821997	0.18979591	0.9420113	1	689 tags=33%, list=14%, signal=38%
GO_RHO_GUANYL_NUCLEOTIDE_EXCHANGE_FACTOR_I	GO_RHO_GUANYL_NUCLEO	19	0.40279418	1.2820817	0.14314929	0.9414613	1	276 tags=21%, list=6%, signal=22%
GO_CELLULAR_TRANSITION_METAL_ION_HOMEOSTASI	GO_CELLULAR_TRANSITION	29	0.37539768	1.281518	0.13562752	0.9428021	1	780 tags=31%, list=16%, signal=37%
GO_HEMOSTASIS	GO_HEMOSTASIS	92	0.34421906	1.2814987	0.17601547	0.9418407	1	1379 tags=35%, list=28%, signal=47%
SHEDDEN_LUNG_CANCER_GOOD_SURVIVAL_A4	SHEDDEN_LUNG_CANCER_I	64	0.38088695	1.2807735	0.13779527	0.9439453	1	1304 tags=41%, list=26%, signal=55%
TSUNODA_CISPLATIN_RESISTANCE_DN	TSUNODA_CISPLATIN_RESI	28	0.40191576	1.2806711	0.19294606	0.9433527	1	658 tags=36%, list=13%, signal=41%
GSE22611_NOD2_VS_MUTANT_NOD2_TRANS_DUCED_I	GSE22611_NOD2_VS_MUTA	45	0.32821116	1.280599	0.10169491	0.9426058	1	643 tags=27%, list=13%, signal=30%
GSE7460_CTRL_VS_TGFB_TREATED_ACT_FOXP3_HET_TC	GSE7460_CTRL_VS_TGFB_TF	41	0.3243733	1.2799338	0.102161	0.9444726	1	392 tags=20%, list=8%, signal=21%
GSE24634_NAIVE_CD4_TCELL_VS_DAY10_IL4_CONV_T	GSE24634_NAIVE_CD4_TCE	71	0.3071732	1.2797993	0.10916179	0.9439774	1	650 tags=23%, list=13%, signal=26%
GSE17186_NAIVE_VS_CD21HIGH_TRANSITIONAL_BCELL	GSE17186_NAIVE_VS_CD21	30	0.38421917	1.2793211	0.15212981	0.94489187	1	1133 tags=40%, list=23%, signal=51%
GO_NEGATIVE_REGULATION_OF_OSSIFICATION	GO_NEGATIVE_REGULATION	22	0.42596662	1.278963	0.18711019	0.9453981	1	1541 tags=55%, list=31%, signal=78%
GSE6674_UNSTIM_VS_PL2_3_STIM_BCELL_UP	GSE6674_UNSTIM_VS_PL2_I	30	0.38758764	1.2788831	0.16432866	0.94469935	1	662 tags=23%, list=13%, signal=27%
GSE27786_LSK_VS_BCELL_UP	GSE27786_LSK_VS_BCELL_U	44	0.31236708	1.2785733	0.09881423	0.94495595	1	508 tags=18%, list=10%, signal=20%
GO_NEUROTRANSMITTER_TRANSPORT	GO_NEUROTRANSMITTER_I	45	0.3707971	1.2780178	0.16216215	0.9463001	1	1508 tags=49%, list=30%, signal=69%
GO_RESPONSE_TO_HORMONE	GO_RESPONSE_TO_HORMC	329	0.28198835	1.2775557	0.11531191	0.94720834	1	1131 tags=32%, list=23%, signal=43%
GSE15930_NAIVE_VS_24H_IN_VITRO_STIM_CD8_TCELL_I	GSE15930_NAIVE_VS_24H_I	58	0.3238527	1.2773626	0.13414635	0.94700825	1	258 tags=12%, list=5%, signal=13%
GO_RAS_GUANYL_NUCLEOTIDE_EXCHANGE_FACTOR_A	GO_RAS_GUANYL_NUCLEO	70	0.31059957	1.277039	0.10786106	0.947393	1	497 tags=17%, list=10%, signal=19%
KEGG_LONG_TERM_DEPRESSION	KEGG_LONG_TERM_DEPRES	19	0.4187847	1.2764543	0.16757742	0.9488474	1	1319 tags=42%, list=26%, signal=57%
GSE22229_RENAL_TRANSPLANT_VS_HEALTHY_PBMC_D	GSE22229_RENAL_TRANSPL	45	0.33861493	1.2762923	0.13742071	0.9485143	1	967 tags=29%, list=19%, signal=35%
MODULE_120	MODULE_120	24	0.3882565	1.2759273	0.14038461	0.9490069	1	992 tags=38%, list=20%, signal=47%
GO_FEMALE_SEX_DIFFERENTIATION	GO_FEMALE_SEX_DIFFEREN	54	0.32904473	1.2757298	0.13099632	0.9488532	1	848 tags=28%, list=17%, signal=33%
GSE36009_WT_VS_NLRP10_KO_DC_LPS_STIM_DN	GSE36009_WT_VS_NLRP10_I	37	0.33487353	1.2747136	0.1362764	0.9522223	1	1157 tags=38%, list=23%, signal=49%
GO_REGULATION_OF_FAT_CELL_DIFFERENTIATION	GO_REGULATION_OF_FAT_C	46	0.38952455	1.2746006	0.1877637	0.9516853	1	1206 tags=37%, list=24%, signal=48%
BMI1_DN_V1_DN	BMI1_DN_V1_DN	74	0.3461825	1.2745545	0.16932271	0.95085335	1	1251 tags=35%, list=25%, signal=46%
GSE19941_IL10_KO_VS_IL10_KO_AND_NFKB_P50_KO_LPS	GSE19941_IL10_KO_VS_IL10	61	0.3474035	1.2741988	0.15337424	0.9513674	1	990 tags=31%, list=20%, signal=38%
KEGG_DILATED_CARDIOMYOPATHY	KEGG_DILATED_CARDIOMY	35	0.3822464	1.2731223	0.17343174	0.9550117	1	1398 tags=46%, list=28%, signal=63%
WAKABAYASHI_ADIPOGENESIS_PPARG_RXRA_BOUND	WAKABAYASHI_ADIPOGENI	19	0.41427493	1.2730561	0.17063493	0.9542954	1	1511 tags=58%, list=30%, signal=83%
FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_OK_VS_DO	FLECHNER_BIOPSY_KIDNEY	116	0.3522583	1.272709	0.19294606	0.9547564	1	1012 tags=31%, list=20%, signal=38%
GSE8678_IL7R_LOW_VS_HIGH_EFF_CD8_TCELL_UP	GSE8678_IL7R_LOW_VS_HI	61	0.31916797	1.2718701	0.12689394	0.9573201	1	840 tags=26%, list=17%, signal=31%
GSE3982_MAC_VS_EFF_MEMORY_CD4_TCELL_UP	GSE3982_MAC_VS_EFF_ME	48	0.3603226	1.2717792	0.15612648	0.95667464	1	1108 tags=33%, list=22%, signal=42%
GSE45881_CXCR6H_VS_CXCR10L_COLONIC_LAMINA_F	GSE45881_CXCR6H_VS_CX	29	0.42398992	1.2716974	0.19758065	0.95598644	1	1244 tags=34%, list=25%, signal=46%
GSE21774_CD56_BRIGHT_VS_DIM_CD62L_POSITIVE_NK	GSE21774_CD56_BRIGHT_V	47	0.32378942	1.271422	0.10973085	0.956129	1	731 tags=28%, list=15%, signal=32%
GSE21927_UNTREATED_VS_GM-CSF_IL6_TREATED_BONE	GSE21927_UNTREATED_VS	59	0.34875163	1.2713512	0.15551181	0.95538956	1	1087 tags=32%, list=22%, signal=41%
GO_BRANCHING_INVOLVED_IN_URETERIC_BUD_MORPI	GO_BRANCHING_INVOLVE	21	0.42251435	1.2712808	0.16302186	0.9546791	1	826 tags=33%, list=17%, signal=40%
PID_P75_NTR_PATHWAY	PID_P75_NTR_PATHWAY	17	0.4260022	1.2711763	0.18640776	0.9540673	1	1287 tags=35%, list=26%, signal=47%
GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IL12_CD8_T	GSE15930_NAIVE_VS_72H_I	49	0.3369702	1.2711644	0.13535354	0.95310086	1	866 tags=29%, list=17%, signal=34%
VS1K1_01	VS1K1_01	76	0.3381267	1.2709908	0.14201184	0.9528273	1	1145 tags=33%, list=23%, signal=42%
GO_POSTSYNAPSE	GO_POSTSYNAPSE	119	0.31459185	1.2709527	0.12244898	0.9519744	1	1775 tags=50%, list=36%, signal=75%
RATTENBACHER_BOUND_BY_CELF1								

ATGTACA.MIR-493	ATGTACA.MIR-493	79	0.33730763	1.2668215	0.15809524	0.94559014	1	970 tags=29%, list=19%, signal=36%
GO_CYCLIC_NUCLEOTIDE_BIOSYNTHETIC_PROCESS	GO_CYCLIC_NUCLEOTIDE_B	15	0.45091665	1.2660241	0.1969112	0.94807786	1	563 tags=27%, list=11%, signal=30%
YAGL.AML_WITH_11Q23.REARRANGED	YAGL.AML_WITH_11Q23.RE	87	0.3241442	1.2659928	0.16388213	0.9472294	1	1039 tags=30%, list=21%, signal=37%
GO_CELLULAR_RESPONSE_TO_ESTROGEN_STIMULUS	GO_CELLULAR_RESPONSE_I	20	0.4142267	1.2657627	0.17669903	0.94718295	1	589 tags=30%, list=12%, signal=34%
GO_NEGATIVE_REGULATION_OF_LIPID_METABOLIC_P	GO_NEGATIVE_REGULATION	28	0.38162285	1.2652059	0.16274865	0.94856566	1	790 tags=21%, list=16%, signal=25%
GO_REGULATION_OF_BLOOD_PRESSURE	GO_REGULATION_OF_BLOC	62	0.35765114	1.2649667	0.16604477	0.9485911	1	1658 tags=48%, list=33%, signal=71%
GSE17721_PAM3CSK4_V5_CPG_16H_BMDC_UP	GSE17721_PAM3CSK4_V5_C	36	0.3823339	1.2643853	0.17751479	0.9500062	1	771 tags=25%, list=15%, signal=29%
LEFI_UP_V1_DN	LEFI_UP_V1_DN	105	0.3159473	1.2643671	0.13786009	0.94910973	1	668 tags=16%, list=13%, signal=18%
GO_MEMBRANE_DEPOLARIZATION	GO_MEMBRANE_DEPOLARI	16	0.4582096	1.2642436	0.2027027	0.94862056	1	1696 tags=63%, list=34%, signal=94%
GO_REGULATION_OF_MYELOID_LEUKOCYTE_DIFFEREN	GO_REGULATION_OF_MYEL	33	0.39173	1.2641934	0.16633664	0.94784814	1	933 tags=30%, list=19%, signal=37%
GSE360_L_DONOVANI_V5_L_MAJOR_CD_UP	GSE360_L_DONOVANI_V5_I	64	0.3168179	1.2639687	0.12778905	0.94779104	1	1347 tags=38%, list=27%, signal=51%
ONDER_CDH1_SIGNALING_VIA_CTNNB1	ONDER_CDH1_SIGNALING_	48	0.39916524	1.2639586	0.205074	0.94685537	1	1253 tags=44%, list=25%, signal=58%
GSE11864_CSF1_V5_CSF1_PAM3CSK5_IN_MAC_UP	GSE11864_CSF1_V5_CSF1_P	30	0.38122275	1.2633914	0.15983607	0.9482941	1	1017 tags=33%, list=20%, signal=42%
KAECH_NAIVE_V5_DAY8_EFF_CD8_TCELL_UP	KAECH_NAIVE_V5_DAY8_EF	53	0.33047482	1.2630917	0.14117648	0.94858396	1	772 tags=32%, list=15%, signal=38%
GO_IRON_ION_HOMEOSTASIS	GO_IRON_ION_HOMEOSTA	23	0.39474458	1.2625436	0.18843684	0.94998395	1	743 tags=30%, list=15%, signal=36%
GSE18281_PERIMEDULLARY_CORTICAL_REGION_V5_WF	GSE18281_PERIMEDULLARY	39	0.36486036	1.2624595	0.17590822	0.94938433	1	1541 tags=44%, list=31%, signal=63%
SAMOLS_TARGETS_OF_KHSV_MIRNAS_DN	SAMOLS_TARGETS_OF_KHS	28	0.40452486	1.262318	0.20378152	0.9490264	1	556 tags=21%, list=11%, signal=24%
GSE37301_MULTIPOTENT_V5_CD4_TCELL	GSE37301_MULTIPOTENT_F	32	0.37198195	1.2622446	0.16515426	0.9483813	1	1098 tags=34%, list=22%, signal=44%
GSE19512_NAURAL_V5_INDUCED_TREG_UP	GSE19512_NAURAL_V5_IN	82	0.31027523	1.262233	0.12639490	0.9474559	1	913 tags=26%, list=18%, signal=31%
PETRETTO_CARDIAC_HYPERTROPHY	PETRETTO_CARDIAC_HYPERF	15	0.52860254	1.2622122	0.24901961	0.9465864	1	1498 tags=60%, list=30%, signal=85%
GSE5589_UNSTIM_V5_45MIN_LPS_AND_IL6_STIM_MAC	GSE5589_UNSTIM_V5_45M	34	0.36933258	1.2622087	0.16969697	0.94563913	1	274 tags=18%, list=5%, signal=19%
GSE21546_UNSTIM_V5_ANTI_CD3_STIM_SAP1A_KO_DP	GSE21546_UNSTIM_V5_ANTI	62	0.3496676	1.2621247	0.18089432	0.94499284	1	571 tags=23%, list=11%, signal=25%
CHEBOTAEV_GR_TARGETS_UP	CHEBOTAEV_GR_TARGETS_J	39	0.37532207	1.2619847	0.18072289	0.9445885	1	743 tags=31%, list=15%, signal=36%
GSE43955_IH_V5_60H_ACT_CD4_TCELL_DN	GSE43955_IH_V5_60H_ACT	59	0.38311614	1.2618457	0.16764133	0.9442437	1	741 tags=24%, list=15%, signal=36%
NAKAYAMA_SOFT_TISSUE_TUMORS_PC2A_DN	NAKAYAMA_SOFT_TISSUE_	62	0.49227238	1.2612118	0.27651516	0.94596344	1	1786 tags=63%, list=36%, signal=97%
GO_VOLTAGE_GATED_CATION_CHANNEL_ACTIVITY	GO_VOLTAGE_GATED_CATR	41	0.35838467	1.2611408	0.15265866	0.9452975	1	1379 tags=46%, list=28%, signal=63%
GSE5589_LPS_V5_LPS_AND_IL6_STIM_MACROPHAGE_4	GSE5589_LPS_V5_LPS_AND	35	0.37571785	1.2607338	0.18619247	0.94606453	1	1139 tags=34%, list=23%, signal=44%
YAGL.AML_WITH_T_9_11_TRANSLOCATION	YAGL.AML_WITH_T_9_11_TR	29	0.38824925	1.2605511	0.17045455	0.94587624	1	1121 tags=38%, list=22%, signal=49%
GSE411_WT_V5_SOCS3_KO_MACROPHAGE_DN	GSE411_WT_V5_SOCS3_KO	33	0.3700593	1.2602843	0.17834395	0.9467076	1	750 tags=24%, list=15%, signal=28%
GO_REGULATION_OF_POLYSACCHARIDE_METABOLIC_P	GO_REGULATION_OF_POLY	15	0.44213432	1.2602509	0.21218075	0.9452503	1	1383 tags=40%, list=28%, signal=55%
GO_ORGANIC_ANION_TRANSPORT	GO_ORGANIC_ANION_TRAI	127	0.28025565	1.2602305	0.11018364	0.94438404	1	1057 tags=30%, list=21%, signal=37%
GSE17974_CTRL_V5_ACT_IL4_AND_ANTI_IL12_12H_CD4	GSE17974_CTRL_V5_ACT_IL	57	0.34431644	1.2596695	0.17821783	0.94572043	1	1513 tags=40%, list=30%, signal=57%
GSE11961_FOLLICULAR_BCELL_V5_MARGINAL_ZONE_BI	GSE11961_FOLLICULAR_BCI	61	0.33457446	1.2591902	0.15936255	0.9467815	1	654 tags=20%, list=13%, signal=22%
GO_RESPIRATORY_GASEOUS_EXCHANGE	GO_RESPIRATORY_GASEOU	18	0.41985777	1.258235	0.19008264	0.94973034	1	629 tags=28%, list=13%, signal=32%
GSE14413_UNSTIM_V5_JFN6_STIM_RAW264_CELLS_DN	GSE14413_UNSTIM_V5_JFN	47	0.38616829	1.2579445	0.12784588	0.9499502	1	1219 tags=40%, list=24%, signal=53%
GSE17186_CD21LOW_V5_CD21HIGH_TRANSITIONAL_BI	GSE17186_CD21LOW_V5_C	31	0.36662606	1.2577115	0.1527495	0.9499111	1	889 tags=39%, list=18%, signal=47%
REACTOME_SIGNALING_BY_FGFR	REACTOME_SIGNALING_BY	22	0.43099537	1.2576154	0.19963032	0.9493494	1	1783 tags=55%, list=36%, signal=84%
REACTOME_TRANSMISSION_ACROSS_CHEMICAL_SYNA	REACTOME_TRANSMISSION	56	0.3475557	1.2572241	0.14311594	0.9499987	1	1325 tags=38%, list=26%, signal=50%
GSE9960_GRAM_NEG_V5_GRAM_NEG_AND_POS_SEPSE	GSE9960_GRAM_NEG_V5_G	18	0.42578807	1.2568607	0.1888668	0.95046604	1	1573 tags=72%, list=31%, signal=105%
GO_TRANSPORTER_COMPLEX	GO_TRANSPORTER_COMPL	94	0.3152536	1.2564986	0.13471502	0.9509857	1	1326 tags=38%, list=27%, signal=51%
REACTOME_REGULATION_OF_INSULIN_SECRETION	REACTOME_REGULATION_C	32	0.37384298	1.2561706	0.17948718	0.9513923	1	974 tags=28%, list=19%, signal=35%
GSE8515_CTRL_V5_IL6_4H_STIM_MAC_DN	GSE8515_CTRL_V5_IL6_4H_	58	0.30961204	1.2560287	0.09856631	0.9510417	1	1358 tags=38%, list=27%, signal=51%
GSE17721_0.5H_V5_4H_PAM3CSK4_BMDC_UP	GSE17721_0.5H_V5_4H_P	34	0.39964464	1.2559644	0.20378152	0.95035815	1	812 tags=32%, list=16%, signal=38%
GSE29949_CD8_NEG_CD8_SPLEEN_X8_CD8_POS_CD8_SPL	GSE29949_CD8_NEG_CD8_S	71	0.32343987	1.2557858	0.15619047	0.95013773	1	1044 tags=31%, list=21%, signal=39%
KIM_MYC_AMPLIFICATION_TARGETS_DN	KIM_MYC_AMPLIFICATION_	34	0.37034783	1.2557392	0.17288801	0.9493849	1	1241 tags=38%, list=25%, signal=51%
GSE9006_HEALTHY_V5_TYPE_1_DIABETES_PBMC_1MON	GSE9006_HEALTHY_V5_TYP	36	0.35145998	1.2556376	0.1612284	0.94886976	1	991 tags=33%, list=20%, signal=41%
MIYAGAWA_TARGETS_OF_EWSR1_ETS_FUSIONS_UP	MIYAGAWA_TARGETS_OF_E	105	0.311277	1.2552607	0.15010142	0.94958	1	1077 tags=30%, list=22%, signal=38%
GSE26488_WT_V5_HDAC7_DELTA_TG_OT2_THYMOCYT	GSE26488_WT_V5_HDAC7_I	77	0.33158448	1.2550282	0.16468254	0.949601	1	876 tags=29%, list=18%, signal=34%
CHRP416	CHRP416	26	0.40638408	1.2547617	0.19963032	0.94976914	1	1274 tags=35%, list=25%, signal=46%
GSE23925_LIGHT_ZONE_V5_DARK_ZONE_BCELL_UP	GSE23925_LIGHT_ZONE_V5	55	0.32057053	1.254758	0.13931298	0.9488464	1	1210 tags=40%, list=24%, signal=52%
GSE2826_WT_V5_XID_BCELL_DN	GSE2826_WT_V5_XID_BCELL	67	0.31609395	1.2546921	0.1491439	0.9481705	1	792 tags=27%, list=16%, signal=31%
GSE21927_HEALTHY_V5_TUMOROUS_BALBC_MOUSE_8	GSE21927_HEALTHY_V5_TU	37	0.34321627	1.2544256	0.14084058	0.94832104	1	1434 tags=41%, list=29%, signal=56%
KORKOLA_YOLK_SAC_TUMOR	KORKOLA_YOLK_SAC_TUMK	36	0.40101126	1.2542521	0.22155689	0.9481033	1	1013 tags=39%, list=20%, signal=48%
YAMAZAKI_TCEB3_TARGETS_UP	YAMAZAKI_TCEB3_TARGETS	59	0.37893926	1.2541045	0.22222222	0.94777167	1	771 tags=32%, list=15%, signal=38%
GO_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION	GO_ESTABLISHMENT_OF_PI	252	0.26585236	1.2538701	0.08687259	0.9478508	1	1495 tags=36%, list=30%, signal=49%
GO_COMPLEX_OF_COLLAGEN_TRIMERS	GO_COMPLEX_OF_COLLAGI	15	0.57309943	1.2537097	0.28210115	0.9475754	1	1218 tags=67%, list=24%, signal=88%
GSE9650_GP33_V5_GP276_LCMV_SPECIFIC_EXHAUSTE	GSE9650_GP33_V5_GP276_J	66	0.32758078	1.2535135	0.17904761	0.9474656	1	1120 tags=30%, list=22%, signal=39%
GSE41978_WT_V5_ID2_KO_KIRG1L_LOW_EFFECTOR_CD8	GSE41978_WT_V5_ID2_KO_J	67	0.31954375	1.2534649	0.15922333	0.9467057	1	483 tags=18%, list=10%, signal=20%
JOHANSSON_BRAIN_CANCER_EARLY_V5_LATE_DN	JOHANSSON_BRAIN_CANCER	21	0.40015233	1.2533402	0.16074766	0.9463005	1	1077 tags=48%, list=22%, signal=60%
GO_POSITIVE_REGULATION_OF_PHOSPHOLIPASE_ACTI	GO_POSITIVE_REGULATION	21	0.4422184	1.2533334	0.19960008	0.9453976	1	629 tags=24%, list=13%, signal=27%
GO_POSITIVE_REGULATION_OF_LIPASE_ACTIVITY	GO_POSITIVE_REGULATION	21	0.4422184	1.2533334	0.19960008	0.94447345	1	629 tags=24%, list=13%, signal=27%
KEGG_HYPERTROPHIC_CARDIOMYOPATHY_HCM	KEGG_HYPERTROPHIC_CAR	30	0.39672863	1.2530323	0.19923371	0.94484186	1	1589 tags=50%, list=32%, signal=73%
GSE3920_UNTREATED_V5_IFNG_TREATED_FIBROBLAST	GSE3920_UNTREATED_V5_IJ	40	0.32482737	1.252923	0.13805997	0.9443591	1	403 tags=15%, list=8%, signal=16%
NOUZOVA_METHYLATED_IN_AP1	NOUZOVA_METHYLATED_IF	21	0.4290793	1.2528069	0.1845238	0.9438714	1	851 tags=24%, list=17%, signal=29%
CHIARADONNA_NEOPLASTIC_TRANSFORMATION_XRA	CHIARADONNA_NEOPLAST	62	0.3721343	1.2525618	0.22200772	0.94399285	1	1181 tags=45%, list=24%, signal=52%
GO_ANTIPORTER_ACTIVITY	GO_ANTIPORTER_ACTIVITY	21	0.4076401	1.2523364	0.16387337	0.9439908	1	694 tags=33%, list=14%, signal=39%
GO_MULTICELLULAR_ORGANISMAL_SIGNALING	GO_MULTICELLULAR_ORGA	44	0.37919548	1.2522091	0.19180633	0.9436179	1	1797 tags=59%, list=36%, signal=91%
GO_REGULATION_OF_MUSCLE_ADAPTATION	GO_REGULATION_OF_MUSC	19	0.43491372	1.2521625	0.20315582	0.94287515	1	1259 tags=47%, list=25%, signal=63%
GSE23502_BM_V5_COLON_TUMOR_HDC_KO_MYELOID	GSE23502_BM_V5_COLON_	40	0.36542106	1.2519146	0.17760618	0.94294405	1	959 tags=33%, list=19%, signal=40%
GO_CELLULAR_IRON_ION_HOMEOSTASIS	GO_CELLULAR_IRON_ION_I	16	0.42263323	1.2516637	0.17197452	0.9430439	1	743 tags=31%, list=15%, signal=37%
MODULE_47	MODULE_47	128	0.43958983	1.2516302	0.3111546	0.9422705	1	1711 tags=53%, list=34%, signal=79%
GO_NEGATIVE_REGULATION_OF_CELL_GROWTH	GO_NEGATIVE_REGULATIO	59	0.34244214	1.2513307	0.16061185	0.9425671	1	833 tags=27%, list=17%, signal=32%
MODULE_66	MODULE_66	292	0.29307574	1.2512413	0.15750916	0.9420096	1	1127 tags=31%, list=23%, signal=37%
GSE32533_WT_V5_MIR17_KO_ACT_CD4_TCELL_UP	GSE32533_WT_V5_MIR17_K	53	0.36960235	1.2511603	0.19917865	0.9414107	1	1449 tags=45%, list=29%, signal=63%
KEGG_PURINE_METABOLISM	KEGG_PURINE_METABOLIS	31	0.3734632	1.2511067	0.17751479	0.9407205	1	679 tags=29%, list=14%, signal=33%
ANASTASSIOU_CANCER_MESENCHYMAL_TRANSITION	ANASTASSIOU_CANCER_MI	46	0.6089976	1.2508936	0.29012346	0.94069123	1	1715 tags=83%, list=34%, signal=125%
GO_EPITHELIAL_CELL_MORPHOGENESIS	GO_EPITHELIAL_CELL_MOR	21	0.40031976	1.2505127	0.19961241	0.9413287	1	1067 tags=38%, list=21%, signal=48%
TURASHVILI_BREAST_LOBULAR_CARCINOMA_V5_LOBU	TURASHVILI_BREAST_LOBU	43	0.4817722	1.2502029	0.27027026	0.9416795	1	1402 tags=56%, list=28%, signal=77%
MODULE_137	MODULE_137	290	0.2935844	1.2501872	0.1641791	0.9408615	1	1127 tags=31%, list=23%, signal=37%
REACTOME_ION_CHANNEL_TRANSPORT	REACTOME_ION_CHANNEL	19	0.4356807	1.2498494	0.18943533	0.94133574	1	1875 tags=63%, list=38%, signal=101%
GO_EXTRACELLULAR_MATRIX_COMPONENT	GO_EXTRACELLULAR_MATR	68	0.4249278	1.2496212	0.28015563	0.94137305	1	1569 tags=57%, list=31%, signal=82%
GSE3203_WT_V5_IFNARI_KO_INFLUENZA_INFECTED_I	GSE3203_WT_V5_IFNARI_K	54	0.32171613	1.2492623	0.15849057	0.9419595	1	927 tags=24%, list=19%, signal=29%
MORF_ETV3	MORF_ETV3	23	0.36845866	1.2492557	0.16538462	0.9410794	1	196 tags=13%, list=4%, signal=14%
GSE5589_WT_V5_IL6_KO_LPS_AND_IL6_STIM_MACROPH	GSE5589_WT_V5_IL6_KO_L	64	0.34919703	1.2490951	0.19685039	0.94082856	1	1488 tags=45%, list=30%, signal=64%
GSE40666_STAT1_KO_V5_STAT4_KO_CD8_TCELL_WITHJ	GSE40666_STAT1_KO_V5_S	60	0.32915202	1.2490911	0.14344262	0.93		

GSE9946_LISTERIA_INF_MATURE_VS_PROSTAGLANDIN	GSE9946_LISTERIA_INF_MA	31	0.36367312	1.2438617	0.19271949	0.94104075	1	1264 tags=39%, list=25%, signal=51%
GO_REGULATION_OF_CATECHOLAMINE_SECRETION	GO_REGULATION_OF_CATE	20	0.43964127	1.243772	0.19494584	0.94050694	1	1790 tags=60%, list=36%, signal=59%
GO_SYNAPTIC_VESICLE_CYCLE	GO_SYNAPTIC_VESICLE_CYC	26	0.4103954	1.2437357	0.1985294	0.9397878	1	1284 tags=42%, list=26%, signal=57%
GO_BODY_MORPHOGENESIS	GO_BODY_MORPHOGENESIS	18	0.44061726	1.2438022	0.21095334	0.94153005	1	882 tags=39%, list=18%, signal=47%
FRASOR_RESPONSE_TO_17B-ESTRADIOL_DN	FRASOR_RESPONSE_TO_17E	47	0.36539793	1.2430004	0.20654397	0.9409906	1	1525 tags=49%, list=31%, signal=70%
ACTACCT.MIR_196A.MIR_196B	ACTACCT.MIR_196A.MIR_19	38	0.37378368	1.2429328	0.18055555	0.94041334	1	1377 tags=50%, list=28%, signal=68%
GSE22935_24H_VS_48H_MBOVIS_BCG_STIM_MYD88_KC	GSE22935_24H_VS_48H_ME	62	0.35813555	1.2427254	0.21789883	0.94225746	1	1214 tags=44%, list=24%, signal=57%
MORF_BNP1	MORF_BNP1	39	0.3341911	1.2421789	0.14509805	0.9417987	1	196 tags=10%, list=4%, signal=11%
GO_EPITHELIAL_CELL_PROLIFERATION	GO_EPITHELIAL_CELL_PROLI	33	0.3655559	1.2421359	0.2020202	0.941092	1	1043 tags=36%, list=21%, signal=46%
FARMER_BREAST_CANCER_CLUSTER_4	FARMER_BREAST_CANCER_	16	0.68820226	1.242135	0.24493927	0.9402244	1	1569 tags=100%, list=31%, signal=145%
GO_POSITIVE_REGULATION_OF_PEPPTIDYL_TYROSINE_PI	GO_POSITIVE_REGULATION	66	0.34548834	1.2418363	0.19848771	0.9405517	1	919 tags=26%, list=18%, signal=31%
GSE17974_IL4_AND_ANTIL_IL2_VS_UNTREATED_24H_AC	GSE17974_IL4_AND_ANTIL_I	65	0.3231533	1.2411107	0.1342155	0.9426126	1	1056 tags=31%, list=21%, signal=39%
GO_CELLULAR_MACROMOLECULE_LOCALIZATION	GO_CELLULAR_MACROMOI	204	0.25996253	1.2408412	0.08608059	0.9428452	1	1453 tags=35%, list=29%, signal=47%
GO_ORGANIC_ACID_TRANSPORT	GO_ORGANIC_ACID_TRANS	90	0.28862306	1.2404765	0.1285956	0.9434332	1	1057 tags=32%, list=21%, signal=40%
GSE32986_GMCSF_VS_GMCSF_AND_CURDLAN_LOWDC	GSE32986_GMCSF_VS_GMC	43	0.37574005	1.2404436	0.19959266	0.94269866	1	1213 tags=44%, list=24%, signal=58%
GO_REGULATION_OF_PROTEIN_SECRETION	GO_REGULATION_OF_PROT	152	0.32128593	1.2402006	0.18252428	0.9427786	1	959 tags=26%, list=19%, signal=31%
IVANOVA_HEMATOPOIESIS_STEM_CELL_LONG_TERM	IVANOVA_HEMATOPOIESIS	91	0.31087914	1.2401049	0.15968063	0.9423024	1	1141 tags=30%, list=23%, signal=38%
GSE28237_EARLY_VS_LATE_GC_BCELL_UP	GSE28237_EARLY_VS_LATE	52	0.3078541	1.2397944	0.12635379	0.9426803	1	1163 tags=33%, list=23%, signal=42%
GSE22935_24H_VS_48H_MBOVIS_BCG_STIM_MYD88_KC	GSE22935_24H_VS_48H_ME	67	0.31951392	1.239529	0.16996047	0.9429028	1	1354 tags=40%, list=27%, signal=54%
GO_ACROSOMAL_VESICLE	GO_ACROSOMAL_VESICLE	24	0.3786222	1.2393968	0.17948718	0.9426192	1	1011 tags=33%, list=20%, signal=45%
GO_CELLULAR_RESPONSE_TO_17B-ESTRADIOL_STIMULUS	GO_CELLULAR_RESPONSE_	18	0.41902792	1.239251	0.18290259	0.9423844	1	589 tags=33%, list=12%, signal=38%
GO_NEURONAL_POSTSYNAPTIC_DENSITY	GO_NEURONAL_POSTSYNA	22	0.42293406	1.2392089	0.21689059	0.941683	1	1774 tags=59%, list=35%, signal=91%
GO_POSITIVE_REGULATION_OF_ANION_TRANSPORT	GO_POSITIVE_REGULATION	22	0.3947196	1.2390139	0.18738739	0.9416344	1	249 tags=18%, list=5%, signal=19%
GSE40274_SATB1_VS_FOXP3_AND_SATB1_TRANSDUCE	GSE40274_SATB1_VS_FOXP	34	0.3741506	1.2388266	0.21485944	0.9415664	1	1082 tags=35%, list=22%, signal=45%
MODULE_11	MODULE_11	280	0.28770036	1.2385505	0.1569343	0.9417953	1	1127 tags=30%, list=23%, signal=37%
CHRAQ31	CHRAQ31	20	0.43324077	1.2374328	0.21386139	0.9454311	1	720 tags=35%, list=14%, signal=41%
DAIRKEE_CANCER_PRONE_RESPONSE_BPA_E2	DAIRKEE_CANCER_PRONE_I	26	0.34399813	1.2373605	0.13866414	0.9448895	1	878 tags=38%, list=18%, signal=46%
GSE10239_MEMORY_VS_KLRG1HIGH_EFF_CD8_TCELL_U	GSE10239_MEMORY_VS_KL	53	0.3281268	1.2372994	0.1541502	0.9442802	1	581 tags=21%, list=12%, signal=23%
GSE27786_CD4_TCELL_VS_ERYTHRULOBIUST_DN	GSE27786_CD4_TCELL_VS_E	52	0.4895602	1.2370367	0.19591837	0.9445002	1	731 tags=27%, list=15%, signal=31%
TONKS_TARGETS_OF_RUNX1_RUNX1TL1_FUSION_MONO	TONKS_TARGETS_OF_RUNX	28	0.4429543	1.2366211	0.23800384	0.9452712	1	681 tags=29%, list=14%, signal=33%
GO_RESPONSE_TO_PEPPTIDE	GO_RESPONSE_TO_PEPPTIDE	130	0.2934179	1.2364264	0.16730037	0.9452833	1	1332 tags=37%, list=27%, signal=49%
GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_NFKB	GSE19941_LPS_VS_LPS_AN	59	0.33721867	1.2362417	0.18076923	0.94515026	1	777 tags=24%, list=16%, signal=28%
CHANDRAN_METASTASIS_DN	CHANDRAN_METASTASIS_I	138	0.3353737	1.2358207	0.22886598	0.9459444	1	1384 tags=43%, list=29%, signal=58%
GSE39820_CTRL_VS_TGFBETA3_IL6_CD4_TCELL_DN	GSE39820_CTRL_VS_TGFB	46	0.30343662	1.2357785	0.16283925	0.9452346	1	1431 tags=41%, list=28%, signal=57%
GSE9946_IMMATURE_VS_MATURE_STIMULATORY_DC1	GSE9946_IMMATURE_VS_M	37	0.35667735	1.2355855	0.20710059	0.9451553	1	1120 tags=35%, list=22%, signal=45%
GO_NEGATIVE_REGULATION_OF_PHOSPHORYLATION	GO_NEGATIVE_REGULATIO	131	0.32092324	1.2355002	0.17731959	0.9446543	1	1240 tags=34%, list=25%, signal=43%
GSE22611_MUTANT_NOD2_TRANSDUCED_VS_CTRL_HE	GSE22611_MUTANT_NOD2	67	0.32278755	1.2354727	0.18036072	0.94390994	1	753 tags=24%, list=15%, signal=28%
GSE21379_TH_VS_NON_TH_SAP_KO_CD4_TCELL_UP	GSE21379_TH_VS_NON_TH	42	0.3441136	1.2353375	0.16730037	0.94355756	1	1518 tags=43%, list=20%, signal=61%
GO_REGULATION_OF_PLASMA_MEMBRANE_ORGANIZA	GO_REGULATION_OF_PLASI	18	0.40386936	1.235299	0.21722114	0.9428494	1	1355 tags=50%, list=27%, signal=68%
GSE26928_NAIVE_VS_CENT_MEMORY_CD4_TCELL_UP	GSE26928_NAIVE_VS_CEN	29	0.35460576	1.2352146	0.1529175	0.9423442	1	1117 tags=38%, list=27%, signal=49%
GO_REGULATION_OF_SMOOTHENED_SIGNALING_PATH	GO_REGULATION_OF_SMOI	18	0.45286554	1.2346824	0.22988506	0.9436051	1	876 tags=39%, list=18%, signal=47%
VSFAC1_01	VSFAC1_01	69	0.3316352	1.2345587	0.2003891	0.94327873	1	1354 tags=38%, list=27%, signal=51%
GO_NEGATIVE_REGULATION_OF_NUCLEOTIDE_METAB	GO_NEGATIVE_REGULATIO	24	0.3817191	1.2344736	0.17898832	0.94278055	1	1593 tags=46%, list=32%, signal=67%
GSE7764_IL15_TREATED_VS_CTRL_NK_CELL_24H_DN	GSE7764_IL15_TREATED_V	69	0.3399809	1.2344522	0.20116054	0.9420174	1	941 tags=28%, list=19%, signal=33%
GSE17721_CTRL_VS_LPS_0.5H_BMDC_DN	GSE17721_CTRL_VS_LPS_0	48	0.32486287	1.2342285	0.14092664	0.9420546	1	1260 tags=35%, list=25%, signal=47%
TAATAAT.MIR_126	TAATAAT.MIR_126	53	0.3452327	1.2340246	0.18455744	0.94202614	1	1470 tags=47%, list=29%, signal=66%
GSE46606_UNSTIM_VS_CD40_IL15_3DAY_STIMULAT	GSE46606_UNSTIM_VS_CD	28	0.4718493	1.2340162	0.18421052	0.9412084	1	949 tags=25%, list=19%, signal=31%
GSE11961_GERMINAL_CENTER_BCELL_DAV7_VS_MEMO	GSE11961_GERMINAL_CEN	65	0.32893005	1.2339466	0.15957446	0.94064	1	1144 tags=35%, list=23%, signal=45%
GSE45365_NK_CELL_VS_CD11B_CD8_VS_CD	GSE45365_NK_CELL_VS_CD	52	0.32927674	1.2336415	0.16544117	0.9410354	1	1350 tags=46%, list=27%, signal=63%
GSE2128_C57BL6_VS_NOD_THYMOCYTE_UP	GSE2128_C57BL6_VS_NOD	43	0.3521423	1.2332145	0.19111969	0.94189864	1	1010 tags=35%, list=20%, signal=43%
TURASHVILLI_BREAST_LOBULAR_CARCINOMA_VS_DUCT	TURASHVILLI_BREAST_LOBU	38	0.5063741	1.2329888	0.31526104	0.94202375	1	1512 tags=63%, list=30%, signal=90%
WONG_ADULT_TISSUE_STEM_MODULE	WONG_ADULT_TISSUE_STE	328	0.30493262	1.2329313	0.21386139	0.94141805	1	1160 tags=32%, list=23%, signal=39%
KEGG_ENDOCYTOSIS	KEGG_ENDOCYTOSIS	40	0.34801874	1.2328644	0.18232045	0.9408354	1	1022 tags=33%, list=20%, signal=41%
GSE41978_WT_VS_ID2_KO_KLRG1_LOW_EFFECTOR_CD8	GSE41978_WT_VS_ID2_KO_I	66	0.32290104	1.2324644	0.17830883	0.9415954	1	1414 tags=41%, list=28%, signal=56%
GO_POSITIVE_REGULATION_OF_POTASSIUM_ION_TRAN	GO_POSITIVE_REGULATION	16	0.4364682	1.2322848	0.2064632	0.9414651	1	1407 tags=63%, list=28%, signal=67%
VSPF1BETA_Q6	VSPF1BETA_Q6	66	0.31124863	1.2321084	0.15384616	0.9412913	1	523 tags=20%, list=10%, signal=22%
EBAUER_TARGETS_OF_PAX3_FOXP1_FUSION_DN	EBAUER_TARGETS_OF_PAX	20	0.3725798	1.2319756	0.1469534	0.94096816	1	550 tags=30%, list=11%, signal=34%
MORF_STK17A	MORF_STK17A	45	0.32110286	1.2318295	0.15169661	0.9407807	1	1369 tags=36%, list=27%, signal=49%
GSE39820_TGFBETA1_VS_TGFBETA3_IL6_CD4_TCELL	GSE39820_TGFBETA1_VS_T	49	0.3207422	1.2315995	0.18095239	0.94098157	1	1050 tags=31%, list=21%, signal=38%
RB_DN_V1_DN	RB_DN_V1_DN	49	0.35057363	1.2315481	0.20571429	0.94019675	1	866 tags=25%, list=17%, signal=30%
GSE22527_ANTI_CD3_INVIVO_VS_UNTREATED_MOUSE	GSE22527_ANTI_CD3_INV	29	0.36464286	1.2315208	0.18969072	0.9394583	1	276 tags=21%, list=6%, signal=22%
GO_PROTEIN_KINASE_C_BINDING	GO_PROTEIN_KINASE_C_BI	15	0.42022117	1.23125	0.20867768	0.9397214	1	1214 tags=33%, list=24%, signal=44%
VSNMYC_01	VSNMYC_01	61	0.31133983	1.2311058	0.16	0.93949175	1	732 tags=23%, list=15%, signal=27%
ARGGGTTAA_UNKNOWN	ARGGGTTAA_UNKNOWN	36	0.3659997	1.2309809	0.1871345	0.9391262	1	1384 tags=36%, list=28%, signal=50%
GO_CELLULAR_RESPONSE_TO_ENDOGENOUS_STIMULU	GO_CELLULAR_RESPONSE_	328	0.28059042	1.2308476	0.1773309	0.93883604	1	1386 tags=35%, list=28%, signal=46%
GSE30971_WBP7_HET_VS_KO_MACROPHAGE_4H_LPS_5	GSE30971_WBP7_HET_VS_K	55	0.37481517	1.2305913	0.25303644	0.93903375	1	1378 tags=40%, list=28%, signal=53%
GSE16755_CTRL_VS_IFNA_TREATED_MAC_UP	GSE16755_CTRL_VS_IFNA_T	29	0.38769773	1.2304815	0.19238476	0.938628	1	893 tags=28%, list=18%, signal=33%
GNF2_CYP2B6	GNF2_CYP2B6	26	0.3985779	1.2304163	0.22178988	0.9380707	1	944 tags=27%, list=19%, signal=33%
ATACCT.MIR_202	ATACCT.MIR_202	43	0.3497285	1.2304009	0.18016194	0.93728	1	872 tags=30%, list=17%, signal=36%
GO_POSITIVE_REGULATION_OF_OSTEOLAST_DIFFEREN	GO_POSITIVE_REGULATION	33	0.38429987	1.2301193	0.22157995	0.9376316	1	919 tags=30%, list=18%, signal=37%
GO_NEGATIVE_REGULATION_OF_PHOSPHORUS_METAB	GO_NEGATIVE_REGULATIO	163	0.29037917	1.2298537	0.17817365	0.9378497	1	1427 tags=36%, list=29%, signal=48%
GO_NEGATIVE_REGULATION_OF_PHOSPHATE_METABO	GO_NEGATIVE_REGULATIO	193	0.29379075	1.2298532	0.17813765	0.93703204	1	1427 tags=36%, list=29%, signal=48%
GO_RESPONSE_TO_ENDOGENOUS_STIMULUS	GO_RESPONSE_TO_ENDOG	491	0.26920375	1.2298433	0.16171004	0.93625087	1	1332 tags=33%, list=27%, signal=41%
TCATTCTW_UNKNOWN	TCATTCTW_UNKNOWN	68	0.31369513	1.2296026	0.18666667	0.9363598	1	1374 tags=41%, list=27%, signal=56%
YAATNANRNNNCG_UNKNOWN	YAATNANRNNNCG_UNKN	18	0.4027077	1.2295018	0.21802935	0.93594104	1	1044 tags=39%, list=21%, signal=49%
GSE1925_3H_VS_24H_IFNG_STIM_IFNG_PRIMED_MACR	GSE1925_3H_VS_24H_IFNG	49	0.31660687	1.2293023	0.14768684	0.9359175	1	441 tags=16%, list=9%, signal=18%
GO_REGULATION_OF_LIPID_KINASE_ACTIVITY	GO_REGULATION_OF_LIPID	16	0.42607415	1.229272	0.2159533	0.935216	1	1266 tags=44%, list=25%, signal=58%
GSE28737_WT_VS_BCL6_HET_FOLLICULAR_BCELL_UP	GSE28737_WT_VS_BCL6_HE	65	0.30981818	1.2291691	0.15738964	0.934809	1	1240 tags=35%, list=25%, signal=46%
GEORGANTAS_HSC_MARKERS	GEORGANTAS_HSC_MARKE	42	0.39567754	1.2290809	0.25690022	0.9343286	1	942 tags=24%, list=19%, signal=32%
VSFXR_Q3	VSFXR_Q3	41	0.3395917	1.2289534	0.15296367	0.93403506	1	286 tags=15%, list=6%, signal=15%
GNF2_CEBPA	GNF2_CEBPA	25	0.38988435	1.2288809	0.21509434	0.9338276	1	1098 tags=32%, list=22%, signal=41%
CHYLA_CBAF2T3_TARGETS_Q1	CHYLA_CBAF2T3_TARGETS	153	0.30627346	1.2287569	0.18787879	0.93322706	1	850 tags=25%, list=17%, signal=29%
WAKABAYASHI_ADIPOGENESIS_PPARG_RXRA_BOUND	WAKABAYASHI_ADIPOGENI	170	0.27811787	1.228737	0.15280464	0.93249965	1	1518 tags=42%, list=30%, signal=58%
GO_PLATELET_ALPHA_GRANULE	GO_PLATELET_ALPHA_GRA	32	0.40079117	1.2281562	0.228	0.9340148	1	1482 tags=50%, list=30%, signal=71%
GO_GUANYL_NUCLEOTIDE_EXCHANGE_FACTOR_ACTIV	GO_GUANYL_NUCLEOTIDE	85	0.29462582	1.2280943	0.14721723	0.9334563	1	1022 tags=26%, list=20%, signal=33%
GO_POSITIVE_REGULATION_OF_EXTRINSIC_APOPTOTI	GO_POSITIVE_REGULATION	21	0.42189974	1.2271341	0.22156863	0.93659914		

GSE18893_CTRL_VS_TNF_TREATED_TCONV_24H_DN	GSE18893_CTRL_VS_TNF_T	42	0.34610677	1.223904	0.19729207	0.9315011	1	1171	tags=38%, list=23%, signal=49%
GO_NEGATIVE_REGULATION_OF_CELL_COMMUNICATI	GO_NEGATIVE_REGULATIO	380	0.28510372	1.22382525	0.20190476	0.9309318	1	1253	tags=32%, list=25%, signal=39%
GSE5589_LPS_VS_LPS_AND_IL10_IL10_MACRAC	GSE5589_LPS_VS_LPS_AND	68	0.31200916	1.2237772	0.1627907	0.93044406	1	1382	tags=43%, list=28%, signal=58%
GSE32034_UNTREATED_VS_ROSIGLIZATONE_TREATED	GSE32034_UNTREATED_VS	51	0.34822986	1.2237055	0.20662768	0.92995536	1	1357	tags=45%, list=27%, signal=61%
BROWNE_HCMV_INFECTION_4HR_UP	BROWNE_HCMV_INFECTIO	27	0.39423156	1.2236656	0.23123732	0.9293281	1	965	tags=30%, list=19%, signal=37%
GSE17721_LPS_VS_GARDIQUIMOD_0.5H_BMDC_UP	GSE17721_LPS_VS_GARDIQ	48	0.3333436	1.2235518	0.1940594	0.9289649	1	1046	tags=29%, list=21%, signal=37%
GO_REGULATION_OF_TRANSFORMING_GROWTH_FACT	GO_REGULATION_OF_TRAN	36	0.38433734	1.2235372	0.23552124	0.9282276	1	1115	tags=39%, list=22%, signal=50%
GO_REGULATION_OF_CELLULAR_RESPONSE_TO_TRAN	GO_REGULATION_OF_CELLI	36	0.38433732	1.2235368	0.23552124	0.9274437	1	1115	tags=39%, list=22%, signal=50%
GO_MATERNAL_PROCESS_INVOLVED_IN_FEMALE_P	GO_MATERNAL_PROCESS_I	26	0.34173185	1.2232326	0.16334662	0.9274916	1	744	tags=19%, list=15%, signal=22%
KIM_ALL_DISORDERS_CALB1_CORR_UP	KIM_ALL_DISORDERS_CALB	134	0.3029282	1.2232025	0.15714286	0.9267893	1	1442	tags=40%, list=29%, signal=54%
GO_REGULATION_OF_SYNAPSE_ORGANIZATION	GO_REGULATION_OF_SYN	49	0.35976347	1.2232785	0.23251417	0.92610794	1	1510	tags=45%, list=30%, signal=64%
GSE28737_FOLLICULAR_VS_MARGINAL_ZONE_BCELL	GSE28737_FOLLICULAR_VS	27	0.3732511	1.2232507	0.17741935	0.92544067	1	1589	tags=52%, list=32%, signal=76%
GSE6269_HEALTHY_VS_STAPH_AUREUS_INF_P8MC_DN	GSE6269_HEALTHY_VS_STA	47	0.32385325	1.2232028	0.18074656	0.9248711	1	961	tags=34%, list=19%, signal=42%
GO_EXTRACELLULAR_MATR	GO_EXTRACELLULAR_MATR	223	0.35335228	1.2231311	0.26577437	0.9243537	1	1638	tags=50%, list=33%, signal=71%
GO_REGULATION_OF_CARBOHYDRATE_METABOLIC_PR	GO_REGULATION_OF_CARB	53	0.33584568	1.2229367	0.2063197	0.9243393	1	1383	tags=40%, list=28%, signal=54%
GO_SENSORIAL_PERCEPTION	GO_SENSORIAL_PERCEPTI	170	0.27731556	1.2225128	0.15929204	0.9251903	1	1510	tags=36%, list=30%, signal=50%
CACCTTG_MIR-520G_MIR-520H	CACCTTG_MIR-520G_MIR-52	57	0.3279308	1.2225907	0.2027833	0.92446107	1	1013	tags=32%, list=20%, signal=39%
GO_VOLTAGE_GATED_ION_CHANNEL_ACTIVITY	GO_VOLTAGE_GATED_ION_C	58	0.32527664	1.2223305	0.1785124	0.9243005	1	672	tags=24%, list=13%, signal=28%
ERB2_UP_V1_DN	ERB2_UP_V1_DN	79	0.32042082	1.2220473	0.20158103	0.924671	1	1047	tags=34%, list=21%, signal=43%
GSE17721_PAM3CSK4_VS_CPG_0.5H_BMDC_DN	GSE17721_PAM3CSK4_VS_C	55	0.31636128	1.221749	0.17260788	0.92504233	1	928	tags=24%, list=19%, signal=31%
VSMZM_Q6	VSMZM_Q6	29	0.34935543	1.2217038	0.18126273	0.9244392	1	148	tags=14%, list=3%, signal=14%
GSE23502_BM_VS_COLON_TUMOR_MYELOID_DERIVED	GSE23502_BM_VS_COLON_	62	0.3370412	1.2216434	0.20876826	0.92389524	1	905	tags=27%, list=18%, signal=34%
GO_CHEMICAL_HOMEOSTASIS	GO_CHEMICAL_HOMEOSTA	315	0.27280256	1.2214065	0.13627993	0.92404383	1	959	tags=23%, list=19%, signal=26%
MODULE_1	MODULE_1	183	0.37023017	1.2213603	0.29215688	0.92345726	1	1487	tags=46%, list=30%, signal=64%
POMEROY_MEDULLOBLASTOMA_DESMOPLASIC_VS_CL	POMEROY_MEDULLOBLAST	18	0.42009106	1.2213194	0.22303474	0.9228521	1	412	tags=28%, list=8%, signal=30%
GO_CELL_MORPHOGENESIS_INVOLVED_IN_NEURON_D	GO_CELL_MORPHOGENESIS	129	0.2932953	1.2212031	0.1747212	0.92253536	1	1054	tags=29%, list=21%, signal=35%
GO_REGULATION_OF_PROTEIN_LOCALIZATION	GO_REGULATION_OF_PROT	278	0.2853877	1.2211734	0.17843138	0.92187655	1	1384	tags=33%, list=28%, signal=44%
ESC_V6.5_UP_EARLY_V1_UP	ESC_V6.5_UP_EARLY_V1_UP	61	0.30561805	1.2210792	0.13944224	0.9214788	1	728	tags=21%, list=15%, signal=25%
GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10PO	GSE35685_CD34POS_CD38	40	0.34068108	1.2210398	0.20582524	0.92086816	1	1144	tags=38%, list=23%, signal=48%
GO_REGULATION_OF_INTRACELLULAR_PROTEIN_TRAN	GO_REGULATION_OF_INTR	99	0.31264055	1.2207533	0.18016194	0.9211894	1	1063	tags=29%, list=21%, signal=36%
GO_ENDOPLASMIC_RETICULUM_PART	GO_ENDOPLASMIC_RETICU	303	0.27346697	1.2205904	0.1415608	0.9210996	1	1333	tags=33%, list=27%, signal=43%
GO_RESPONSE_TO_METAL_I	GO_RESPONSE_TO_METAL_I	129	0.28641942	1.2204864	0.17829457	0.92073494	1	1388	tags=36%, list=28%, signal=48%
GO_NEGATIVE_REGULATION_OF_HEMOPOIESIS	GO_NEGATIVE_REGULATIO	40	0.35553758	1.2203811	0.19175258	0.9203728	1	933	tags=28%, list=19%, signal=34%
GSE6269_E_COLI_VS_STREP_PNEUMO_INF_P8MC_UP	GSE6269_E_COLI_VS_STRE	53	0.31916296	1.2202297	0.17693837	0.9201718	1	682	tags=19%, list=14%, signal=22%
GSE14000_TRANSLATED_RNA_VS_MRNA_16H_LPS_DC	GSE14000_TRANSLATED_R	23	0.38451505	1.2200876	0.2112403	0.9199507	1	1289	tags=30%, list=26%, signal=41%
GSE13485_CTRL_VS_DAY1_Y17D_VACCINE_PBMC_DN	GSE13485_CTRL_VS_DAY1_	52	0.32387647	1.2199228	0.19677997	0.9198794	1	555	tags=17%, list=11%, signal=19%
GSE9960_HEALTHY_VS_GRAM_POS_SEPSIS_PBMC_UP	GSE9960_HEALTHY_VS_GRA	21	0.37449493	1.219551	0.18613862	0.9205833	1	653	tags=33%, list=13%, signal=38%
GSE6259_33D1_POS_DC_VS_CD8_TCELL_DN	GSE6259_33D1_POS_DC_V	40	0.36493728	1.2195225	0.21653543	0.91994274	1	663	tags=25%, list=13%, signal=29%
GO_NEGATIVE_REGULATION_OF_CYCLIC_NUCLEOTID	GO_NEGATIVE_REGULATIO	17	0.4122413	1.219303	0.21361059	0.92002994	1	1593	tags=53%, list=32%, signal=77%
MODULE_325	MODULE_325	17	0.43983278	1.2191651	0.2376033	0.9198157	1	798	tags=53%, list=16%, signal=63%
CHANG_CORE_SERUM_RESPONSE_DN	CHANG_CORE_SERUM_RESP	49	0.34098718	1.2190552	0.19161677	0.9194826	1	1111	tags=35%, list=22%, signal=44%
GSE43863_NAIVE_VS_LY6C_INTX_CXCR3POS_CD4_EFF	GSE43863_NAIVE_VS_LY6C	47	0.343129	1.219048	0.19379845	0.91876084	1	935	tags=30%, list=19%, signal=36%
VST3R_Q6	VST3R_Q6	75	0.29982582	1.2190012	0.13051146	0.91820455	1	970	tags=29%, list=19%, signal=36%
GO_ACTIN_FILAMENT_BASED_PROCESS	GO_ACTIN_FILAMENT_BASE	125	0.27076218	1.2188554	0.13360325	0.9179753	1	1354	tags=34%, list=27%, signal=45%
AAGCCAT_MIR-135A_MIR-135B	AAGCCAT_MIR-135A_MIR-1	7	0.3050871	1.2187682	0.16091955	0.91753244	1	639	tags=22%, list=13%, signal=25%
GO_PATTERN_SPECIFICATION_PROCESS	GO_PATTERN_SPECIFICATI	165	0.29710868	1.2186683	0.16536964	0.9171774	1	893	tags=26%, list=18%, signal=31%
GO_POSITIVE_REGULATION_OF_DEVELOPMENTAL_GRO	GO_POSITIVE_REGULATION	58	0.32488132	1.2186062	0.20114942	0.91666305	1	678	tags=21%, list=14%, signal=24%
GO_OXYGEN_BINDING	GO_OXYGEN_BINDING	17	0.4314858	1.2185342	0.22426471	0.9162129	1	1550	tags=53%, list=31%, signal=76%
GO_MULTICELLULAR_ORGANISMAL_RESPONSE_TO_STF	GO_MULTICELLULAR_ORGA	23	0.3826259	1.218404	0.19314079	0.91592133	1	222	tags=17%, list=4%, signal=18%
GSE9316_IL6_KO_VS_IL6_KO_INVIVO_EXPANDED_CD4	GSE9316_IL6_KO_VS_IL6_	57	0.33443287	1.2181381	0.20948617	0.9161618	1	1280	tags=37%, list=26%, signal=48%
GSE7852_IL6_VS_FAT_TREG_DN	GSE7852_IL6_VS_FAT_TREG	68	0.3042024	1.2177624	0.15445544	0.91688806	1	1031	tags=26%, list=21%, signal=33%
MORF_LTK	MORF_LTK	36	0.33196828	1.2177552	0.18367347	0.916176	1	1440	tags=42%, list=29%, signal=58%
IVANOVA_HEMATOPOIESIS_STEM_CELL_AND_PROGENI	IVANOVA_HEMATOPOIESIS	183	0.26635147	1.2176354	0.1412844	0.9159246	1	1449	tags=40%, list=29%, signal=54%
BECKER_TAMOXIFEN_RESISTANCE_DN	BECKER_TAMOXIFEN_RESIS	33	0.36308414	1.2174791	0.20824742	0.915783	1	1073	tags=42%, list=21%, signal=54%
HUPER_BREAST_BASAL_VS_LIMULAN_DN	HUPER_BREAST_BASAL_VS	44	0.3663995	1.2174624	0.2238806	0.9150911	1	926	tags=36%, list=19%, signal=44%
ZHONG_RESPONSE_TO_AZACITIDINE_AND_TSA_UP	ZHONG_RESPONSE_TO_AZ	57	0.32698774	1.2172104	0.2015504	0.91524905	1	1007	tags=32%, list=20%, signal=39%
GO_REGULATION_OF_SYSTEM_PROCESS	GO_REGULATION_OF_SYSTI	196	0.29086274	1.2168862	0.19029851	0.9157117	1	1593	tags=43%, list=32%, signal=61%
GSE27291_6H_VS_7D_STIM_GAMMADelta_TCELL_DN	GSE27291_6H_VS_7D_STIM	45	0.32380278	1.2164778	0.17716536	0.9165773	1	640	tags=20%, list=13%, signal=23%
MORF_ATTR	MORF_ATTR	30	0.34116548	1.2158659	0.18320611	0.91818154	1	545	tags=17%, list=11%, signal=19%
GO_GENERATION_OF_PRECURSOR_METABOLITES_AND	GO_GENERATION_OF_PREC	48	0.3298081	1.2156327	0.19569471	0.9183078	1	1335	tags=42%, list=27%, signal=56%
GSE360_HIGH_DOSE_B_MALAYI_VS_M_TUBERCULOSIS	GSE360_HIGH_DOSE_B_MA	36	0.36861783	1.2152406	0.21756487	0.91903913	1	1018	tags=33%, list=20%, signal=42%
GSE21927_E4_VS_MCA203_TUMOR_MONOCYTES_UP	GSE21927_E4_VS_MCA203	46	0.33901322	1.2150528	0.20118344	0.91903615	1	1238	tags=41%, list=25%, signal=54%
GSE10856_CTRL_VS_TNFRSF6B_IN_MACROPHAGE_DN	GSE10856_CTRL_VS_TNFRS	35	0.34501705	1.2147017	0.16824196	0.91960526	1	1031	tags=29%, list=21%, signal=36%
GO_CATION_TRANSPORT	GO_CATION_TRANSPORT	225	0.26620305	1.2145783	0.13547237	0.91934717	1	682	tags=19%, list=14%, signal=21%
VSGR_Q6	VSGR_Q6	85	0.31093234	1.2145746	0.19109462	0.9186182	1	1230	tags=32%, list=25%, signal=41%
GSE2585_CD80_HIGH_VS_LOW_AIR_KO_MTEC_DN	GSE2585_CD80_HIGH_VS_L	78	0.29996347	1.2145419	0.19662921	0.9180028	1	1076	tags=36%, list=22%, signal=45%
GO_NONMOTILE_PRIMARY_CILIUM	GO_NONMOTILE_PRIMARY_C	32	0.3354316	1.214484	0.1802974	0.91748697	1	1029	tags=38%, list=21%, signal=47%
KEGG_CARDIAC_MUSCLE_CONTRACTION	KEGG_CARDIAC_MUSCLE_C	15	0.45810425	1.2144775	0.22426471	0.91676545	1	928	tags=40%, list=19%, signal=49%
LIU_SOX4_TARGETS_DN	LIU_SOX4_TARGETS_DN	45	0.33445984	1.214416	0.20545073	0.9162612	1	1138	tags=38%, list=23%, signal=48%
GSE37301_LYMPHOID_PRIMED_MPP_VS_RAG2_KO_NK	GSE37301_LYMPHOID_PRI	65	0.30396533	1.2138932	0.1741573	0.9176124	1	870	tags=22%, list=17%, signal=26%
CHR10Q24	CHR10Q24	21	0.391036	1.2133508	0.2311828	0.9188597	1	116	tags=14%, list=2%, signal=15%
GSE26351_UNSTIM_VS_BMP_PATHWAY_STIM_HEMATO	GSE26351_UNSTIM_VS_BMI	35	0.3387364	1.2133449	0.16403162	0.9181533	1	701	tags=26%, list=14%, signal=30%
GO_AMMONIUM_TRANSPOR	GO_AMMONIUM_TRANSPOR	19	0.41064733	1.2131995	0.21493624	0.91796184	1	832	tags=32%, list=17%, signal=38%
GSE360_L_MAJOR_VS_M_TUBERCULOSIS_DC_UP	GSE360_L_MAJOR_VS_M_T	45	0.32364345	1.2131656	0.17137097	0.9173405	1	1041	tags=36%, list=21%, signal=43%
GSE1112_OT1_CD8AB_VS_HY_CD8AA_THYMOCTE	GSE1112_OT1_CD8AB_VS_H	53	0.31197727	1.2128868	0.15697674	0.917626	1	513	tags=21%, list=10%, signal=25%
GSE41867_NAIVE_VS_DAY1_LCMV_CONE13_EFFECTOR	GSE41867_NAIVE_VS_DAY1	53	0.30546254	1.2125015	0.16423358	0.9183609	1	119	tags=9%, list=2%, signal=10%
GO_NEURON_PART	GO_NEURON_PART	395	0.25930655	1.2118045	0.125	0.9202881	1	1313	tags=32%, list=27%, signal=41%
GO_MITOCHONDRIAL_MATRX	GO_MITOCHONDRIAL_MAT	40	0.3441458	1.2117935	0.18234165	0.91958227	1	989	tags=38%, list=20%, signal=46%
VSSREBP1_Q6	VSSREBP1_Q6	70	0.30648178	1.2113434	0.16907217	0.9205694	1	1354	tags=37%, list=27%, signal=50%
BIDUS_METASTASIS_DN	BIDUS_METASTASIS_DN	26	0.4026319	1.2110578	0.24318658	0.92087764	1	1378	tags=38%, list=28%, signal=53%
GO_METAL_ION_TRANSPOR	GO_METAL_ION_TRANSPOR	177	0.2705202	1.2110296	0.15724382	0.92025495	1	682	tags=19%, list=14%, signal=21%
MODULE_19	MODULE_19	151	0.3206429	1.2109423	0.2319688	0.9198456	1	1322	tags=36%, list=26%, signal=48%
GO_POSITIVE_REGULATION_OF_JAK_STAT_CASCADE	GO_POSITIVE_REGULATION	34	0.38496926	1.2108951	0.2				



MODULE_69	MODULE_69	156	0.28151026	1.207297	0.18560606	0.91472226	1	1291	tags=33%, list=26%, signal=43%
GO_NEGATIVE_REGULATION_OF_BMP_SIGNALING_PATI	GO_NEGATIVE_REGULATION	20	0.44505256	1.2072786	0.28683692	0.91409511	1	658	tags=30%, list=13%, signal=34%
GSE11961_MARGINAL_ZONE_BCELL_VS_GERMINAL_ZONE	GSE11961_MARGINAL_ZONE	49	0.33293952	1.2071891	0.24260356	0.91370976	1	449	tags=22%, list=9%, signal=24%
GSE27786_LIN_NEG_VS_ERYTHROBLAST_UP	GSE27786_LIN_NEG_VS_ERY	27	0.37054366	1.2071202	0.22244489	0.9132396	1	732	tags=30%, list=15%, signal=35%
GO_EMBRYONIC_CRANIAL_SKELETON_MORPHOGENES	GO_EMBRYONIC_CRANIAL	16	0.43511716	1.2070107	0.22129436	0.9129466	1	1510	tags=50%, list=30%, signal=71%
DAVICION_TARGETS_OF_PAX_FOXO1_FUSIONS_DN	DAVICION_TARGETS_OF_P	34	0.37159503	1.2062645	0.21235521	0.91508895	1	671	tags=26%, list=13%, signal=30%
GO_ORGANIC_ACID_TRANSMEMBRANE_TRANSPORT	GO_ORGANIC_ACID_TRANS	36	0.34282937	1.2055392	0.18342152	0.91708434	1	1057	tags=39%, list=21%, signal=49%
NABA_PROTEOGLYCANS	NABA_PROTEOGLYCANS	17	0.48773566	1.2054744	0.2994012	0.9165996	1	1192	tags=53%, list=24%, signal=69%
COLDREN_GEFFITINB_RESISTANCE_UP	COLDREN_GEFFITINB_RESIS'	17	0.4285107	1.2054683	0.24427481	0.9159128	1	1080	tags=41%, list=22%, signal=52%
GSE19401_PAM2CSK4_VS_RETINOIC_ACID_STIM_FOLLI	GSE19401_PAM2CSK4_VS_F	45	0.319565	1.2054211	0.18714556	0.9153735	1	1247	tags=31%, list=25%, signal=41%
GSE3982_BASOPHIL_VS_NKCELL_DN	GSE3982_BASOPHIL_VS_NK	53	0.3345397	1.2044971	0.17836812	0.91816854	1	487	tags=19%, list=10%, signal=21%
KEGG_GAP_JUNCTION	KEGG_GAP_JUNCTION	24	0.3839967	1.2044125	0.23135756	0.91776806	1	563	tags=29%, list=11%, signal=33%
VPOU3F2_02	VPOU3F2_02	89	0.304048	1.2039771	0.1961165	0.91867787	1	736	tags=21%, list=15%, signal=25%
CROONQUIST_STROMAL_STIMULATION_UP	CROONQUIST_STROMAL_S'	35	0.42154494	1.2037627	0.2906504	0.9187632	1	1402	tags=49%, list=28%, signal=67%
MODULE_342	MODULE_342	125	0.30166748	1.2036905	0.22594142	0.91831416	1	1212	tags=36%, list=24%, signal=46%
GSE32901_TH1_VS_TH17_ENRICHED_CD4_TCELL_DN	GSE32901_TH1_VS_TH17_EI	25	0.3600123	1.2035106	0.21317829	0.91825354	1	638	tags=32%, list=13%, signal=36%
GSE34156_NOD2_LIGAND_VS_NOD2_AND_TLR1_TLR2_I	GSE34156_NOD2_LIGAND_I	54	0.30237526	1.2034843	0.16635859	0.91763765	1	767	tags=26%, list=15%, signal=30%
GSE32986_GMCSF_AND_CURDLAN_LOWDOSE_VS_GMC	GSE32986_GMCSF_AND_CL	31	0.34440142	1.2031662	0.21052632	0.9180739	1	1137	tags=39%, list=23%, signal=50%
KARLSSON_TGFB1_TARGETS_DN	KARLSSON_TGFB1_TARGET'	55	0.34127164	1.2031087	0.25097275	0.9175723	1	1569	tags=51%, list=31%, signal=73%
VSMZR_01	VSMZR_01	58	0.30793387	1.2029967	0.16862746	0.91729045	1	1544	tags=41%, list=31%, signal=59%
GO_HYDROLASE_ACTIVITY_ACTING_ON_CARBO	GO_HYDROLASE_ACTIVITY	15	0.45282558	1.202804	0.24380952	0.91731215	1	826	tags=47%, list=17%, signal=56%
GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_IFNAB_CD8	GSE15930_NAIVE_VS_72H_I	48	0.30472144	1.2024742	0.21455224	0.9178073	1	873	tags=27%, list=17%, signal=32%
GSE28237_EARLY_VS_LATE_GC_BCELL_DN	GSE28237_EARLY_VS_LATE	39	0.34260305	1.2023529	0.21556886	0.9175518	1	662	tags=26%, list=13%, signal=29%
GSE37301_MULTIPOTENT_PROGENITOR_VS_RAG2_KO_J	GSE37301_MULTIPOTENT_F	50	0.32912078	1.2022215	0.18406072	0.91734153	1	461	tags=18%, list=9%, signal=20%
GUO_TARGETS_OF_IRS1_AND_IRS2	GUO_TARGETS_OF_IRS1_A	25	0.38129508	1.2022144	0.21910113	0.9166682	1	536	tags=24%, list=11%, signal=27%
RODWELL_AGING_KIDNEY_DN	RODWELL_AGING_KIDNEY_D	49	0.33687302	1.2021488	0.19886364	0.9162292	1	1621	tags=51%, list=32%, signal=74%
GO_LONG_CHAIN_FATTY_ACID_METABOLIC_PROCESS	GO_LONG_CHAIN_FATTY_A	44	0.34365454	1.2018304	0.21715328	0.91675633	1	880	tags=27%, list=18%, signal=33%
GSE20715_WT_VS_LPS_L4_KO_48H_OZONE_LUNG_UP	GSE20715_WT_VS_LPS_L4_K	67	0.31288533	1.2017705	0.19607843	0.9162543	1	1179	tags=30%, list=24%, signal=39%
GSE20715_WT_VS_LPS_L4_KO_6H_OZONE_LUNG_UP	GSE20715_WT_VS_LPS_L4_K	57	0.33043885	1.2016962	0.22614108	0.9158312	1	930	tags=26%, list=19%, signal=32%
GSE27786_LSK_VS_CD8_TCELL_DN	GSE27786_LSK_VS_CD8_TCE	31	0.3690192	1.2014674	0.24746451	0.91599816	1	679	tags=23%, list=14%, signal=26%
GSE29164_DAYS_VS_DAY7_CD8_TCELL_TREATED_MELAI	GSE29164_DAYS_VS_DAY7_	39	0.31614777	1.2013903	0.1597633	0.9156107	1	950	tags=31%, list=19%, signal=38%
GO_LIPID_OXIDATION	GO_LIPID_OXIDATION	21	0.42865694	1.2012813	0.256705	0.91529435	1	1439	tags=48%, list=29%, signal=67%
GSE43863_NAIVE_VS_TFH_CD4_EFF_TCELL_D_LCMV_UI	GSE43863_NAIVE_VS_TFH_C	36	0.36766782	1.2011098	0.23540856	0.9152134	1	1145	tags=42%, list=23%, signal=54%
GSE3982_CTRL_VS_LPS_L1H	GSE3982_CTRL_VS_LPS_L1H	38	0.3392345	1.2010967	0.19883041	0.9145765	1	1587	tags=47%, list=32%, signal=69%
GGAMTNNNNNTCCY_UNKNOW	GGAMTNNNNNTCCY_UNKI	19	0.3932345	1.2009075	0.2284069	0.9145898	1	1195	tags=58%, list=24%, signal=76%
GO_PHOSPHATASE_ACTIVITY	GO_PHOSPHATASE_ACTIVI	61	0.30788538	1.2006413	0.2112676	0.91486824	1	541	tags=18%, list=11%, signal=20%
GO_REGULATION_OF_TRANSMEMBRANE_TRANSPORT	GO_REGULATION_OF_TRAN	141	0.28608418	1.2005156	0.21180555	0.9146344	1	1383	tags=35%, list=28%, signal=48%
GSE13411_NAIVE_VS_SWITC	GSE13411_NAIVE_VS_SWITC	78	0.31451008	1.2004969	0.22456814	0.91401577	1	1301	tags=33%, list=26%, signal=44%
ZHANG_TLX_TARGETS_UP	ZHANG_TLX_TARGETS_UP	44	0.3431541	1.2004784	0.22304833	0.91338825	1	1340	tags=41%, list=27%, signal=55%
TGNNNNNNKKCAR_UNKNOW	TGNNNNNNKKCAR_UNKN	142	0.29932952	1.2003688	0.21722114	0.9130751	1	1347	tags=37%, list=27%, signal=50%
GSE13493_CD4INTCD8POS_VS_CD8POS_THYMOCYTE_I	GSE13493_CD4INTCD8POS	44	0.32877338	1.2002424	0.2	0.91283566	1	1228	tags=39%, list=25%, signal=51%
GCNP_SHH_UP_EARLYV1_E	GCNP_SHH_UP_EARLYV1_E	62	0.30443385	1.1999785	0.19681908	0.9131214	1	367	tags=13%, list=7%, signal=14%
GO_PEPTIDYL_SERINE_MODIFICATION	GO_PEPTIDYL_SERINE_MOD	31	0.33554537	1.1999706	0.18664407	0.91246176	1	559	tags=19%, list=11%, signal=22%
GO_KIDNEY_EPITHELIUM_DEVELOPMENT	GO_KIDNEY_EPITHELIUM_D	57	0.31501118	1.199781	0.20769231	0.91248214	1	958	tags=26%, list=19%, signal=32%
GO_RESPONSE_TO_STEROID_HORMONE	GO_RESPONSE_TO_STEROI	203	0.2781474	1.1994085	0.19433962	0.9131741	1	951	tags=25%, list=19%, signal=30%
CATGTA_MIR-496	CATGTA_MIR-496	47	0.34278232	1.1992682	0.21013133	0.91303843	1	767	tags=30%, list=15%, signal=35%
MODULE_334	MODULE_334	46	0.31693867	1.1991392	0.20948617	0.9128236	1	1040	tags=33%, list=21%, signal=41%
MODULE_493	MODULE_493	17	0.40680822	1.1987942	0.21255061	0.9134151	1	772	tags=41%, list=15%, signal=49%
GSE17974_0H_VS_0.5H_IN_VITRO_ACT_CD4_TCELL_UP	GSE17974_0H_VS_0.5H_IN'	51	0.319298	1.1985546	0.18233083	0.9136004	1	310	tags=14%, list=6%, signal=14%
ACATCCMIR-1_MIR-206	ACATCCMIR-1_MIR-206	59	0.33415017	1.1985282	0.24612403	0.9130106	1	1064	tags=31%, list=21%, signal=38%
REACTOME_SIGNALING_BY_FGFR_IN_DISEASE	REACTOME_SIGNALING_BY	23	0.40428054	1.1982079	0.21875	0.91352063	1	1783	tags=52%, list=36%, signal=81%
GSE36392_TYPE_2_MYELOID_VS_MAC_IL23_TREATED_IL	GSE36392_TYPE_2_MYELOI	18	0.40244287	1.1980623	0.2410148	0.9133707	1	1049	tags=44%, list=21%, signal=56%
GO_AMINO_ACID_TRANSMEMBRANE_TRANSPORT	GO_AMINO_ACID_TRANSM	19	0.37072852	1.1979128	0.22467771	0.913245	1	1057	tags=47%, list=21%, signal=60%
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUS	YAO_TEMPORAL_RESPONSEI	26	0.36717364	1.1978744	0.21941748	0.9126874	1	1138	tags=42%, list=23%, signal=54%
VSHFH3_01	VSHFH3_01	63	0.3149122	1.197656	0.1985428	0.9127939	1	596	tags=17%, list=12%, signal=20%
GSE13411_NAIVE_VS_MEMORY_BCELL_UP	GSE13411_NAIVE_VS_MEMI	77	0.3052087	1.1976342	0.19699812	0.9120576	1	853	tags=27%, list=17%, signal=32%
GTCGAA_MIR-507	GTCGAA_MIR-507	35	0.36014402	1.1975317	0.23827392	0.9118968	1	1453	tags=49%, list=29%, signal=68%
GSE5589_LPS_VS_LPS_AND_IL10_STIM_MACROPHAGE_I	GSE5589_LPS_VS_LPS_AND	40	0.3256079	1.1975288	0.18455744	0.91124466	1	671	tags=23%, list=13%, signal=26%
OSADA_ASC1_TARGETS_UP	OSADA_ASC1_TARGETS_U	28	0.3821302	1.1974727	0.2364341	0.9107521	1	1665	tags=54%, list=33%, signal=80%
GSE45365_NK_CELL_VS_CD8A_DC_UP	GSE45365_NK_CELL_VS_CD	40	0.3219467	1.1972305	0.21556886	0.91098785	1	131	tags=13%, list=3%, signal=13%
GSE15930_STIM_VS_STIM_AND_IL12_24H_CD8_T_CELL	GSE15930_STIM_VS_STIM_#	54	0.31753268	1.1972274	0.21666667	0.91032696	1	965	tags=30%, list=19%, signal=36%
GSE27786_CD8_TCELL_VS_ERYTHROBLAST_DN	GSE27786_CD8_TCELL_VS_E	64	0.31201515	1.1970722	0.20733945	0.9101895	1	1694	tags=52%, list=34%, signal=77%
GSE11961_PLASMA_CELL_DAY7_VS_GERMINAL_CENTER	GSE11961_PLASMA_CELL_D	46	0.3097133	1.1968123	0.1799591	0.9105046	1	965	tags=30%, list=19%, signal=37%
GSE22886_NEUTROPHIL_VS_DC_DN	GSE22886_NEUTROPHIL_V	18	0.41050523	1.1967466	0.23921569	0.9100768	1	72	tags=17%, list=1%, signal=17%
CUI_TCF21_TARGETS_2_DN	CUI_TCF21_TARGETS_2_DN	239	0.30455272	1.1966165	0.23493975	0.9098907	1	1143	tags=31%, list=23%, signal=39%
GO_REGULATION_OF_MONOOXYGENASE_ACTIVITY	GO_REGULATION_OF_MON	18	0.40158057	1.1964827	0.2244489	0.9096949	1	659	tags=22%, list=13%, signal=26%
GO_POSITIVE_REGULATION_OF_CELLULAR_AMIDE_MET	GO_POSITIVE_REGULATION	16	0.3931168	1.1964333	0.2281746	0.9091797	1	158	tags=13%, list=3%, signal=13%
GSE5589_IL6_KO_VS_IL10_KO_ILPS_AND_IL6_STIM_MAC	GSE5589_IL6_KO_VS_IL10_K	47	0.329709	1.196282	0.224	0.9090662	1	1127	tags=30%, list=20%, signal=38%
VSNF1_Q6	VSNF1_Q6	80	0.29506537	1.19605	0.1981132	0.90924287	1	1023	tags=24%, list=20%, signal=29%
MORF_KDR	MORF_KDR	29	0.3608626	1.1959872	0.22878228	0.9087826	1	497	tags=17%, list=10%, signal=19%
GO_NEGATIVE_REGULATION_OF_ION_TRANSPORT	GO_NEGATIVE_REGULATION	52	0.33265147	1.1959325	0.22283609	0.908315	1	1467	tags=38%, list=29%, signal=54%
SMIRNOV_RESPONSE_TO_IR_6HR_UP	SMIRNOV_RESPONSE_TO_I	44	0.3437569	1.1957712	0.22954091	0.9082057	1	887	tags=27%, list=18%, signal=33%
LEE_NEURAL_CREST_STEM_CELL_UP	LEE_NEURAL_CREST_STEM_I	75	0.34646258	1.1955826	0.26492536	0.90822494	1	1214	tags=43%, list=24%, signal=56%
GO_PHOSPHOLIPASE_C_ACTIVATING_G_PROTEIN_COUI	GO_PHOSPHOLIPASE_C_AC	32	0.3443442	1.1955062	0.22284645	0.9078423	1	116	tags=9%, list=2%, signal=10%
VSHFH8_01	VSHFH8_01	71	0.3087274	1.1954943	0.21606119	0.9072087	1	1442	tags=31%, list=29%, signal=43%
WELCSH_BRCA1_TARGETS_UP	WELCSH_BRCA1_TARGETS_I	5	0.3220211	1.1953561	0.2081712	0.9070561	1	275	tags=14%, list=6%, signal=15%
GO_PERIKARYON	GO_PERIKARYON	38	0.34994423	1.1953164	0.23905109	0.9065535	1	1259	tags=42%, list=25%, signal=56%
GO_DENDRITE	GO_DENDRITE	139	0.27658838	1.1953026	0.15426497	0.90592825	1	1433	tags=35%, list=29%, signal=47%
KEGG_VASCULAR_SMOOTH_MUSCLE_CONTRACTION	KEGG_VASCULAR_SMOOTH	36	0.35001805	1.1950241	0.22047244	0.9063294	1	629	tags=25%, list=13%, signal=28%
GO_REGULATION_OF_PHOSPHATIDYLINOSITOL_3_KINA	GO_REGULATION_OF_PHOS	57	0.3358453	1.1949503	0.27575665	0.90593666	1	1470	tags=42%, list=29%, signal=59%
PID_A1_PATHWAY	PID_A1_PATHWAY	35	0.3701518	1.1949304	0.25048923	0.9053487	1	1121	tags=34%, list=22%, signal=44%
GO_POSITIVE_REGULATION_OF_OSSIFICATION	GO_POSITIVE_REGULATION	45	0.36472976	1.194918	0.256654	0.9047356	1	770	tags=27%, list=15%, signal=31%
GO_CELLULAR_RESPONSE_TO_HORMONE_STIMULUS	GO_CELLULAR_RESPONSE_I	179	0.27645448	1.1944821	0.1				

RGAAANTTC_VSHSFL01	RGAAANTTC_VSHSFL01	141	0.27578825	1.1901767	0.16423358	0.9050691	1	954 tags=26%, list=19%, signal=32%
GO_NITROGEN_COMPOUND_TRANSPORT	GO_NITROGEN_COMPOUND	111	0.28034398	1.8999778	0.19298245	0.9051429	1	992 tags=30%, list=20%, signal=36%
GSE360_T_GONDI1_V_B_MALAYLOW_DOSE_MAC_DN	GSE360_T_GONDI1_V_B_M	31	0.34000227	1.189881	0.21442126	0.90485096	1	679 tags=23%, list=14%, signal=26%
GSE45739_NRAS_KO_VS_WT_ACD3_ACD28_STIM_CD4_I	GSE45739_NRAS_KO_VS_W	45	0.34733945	1.894177	0.24705882	0.905927	1	1575 tags=51%, list=32%, signal=74%
GO_ENDOTHELIUM_DEVELOPMENT	GO_ENDOTHELIUM_DEVEL	23	0.39041394	1.1892959	0.2529412	0.90571547	1	1729 tags=61%, list=35%, signal=93%
XU_GH1_EXOGENOUS_TARGETS_UP	XU_GH1_EXOGENOUS_TAR	20	0.3686837	1.8920666	0.19111969	0.90537727	1	1157 tags=40%, list=23%, signal=52%
GSE15324_NAIVE_VS_ACTIVATED_CD8_TCELL_DN	GSE15324_NAIVE_VS_ACTV	52	0.31105793	1.1887943	0.19767442	0.9062554	1	1054 tags=29%, list=21%, signal=35%
WAMUNYOKOLI_OVARIAN_CANCER_LMP_DN	WAMUNYOKOLI_OVARIAN	79	0.37633175	1.887919	0.30284554	0.9056202	1	1350 tags=41%, list=27%, signal=55%
GO_CYSSTEINE_TYPE_ENDOPEPTIDASE_INHIBITOR_ACTIV	GO_CYSSTEINE_TYPE_ENDOF	26	0.38014093	1.887715	0.22900763	0.90502894	1	926 tags=35%, list=19%, signal=42%
GSE7852_THYMUS_VS_FAT_TREG_DN	GSE7852_THYMUS_VS_FAT	57	0.3101987	1.885874	0.20338982	0.90505207	1	1407 tags=37%, list=28%, signal=51%
GO_REGULATION_OF_CELL_MORPHOGENESIS_INVOLVING	GO_REGULATION_OF_CELL	105	0.30475423	1.885798	0.21807465	0.9044315	1	882 tags=27%, list=18%, signal=32%
HOSHIDA_LIVER_CANCER_SURVIVAL_DN	HOSHIDA_LIVER_CANCER_S	30	0.3679333	1.1885303	0.2513661	0.90396726	1	1216 tags=33%, list=24%, signal=44%
GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_2H_UP	GSE18791_CTRL_VS_NEWC	36	0.32599458	1.1884758	0.19723865	0.903504	1	992 tags=33%, list=20%, signal=41%
KEGG_AXON_GUIDANCE	KEGG_AXON_GUIDANCE	42	0.33953327	1.1883134	0.24080883	0.90344167	1	678 tags=29%, list=14%, signal=33%
GSE2128_CTRL_VS_MIMETOPE_NEGATIVE_SELECTION_C	GSE2128_CTRL_VS_MIMETC	46	0.32838228	1.1883094	0.22160149	0.9028088	1	646 tags=24%, list=13%, signal=27%
GSE41867_NAIVE_VS_DAY30_LCMV_ARMSTRONG_MEM	GSE41867_NAIVE_VS_DAY3	17	0.4113071	1.1880462	0.238	0.90307397	1	451 tags=29%, list=9%, signal=32%
AAAYWAACM_VSHFH4_01	AAAYWAACM_VSHFH4_01	100	0.2942407	1.1876807	0.19619048	0.9037857	1	1190 tags=28%, list=24%, signal=36%
GO_MONOCARBOXYLIC_ACID_TRANSPORT	GO_MONOCARBOXYLIC_AC	53	0.31070077	1.1876031	0.20609319	0.9034534	1	1032 tags=30%, list=21%, signal=38%
GO_ALPHA_AMINO_ACID_CATABOLIC_PROCESS	GO_ALPHA_AMINO_ACID_C	32	0.35539982	1.1874925	0.21441774	0.903224	1	1738 tags=59%, list=35%, signal=98%
GSE34156_NOD2_LIGAND_VS_NOD2_AND_TLR1_TLR2_I	GSE34156_NOD2_LIGAND_V	43	0.3303775	1.1873473	0.2137931	0.90312845	1	1442 tags=42%, list=29%, signal=58%
WANG_SMARCE1_TARGETS_UP	WANG_SMARCE1_TARGETS	150	0.34247845	1.1870546	0.26757812	0.9035895	1	965 tags=29%, list=19%, signal=35%
VSGABP_B	VSGABP_B	16	0.45231026	1.1868819	0.26481482	0.90354533	1	1060 tags=44%, list=21%, signal=55%
GSE29949_MICROGLIA_BRAIN_VS_MONOCYTE_BONE_M	GSE29949_MICROGLIA_BRA	79	0.2935567	1.1868253	0.2055336	0.9031115	1	1373 tags=35%, list=27%, signal=48%
YOSHIMURA_MAPK8_TARGETS_UP	YOSHIMURA_MAPK8_TARG	469	0.25095803	1.1866034	0.18132855	0.90330786	1	1379 tags=31%, list=28%, signal=39%
GSE21546_WT_VS_ELK1_KO_DP_THYMOCYTES_UP	GSE21546_WT_VS_ELK1_KO	52	0.29657203	1.1860638	0.17726398	0.9046051	1	1165 tags=31%, list=23%, signal=40%
V5AR_01	V5AR_01	41	0.3302267	1.1860071	0.2152381	0.9041628	1	1140 tags=37%, list=23%, signal=47%
GSE3292_DN3_THYMOCYTE_VS_TCF1_KO_TCELL_LYMF	GSE3292_DN3_THYMOCYT	42	0.32313982	1.1859568	0.22692308	0.9037148	1	865 tags=31%, list=17%, signal=37%
GO_NEGATIVE_REGULATION_OF_EXTRINSIC_APOPTOSIS	GO_NEGATIVE_REGULATIO	16	0.40702453	1.1856565	0.25186568	0.9041773	1	848 tags=25%, list=17%, signal=30%
GO_NEGATIVE_REGULATION_OF_SIGNAL_TRANSDUCTIO	GO_NEGATIVE_REGULATIO	16	0.40702447	1.1856564	0.25186568	0.90354013	1	848 tags=25%, list=17%, signal=30%
GO_REGULATION_OF_CYTOPLASMIC_TRANSPORT	GO_REGULATION_OF_CYTO	119	0.3111994	1.1856045	0.24356435	0.903086	1	650 tags=21%, list=13%, signal=24%
GO_REGULATION_OF_MEMBRANE_POTENTIAL	GO_REGULATION_OF_ELEC	119	0.2889456	1.1854563	0.20733945	0.90299296	1	1780 tags=48%, list=36%, signal=73%
GO_RESPONSE_TO_ELECTRICAL_STIMULUS	GO_RESPONSE_TO_ELECTRI	16	0.39755088	1.1851327	0.22857143	0.90349287	1	1419 tags=50%, list=28%, signal=70%
GO_ENDOPLASMIC_RETICULUM	GO_ENDOPLASMIC_RETICU	441	0.25207877	1.1848117	0.17375231	0.90400803	1	1342 tags=31%, list=27%, signal=39%
CHR19P13	CHR19P13	70	0.32920665	1.1847794	0.26252505	0.9034849	1	1011 tags=29%, list=20%, signal=35%
GSE11924_TFH_VS_TH2_CD4_TCELL_UP	GSE11924_TFH_VS_TH2_CD	26	0.3634792	1.1847473	0.24409449	0.9029493	1	1259 tags=42%, list=25%, signal=56%
GGCKCATGS_UNKOWN	GGCKCATGS_UNKOWN	16	0.3947168	1.1844534	0.23745173	0.9033864	1	1384 tags=44%, list=28%, signal=60%
IL2_UP_V1_DN	IL2_UP_V1_DN	91	0.29889515	1.1843637	0.22568093	0.90306574	1	1249 tags=35%, list=25%, signal=46%
GO_GATED_CHANNEL_ACTIVITY	GO_GATED_CHANNEL_ACTI	105	0.28517374	1.1843001	0.18561873	0.90269357	1	1388 tags=37%, list=28%, signal=50%
VERHAAK_GLIOMASTOMA_NEURAL	VERHAAK_GLIOMASTOMA_N	51	0.33961353	1.1838304	0.25585586	0.9037738	1	858 tags=29%, list=17%, signal=35%
V5WHN_B	V5WHN_B	71	0.31099814	1.183678	0.22306238	0.9036942	1	1175 tags=30%, list=24%, signal=38%
GSE4984_UNTREATED_VS_VEHICLE_CTRL_TREATED_DC	GSE4984_UNTREATED_VS_V	37	0.35657054	1.1831261	0.25477707	0.905078	1	435 tags=16%, list=11%, signal=18%
GSE44955_MCSF_VS_MCSF_AND_IL2_STIM_MACROPH	GSE44955_MCSF_VS_MCSF	38	0.3207702	1.1831167	0.20532319	0.90447724	1	542 tags=21%, list=9%, signal=23%
GSE11864_UNTREATED_VS_CSF1_PAM3CYS_IN_MAC_UI	GSE11864_UNTREATED_VS	41	0.3298939	1.1826174	0.24691358	0.90564805	1	426 tags=20%, list=9%, signal=21%
GSE17974_IL4_AND_ANTIL12_VS_UNTREATED_4H_ACTI	GSE17974_IL4_AND_ANTIL	42	0.3525973	1.1824334	0.26229507	0.9056846	1	729 tags=24%, list=15%, signal=28%
GSE12392_WT_VS_IFNB_KO_CD8A_POS_SPLEEN_CD_DN	GSE12392_WT_VS_IFNB_KO	58	0.3295902	1.1823862	0.23653845	0.9052198	1	591 tags=19%, list=12%, signal=21%
FINAK_BREAST_CANCER_SDPD_SIGNATURE	FINAK_BREAST_CANCER_SC	21	0.43884742	1.182258	0.30078125	0.90504265	1	519 tags=33%, list=10%, signal=37%
GO_REPRODUCTION	GO_REPRODUCTION	418	0.23432528	1.1822119	0.11796733	0.90457857	1	933 tags=22%, list=19%, signal=25%
GO_GROWTH	GO_GROWTH	151	0.27702552	1.1819856	0.19666049	0.90472895	1	981 tags=26%, list=20%, signal=32%
GO_SH3_DOMAIN_BINDING	GO_SH3_DOMAIN_BINDING	33	0.34126574	1.1816052	0.248	0.9053737	1	1414 tags=45%, list=28%, signal=63%
BREDEMEYER_RAG_SIGNALING_VIA_ATM_NOT_VIA_NF	BREDEMEYER_RAG_SIGNA	20	0.38001552	1.1814988	0.25844932	0.90515345	1	287 tags=20%, list=6%, signal=21%
GO_METAL_ION_TRANSMEMBRANE_TRANSPORTER_AC	GO_METAL_ION_TRANSMET	127	0.26752997	1.1814985	0.18377483	0.9045271	1	1326 tags=34%, list=27%, signal=45%
GO_MAIN_AXON	GO_MAIN_AXON	25	0.37345897	1.1814789	0.24584104	0.90397125	1	1797 tags=56%, list=36%, signal=87%
GO_MOLECULAR_FUNCTION_REGULATOR	GO_MOLECULAR_FUNCTION	385	0.24583496	1.1813802	0.1712204	0.90369517	1	1025 tags=24%, list=21%, signal=27%
GO_REGULATION_OF_EMBRYONIC_DEVELOPMENT	GO_REGULATION_OF_EMBF	45	0.35563624	1.1813003	0.26418787	0.90334255	1	1715 tags=51%, list=34%, signal=79%
GSE37301_GRANULOCYTE_MONOCYTE_PROGENITOR_V	GSE37301_GRANULOCYTE_	43	0.33736542	1.1812067	0.24297188	0.9030268	1	658 tags=26%, list=13%, signal=29%
CADWELL_ATG16L1_TARGETS_UP	CADWELL_ATG16L1_TARGE	42	0.36042127	1.181195	0.26589596	0.9024435	1	1182 tags=33%, list=24%, signal=43%
GO_CALCIIUM_ION_BINDING	GO_CALCIIUM_ION_BINDING	265	0.26269254	1.1810925	0.20297952	0.9022048	1	1421 tags=35%, list=28%, signal=47%
BERTUCCI_MEDULLARY_VS_DUCTAL_BREAST_CANCER	BERTUCCI_MEDULLARY_VS	67	0.3751248	1.1809874	0.2782258	0.9019467	1	1196 tags=43%, list=24%, signal=56%
GSE17974_OH_VS_6H_IN_VITRO_ACT_CD4_TCELL_UP	GSE17974_OH_VS_6H_IN_VI	56	0.31543255	1.1805539	0.22692308	0.9028557	1	1240 tags=34%, list=25%, signal=45%
ROSS_ACUTE_MYELOID_LEUKEMIA_CBF	ROSS_ACUTE_MYELOID_LEL	34	0.33791715	1.1801095	0.2407045	0.90388286	1	1434 tags=44%, list=29%, signal=61%
GSE36888_STATS_AB_KNOCKIN_VS_WT_TCELL_I2_TRE	GSE36888_STATS_AB_KNO	61	0.33869204	1.1796558	0.25403225	0.9048639	1	1380 tags=41%, list=28%, signal=56%
AYAR_COBRAL1_TARGETS_UP	AYAR_COBRAL1_TARGETS_L	22	0.37932625	1.1795304	0.26451612	0.904674	1	715 tags=32%, list=14%, signal=37%
GSE37416_CTRL_VS_48H_F_TULARENSIS_LVS_NEUTROP	GSE37416_CTRL_VS_48H_F	17	0.44343047	1.1793584	0.25465837	0.90467167	1	138 tags=18%, list=3%, signal=18%
GSE6259_BCELL_VS_CD8_TCELL_UP	GSE6259_BCELL_VS_CD8_T	58	0.32333357	1.179282	0.2364341	0.9043135	1	1109 tags=26%, list=22%, signal=33%
GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8_TCELL	GSE45365_HEALTHY_VS_M	57	0.30783513	1.1792225	0.21516393	0.90391195	1	1818 tags=54%, list=36%, signal=84%
GSE37301_MULTIPOTENT_PROGENITOR_VS_PRO_BCELL	GSE37301_MULTIPOTENT	53	0.31541123	1.1787697	0.21470019	0.90493256	1	469 tags=17%, list=9%, signal=19%
GSE43863_TH1_VS_TH1_EFFECTOR_CD4_TCELL_DN	GSE43863_TH1_VS_TH1_E	42	0.34277746	1.1786736	0.2555781	0.9046514	1	745 tags=24%, list=15%, signal=28%
REACTOME_G_ALPHA1213_SIGNALING_EVENTS	REACTOME_G_ALPHA1213_	20	0.34653547	1.1786616	0.21468927	0.90407246	1	342 tags=20%, list=7%, signal=21%
GO_CATION_CHANNEL_ACTIVITY	GO_CATION_CHANNEL_ACT	93	0.28127024	1.178466	0.21917808	0.9034999	1	1388 tags=38%, list=28%, signal=51%
GO_HORMONE_TRANSPORT	GO_HORMONE_TRANSPOR	27	0.36985123	1.1785651	0.24514991	0.90314144	1	1427 tags=48%, list=29%, signal=67%
GSE17721_CPG_VS_GARDIQUIMOD_IH_BMDC_UP	GSE17721_CPG_VS_GARDI	53	0.32638202	1.1784731	0.23346305	0.9028473	1	905 tags=30%, list=18%, signal=36%
V5RSRF_C4_Q2	V5RSRF_C4_Q2	63	0.3164525	1.1782386	0.24057451	0.903107	1	1556 tags=41%, list=31%, signal=59%
GSE35685_CD30S_CD10NEG_CD26LPOS_VS_CD34PC	GSE35685_CD34POS_CD10	35	0.33401754	1.1781409	0.21553399	0.9028366	1	1031 tags=40%, list=21%, signal=50%
SERVITIA_ISLET_HNF1A_TARGETS_DN	SERVITIA_ISLET_HNF1A_TAI	53	0.30912626	1.1781383	0.21499014	0.90222967	1	261 tags=15%, list=5%, signal=16%
GO_REGULATION_OF_CELLULAR_PROTEIN_LOCALIZATI	GO_REGULATION_OF_CELL	137	0.28131224	1.1781001	0.20281124	0.9017445	1	1214 tags=32%, list=24%, signal=41%
V5OCT1_02	V5OCT1_02	70	0.31459597	1.1780323	0.2091743	0.9013821	1	1366 tags=37%, list=27%, signal=50%
DACOSTA_UV_RESPONSE_VIA_ERCC3_COMMON_UP	DACOSTA_UV_RESPONSE_V	22	0.38137224	1.178005	0.26060605	0.9008564	1	342 tags=18%, list=7%, signal=19%
V5OLF1_01	V5OLF1_01	75	0.29432222	1.1779156	0.21705426	0.90054876	1	1489 tags=39%, list=30%, signal=54%
GSE19401_PAM2CSK4_VS_RETINOIC_ACID_AND_PAM2	GSE19401_PAM2CSK4_VS_F	47	0.38444374	1.177728	0.2725451	0.90059024	1	1068 tags=30%, list=21%, signal=38%
GO_REGIONALIZATION	GO_REGIONALIZATION	127	0.2993641	1.1775581	0.22370937	0.900627	1	893 tags=26%, list=18%, signal=31%
GSE5142_HERT1_TRANSDUCED_VS_CTRL_CD8_TCELL_L	GSE5142_HERT1_TRANSDU	37	0.3306696	1.1775557	0.22619048	0.9000208	1	972 tags=41%, list=19%, signal=50%
GO_REGULATION_OF_RHO_PROTEIN_SIGNAL_TRANSD	GO_REGULATION_OF_RHO	26	0.35127345	1.1773858	0.22648752	0.90001935	1	941 tags=31%, list=19%, signal=38%
STAMBOLSKY_TARGETS_OF_MUTATED_TP53_DN	STAMBOLSKY_TARGETS_OF	22	0.4636029	1.1773809	0.34108528	0.8994292	1	299 tags=18%, list=6%, signal=19%
GO_PURINE_CONTAINING_COMPOUND_METABOLIC_P	GO_PURINE_CONTAINING_I	57	0.2152363	1.1772655	0.19619048	0.89923096	1	743 tags=21%, list=15%, signal=24%
GSE28737_BCL6_HET_VS_BCL6_KO_FOLLICULAR_BCELL	GSE28737_BCL6_HET_VS_B	91	0.34174377	1.1769862	0.2653846	0.89961296	1	812 tags=26%, list=16%, signal=31%
GSE26351_WNT_VS_BMP_PATHWAY_STIM_HEMATOPO	GSE26351_WNT_VS_BMP_P	68	0.28523945	1.1768119	0.2			



TGCTTG.MIR-330	TGCTTG.MIR-330	76	0.2959348	1.1731389	0.2338403	0.8991555	1	1595 tags=38%, list=32%, signal=55%
GSE360_CTRL_VS_L_MAJOR_MAC_DN	GSE360_CTRL_VS_L_MAJOR	54	0.2935615	1.1729069	0.19038817	0.8993444	1	728 tags=24%, list=15%, signal=28%
ALONSO_METASTASIS_UP	ALONSO_METASTASIS_UP	43	0.34539706	1.1728812	0.25	0.8988308	1	942 tags=37%, list=19%, signal=45%
BROWNE_HCMV_INFECTION_30MIN_UP	BROWNE_HCMV_INFECTION	25	0.3697292	1.1727557	0.2638889	0.8986921	1	854 tags=28%, list=17%, signal=34%
CHR5Q23	CHR5Q23	24	0.3709449	1.1725973	0.27807486	0.8986549	1	630 tags=17%, list=13%, signal=19%
GSE21670_UNTREATED_VS_TGFB_TREATED_STAT3_KO	GSE21670_UNTREATED_VS_GO_REGULATION_OF_SECRET	48	0.29448625	1.172319	0.18546845	0.89901286	1	1188 tags=38%, list=24%, signal=49%
GO_REGULATION_OF_SECRETION	GO_REGULATION_OF_SECRET	268	0.27010268	1.1722969	0.20683111	0.89850277	1	1384 tags=32%, list=28%, signal=42%
GO_ION_TRANSMEMBRANE_TRANSPORT	GO_ION_TRANSMEMBRANE_TRANSPORT	245	0.25139558	1.1721014	0.17142858	0.8985726	1	1326 tags=33%, list=27%, signal=43%
GO_CELLULAR_PROTEIN_COMPLEX_ASSEMBLY	GO_CELLULAR_PROTEIN_COMPLEX_ASSEMBLY	61	0.2947738	1.1720904	0.22680412	0.8980134	1	1554 tags=48%, list=31%, signal=68%
MORF_MYC	MORF_MYC	23	0.35856712	1.1718954	0.23943663	0.89810854	1	196 tags=13%, list=4%, signal=14%
VSER_Q6_Q2	VSER_Q6_Q2	83	0.27515432	1.1718284	0.17679559	0.89774895	1	903 tags=27%, list=18%, signal=32%
ABUD_LIF_SIGNALING_1_UP	ABUD_LIF_SIGNALING_1_UP	22	0.3685316	1.1717702	0.24380952	0.897374	1	101 tags=14%, list=2%, signal=14%
GO_LUNG_MORPHOGENESIS	GO_LUNG_MORPHOGENESIS	16	0.38544366	1.1717093	0.23789474	0.8969827	1	876 tags=38%, list=18%, signal=45%
GO_POSITIVE_REGULATION_OF_TYROSINE_PHOSPHORYLATION	GO_POSITIVE_REGULATION_OF_TYROSINE_PHOSPHORYLATION	19	0.412135	1.1715027	0.2746615	0.8971128	1	257 tags=16%, list=5%, signal=17%
V5USF_02	V5USF_02	60	0.30575153	1.1711824	0.22365989	0.8976427	1	703 tags=20%, list=14%, signal=23%
GSE8835_CD4_VS_CD8_TCELL_UP	GSE8835_CD4_VS_CD8_TCELL_UP	34	0.3244811	1.1711279	0.21673004	0.897229	1	1094 tags=38%, list=22%, signal=49%
CCTGCTG.MIR-214	CCTGCTG.MIR-214	51	0.29069212	1.1708945	0.20328543	0.89740205	1	1250 tags=37%, list=25%, signal=49%
DELACROIX_RARG_BOUND_MEF	DELACROIX_RARG_BOUND_MEF	111	0.3204633	1.1703446	0.2696177	0.8987529	1	591 tags=20%, list=12%, signal=22%
GO_CELLULAR_GLUCOSE_HOMEOSTASIS	GO_CELLULAR_GLUCOSE_HOMEOSTASIS	29	0.35793	1.1701703	0.26992753	0.89875954	1	1384 tags=41%, list=28%, signal=52%
NIKOLSKY_MUTATED_AND_AMPLIFIED_IN_BREAST_CANCER_NIKOLSKY_MUTATED_AND_AMPLIFIED_IN_BREAST_CANCER	NIKOLSKY_MUTATED_AND_AMPLIFIED_IN_BREAST_CANCER_NIKOLSKY_MUTATED_AND_AMPLIFIED_IN_BREAST_CANCER	19	0.39440045	1.1699468	0.24804688	0.89897215	1	445 tags=26%, list=9%, signal=29%
GO_TRANSFERASE_ACTIVITY_TRANSFERRING_ACYL_GROUPS	GO_TRANSFERASE_ACTIVITY_TRANSFERRING_ACYL_GROUPS	42	0.32486416	1.16992	0.2480315	0.8984702	1	1342 tags=40%, list=27%, signal=55%
GO_NEGATIVE_REGULATION_OF_GROWTH	GO_NEGATIVE_REGULATION_OF_GROWTH	84	0.30639267	1.1698403	0.256917	0.8981204	1	1071 tags=27%, list=21%, signal=34%
GSE43955_1H_VS_42H_ACT_CD4_TCELL_DN	GSE43955_1H_VS_42H_ACT_CD4_TCELL_DN	62	0.3028537	1.1697799	0.22390892	0.8977421	1	1120 tags=40%, list=22%, signal=51%
V5SP1_Q2_Q1	V5SP1_Q2_Q1	56	0.3272309	1.1696818	0.24760076	0.8975002	1	983 tags=25%, list=20%, signal=31%
GO_ORGANIC_ANION_TRANSMEMBRANE_TRANSPORT	GO_ORGANIC_ANION_TRANSMEMBRANE_TRANSPORT	54	0.30057725	1.16962	0.21428572	0.8973177	1	1057 tags=35%, list=21%, signal=44%
GSE16385_ROSIGLITAZONE_IL12_VS_ROSIGLITAZONE_IL12	GSE16385_ROSIGLITAZONE_IL12_VS_ROSIGLITAZONE_IL12	72	0.30359384	1.1694567	0.25244617	0.89708036	1	1037 tags=32%, list=21%, signal=40%
AAAGGGGA.MIR-204.MIR-211	AAAGGGGA.MIR-204.MIR-211	55	0.31209564	1.1694531	0.23854962	0.89651173	1	478 tags=18%, list=10%, signal=20%
GO_TRANSCRIPTION_FACTOR_BINDING	GO_TRANSCRIPTION_FACTOR_BINDING	115	0.2785713	1.1690718	0.21428572	0.89730316	1	922 tags=24%, list=18%, signal=29%
V5VDR_Q6	V5VDR_Q6	84	0.2982076	1.1688659	0.2387218	0.8974338	1	1358 tags=36%, list=27%, signal=48%
MOREAUX_MULTIPLE_MYELOMA_BY_TACT_UP	MOREAUX_MULTIPLE_MYELOMA_BY_TACT_UP	125	0.257929	1.1688234	0.18546845	0.8969868	1	1287 tags=35%, list=26%, signal=46%
GSE360_L_MAJOR_VS_B_MAJOR_LOW_DOSE_MAC_DN	GSE360_L_MAJOR_VS_B_MAJOR_LOW_DOSE_MAC_DN	31	0.34700412	1.1687524	0.22426471	0.89664716	1	496 tags=16%, list=10%, signal=18%
GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_6H_UP	GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_6H_UP	58	0.32886505	1.1686786	0.2535497	0.896327	1	1195 tags=36%, list=24%, signal=47%
KEGG_COLORECTAL_CANCER	KEGG_COLORECTAL_CANCER	16	0.40548354	1.1685495	0.27095518	0.896189	1	882 tags=31%, list=18%, signal=38%
GSE22935_UNSTIM_VS_12H_MBOVIS_BCG_STIM_MACR	GSE22935_UNSTIM_VS_12H_MBOVIS_BCG_STIM_MACR	29	0.34524608	1.1685156	0.23076923	0.89572394	1	1216 tags=34%, list=24%, signal=45%
KEGG_ECM_RECEPTOR_INTERACTION	KEGG_ECM_RECEPTOR_INTERACTION	45	0.40119156	1.1683705	0.3234714	0.8956572	1	1615 tags=47%, list=32%, signal=68%
TSNG_IRS1_TARGETS_DN	TSNG_IRS1_TARGETS_DN	52	0.33648542	1.1682839	0.26706827	0.89537865	1	543 tags=25%, list=11%, signal=28%
GO_NEGATIVE_REGULATION_OF_CELL_PROJECTION_OR_GROWTH	GO_NEGATIVE_REGULATION_OF_CELL_PROJECTION_OR_GROWTH	48	0.34758753	1.1681383	0.28343314	0.8952912	1	597 tags=23%, list=12%, signal=26%
YAGI_AML_SURVIVAL	YAGI_AML_SURVIVAL	21	0.3766626	1.1680415	0.26938775	0.8950241	1	262 tags=19%, list=5%, signal=20%
GSE37301_RAG2_KO_VS_RAG2_AND_ETSI1_KO_KO_CELL	GSE37301_RAG2_KO_VS_RAG2_AND_ETSI1_KO_KO_CELL	60	0.31549272	1.1678425	0.25726143	0.89511275	1	728 tags=23%, list=15%, signal=27%
GSE29618_PRE_VS_DAY7_POST_IV_FLU_VACCINE_BCEL	GSE29618_PRE_VS_DAY7_POST_IV_FLU_VACCINE_BCEL	32	0.31788942	1.1677055	0.2177264	0.89499557	1	106 tags=9%, list=2%, signal=10%
MODULE_136	MODULE_136	141	0.27220505	1.167618	0.22580644	0.8947173	1	1255 tags=32%, list=25%, signal=43%
GSE10325_BCELL_VS_LUPUS_BCELL_UP	GSE10325_BCELL_VS_LUPUS_BCELL_UP	64	0.29023445	1.1675488	0.2128514	0.8943954	1	968 tags=27%, list=19%, signal=31%
GSE22886_CD8_VS_CD4_NAIVE_TCELL_DN	GSE22886_CD8_VS_CD4_NAIVE_TCELL_DN	56	0.30090633	1.1674126	0.20555556	0.8942897	1	440 tags=18%, list=9%, signal=19%
GO_POSITIVE_REGULATION_OF_ION_TRANSPORT	GO_POSITIVE_REGULATION_OF_ION_TRANSPORT	90	0.29346466	1.1673838	0.25952813	0.89380515	1	858 tags=23%, list=17%, signal=30%
GO_POSITIVE_REGULATION_OF_CELL_PROJECTION_OR_GROWTH	GO_POSITIVE_REGULATION_OF_CELL_PROJECTION_OR_GROWTH	31	0.31280234	1.167347	0.24852702	0.89336437	1	1545 tags=44%, list=31%, signal=63%
GO_REGULATION_OF_AXONEMESIS	GO_REGULATION_OF_AXONEMESIS	52	0.33840775	1.16728	0.26587301	0.89302117	1	1080 tags=35%, list=22%, signal=44%
GSE7218_UNSTIM_VS_ANTIENGIN_STIM_THROUGH_IJGM	GSE7218_UNSTIM_VS_ANTIENGIN_STIM_THROUGH_IJGM	48	0.29306492	1.1671528	0.203125	0.89287347	1	915 tags=29%, list=18%, signal=35%
GO_HEAD_DEVELOPMENT	GO_HEAD_DEVELOPMENT	242	0.2597008	1.167127	0.19642857	0.89237034	1	1017 tags=27%, list=20%, signal=33%
BCAT_100_UP_V1_UP	BCAT_100_UP_V1_UP	23	0.3536937	1.1670934	0.2524655	0.8919087	1	825 tags=31%, list=17%, signal=37%
GO_REGULATION_OF_BEHAVIOR	GO_REGULATION_OF_BEHAVIOR	23	0.39517516	1.1670711	0.2960993	0.8914015	1	563 tags=22%, list=11%, signal=24%
GSE35825_UNTREATED_VS_IFNA_STIM_MACROPHAGE	GSE35825_UNTREATED_VS_IFNA_STIM_MACROPHAGE	27	0.36664626	1.167035	0.2580645	0.89086566	1	1117 tags=37%, list=22%, signal=47%
GSE15930_NAIVE_VS_24H_IV_VITRO_STIM_INFAB_CD8	GSE15930_NAIVE_VS_24H_IV_VITRO_STIM_INFAB_CD8	55	0.30380106	1.1670309	0.2494759	0.8904033	1	873 tags=22%, list=17%, signal=26%
MULLIGHAN_MLL_SIGNATURE_1_DN	MULLIGHAN_MLL_SIGNATURE_1_DN	95	0.31401186	1.1669964	0.262	0.8899464	1	889 tags=27%, list=18%, signal=33%
V5PPAR_DR1_Q2	V5PPAR_DR1_Q2	62	0.29509744	1.1666185	0.21518987	0.890708	1	997 tags=32%, list=20%, signal=40%
GO_POSITIVE_REGULATION_OF_TRANSMEMBRANE_RECEPTOR_ACTIVITY	GO_POSITIVE_REGULATION_OF_TRANSMEMBRANE_RECEPTOR_ACTIVITY	37	0.3353599	1.1665819	0.24903475	0.89027387	1	770 tags=27%, list=15%, signal=32%
GSE11961_MEMORY_BCELL_DAY7_VS_GERMINAL_CENTER	GSE11961_MEMORY_BCELL_DAY7_VS_GERMINAL_CENTER	63	0.3089963	1.1664449	0.24708171	0.89017725	1	905 tags=22%, list=18%, signal=32%
GO_ANTERIOR_POSTERIOR_AXIS_SPECIFICATION	GO_ANTERIOR_POSTERIOR_AXIS_SPECIFICATION	16	0.40970927	1.1664358	0.2811245	0.88965726	1	770 tags=31%, list=15%, signal=37%
GSE43863_TFH_VS_LY6C_INT_CRCR3POS_MEMORY_CD4	GSE43863_TFH_VS_LY6C_INT_CRCR3POS_MEMORY_CD4	57	0.29492724	1.1661783	0.22830188	0.8899921	1	1040 tags=26%, list=21%, signal=33%
GO_AMINO_ACID_TRANSPORT	GO_AMINO_ACID_TRANSPORT	34	0.3172952	1.1660728	0.22831859	0.8897842	1	1057 tags=41%, list=21%, signal=52%
KINSEY_TARGETS_OF_EWSR1_FUSION_DN	KINSEY_TARGETS_OF_EWSR1_FUSION_DN	124	0.3275013	1.165963	0.28330207	0.8895893	1	1375 tags=36%, list=28%, signal=49%
AAGCACT.MIR-520F	AAGCACT.MIR-520F	61	0.29166752	1.1657001	0.22020201	0.88949026	1	940 tags=26%, list=19%, signal=32%
MODULE_279	MODULE_279	41	0.31516877	1.1656845	0.24007936	0.8894244	1	1040 tags=32%, list=21%, signal=40%
BECKER_TAMOXIFEN_RESISTANCE_UP	BECKER_TAMOXIFEN_RESISTANCE_UP	36	0.3764059	1.165449	0.29607844	0.8896433	1	828 tags=28%, list=17%, signal=33%
GO_NEURON_PROJECTION_MORPHOGENESIS	GO_NEURON_PROJECTION_MORPHOGENESIS	144	0.27729243	1.1651189	0.21308412	0.8902907	1	1019 tags=28%, list=20%, signal=34%
GO_ANION_TRANSMEMBRANE_TRANSPORT	GO_ANION_TRANSMEMBRANE_TRANSPORT	80	0.2760155	1.1649816	0.2179054	0.89013064	1	1057 tags=33%, list=21%, signal=41%
GSE11924_TFH_VS_TH2_CD4_TCELL_DN	GSE11924_TFH_VS_TH2_CD4_TCELL_DN	42	0.2945602	1.1648906	0.21292776	0.8898919	1	456 tags=17%, list=9%, signal=18%
GO_ION_TRANSPORT	GO_ION_TRANSPORT	380	0.24479279	1.164566	0.15397924	0.8904785	1	1326 tags=31%, list=27%, signal=39%
GO_I_BAND	GO_I_BAND	34	0.34904295	1.1645244	0.2660194	0.8900489	1	1131 tags=35%, list=23%, signal=45%
CHR2Q37	CHR2Q37	24	0.36671767	1.1642263	0.2735849	0.8905342	1	765 tags=29%, list=15%, signal=34%
GO_REGULATION_OF_EPITHELIAL_CELL_MIGRATION	GO_REGULATION_OF_EPITHELIAL_CELL_MIGRATION	49	0.34012476	1.1641469	0.26035503	0.89022833	1	1331 tags=39%, list=27%, signal=52%
GSE8921_UNSTIM_0H_VS_TLR1_2_STIM_MONOCYTE_24H	GSE8921_UNSTIM_0H_VS_TLR1_2_STIM_MONOCYTE_24H	72	0.32695544	1.1640794	0.27342527	0.8898973	1	1495 tags=51%, list=30%, signal=72%
E2F1_UP_V1_DN	E2F1_UP_V1_DN	78	0.31798515	1.1640103	0.25940594	0.8895798	1	1322 tags=33%, list=26%, signal=45%
GSE23695_CD57_POS_VS_NEG_NK_CELL_DN	GSE23695_CD57_POS_VS_NEG_NK_CELL_DN	40	0.30535978	1.1639484	0.22845691	0.8892174	1	905 tags=33%, list=18%, signal=39%
DELACROIX_RAR_BOUND_E	DELACROIX_RAR_BOUND_E	105	0.25938675	1.1639401	0.20321931	0.88867855	1	926 tags=23%, list=19%, signal=27%
GSE21360_PRIMARY_VS_SECONDARY_MEMORY_CD8_T	GSE21360_PRIMARY_VS_SECONDARY_MEMORY_CD8_T	50	0.3045349	1.1638004	0.25274727	0.8885677	1	899 tags=24%, list=18%, signal=29%
RIZ_ERYTHROID_DIFFERENTIATION_12HR	RIZ_ERYTHROID_DIFFERENTIATION_12HR	19	0.40094744	1.1634684	0.26337448	0.88913786	1	458 tags=21%, list=9%, signal=23%
GSE11924_TFH_VS_TH17_CD4_TCELL_UP	GSE11924_TFH_VS_TH17_CD4_TCELL_UP	30	0.34044045	1.1632211	0.24242425	0.88941133	1	33 tags=7%, list=1%, signal=7%
V5SP1_Q4_Q1	V5SP1_Q4_Q1	47	0.3169665	1.1629117	0.2362949	0.8898945	1	984 tags=23%, list=20%, signal=29%
GO_ACTIVE_TRANSMEMBRANE_TRANSPORTER_ACTIVITY	GO_ACTIVE_TRANSMEMBRANE_TRANSPORTER_ACTIVITY	110	0.27081785	1.1627642	0.21843003	0.8898473	1	1069 tags=31%, list=21%, signal=38%
SCGGAAGY_VSELK1_Q2	SCGGAAGY_VSELK1_Q2	80	0.2728133	1.1626807	0.20576923	0.8895811	1	565 tags=18%, list=11%, signal=19%
BLALOCK_ALZHEIMERS_DISEASE_INCIPIENT_DN	BLALOCK_ALZHEIMERS_DISEASE_INCIPIENT_DN	31	0.3489733	1.1626484	0.24119718	0.8891332	1	1416 tags=39%, list=28%, signal=54%
TAAYNRNNTCC_UNKNOWN	TAAYNRNNTCC_UNKNOWN	52	0.31786618	1.1625981	0.25672877	0.88874495	1	1433 tags=37%, list=29%, signal=51%
GSE360_L_DONOVAN_VS_T_GONDI_MAC_UP	GSE360_L_DONOVAN_VS_T_GONDI_MAC_UP	55	0.32109037	1.162451	0.24242425	0.8886553	1	1531 tags=45%, list=31%, signal=65%
GO_NEGATIVE_REGULATION_OF_CELL_DEVELOPMENT	GO_NEGATIVE_REGULATION_OF_CELL_DEVELOPMENT	103	0.30472007	1.1618221	0.24665391	0.89028496	1	1017 tags=30%, list=20%, signal=37%
GSE21670_UNTREATED_VS_TGFB_TREATED_CD4_TCELL	GSE21670_UNTREATED_VS_TGFB_TREATED_CD4_TCELL	67	0.31643316	1.1617498	0.27	0.8899663		

V5GRE_C	V5GRE_C	39	0.35629123	1.1578207	0.25925925	0.8905882	1	566 tags=23%, list=11%, signal=26%
GNF2_DNM1	GNF2_DNM1	31	0.3688978	1.1578186	0.2744015	0.8900432	1	1471 tags=48%, list=29%, signal=68%
V5TAL1BETA47_01	V5TAL1BETA47_01	83	0.29251635	1.157724	0.25183824	0.8898351	1	1162 tags=29%, list=23%, signal=37%
V5POU6F1_01	V5POU6F1_01	82	0.3199584	1.1573675	0.26492536	0.8904902	1	1823 tags=51%, list=36%, signal=79%
GO_REGULATION_OF_PEPTIDYL_TYROSINE_PHOSPHOR	GO_REGULATION_OF_PEPTI	79	0.3165369	1.1572899	0.2756654	0.890185	1	919 tags=25%, list=18%, signal=31%
GO_PROTEASE_BINDING	GO_PROTEASE_BINDING	30	0.3582178	1.1570736	0.27289718	0.890382	1	1584 tags=47%, list=32%, signal=68%
GO_CATALYTIC_COMPLEX	GO_CATALYTIC_COMPLEX	120	0.25399506	1.1569809	0.20637898	0.8901416	1	1293 tags=35%, list=26%, signal=46%
GO_GENITALIA_DEVELOPMENT	GO_GENITALIA_DEVELOPM	20	0.3811961	1.1569309	0.26666668	0.8897525	1	848 tags=20%, list=17%, signal=24%
GSE39110_DAY3_V5_DAY6_POST_IMMUNIZATION_CD8	GSE39110_DAY3_V5_DAY6	50	0.31565148	1.1567149	0.2739726	0.8899385	1	793 tags=24%, list=16%, signal=28%
REACTOME_AXON_GUIDANCE	REACTOME_AXON_GUIDAN	47	0.30523875	1.1566873	0.24045801	0.8894797	1	1326 tags=39%, list=27%, signal=52%
GSE17974_CTRL_V5_ACT_IL4_AND_ANTIL1L2_1H_CD4_1	GSE17974_CTRL_V5_ACT_IL	47	0.30088997	1.1566732	0.242	0.8889831	1	952 tags=30%, list=19%, signal=36%
V5HNF3B_01	V5HNF3B_01	86	0.29411077	1.156443	0.254717	0.8892004	1	1460 tags=37%, list=29%, signal=52%
GO_ENZYME_LINKED_RECEPTOR_PROTEIN_SIGNALING	GO_ENZYME_LINKED_RECEI	218	0.27422503	1.1563623	0.24196598	0.8894995	1	1093 tags=28%, list=22%, signal=34%
SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_UP	SCHAEFFER_PROSTATE_DEV	69	0.32341427	1.1563298	0.26506025	0.88849974	1	1533 tags=46%, list=31%, signal=66%
GSE21670_TGFb_V5_TGFb_AND_IL6_TREATED_STAT3_KC	GSE21670_TGFb_V5_TGFb_	35	0.31349826	1.1562976	0.25614753	0.8880629	1	68 tags=11%, list=1%, signal=12%
GO_REGULATION_OF_SODIUM_ION_TRANSMEMBRANE	GO_REGULATION_OF_SODI	16	0.4102745	1.1558516	0.2815534	0.8890148	1	858 tags=38%, list=17%, signal=45%
GO_REGULATION_OF_SODIUM_ION_TRANSMEMBRANE	GO_REGULATION_OF_SODI	16	0.4102745	1.1558516	0.2815534	0.8884663	1	858 tags=38%, list=17%, signal=45%
LEIN_PONS_MARKERS	LEIN_PONS_MARKERS	37	0.31112388	1.1555806	0.22309197	0.88882077	1	899 tags=27%, list=18%, signal=33%
GO_MUSCLE_SYSTEM_PROCESS	GO_MUSCLE_SYSTEM_PROX	106	0.29287767	1.1552516	0.26003823	0.88939226	1	1459 tags=37%, list=29%, signal=61%
GSE37532_VISCERAL_ADIPOSE_TISSUE_V5_IN_DERIVED	GSE37532_VISCERAL_ADIPC	25	0.36084266	1.1552121	0.25858587	0.8889814	1	1616 tags=44%, list=32%, signal=65%
MODULE_24	MODULE_24	200	0.27183193	1.1550393	0.22264151	0.8890208	1	980 tags=25%, list=20%, signal=29%
GO_INORGANIC_CATION_TRANSMEMBRANE_TRANSPC	GO_INORGANIC_CATION_TI	151	0.2612151	1.1548359	0.21273032	0.889182	1	1326 tags=32%, list=27%, signal=43%
GSE23308_CTRL_V5_CORTICOSTERONE_TREATED_MACI	GSE23308_CTRL_V5_CORTI	42	0.31162637	1.1548189	0.22836095	0.8886895	1	1349 tags=40%, list=27%, signal=55%
KESHELAVA_MULTIPLE_DRUG_RESISTANCE	KESHELAVA_MULTIPLE_DRL	16	0.3827384	1.1543908	0.27789047	0.88956517	1	228 tags=13%, list=5%, signal=13%
BHAT_ESR1_TARGETS_VIA_AKT1_DN	BHAT_ESR1_TARGETS_VIA_	33	0.35957137	1.1541187	0.27380952	0.88991356	1	1071 tags=39%, list=21%, signal=50%
GO_MATING	GO_MATING	16	0.37710035	1.1539683	0.2535497	0.88988994	1	629 tags=25%, list=13%, signal=29%
GO_POSITIVE_REGULATION_OF_SMALL_GTPASE_MEDIA	GO_POSITIVE_REGULATION	15	0.4097738	1.153944	0.27969348	0.88941896	1	919 tags=40%, list=18%, signal=49%
GSE360_L_MAJOR_V5_M_TUBERCULOSIS_MAC_DN	GSE360_L_MAJOR_V5_M_TL	60	0.28608146	1.1538924	0.20079523	0.88903284	1	854 tags=28%, list=17%, signal=33%
GSE15659_CD45RA_NEG_CD4_TCELL_V5_NONSUPPRES	GSE15659_CD45RA_NEG_CI	42	0.31434223	1.1538879	0.25725338	0.88850516	1	830 tags=19%, list=17%, signal=23%
GO_RESPONSE_TO_INORGANIC_SUBSTANCE	GO_RESPONSE_TO_INORG	170	0.2675943	1.1538372	0.23379175	0.8881455	1	1388 tags=35%, list=28%, signal=46%
V5TCF11_01	V5TCF11_01	68	0.30246073	1.1535335	0.22884615	0.88863456	1	1432 tags=38%, list=29%, signal=53%
TSAL_RESPONSE_TO_RADIATION_THERAPY	TSAL_RESPONSE_TO_RADIA	24	0.42126152	1.1534661	0.31643003	0.8882968	1	1845 tags=58%, list=37%, signal=92%
GSE15659_CD45RA_NEG_CD4_TCELL_V5_ACTIVATED_TF	GSE15659_CD45RA_NEG_CI	39	0.30980632	1.1529852	0.2581396	0.88938016	1	938 tags=26%, list=19%, signal=31%
GSE18148_CBFb_KO_V5_WT_TREG_UP	GSE18148_CBFb_KO_V5_W	56	0.29278246	1.1529311	0.23135756	0.8890347	1	1585 tags=50%, list=32%, signal=72%
MODULE_63	MODULE_63	100	0.2937445	1.1526294	0.2647619	0.88948905	1	392 tags=18%, list=8%, signal=19%
GSE30971_2H_V5_4H_LPS_STIM_MACROPHAGE_WBP7	GSE30971_2H_V5_4H_LPS_S	31	0.32905793	1.1525115	0.24277456	0.889323	1	69 tags=10%, list=1%, signal=10%
GSE17721_LPS_V5_POLYIC_0.5H_BMDC_DN	GSE17721_LPS_V5_POLYIC_	61	0.29392257	1.1523069	0.26043737	0.8895115	1	1687 tags=46%, list=34%, signal=68%
GSE5589_WT_V5_IL6_KO_LPS_STIM_MACROPHAGE_45N	GSE5589_WT_V5_IL6_KO_L	43	0.33622144	1.1522189	0.29126215	0.88925546	1	1098 tags=37%, list=22%, signal=47%
GO_MONOCARBOXYLIC_ACID_CATABOLIC_PROCESS	GO_MONOCARBOXYLIC_AC	30	0.36624014	1.1520038	0.27919707	0.8894353	1	1342 tags=43%, list=27%, signal=59%
GO_REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION	GO_REGULATION_OF_ENDC	30	0.37074918	1.1519028	0.28313252	0.88925517	1	1331 tags=47%, list=27%, signal=63%
PKCA_DN_V1_UP	PKCA_DN_V1_UP	66	0.29170987	1.1518065	0.23519164	0.8890657	1	881 tags=21%, list=18%, signal=25%
GO_REGULATION_OF_NERVOUS_SYSTEM_DEVELOPME	GO_REGULATION_OF_NERV	266	0.26807126	1.1517396	0.24288425	0.8887668	1	891 tags=22%, list=18%, signal=26%
GO_EARLY_ENDOSOME	GO_EARLY_ENDOSOME	74	0.28481598	1.1512255	0.24029575	0.8889582	1	744 tags=23%, list=15%, signal=27%
GSE24634_NAIVE_CD4_TCELL_V5_DAY7_IL4_CONV_TRE	GSE24634_NAIVE_CD4_TCE	35	0.32575038	1.1512256	0.2372549	0.8894278	1	1211 tags=37%, list=24%, signal=49%
GSE19888_ADOGENOSIS_A3R_ACT_V5_TCELL_MEMBRAN	GSE19888_ADOGENOSIS_A3	25	0.33003435	1.1511105	0.24124514	0.889264	1	854 tags=32%, list=17%, signal=38%
GSE17974_IL4_AND_ANTIL1L2_V5_UNTREATED_ZH_ACT	GSE17974_IL4_AND_ANTIL	52	0.35615817	1.1507834	0.29215688	0.8898317	1	920 tags=25%, list=18%, signal=30%
MIL1_PSEUDOPODIA_CHEMOTAXIS_DN	MIL1_PSEUDOPODIA_CHEM	84	0.31048676	1.1507413	0.2699029	0.88942677	1	1541 tags=52%, list=31%, signal=74%
GSE20715_WT_V5_TLR4_KO_ZONAE_LUNG_UP	GSE20715_WT_V5_TLR4_KO	75	0.31140384	1.1507083	0.29273084	0.8889996	1	1150 tags=33%, list=23%, signal=43%
GSE11961_MARGINAL_ZONE_BCELL_V5_MEMORY_BCEL	GSE11961_MARGINAL_ZONE	65	0.29841843	1.1506362	0.2519084	0.88869673	1	1355 tags=32%, list=27%, signal=44%
YCATTA1A_UNKNOWN	YCATTA1A_UNKNOWN	196	0.26521802	1.1506177	0.23473282	0.8882214	1	1276 tags=31%, list=26%, signal=40%
GSE17974_OH_V5_4H_IN_VITRO_ACT_CD4_TCELL_UP	GSE17974_OH_V5_4H_IN_V	53	0.29844894	1.1506071	0.2348996	0.8877154	1	1511 tags=42%, list=30%, signal=59%
GSE20366_EX_VIVO_V5_DEC205_CONVERSION_NAIVE_1	GSE20366_EX_VIVO_V5_DE	65	0.29465088	1.1505964	0.23976608	0.88721144	1	1347 tags=37%, list=27%, signal=50%
GSE20727_ROS_INH_V5_ROS_INH_AND_DNFB_ALLERGE	GSE20727_ROS_INH_V5_RO	62	0.30521724	1.1505182	0.23837209	0.8869482	1	1053 tags=35%, list=21%, signal=44%
V5NF1_Q6_01	V5NF1_Q6_01	80	0.27805078	1.1502682	0.20566037	0.8872818	1	1023 tags=25%, list=20%, signal=31%
GNF2_CDH11	GNF2_CDH11	18	0.55510676	1.1499437	0.37911025	0.8878273	1	1719 tags=83%, list=34%, signal=127%
GO_PHOSPHORIC_ESTER_HYDROLASE_ACTIVITY	GO_PHOSPHORIC_ESTER_H	101	0.27466062	1.1496742	0.23586744	0.8881781	1	703 tags=20%, list=14%, signal=23%
AKT_UP_V1_DN	AKT_UP_V1_DN	81	0.31383127	1.1496217	0.27929688	0.88781637	1	1525 tags=48%, list=31%, signal=63%
GO_CELL_PROJECTION_MEMBRANE	GO_CELL_PROJECTION_MEF	90	0.2744009	1.1494951	0.23308271	0.88773847	1	1054 tags=29%, list=21%, signal=36%
SUZUKI_RESPONSE_TO_TSA_AND_DECITABINE_1A	SUZUKI_RESPONSE_TO_TSA	16	0.41106576	1.14935	0.29400387	0.8877004	1	633 tags=38%, list=13%, signal=43%
SUBTL_PROGESTIN_TARGETS	SUBTL_PROGESTIN_TARGE	16	0.40869474	1.1493387	0.293617	0.88720596	1	822 tags=31%, list=16%, signal=37%
GO_REGULATION_OF_DNA_BIOSYNTHETIC_PROCESS	GO_REGULATION_OF_DNA	21	0.37533474	1.1489278	0.28076923	0.8879916	1	1364 tags=43%, list=27%, signal=59%
GSE13306_TREG_V5_TCONV_LAMINA_PROPRIA_UP	GSE13306_TREG_V5_TCONV	52	0.29671967	1.1488063	0.24801587	0.8878653	1	435 tags=16%, list=9%, signal=17%
GO_POSITIVE_REGULATION_OF_PHOSPHATIDYLINOSIT	GO_POSITIVE_REGULATION	22	0.42432052	1.1485777	0.3326886	0.8881542	1	1087 tags=36%, list=22%, signal=46%
GSE43955_TH0_V5_TGFB_IL6_TH17_ACT_CD4_TCELL_20	GSE43955_TH0_V5_TGFB_IL	43	0.32632363	1.1484687	0.28343314	0.88797086	1	715 tags=23%, list=14%, signal=27%
GO_EPITHELIAL_CELL_DEVELOPMENT	GO_EPITHELIAL_CELL_DEVE	69	0.28729138	1.1483859	0.2423077	0.8877477	1	826 tags=22%, list=17%, signal=26%
GSE43955_TH0_V5_TGFB_IL6_TH17_ACT_CD4_TCELL_60	GSE43955_TH0_V5_TGFB_IL	43	0.29839272	1.1483351	0.2421875	0.88737655	1	852 tags=24%, list=17%, signal=28%
LEE_LIVER_CANCER_SURVIVAL_UP	LEE_LIVER_CANCER_SURVIV	67	0.37061927	1.1482856	0.25905797	0.8870069	1	1890 tags=55%, list=38%, signal=88%
V5SP3_Q3	V5SP3_Q3	64	0.27790669	1.147974	0.2338403	0.88750625	1	1323 tags=36%, list=26%, signal=48%
GO_POSITIVE_REGULATION_OF_STRIATED_MUSCLE_CEL	GO_POSITIVE_REGULATION	18	0.38836724	1.1478465	0.3046729	0.8874331	1	770 tags=17%, list=15%, signal=20%
GSE5503_LIVER_DC_V5_MLN_DC_ACTIVATED_ALLOGEN	GSE5503_LIVER_DC_V5_ML	67	0.27682164	1.1477685	0.22941177	0.8871522	1	965 tags=30%, list=19%, signal=36%
GO_CELL_CELL_JUNCTION_ASSEMBLY	GO_CELL_CELL_JUNCTION_	16	0.3922777	1.1477401	0.25	0.8867211	1	530 tags=25%, list=11%, signal=28%
GO_TRANSCRIPTIONAL_REPRESSOR_ACTIVITY_RNA_PO	GO_TRANSCRIPTIONAL_RE	30	0.32596406	1.1472964	0.25748503	0.88767666	1	861 tags=30%, list=17%, signal=26%
GSE15930_NAIVE_V5_24H_IN_VITRO_STIM_IL12_CD8_T	GSE15930_NAIVE_V5_24H_I	56	0.29397082	1.1472452	0.24282983	0.887311	1	873 tags=21%, list=17%, signal=26%
GO_REGULATION_OF_KINASE_ACTIVITY	GO_REGULATION_OF_KINA	244	0.24947943	1.1472338	0.2504744	0.88681906	1	957 tags=25%, list=19%, signal=29%
BRUINS_UVC_RESPONSE_VIA_TP53_GROUP_A	BRUINS_UVC_RESPONSE_V	295	0.24099713	1.1470968	0.19961977	0.886746	1	1230 tags=29%, list=25%, signal=36%
GNF2_CDKN1C	GNF2_CDKN1C	16	0.4461672	1.146978	0.3091873	0.88660705	1	1083 tags=31%, list=22%, signal=40%
HUTTMANN_B_CLL_POOR_SURVIVAL_UP	HUTTMANN_B_CLL_POOR_	94	0.28680566	1.1466956	0.26494023	0.88703	1	1190 tags=31%, list=24%, signal=40%
GSE36392_TYPE_2_MYELOID_V5_NEUTROPHIL_IL25_TRE	GSE36392_TYPE_2_MYELOI	72	0.2892576	1.146689	0.2662835	0.8865229	1	891 tags=26%, list=18%, signal=32%
GO_DICARBOXYLIC_ACID_METABOLIC_PROCESS	GO_DICARBOXYLIC_ACID_N	30	0.3457889	1.1466866	0.2614035	0.8860044	1	1312 tags=47%, list=26%, signal=63%
GSE3720_VD1_V5_VD2_GAMMADelta_TCELL_WITH_PV	GSE3720_VD1_V5_VD2_GA	31	0.31671175	1.1466736	0.26819924	0.8855009	1	1508 tags=45%, list=30%, signal=64%
TSENG_ADIPOGENIC_PATIENT_DN	TSENG_ADIPOGENIC_POTEI	26	0.38083193	1.1465883	0.30844793	0.885285	1	513 tags=31%, list=10%, signal=34%
GSE3982_CTRL_V5_PMA_STIM_EOSINOPHIL_UP	GSE3982_CTRL_V5_PMA_ST	48	0.30695224	1.1463802	0.24807692	0.88548644	1	596 tags=19%, list=12%, signal=21%
V5NKX22_01	V5NKX22_01	55	0.2994852	1.1460025	0.2618596	0.88622266	1	1076 tags=27%, list=22%, signal=34%
V5USF_Q6_01	V5USF_Q6_01	51	0.29671958	1.1459268	0.25233644	0.8859367	1	728 tags=24%, list=15%, signal=27%
BURTON_ADIPOGENESIS_9	BURTON_ADIPOGENESIS_9	39	0.37224984	1.1457103	0.3125	0.8861709	1	1127 tags=41%, list=23%, signal=53%
GO_REGULATION_OF_PROTEIN_BINDING	GO_REGULATION_OF_PROT	44	0.3323306	1.1456984	0.27108434	0.8856553	1	1554 tags=43%, list=31%, signal=62%

LINDSTEDT_DENDRITIC_CELL_MATURATION_C	LINDSTEDT_DENDRITIC_CELL_MATURATION_C	34	0.35177955	1.1427599	0.2931727	0.88402	1	1105 tags=32%, list=22%, signal=41%
GO_NEPHRON_DEVELOPMENT	GO_NEPHRON_DEVELOPMENT	52	0.3050142	1.1427275	0.25048545	0.8836146	1	958 tags=25%, list=19%, signal=31%
GO_ZINC_ION_BINDING	GO_ZINC_ION_BINDING	258	0.24197412	1.1426088	0.22154471	0.88350433	1	1303 tags=30%, list=26%, signal=38%
MODULE_146	MODULE_146	46	0.34366673	1.1424787	0.30508474	0.88345533	1	999 tags=30%, list=20%, signal=38%
GSE21670_STAT3_KO_VS_WT_CD4_TCELL_IL6_TREATED	GSE21670_STAT3_KO_VS_WT_CD4_TCELL_IL6_TREATED	71	0.30316547	1.1424406	0.25409836	0.88307196	1	1719 tags=44%, list=34%, signal=66%
GO_REGULATION_OF_CELLULAR_LOCALIZATION	GO_REGULATION_OF_CELLULAR_LOCALIZATION	397	0.25655557	1.1422138	0.24810606	0.88334024	1	1384 tags=32%, list=28%, signal=41%
MISHRA_CARCIOMA_ASSOCIATED_FIBROBLAST_UP	MISHRA_CARCIOMA_ASSOCIATED_FIBROBLAST_UP	17	0.43118262	1.142058	0.33469388	0.8833648	1	1665 tags=53%, list=33%, signal=79%
GO_POSITIVE_REGULATION_OF_BEHAVIOR	GO_POSITIVE_REGULATION_OF_BEHAVIOR	15	0.419755	1.1419748	0.2972477	0.8831471	1	511 tags=20%, list=10%, signal=22%
LTE2_UP_V1_DN	LTE2_UP_V1_DN	106	0.3131787	1.1417669	0.32101166	0.88334084	1	920 tags=26%, list=18%, signal=32%
GO_AUTONOMIC_NERVOUS_SYSTEM_DEVELOPMENT	GO_AUTONOMIC_NERVOUS_SYSTEM_DEVELOPMENT	19	0.36295235	1.1417369	0.27865613	0.8829285	1	850 tags=26%, list=17%, signal=32%
GO_SEXUAL_REPRODUCTION	GO_SEXUAL_REPRODUCTION	201	0.23919192	1.1416049	0.18683274	0.8828636	1	824 tags=20%, list=16%, signal=23%
GO_REGULATION_OF_CELL_PROJECTION_ASSEMBLY	GO_REGULATION_OF_CELL_PROJECTION_ASSEMBLY	38	0.32453218	1.1415657	0.277666	0.88248426	1	994 tags=26%, list=20%, signal=33%
GSE6875_TCONV_VS_TREG_UP	GSE6875_TCONV_VS_TREG_UP	53	0.28995392	1.1414592	0.25	0.8823208	1	879 tags=30%, list=18%, signal=36%
GSE17721_CTRL_VS_PAM3CSK4_12H_BMDC_UP	GSE17721_CTRL_VS_PAM3CSK4_12H_BMDC_UP	37	0.32462528	1.1412357	0.26035503	0.8825172	1	728 tags=27%, list=15%, signal=31%
VALK_AML_CLUSTER_3	VALK_AML_CLUSTER_3	21	0.34609938	1.1411822	0.26252505	0.8821807	1	771 tags=29%, list=15%, signal=34%
GO_REGULATION_OF_CELL_GROWTH	GO_REGULATION_OF_CELL_GROWTH	137	0.2659898	1.1411386	0.23844732	0.8818188	1	765 tags=22%, list=15%, signal=25%
GSE45365_NK_CELL_VS_CD11B_CD_CMCV_INFECTION	GSE45365_NK_CELL_VS_CD11B_CD_CMCV_INFECTION	49	0.2837012	1.1407789	0.23421589	0.8825253	1	650 tags=27%, list=13%, signal=30%
GSE40666_WT_VS_STA74_KO_CD8_TCELL_UP	GSE40666_WT_VS_STA74_KO_CD8_TCELL_UP	62	0.28606743	1.1407218	0.24902724	0.8822094	1	1346 tags=37%, list=27%, signal=50%
GSE40274_CTRL_VS_FOXP3_AND_IRF4_TRANSDUCED_A	GSE40274_CTRL_VS_FOXP3_AND_IRF4_TRANSDUCED_A	60	0.30929585	1.1406648	0.29149798	0.8818631	1	442 tags=18%, list=9%, signal=20%
GSE32986_CURDLAN_LODOWESE_VS_GMCSF_AND_CUR	GSE32986_CURDLAN_LODOWESE_VS_GMCSF_AND_CUR	48	0.29922616	1.1401697	0.24224806	0.88300174	1	774 tags=25%, list=15%, signal=29%
GSE33162_HDAC3_KO_VS_HDAC3_KO_4H_LPS_STIM_M	GSE33162_HDAC3_KO_VS_4H_LPS_STIM_M	23	0.36986647	1.1400869	0.28982726	0.8827474	1	1426 tags=43%, list=29%, signal=61%
CHR1P35	CHR1P35	21	0.38315552	1.139836	0.29482073	0.8830636	1	368 tags=19%, list=7%, signal=20%
REACTOME_SIGNALING_BY_EGFR_IN_CANCER	REACTOME_SIGNALING_BY_EGFR_IN_CANCER	18	0.38210648	1.1397133	0.28277153	0.8829772	1	1383 tags=44%, list=28%, signal=61%
MCLACHLAN_DENTAL_CARIES_DN	MCLACHLAN_DENTAL_CARIES_DN	48	0.35081905	1.139701	0.2857143	0.8825082	1	1113 tags=42%, list=22%, signal=50%
GSE8621_LPS_STIM_VS_LPS_PRIMED_AND_LPS_STIM_M	GSE8621_LPS_STIM_VS_LPS_PRIMED_AND_LPS_STIM_M	59	0.29141915	1.139197	0.270428	0.8836662	1	1353 tags=37%, list=27%, signal=51%
WTTGKCTG_UNKNOW	WTTGKCTG_UNKNOW	156	0.256332	1.139136	0.20896956	0.8836384	1	1192 tags=25%, list=24%, signal=32%
GSE24634_TEFF_VS_TCONV_DAY7_IN_CULTURE_DN	GSE24634_TEFF_VS_TCONV_DAY7_IN_CULTURE_DN	56	0.34755576	1.1391034	0.30658436	0.8829526	1	1160 tags=30%, list=23%, signal=39%
NING_CHRONIC_OBSTRUCTIVE_PULMONARY_DISEASE_NING_CHRONIC_OBSTRUCTIVE	NING_CHRONIC_OBSTRUCTIVE_PULMONARY_DISEASE_NING_CHRONIC_OBSTRUCTIVE	43	0.3377032	1.1390558	0.30097088	0.882601	1	918 tags=35%, list=18%, signal=42%
GO_ANION_TRANSMEMBRANE_TRANSPORTER_ACTIVITY	GO_ANION_TRANSMEMBRANE_TRANSPORTER_ACTIVITY	88	0.27193895	1.1388897	0.2337884	0.8826352	1	1057 tags=31%, list=21%, signal=38%
GO_REGULATION_OF_PHOSPHOLIPASE_ACTIVITY	GO_REGULATION_OF_PHOSPHOLIPASE_ACTIVITY	26	0.38444653	1.1388559	0.32101166	0.88223624	1	1306 tags=35%, list=26%, signal=47%
VSDDR_Q3	VSDDR_Q3	59	0.30298015	1.1387906	0.2624769	0.88191766	1	987 tags=31%, list=20%, signal=38%
GSE8621_UNSTIM_VS_LPS_PRIMED_UNSTIM_MACROPHAGE_UP	GSE8621_UNSTIM_VS_LPS_PRIMED_UNSTIM_MACROPHAGE_UP	43	0.31292617	1.1387762	0.2752809	0.88146526	1	1204 tags=33%, list=24%, signal=43%
CAGCTTT_MIR-320	CAGCTTT_MIR-320	54	0.31153154	1.1385655	0.26806083	0.88164663	1	861 tags=26%, list=17%, signal=31%
GSE1925_3H_VS_24H_IFNG_STIM_MACROPHAGE_UP	GSE1925_3H_VS_24H_IFNG_STIM_MACROPHAGE_UP	58	0.30106485	1.1385411	0.27016884	0.88122046	1	586 tags=19%, list=12%, signal=21%
GSE8921_3H_VS_24H_TLR1_2_STIM_MONOCYTE_UP	GSE8921_3H_VS_24H_TLR1_2_STIM_MONOCYTE_UP	59	0.32257348	1.1382351	0.29063097	0.8817538	1	744 tags=25%, list=15%, signal=30%
KAYO_CALORIE_RESTRICTION_MUSCLE_UP	KAYO_CALORIE_RESTRICTION_MUSCLE_UP	42	0.35568953	1.138179	0.3145631	0.8814424	1	1089 tags=33%, list=22%, signal=42%
GO_PHENOL_CONTAINING_COMPOUND_METABOLISM	GO_PHENOL_CONTAINING_COMPOUND_METABOLISM	29	0.3475555	1.1381706	0.29236498	0.8809663	1	1681 tags=45%, list=34%, signal=67%
GSE27291_OH_VS_6H_STIM_GAMMADELTA_TCELL_DN	GSE27291_OH_VS_6H_STIM_GAMMADELTA_TCELL_DN	30	0.33238065	1.1377494	0.26443204	0.8818604	1	44 tags=10%, list=3%, signal=10%
GO_FERTILIZATION	GO_FERTILIZATION	47	0.29438087	1.1374996	0.23616236	0.8821903	1	1011 tags=23%, list=20%, signal=29%
GO_ORGAN_GROWTH	GO_ORGAN_GROWTH	34	0.33555982	1.1374468	0.2837838	0.881873	1	417 tags=15%, list=8%, signal=16%
GSE22886_NAIVE_CD4_TCELL_VS_48H_ACT_TH1_UP	GSE22886_NAIVE_CD4_TCELL_VS_48H_ACT_TH1_UP	40	0.33695808	1.1372695	0.31047618	0.8819639	1	1137 tags=35%, list=23%, signal=45%
GO_ADULT_LOCOMOTOR_BEHAVIOR	GO_ADULT_LOCOMOTOR_BEHAVIOR	27	0.33830398	1.1372607	0.27340823	0.8815036	1	1306 tags=41%, list=26%, signal=55%
GO_UNSATURATED_FATTY_ACID_METABOLIC_PROCESS	GO_UNSATURATED_FATTY_ACID_METABOLIC_PROCESS	43	0.31942284	1.1372577	0.28028932	0.8810123	1	880 tags=26%, list=18%, signal=31%
GSE15624_CTRL_VS_6H_HALOFLUGINONE_TREATED_CD4	GSE15624_CTRL_VS_6H_HALOFLUGINONE_TREATED_CD4	39	0.338836	1.1371711	0.2983539	0.8808067	1	1306 tags=38%, list=26%, signal=52%
AGCYRWTTG_UNKNOW	AGCYRWTTG_UNKNOW	3	0.3406799	1.1370654	0.3003876	0.8806536	1	919 tags=28%, list=18%, signal=34%
MOHANKUMAR_TLX1_TARGETS_DN	MOHANKUMAR_TLX1_TARGETS_DN	112	0.28807428	1.1369298	0.27204502	0.8806402	1	1271 tags=34%, list=25%, signal=44%
GSE17721_CTRL_VS_POLYIC_24H_BMDC_UP	GSE17721_CTRL_VS_POLYIC_24H_BMDC_UP	46	0.29849674	1.1369095	0.24796748	0.8802202	1	1133 tags=30%, list=23%, signal=39%
AAAYRNCTG_UNKNOW	AAAYRNCTG_UNKNOW	118	0.28116027	1.136901	0.25849056	0.8797445	1	919 tags=27%, list=18%, signal=32%
GO_ADHERENS_JUNCTION_ORGANIZATION	GO_ADHERENS_JUNCTION_ORGANIZATION	28	0.34951914	1.1366464	0.28871894	0.88005036	1	985 tags=25%, list=20%, signal=31%
CHR1P173	CHR1P173	27	0.3436838	1.1365632	0.2846154	0.87982047	1	509 tags=22%, list=10%, signal=25%
GSE16385_MONOCYTE_VS_12H_IFNG_TNF_TREATED_M	GSE16385_MONOCYTE_VS_12H_IFNG_TNF_TREATED_M	40	0.2964538	1.1363982	0.26044377	0.87985986	1	854 tags=28%, list=17%, signal=33%
GSE41978_ID2_KO_VS_BIM_KO_KLRG1_LOW_EFFECTOR	GSE41978_ID2_KO_VS_BIM_KO_KLRG1_LOW_EFFECTOR	47	0.31558815	1.1363257	0.27005872	0.8795798	1	1173 tags=36%, list=23%, signal=47%
GO_NEUROEPITHELIAL_CELL_DIFFERENTIATION	GO_NEUROEPITHELIAL_CELL_DIFFERENTIATION	28	0.35114917	1.1362691	0.29259259	0.87928814	1	882 tags=32%, list=18%, signal=39%
GO_REGULATION_OF_HEART_CONTRACTION	GO_REGULATION_OF_HEART_CONTRACTION	84	0.28428724	1.1361145	0.26559713	0.8792932	1	1589 tags=44%, list=32%, signal=63%
GO_ENDOPLASMIC_RETICULUM_LUMEN	GO_ENDOPLASMIC_RETICULUM_LUMEN	68	0.33937073	1.1359918	0.31992337	0.87922096	1	1615 tags=51%, list=32%, signal=75%
LEIN_MIDBRAIN_MARKERS	LEIN_MIDBRAIN_MARKERS	35	0.3273512	1.1355984	0.28625235	0.8799793	1	920 tags=29%, list=18%, signal=35%
GO_TUBE_MORPHOGENESIS	GO_TUBE_MORPHOGENESIS	117	0.28366522	1.1355878	0.2739726	0.87951595	1	882 tags=24%, list=18%, signal=28%
WENG_POR_TARGETS_LIVER_UP	WENG_POR_TARGETS_LIVER_UP	22	0.370647	1.13495	0.3005566	0.88110566	1	1207 tags=41%, list=24%, signal=54%
GCTCTTG_MIR-335	GCTCTTG_MIR-335	19	0.37897962	1.1348535	0.30576923	0.88093215	1	1378 tags=47%, list=28%, signal=65%
CHR14Q11	CHR14Q11	27	0.3445439	1.1345406	0.28793773	0.88139355	1	213 tags=15%, list=4%, signal=15%
MATZUK_SPERMATOZOA	MATZUK_SPERMATOZOA	30	0.3307125	1.1341805	0.28	0.8820568	1	937 tags=33%, list=19%, signal=41%
GSE29164_UNTREATED_VS_CD8_TCELL_TREATED_MELA	GSE29164_UNTREATED_VS_CD8_TCELL_TREATED_MELA	51	0.3156508	1.1340762	0.27131784	0.88190615	1	1031 tags=33%, list=21%, signal=42%
VSTAL1BETAIF2_Q1	VSTAL1BETAIF2_Q1	87	0.28611925	1.1339567	0.27389705	0.88181925	1	1162 tags=32%, list=23%, signal=41%
KANG_IMMORTALIZED_BY_TERT_DN	KANG_IMMORTALIZED_BY_TERT_DN	49	0.34008566	1.1339517	0.31417623	0.8813386	1	853 tags=24%, list=17%, signal=29%
GO_REGULATION_OF_LIPASE_ACTIVITY	GO_REGULATION_OF_LIPASE_ACTIVITY	28	0.3724486	1.1338779	0.32947975	0.8810762	1	1306 tags=32%, list=26%, signal=49%
GSE1925_CTRL_VS_3H_IFNG_STIM_MACROPHAGE_DN	GSE1925_CTRL_VS_3H_IFNG_STIM_MACROPHAGE_DN	65	0.3061476	1.1338145	0.2848587	0.88079774	1	766 tags=22%, list=15%, signal=25%
VSZID_Q1	VSZID_Q1	82	0.26315296	1.133775	0.23076923	0.8804218	1	1021 tags=28%, list=20%, signal=35%
GSE34205_RSV_VS_FLU_INF_INFANT_PBMC_UP	GSE34205_RSV_VS_FLU_INF_INFANT_PBMC_UP	47	0.31142774	1.1336454	0.28710938	0.8803221	1	1851 tags=53%, list=37%, signal=84%
TGCCTTA_MIR-124A	TGCCTTA_MIR-124A	142	0.26983867	1.1334115	0.2411215	0.8805715	1	930 tags=25%, list=19%, signal=29%
GO_POSITIVE_REGULATION_OF_EXOCYTOSIS	GO_POSITIVE_REGULATION_OF_EXOCYTOSIS	21	0.3522344	1.1333826	0.2835821	0.88016385	1	384 tags=19%, list=8%, signal=21%
GSE5589_LPS_VS_LPS_AND_IL10_IL2_KO_MACROPHAGE_UP	GSE5589_LPS_VS_LPS_AND_IL10_IL2_KO_MACROPHAGE_UP	29	0.3318326	1.1333332	0.27659576	0.8798197	1	626 tags=24%, list=13%, signal=27%
GSE17721_12H_VS_24H_PAM3CSK4_BMDC_DN	GSE17721_12H_VS_24H_PAM3CSK4_BMDC_DN	42	0.32804972	1.1332904	0.2936508	0.87945974	1	611 tags=24%, list=12%, signal=27%
GO_TRANSMEMBRANE_TRANSPORT	GO_TRANSMEMBRANE_TRANSPORT	316	0.24341416	1.1332899	0.207483	0.8789675	1	1326 tags=32%, list=27%, signal=40%
CHILDREN_GEFITINIB_RESISTANCE_DN	CHILDREN_GEFITINIB_RESISTANCE_DN	101	0.32506758	1.1332763	0.3059867	0.8785267	1	953 tags=29%, list=19%, signal=35%
GO_MONOCARBOXYLIC_ACID_TRANSMEMBRANE_TRANSPORT	GO_MONOCARBOXYLIC_ACID_TRANSMEMBRANE_TRANSPORT	21	0.365604	1.1330802	0.30037314	0.87870395	1	1032 tags=33%, list=21%, signal=42%
GSE34205_HEALTHY_VS_FLU_INF_INFANT_PBMC_UP	GSE34205_HEALTHY_VS_FLU_INF_INFANT_PBMC_UP	41	0.34163028	1.1330662	0.31643003	0.87826174	1	906 tags=29%, list=18%, signal=35%
GO_TRANSMEMBRANE_TRANSPORTER_ACTIVITY	GO_TRANSMEMBRANE_TRANSPORTER_ACTIVITY	291	0.24274302	1.1330125	0.20812182	0.8779491	1	1032 tags=25%, list=21%, signal=30%
GSE13522_WT_VS_IFNG_KO_SKLN_DN	GSE13522_WT_VS_IFNG_KO_SKLN_DN	42	0.30256337	1.1329089	0.25875485	0.8777968	1	800 tags=21%, list=16%, signal=25%
GSE11961_GERMINAL_CENTER_BCELL_DAY7_VS_MEMO	GSE11961_GERMINAL_CENTER_BCELL_DAY7_VS_MEMO	54	0.28969252	1.1328852	0.25826445	0.877383	1	689 tags=22%, list=14%, signal=25%
GO_NUCLEAR_MEMBRANE	GO_NUCLEAR_MEMBRANE	48	0.294143	1.1328827	0.24710424	0.87689996	1	1017 tags=31%, list=20%, signal=39%
GO_REGULATION_OF_NEURON_PROJECTION_DEVELOPMENT	GO_REGULATION_OF_NEURON_PROJECTION_DEVELOPMENT	132	0.2835417	1.1328254	0.259542	0.8765962	1	1331 tags=33%, list=27%, signal=44%
MODULE_234	MODULE_234	37	0.37354785	1.1326501	0.33333334	0.8766731	1	1145 tags=38%, list=23%, signal=49%
GO_CATION_TRANSMEMBRANE_TRANSPORTER_ACTIVITY	GO_CATION_TRANSMEMBRANE_TRANSPORTER_ACTIVITY	169	0.25451344	1.1323014	0.23235801	0.87732345	1	682 tags=19%, list=14%, signal=21%
GO_REGULATION_OF_BMP_SIGNALING_PATHWAY	GO_REGULATION_OF_BMP_SIGNALING_PATHWAY	36	0.36075702	1.1321956	0.30339321	0.877		

GO_REGULATION_OF_TRANSMEMBRANE_RECEPTOR_PI	GO_REGULATION_OF_TRAN	86	0.31188455	1.129191	0.32089552	0.87534606	1	1024	tags=30%, list=20%, signal=37%
GO_DEVELOPMENTAL_PIGMENTATION	GO_DEVELOPMENTAL_PIGA	15	0.43408503	1.1290112	0.3339921	0.8754175	1	1358	tags=47%, list=27%, signal=64%
GSE36476_YOUNG_VS_OLD_DONOR_MEMORY_CD4_TC	GSE36476_YOUNG_VS_OLD	59	0.29028007	1.1289982	0.27701375	0.8749777	1	645	tags=17%, list=13%, signal=19%
GO_REGULATION_OF_G_PROTEIN_COUPLED_RECEPTOR	GO_REGULATION_OF_G_PR	47	0.32437193	1.1288687	0.28210115	0.87494	1	745	tags=28%, list=15%, signal=32%
GO_EMBRYONIC_SKELETAL_SYSTEM_DEVELOPMENT	GO_EMBRYONIC_SKELETAL	58	0.33456668	1.1286477	0.28303188	0.87514704	1	1354	tags=36%, list=27%, signal=49%
GSE24142_ADULT_VS_FETAL_D2N_THYMOCYTE_DN	GSE24142_ADULT_VS_FETAI	62	0.29233566	1.1283754	0.25833333	0.87552524	1	1268	tags=34%, list=25%, signal=45%
GO_RESPONSE_TO_NITROGEN_COMPOUND	GO_RESPONSE_TO_NITROG	292	0.250925	1.1282238	0.2744361	0.8755132	1	1302	tags=34%, list=26%, signal=45%
GO_REGULATION_OF_CELL_MORPHOGENESIS	GO_REGULATION_OF_CELL	149	0.2807461	1.1281677	0.29051384	0.87520725	1	890	tags=26%, list=18%, signal=30%
GSE360_L_DONOVANI_VS_L_MAJOR_DC_DN	GSE360_L_DONOVANI_VS_L	51	0.30622944	1.1281228	0.2821577	0.8749018	1	1482	tags=41%, list=30%, signal=58%
GAL_LEUKEMIC_STEM_CELL_UP	GAL_LEUKEMIC_STEM_CELL	25	0.33199465	1.1277425	0.282	0.8756505	1	218	tags=16%, list=4%, signal=17%
GSE3982_MAST_CELL_VS_TH2_UP	GSE3982_MAST_CELL_VS_T	59	0.3174853	1.1277351	0.31663325	0.87519354	1	1070	tags=32%, list=21%, signal=40%
V5STAT1_02	V5STAT1_02	42	0.30495402	1.1275791	0.2771739	0.8752011	1	1473	tags=38%, list=29%, signal=54%
GO_ARACHIDONIC_ACID_METABOLIC_PROCESS	GO_ARACHIDONIC_ACID_M	25	0.3544721	1.1274605	0.284153	0.87508893	1	880	tags=28%, list=18%, signal=34%
GTCNYYATGR_UNKNOWN	GTCNYYATGR_UNKNOWN	20	0.36699572	1.1272141	0.3075314	0.87544173	1	1421	tags=50%, list=28%, signal=70%
GO_ACTIVE_ION_TRANSMEMBRANE_TRANSPORTER_AC	GO_ACTIVE_ION_TRANSME	45	0.31995347	1.1270868	0.29233512	0.8754038	1	981	tags=31%, list=20%, signal=38%
GSE40274_SATB1_VS_FOXP3_AND_SATB1_TRANSDUCEI	GSE40274_SATB1_VS_FOXP	35	0.31355438	1.1270652	0.2630522	0.87499344	1	625	tags=26%, list=13%, signal=29%
SANSOM_WNT_PATHWAY_REQUIRE_MYC	SANSOM_WNT_PATHWAY	27	0.3724637	1.1270503	0.3212121	0.8745691	1	1315	tags=41%, list=26%, signal=55%
SANA_TNF_SIGNALING_DN	SANA_TNF_SIGNALING_DN	39	0.3708394	1.1267813	0.3530572	0.8749594	1	1783	tags=56%, list=36%, signal=87%
GSE9006_TYPE_1_DIABETES_AT_DX_VS_1MONTH_POST	GSE9006_TYPE_1_DIABETES	41	0.3071884	1.1263516	0.26102942	0.875933	1	1319	tags=34%, list=26%, signal=46%
GSE7348_LPS_VS_DIABETED_AND_LPS_STIM_MACROPI	GSE7348_LPS_VS_TOLERIZ	22	0.37031084	1.1261407	0.3104126	0.8761299	1	692	tags=27%, list=14%, signal=32%
GSE19888_NO_PRETREAT_VS_ADENOSINE_A3R_INHIBIT	GSE19888_NO_PRETREAT_1	40	0.32487807	1.125537	0.2928709	0.8776233	1	907	tags=30%, list=18%, signal=36%
VALK_AML_CLUSTER10	VALK_AML_CLUSTER10	17	0.41510394	1.1253861	0.3484536	0.8776451	1	1434	tags=53%, list=29%, signal=74%
REACTOME_DIABETES_PATHWAYS	REACTOME_DIABETES_PATI	25	0.34652838	1.1252419	0.2825279	0.8776431	1	1240	tags=36%, list=25%, signal=48%
GO_INTRACELLULAR_VESICLE	GO_INTRACELLULAR_VESIC	359	0.24328029	1.1252061	0.26045626	0.87728965	1	969	tags=23%, list=19%, signal=27%
GSE14308_TH17_VS_NAIVE_CD4_TCELL_DN	GSE14308_TH17_VS_NAIVE	37	0.30580372	1.124984	0.2769784	0.8775369	1	1080	tags=27%, list=22%, signal=34%
V5TFIII_Q6	V5TFIII_Q6	56	0.31658968	1.1248411	0.31914893	0.87752837	1	826	tags=21%, list=17%, signal=25%
GO_HOMEOSTATIC_PROCESS	GO_HOMEOSTATIC_PROCE	432	0.24045798	1.1244606	0.24909091	0.8783032	1	943	tags=21%, list=19%, signal=23%
KYNG_DNA_DAMAGE_BY_GAMMA_AND_UV_RADIATIO	KYNG_DNA_DAMAGE_BY_G	27	0.3334849	1.1244051	0.28985506	0.8780088	1	1243	tags=33%, list=25%, signal=44%
GO_REGULATION_OF_ENDOTHELIAL_CELL_PROLIFERATI	GO_REGULATION_OF_ENDC	41	0.36214975	1.1238009	0.35829958	0.87945956	1	1190	tags=37%, list=24%, signal=48%
GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TC	GSE2770_TGFB_AND_IL4_V	29	0.33694196	1.1237103	0.32024795	0.8792633	1	732	tags=28%, list=15%, signal=32%
SIMBULAN_PARP1_TARGETS_UP	SIMBULAN_PARP1_TARGET	16	0.44919288	1.1235849	0.336	0.8792234	1	822	tags=31%, list=16%, signal=37%
GO_REGULATION_OF_CELL_PROJECTION_ORGANIZATI	GO_REGULATION_OF_CELL	168	0.26988775	1.1234895	0.28125	0.87905353	1	1331	tags=32%, list=27%, signal=42%
REACTOME_NEURONAL_SYSTEM	REACTOME_NEURONAL_S	83	0.28232095	1.1234558	0.26415095	0.8786973	1	1419	tags=36%, list=28%, signal=50%
BENPORATH_EED_TARGETS	BENPORATH_EED_TARGETS	481	0.24370603	1.1234235	0.26010546	0.8783381	1	986	tags=23%, list=20%, signal=26%
WYAAANRRNNNGG_UNKNOWN	WYAAANRRNNNGG_UNKNOWN	20	0.37510127	1.1232586	0.32115385	0.8783993	1	1384	tags=45%, list=28%, signal=62%
GSE5589_WT_VS_IL10_KO_AND_IL10_STIM_MACRO	GSE5589_WT_VS_IL10_KO_L	43	0.2891205	1.1230788	0.25183824	0.87849367	1	1428	tags=42%, list=29%, signal=58%
CHR3P21	CHR3P21	43	0.31267726	1.1230599	0.26612905	0.8780088	1	611	tags=21%, list=12%, signal=24%
GSE23308_WT_VS_MINERALCORTICOID_REC_KO_MACR	GSE23308_WT_VS_MINERAI	21	0.3421825	1.1229739	0.28846154	0.87789214	1	777	tags=33%, list=16%, signal=39%
GO_ORGANIC_ACID_TRANSMEMBRANE_TRANSPORTER	GO_ORGANIC_ACID_TRANSL	47	0.29602644	1.1225473	0.2864675	0.87881577	1	1057	tags=34%, list=21%, signal=43%
NAGASHIMA_EGF_SIGNALING_UP	NAGASHIMA_EGF_SIGNALI	27	0.43259418	1.122473	0.34095633	0.8785967	1	1729	tags=59%, list=35%, signal=90%
GSE5463_CTRL_VS_DEXAMETHASONE_TREATED_THYM	GSE5463_CTRL_VS_DEXAMI	48	0.3078895	1.1222154	0.2836439	0.8789023	1	772	tags=27%, list=15%, signal=32%
KEGG_FOCAL_ADHESION	KEGG_FOCAL_ADHESION	74	0.34310177	1.1219553	0.33333334	0.8792899	1	1615	tags=47%, list=32%, signal=69%
GSE20366_CD103_POS_VS_CD103_KLRG1_DP_TREG_DN	GSE20366_CD103_POS_VS_	74	0.27501762	1.1219405	0.248	0.8788635	1	1105	tags=32%, list=22%, signal=41%
GSE7852_TREG_VS_TCONV	GSE7852_TREG_VS_TCONV	66	0.30596253	1.1218816	0.2972973	0.8785665	1	1108	tags=32%, list=21%, signal=40%
GSE42021_TREG_VS_TCONV_PLN_DN	GSE42021_TREG_VS_TCON	54	0.28910708	1.121664	0.28094304	0.8787874	1	1279	tags=33%, list=26%, signal=44%
GO_SEX_DIFFERENTIATION	GO_SEX_DIFFERENTIATION	108	0.2653875	1.1216289	0.2807971	0.87843984	1	853	tags=23%, list=17%, signal=27%
YKACATT_UNKNOWN	YKACATT_UNKNOWN	83	0.2964503	1.1214633	0.29847908	0.8785197	1	1505	tags=39%, list=30%, signal=54%
GSE2585_C080_HIGH_VS_LOW_MTEC_UP	GSE2585_C080_HIGH_VS_U	79	0.28681898	1.1212684	0.29281768	0.8786662	1	1564	tags=42%, list=31%, signal=60%
LINDRENBLADDER_CANCER_CLUSTER_2A_DN	LINDRENBLADDER_CANC	47	0.33828446	1.1211866	0.33679834	0.878465	1	918	tags=30%, list=18%, signal=36%
GSE7548_NAIVE_VS_DAY28_PCC_IMMUNIZATION_CD4	GSE7548_NAIVE_VS_DAY28	45	0.30525735	1.1211178	0.2982456	0.8780164	1	1357	tags=38%, list=27%, signal=51%
PID_AVB3_INTEGRIN_PATHWAY	PID_AVB3_INTEGRIN_PATHI	35	0.40446547	1.1210682	0.37278107	0.8778922	1	1218	tags=49%, list=24%, signal=64%
CAGTATT_MIR-200B_MIR-200C_MIR-429	CAGTATT_MIR-200B_MIR-20	124	0.2722151	1.1210626	0.26838234	0.8774411	1	1442	tags=40%, list=29%, signal=55%
GO_REGULATION_OF_RAS_PROTEIN_SIGNAL_TRANSDU	GO_REGULATION_OF_RAS_I	48	0.29104123	1.1210523	0.27552986	0.87700725	1	1022	tags=29%, list=20%, signal=36%
GO_REGULATION_OF_AMINE_TRANSPORT	GO_REGULATION_OF_AMIN	32	0.3460407	1.1209241	0.31794873	0.87692976	1	912	tags=25%, list=18%, signal=30%
GO_POSITIVE_REGULATION_OF_CELL_SUBSTRATE_ADI	GO_POSITIVE_REGULATION	31	0.35229987	1.1209008	0.3280943	0.8765137	1	1843	tags=58%, list=37%, signal=91%
SCHAEFFER_PROSTATE_DEVELOPMENT_6HR_UP	SCHAEFFER_PROSTATE_DEV	52	0.3341008	1.1207713	0.31800765	0.87649	1	1161	tags=40%, list=23%, signal=52%
VSUF_Q6	VSUF_Q6	48	0.2959028	1.1203139	0.30185184	0.87750256	1	1476	tags=42%, list=30%, signal=59%
GO_PEPTIDE_TRANSPORT	GO_PEPTIDE_TRANSPORT	23	0.35999006	1.1203103	0.3149742	0.8770421	1	1411	tags=48%, list=28%, signal=66%
GO_POSITIVE_REGULATION_OF_EPITHELIAL_CELL_DI	GO_POSITIVE_REGULATION	21	0.35651713	1.1203095	0.29239765	0.8765769	1	1130	tags=38%, list=23%, signal=49%
GO_NEURON_DEVELOPMENT	GO_NEURON_DEVELOPME	227	0.25481492	1.1202756	0.26386234	0.8762186	1	891	tags=23%, list=18%, signal=27%
CHRSQ31	CHRSQ31	52	0.33670798	1.1202453	0.32776618	0.87584716	1	1053	tags=27%, list=21%, signal=34%
GSE2706_2H_VS_8H_LPS_STM_DC_UP	GSE2706_2H_VS_8H_LPS_S	62	0.28346607	1.1200554	0.27272728	0.8760031	1	1407	tags=37%, list=28%, signal=51%
SHEPARD_CRUSH_AND_BURN_MUTANT_UP	SHEPARD_CRUSH_AND_BUN	46	0.32560238	1.1197973	0.3319838	0.87635165	1	396	tags=17%, list=8%, signal=19%
GSE15659_CD45RA_NEG_CD4_TCELL_VS_ACTIVATED_T	GSE15659_CD45RA_NEG_C	56	0.28392985	1.119677	0.25321102	0.87625	1	1000	tags=27%, list=20%, signal=33%
GSE23505_UNTREATED_VS_4DAY_IL1_IL1_TGFB_TRE	GSE23505_UNTREATED_VS_	40	0.34198498	1.1194599	0.3108108	0.87647635	1	1003	tags=25%, list=20%, signal=31%
GSE36392_EOSINOPHIL_VS_MAC_IL2_TREATED_LUNG	GSE36392_EOSINOPHIL_V	21	0.33503947	1.1190293	0.29132323	0.8774026	1	951	tags=33%, list=19%, signal=41%
SABATES_COLORECTAL_ADENOMA_DN	SABATES_COLORECTAL_AD	181	0.3303638	1.1189512	0.36516854	0.87718815	1	1667	tags=45%, list=33%, signal=66%
GO_DEVELOPMENTAL_PROCESS_INVOLVED_IN_REPRO	GO_DEVELOPMENTAL_PRO	206	0.24256009	1.1189406	0.2481884	0.87675625	1	891	tags=24%, list=18%, signal=28%
GO_PROTEIN_HOMOTETRAMERIZATION	GO_PROTEIN_HOMOTETRA	16	0.37634885	1.1185219	0.31936127	0.8776209	1	43	tags=13%, list=1%, signal=13%
GTCCTCC-MIR-7	GTCCTCC-MIR-7	32	0.31566684	1.1185063	0.29241878	0.87720525	1	828	tags=25%, list=17%, signal=30%
MASSARWEH_TAMOXIFEN_RESISTANCE_UP	MASSARWEH_TAMOXIFEN	206	0.2868173	1.118247	0.302714	0.8775367	1	1166	tags=29%, list=23%, signal=36%
GO_RESPIRATORY_SYSTEM_DEVELOPMENT	GO_RESPIRATORY_SYSTEM	74	0.29236445	1.1180742	0.28425357	0.87764853	1	1043	tags=31%, list=21%, signal=39%
KEGG_CALCIIUM_SIGNALING_PATHWAY	KEGG_CALCIIUM_SIGNALIN	54	0.28909737	1.1180559	0.28804347	0.8772363	1	679	tags=22%, list=14%, signal=25%
GO_POSITIVE_REGULATION_OF_CELLULAR_COMPONENT	GO_POSITIVE_REGULATION	323	0.24857102	1.1180023	0.24951644	0.8769346	1	1419	tags=33%, list=28%, signal=44%
GSE17974_IL4_AND_ANTIL_IL12_VS_UNTREATED_6H	GSE17974_IL4_AND_ANTIL	67	0.29235932	1.1178594	0.2698706	0.87694395	1	1239	tags=36%, list=25%, signal=47%
MODULE_316	MODULE_316	30	0.32761505	1.1177726	0.2967626	0.8767467	1	1085	tags=33%, list=22%, signal=42%
GSE360_CTRL_VS_L_DONOVANI_MAC_UP	GSE360_CTRL_VS_L_DONO	36	0.32363382	1.1177156	0.31462926	0.8764508	1	718	tags=28%, list=14%, signal=32%
GO_POSITIVE_REGULATION_OF_NEURON_PROJECTION	GO_POSITIVE_REGULATION	72	0.30852598	1.1175882	0.3067961	0.8764032	1	1545	tags=46%, list=31%, signal=65%
GO_CELLULAR_CHEMICAL_HOMEOSTASIS	GO_CELLULAR_CHEMICAL_J	212	0.2578395	1.117473	0.26275992	0.8763049	1	940	tags=28%, list=19%, signal=32%
GSE38697_LIGHT_ZONE_VS_DARK_ZONE_BCELL_DN	GSE38697_LIGHT_ZONE_V	59	0.30016935	1.1172017	0.2983871	0.8767335	1	1399	tags=39%, list=28%, signal=53%
IL15_UP_VL1_DN	IL15_UP_VL1_DN	89	0.2819894	1.1169176	0.28107074	0.8771991	1	1243	tags=33%, list=25%, signal=43%
GO_GLAND_DEVELOPMENT	GO_GLAND_DEVELOPMENT	155	0.24857622	1.1169012	0.25904763	0.8767884	1	891	tags=23%, list=18%, signal=27%
GSE27786_CDB_TCELL_VS_ERYTHROBLAST_UP	GSE27786_CDB_TCELL_VS_E	22	0.35905698	1.1168971	0.32	0.87634265	1	606	tags=23%, list=12%, signal=26%
GSE13522_CTRL_VS_CRUIZ1									



GO_REPRODUCTIVE_SYSTEM_DEVELOPMENT	GO_REPRODUCTIVE_SYSTEM_DEVELOPMENT	162	0.25537184	1.1134051	0.2875226	0.8760108	1	891 tags=25%, list=18%, signal=29%
MCBRYAN_PUBERTAL_TGFB1_TARGETS_UP	MCBRYAN_PUBERTAL_TGFB1_TARGETS_UP	77	0.32343102	1.1132512	0.30425963	0.8760507	1	1375 tags=38%, list=28%, signal=51%
GO_PLATELET_DEGRANULATION	GO_PLATELET_DEGRANULATION	39	0.35081327	1.1132088	0.3294347	0.8757288	1	1541 tags=46%, list=31%, signal=66%
GO_ELECTRON_CARRIER_ACTIVITY	GO_ELECTRON_CARRIER_ACTIVITY	33	0.3300886	1.1132041	0.30812854	0.87528646	1	757 tags=24%, list=15%, signal=28%
GO_PLASMA_MEMBRANE_ORGANIZATION	GO_PLASMA_MEMBRANE_ORGANIZATION	52	0.28586212	1.1128871	0.27626458	0.8758057	1	1130 tags=29%, list=23%, signal=37%
GO_REGULATION_OF_CYTOSOL_CALCIIUM_ION_CONC	GO_REGULATION_OF_CYTOSOL_CALCIIUM_ION_CONC	85	0.29977044	1.1127716	0.31009173	0.8757271	1	901 tags=21%, list=18%, signal=25%
GSE2585_AIRE_KO_VS_WT_CD80_LOW_MTEC_DN	GSE2585_AIRE_KO_VS_WT_CD80_LOW_MTEC_DN	48	0.29128906	1.1127487	0.27307692	0.87534547	1	469 tags=17%, list=9%, signal=18%
GO_NEUROPEPTIDE_RECEPTOR_ACTIVITY	GO_NEUROPEPTIDE_RECEPTOR_ACTIVITY	17	0.4331977	1.1127373	0.3709369	0.8749336	1	1144 tags=41%, list=23%, signal=53%
GSE29164_CD8_TCELL_VS_CD8_TCELL_AND_IL12_TREAT	GSE29164_CD8_TCELL_VS_CD8_TCELL_AND_IL12_TREAT	34	0.3359904	1.1126422	0.30658436	0.8747907	1	790 tags=26%, list=16%, signal=31%
GSE29614_CTRL_VS_DAY3_TIV_FLU_VACCINE_PBMC_UP	GSE29614_CTRL_VS_DAY3_TIV_FLU_VACCINE_PBMC_UP	46	0.3133563	1.1120161	0.3	0.87631744	1	1221 tags=30%, list=24%, signal=40%
WANG_CISPLATIN_RESPONSE_AND_XPC_UP	WANG_CISPLATIN_RESPONSE_AND_XPC_UP	77	0.27577212	1.1120048	0.30873787	0.87588884	1	778 tags=25%, list=16%, signal=29%
VSOCT1_03	VSOCT1_03	71	0.31061001	1.1118026	0.31598514	0.87610334	1	1343 tags=37%, list=27%, signal=49%
GSE22601_DOUBLE_NEGATIVE_VS_IMMATURE_CD4_SP	GSE22601_DOUBLE_NEGATIVE_VS_IMMATURE_CD4_SP	16	0.3661742	1.1117319	0.31176472	0.87587863	1	932 tags=50%, list=19%, signal=61%
VSGATA4_Q3	VSGATA4_Q3	80	0.28285277	1.1116816	0.28901735	0.8755743	1	1198 tags=30%, list=24%, signal=39%
GSE360_L_DONOVANI_VS_T_GONDIL_DC_UP	GSE360_L_DONOVANI_VS_T_GONDIL_DC_UP	64	0.2663075	1.1115869	0.26342282	0.8754465	1	1244 tags=31%, list=25%, signal=41%
GO_NEGATIVE_REGULATION_OF_ANION_TRANSPORT	GO_NEGATIVE_REGULATION_OF_ANION_TRANSPORT	15	0.41445404	1.1115503	0.3345521	0.87511194	1	839 tags=27%, list=17%, signal=32%
GSE36476_YOUNG_VS_OLD_DONOR_MEMORY_CD4_TC	GSE36476_YOUNG_VS_OLD_DONOR_MEMORY_CD4_TC	52	0.30569908	1.1114111	0.30797774	0.8750896	1	730 tags=23%, list=15%, signal=27%
GNF2_CCNA1	GNF2_CCNA1	22	0.36491287	1.111333	0.32505175	0.87489945	1	306 tags=14%, list=6%, signal=14%
ACEVEDO_METHYLATED_IN_LIVER_CANCER_DN	ACEVEDO_METHYLATED_IN_LIVER_CANCER_DN	235	0.24546106	1.1112324	0.25607476	0.8747845	1	1313 tags=31%, list=26%, signal=40%
GO_APOPTOTIC_MITOCHONDRIAL_CHANGES	GO_APOPTOTIC_MITOCHONDRIAL_CHANGES	17	0.37568372	1.1110579	0.31600833	0.87488	1	37 tags=12%, list=1%, signal=12%
GSE19825_CD24LOW_VS_IL2RA_HIGH_DAY3_EFF_CD8_T	GSE19825_CD24LOW_VS_IL2RA_HIGH_DAY3_EFF_CD8_T	51	0.31507513	1.1108885	0.30379745	0.87497425	1	1041 tags=29%, list=21%, signal=39%
TGCCAAR_VSNF1_Q6	TGCCAAR_VSNF1_Q6	226	0.26963395	1.1108687	0.29739776	0.8745849	1	910 tags=25%, list=18%, signal=27%
GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBICIN	GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBICIN	83	0.26671463	1.1106495	0.2945892	0.8748339	1	571 tags=19%, list=11%, signal=21%
GO_NEGATIVE_REGULATION_OF_NOTCH_SIGNALING_P	GO_NEGATIVE_REGULATION_OF_NOTCH_SIGNALING_P	15	0.41412085	1.1106235	0.33519554	0.8746254	1	975 tags=33%, list=20%, signal=41%
GO_PROTEINACEOUS_EXTRACELLULAR_MATRIX	GO_PROTEINACEOUS_EXTRACELLULAR_MATRIX	181	0.32589866	1.1105887	0.348659	0.87411785	1	1638 tags=49%, list=33%, signal=70%
GO_SINGLE_FERTILIZATION	GO_SINGLE_FERTILIZATION	32	0.3136535	1.1104175	0.28917912	0.87423927	1	1011 tags=25%, list=20%, signal=31%
GSE21063_WT_VS_NFATC1_KO_16H_ANTI_ILGM_STIM_BI	GSE21063_WT_VS_NFATC1_KO_16H_ANTI_ILGM_STIM_BI	32	0.31897396	1.110156	0.29918033	0.87465894	1	685 tags=22%, list=14%, signal=25%
ZWANG_TRANSIENTLY_UP_BY_1ST_EGF_PULSE_ONLY	ZWANG_TRANSIENTLY_UP_BY_1ST_EGF_PULSE_ONLY	492	0.22428082	1.1100779	0.23388582	0.8744269	1	1118 tags=28%, list=22%, signal=32%
GSE22886_NAIVE_VS_MEMORY_TCELL_UP	GSE22886_NAIVE_VS_MEMORY_TCELL_UP	48	0.28467026	1.1100236	0.28996283	0.87413865	1	448 tags=17%, list=9%, signal=18%
GSE39110_DAY3_VS_DAY6_POST_IMMUNIZATION_CD8	GSE39110_DAY3_VS_DAY6_POST_IMMUNIZATION_CD8	57	0.30936232	1.1099515	0.29063097	0.8739003	1	1073 tags=30%, list=21%, signal=38%
GO_PLACENTA_DEVELOPMENT	GO_PLACENTA_DEVELOPMENT	51	0.29781714	1.1096644	0.28219697	0.87434983	1	891 tags=29%, list=18%, signal=35%
VSHEN1_02	VSHEN1_02	51	0.2948303	1.1096034	0.30057803	0.87409323	1	1372 tags=45%, list=27%, signal=62%
GO_THYMUS_DEVELOPMENT	GO_THYMUS_DEVELOPMENT	15	0.361583	1.109417	0.31622177	0.87428224	1	928 tags=33%, list=19%, signal=41%
GSE360_DC_VS_MAC1_DONOVANI_DN	GSE360_DC_VS_MAC1_DONOVANI_DN	39	0.3629212	1.1092652	0.33880904	0.87429446	1	1582 tags=41%, list=32%, signal=60%
GSE21927_BALBC_VS_C57BL6_MONOCYTE_SPLEEN_UP	GSE21927_BALBC_VS_C57BL6_MONOCYTE_SPLEEN_UP	49	0.29571578	1.1091645	0.29098362	0.8741614	1	740 tags=27%, list=15%, signal=31%
GO_NEURON_PROJECTION_TERMINUS	GO_NEURON_PROJECTION_TERMINUS	40	0.32637036	1.1087093	0.342246	0.8752139	1	540 tags=20%, list=11%, signal=22%
ZHANG_RESPONSE_TO_IKK_INHIBITOR_AND_TNF_DN	ZHANG_RESPONSE_TO_IKK_INHIBITOR_AND_TNF_DN	30	0.32836384	1.1087074	0.29032257	0.87477034	1	485 tags=23%, list=10%, signal=26%
GSE11961_FOLLICULAR_BCELL_VS_MEMORY_BCELL_DA	GSE11961_FOLLICULAR_BCELL_VS_MEMORY_BCELL_DA	44	0.2906048	1.1085683	0.28651685	0.87476873	1	564 tags=23%, list=11%, signal=25%
GSE40274_CTRL_VS_IRF4_TRANSDUCED_ACTIVATED_CI	GSE40274_CTRL_VS_IRF4_TRANSDUCED_ACTIVATED_CI	40	0.3496457	1.1085452	0.33665338	0.87439615	1	1102 tags=30%, list=22%, signal=38%
MODULE_567	MODULE_567	21	0.33161843	1.1084146	0.29577464	0.87437916	1	1274 tags=29%, list=25%, signal=38%
GSE29615_DAY3_VS_DAY7_LAVI_FLU_VACCINE_PBMC_I	GSE29615_DAY3_VS_DAY7_LAVI_FLU_VACCINE_PBMC_I	44	0.29234472	1.1083307	0.2872928	0.87420726	1	1051 tags=30%, list=21%, signal=37%
GSE10240_IL17_VS_IL17_AND_IL22_STIM_PRIMARY_BRC	GSE10240_IL17_VS_IL17_AND_IL22_STIM_PRIMARY_BRC	47	0.29941717	1.108186	0.30081302	0.8742072	1	959 tags=30%, list=19%, signal=37%
GSE18893_TCONV_VS_TREG_24H_CULTURE_UP	GSE18893_TCONV_VS_TREG_24H_CULTURE_UP	67	0.2818025	1.1079571	0.31790745	0.87439626	1	543 tags=18%, list=11%, signal=20%
PLASAR1_TGFB1_TARGETS_1HR_UP	PLASAR1_TGFB1_TARGETS_1HR_UP	15	0.42348316	1.1077904	0.3553719	0.8745471	1	1460 tags=53%, list=29%, signal=75%
GO_COLUMNAR_CUBOIDAL_EPITHELIAL_CELL_DIFFERE	GO_COLUMNAR_CUBOIDAL_EPITHELIAL_CELL_DIFFERE	56	0.28698968	1.1077834	0.2896679	0.87412965	1	882 tags=25%, list=18%, signal=30%
VSOCT1_01	VSOCT1_01	96	0.27310777	1.1077539	0.28756958	0.8737718	1	1516 tags=43%, list=30%, signal=60%
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUS	YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUS	37	0.37474787	1.1075224	0.34435797	0.87405366	1	1218 tags=46%, list=24%, signal=60%
JOHNSTONE_PARV8_TARGETS_3_UP	JOHNSTONE_PARV8_TARGETS_3_UP	123	0.27152255	1.1073884	0.30232558	0.87402743	1	1395 tags=33%, list=28%, signal=44%
GO_GOLGI_ASSOCIATED_VESICLE	GO_GOLGI_ASSOCIATED_VESICLE	16	0.37675813	1.1073333	0.33661416	0.8737471	1	600 tags=25%, list=12%, signal=28%
CAGCTG_VSPA4_Q5	CAGCTG_VSPA4_Q5	454	0.23080181	1.1071461	0.24408014	0.8738869	1	985 tags=24%, list=20%, signal=27%
GSE7509_DC_VS_MONOCYTE_UP	GSE7509_DC_VS_MONOCYTE_UP	52	0.32765692	1.1069472	0.338	0.8740763	1	1217 tags=31%, list=24%, signal=40%
VSCREB_02	VSCREB_02	49	0.29405233	1.106737	0.32089552	0.87426674	1	1047 tags=31%, list=21%, signal=38%
GSE17974_0H_VS_12H_IN_VITRO_ACT_CD4_TCELL_UP	GSE17974_0H_VS_12H_IN_VITRO_ACT_CD4_TCELL_UP	47	0.318645	1.1064527	0.3253012	0.8741136	1	1462 tags=43%, list=29%, signal=60%
GSE36392_EOSINOPHIL_VS_MAC1L25_TREATED_LUNG	GSE36392_EOSINOPHIL_VS_MAC1L25_TREATED_LUNG	75	0.28678015	1.1062912	0.2985972	0.8748005	1	983 tags=27%, list=20%, signal=33%
GO_PHOSPHOPROTEIN_PHOSPHATASE_ACTIVITY	GO_PHOSPHOPROTEIN_PHOSPHATASE_ACTIVITY	36	0.3116203	1.1062082	0.332	0.8746092	1	503 tags=17%, list=10%, signal=18%
BROWNE_HCMV_INFECTION_20HR_UP	BROWNE_HCMV_INFECTION_20HR_UP	58	0.27385047	1.106132	0.27788278	0.8744027	1	993 tags=26%, list=20%, signal=32%
GSE1460_CD4_THYMOCYTE_VS_NAIVE_CD4_TCELL_ADL	GSE1460_CD4_THYMOCYTE_VS_NAIVE_CD4_TCELL_ADL	49	0.34148222	1.1057886	0.35613683	0.8750456	1	919 tags=29%, list=18%, signal=35%
ACEVEDO_FGFR1_TARGETS_IN_PROSTATE_GANERAL_MC	ACEVEDO_FGFR1_TARGETS_IN_PROSTATE_GANERAL_MC	160	0.27188098	1.1057487	0.3053435	0.87472636	1	801 tags=24%, list=16%, signal=27%
GSE11961_MARGINAL_ZONE_BCELL_VS_GERMINAL_CENT	GSE11961_MARGINAL_ZONE_BCELL_VS_GERMINAL_CENT	52	0.30289367	1.105644	0.32157677	0.8746129	1	1165 tags=31%, list=23%, signal=40%
GO_NEGATIVE_REGULATION_OF_CHEMOTAXIS	GO_NEGATIVE_REGULATION_OF_CHEMOTAXIS	24	0.37667343	1.1054446	0.34923664	0.8747881	1	1190 tags=38%, list=24%, signal=49%
GSE27786_CD8_TCELL_VS_NKTC1L_DN	GSE27786_CD8_TCELL_VS_NKTC1L_DN	42	0.3188682	1.1054001	0.34600762	0.8745086	1	905 tags=26%, list=18%, signal=32%
GSE4984_GALECTIN1_VS_VEHICLE_CTRL_TREATED_DC_I	GSE4984_GALECTIN1_VS_VEHICLE_CTRL_TREATED_DC_I	36	0.30258572	1.1052781	0.3212237	0.8744856	1	154 tags=14%, list=3%, signal=14%
HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_DN	HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_DN	15	0.4090094	1.1051904	0.32950193	0.874323	1	1554 tags=60%, list=31%, signal=87%
WARTERS_IR_RESPONSE_5C	WARTERS_IR_RESPONSE_5C	20	0.37932774	1.1048346	0.32884616	0.87499017	1	646 tags=30%, list=13%, signal=34%
GSE21033_3H_VS_24H_POLY_ICC_STIM_DC_UP	GSE21033_3H_VS_24H_POLY_ICC_STIM_DC_UP	39	0.31653538	1.1041411	0.29918033	0.87670237	1	877 tags=26%, list=18%, signal=31%
WANG_CISPLATIN_RESPONSE_AND_XPC_DN	WANG_CISPLATIN_RESPONSE_AND_XPC_DN	55	0.31478193	1.10414	0.32475248	0.8762662	1	606 tags=20%, list=12%, signal=23%
GSE43957_UNTREATED_VS_NACL_TREATED_ANT1_CD3	GSE43957_UNTREATED_VS_NACL_TREATED_ANT1_CD3	63	0.2769375	1.1039416	0.2818535	0.8764531	1	1125 tags=30%, list=23%, signal=38%
GO_CELL_LEADING_EDGE	GO_CELL_LEADING_EDGE	93	0.2722256	1.1039023	0.33139536	0.8761312	1	1122 tags=26%, list=22%, signal=33%
GSE18893_TCONV_VS_TREG_24H_TNF_STIM_DN	GSE18893_TCONV_VS_TREG_24H_TNF_STIM_DN	23	0.33601606	1.1034706	0.34008098	0.877056	1	367 tags=22%, list=7%, signal=23%
GSE2706_UNSTIM_VS_8H_R848_CD_UP	GSE2706_UNSTIM_VS_8H_R848_CD_UP	49	0.28392872	1.1034598	0.28861788	0.8766418	1	1252 tags=37%, list=25%, signal=49%
LINDGREN_BLEEDER_CANCER_CLUSTER_1_UP	LINDGREN_BLEEDER_CANCER_CLUSTER_1_UP	32	0.31344053	1.1033996	0.30367506	0.87640166	1	830 tags=31%, list=17%, signal=37%
GO_POSITIVE_REGULATION_OF_SECRETION	GO_POSITIVE_REGULATION_OF_SECRETION	144	0.2655094	1.1033413	0.31433824	0.87613875	1	563 tags=16%, list=11%, signal=17%
GO_NEGATIVE_REGULATION_OF_HOEMEOSTATIC_PROCI	GO_NEGATIVE_REGULATION_OF_HOEMEOSTATIC_PROCI	41	0.34750345	1.1032869	0.33584905	0.87585485	1	563 tags=17%, list=11%, signal=19%
GSE13547_WT_VS_ZFX_KO_BCELL_ANTI_ILGM_STIM_12H	GSE13547_WT_VS_ZFX_KO_BCELL_ANTI_ILGM_STIM_12H	50	0.3123572	1.1031222	0.2972973	0.8759521	1	717 tags=22%, list=14%, signal=25%
REACTOME_DEVELOPMENTAL_BIOLOGY	REACTOME_DEVELOPMENTAL_BIOLOGY	111	0.2745874	1.1030246	0.30633804	0.8758059	1	1384 tags=34%, list=28%, signal=46%
GSE32986_UNSTIM_VS_GMCSF_STIM_DC_UP	GSE32986_UNSTIM_VS_GMCSF_STIM_DC_UP	45	0.34254472	1.1029088	0.33744857	0.87572783	1	1213 tags=38%, list=24%, signal=49%
GO_POSITIVE_REGULATION_OF_PROTEIN_SECRETION	GO_POSITIVE_REGULATION_OF_PROTEIN_SECRETION	88	0.30307388	1.1028607	0.33070865	0.8754291	1	634 tags=18%, list=13%, signal=29%
GO_NEGATIVE_REGULATION_OF_TRANSFERASE_ACTIVI	GO_NEGATIVE_REGULATION_OF_TRANSFERASE_ACTIVI	89	0.28017431	1.102475	0.32251522	0.8761777	1	1170 tags=33%, list=23%, signal=42%
GO_RESPONSE_TO_TOPOLOGICALLY_INCORRECT_PROT	GO_RESPONSE_TO_TOPOLOGICALLY_INCORRECT_PROT	28	0.31836292	1.1023746	0.30608365	0.876047	1	991 tags=32%, list=20%, signal=40%
GCAITTG_MIR-105	GCAITTG_MIR-105	39	0.34750563	1.1019707	0.33843213	0.8768482	1	1013 tags=26%, list=20%, signal=32%
KATSANOUE_ELAVAL1_TARGETS_UP	KATSANOUE_ELAVAL1_TARGETS_UP	76	0.29883632	1.1016876	0.33397314	0.87730944	1	1380 tags=34%, list=28%, signal=47%
VSPA2_Q6_Q1	VSPA2_Q6_Q1	62	0.28378007	1.1016715	0.2920354	0.8769251	1	861 tags=26%, list=17%, signal=31%
GSE22611_MUTANT_NOD2_VS_CTRL_TRANSDUCED_HE	GSE22611_MUTANT_NOD2_VS_CTRL_TRANSDUCED_HE	56	0.32400003	1.101545	0.364705			

LIU_SMARCA4_TARGETS	LIU_SMARCA4_TARGETS	26	0.38226324	1.0976493	0.354	0.8781629	1	1875 tags=69%, list=38%, signal=110%
GSE14769_UNSTIM_VS_60MN_LPS_BMDM_UP	GSE14769_UNSTIM_VS_60MN_LPS_BMDM_UP	25	0.31730685	1.0972732	0.33069307	0.87890536	1	831 tags=28%, list=17%, signal=43%
KANG_GIJS3_TARGETS	KANG_GIJS3_TARGETS	19	0.36675915	1.0970734	0.33701658	0.8791249	1	1384 tags=32%, list=28%, signal=33%
GSE22886_NAIVE_CD4_TCELL_VS_12H_ACT_TH2_UP	GSE22886_NAIVE_CD4_TCELL_VS_12H_ACT_TH2_UP	32	0.31893846	1.097026	0.31548756	0.8788419	1	700 tags=25%, list=14%, signal=29%
GSE11864_CSF1_VS_CSF1_PAM3_CYS_IN_MAC_CD	GSE11864_CSF1_VS_CSF1_PAM3_CYS_IN_MAC_CD	36	0.30189252	1.0970147	0.29867676	0.87844557	1	491 tags=19%, list=10%, signal=21%
GSE3982_MAC_VS_TH2_UP	GSE3982_MAC_VS_TH2_UP	57	0.3033041	1.0969504	0.33265308	0.87822534	1	1577 tags=42%, list=32%, signal=61%
FRIDMAN_IMMORTALIZATION_DN	FRIDMAN_IMMORTALIZATION_DN	16	0.4175837	1.0969266	0.390625	0.8778603	1	1043 tags=50%, list=21%, signal=63%
GO_NEGATIVE_REGULATION_OF_CALCIUM_ION_TRANS	GO_NEGATIVE_REGULATION_OF_CALCIUM_ION_TRANS	20	0.36687067	1.0963392	0.3475728	0.87926173	1	1264 tags=40%, list=25%, signal=53%
DARWICHE_PAPILLOMA_RISK_LOD_DN	DARWICHE_PAPILLOMA_RISK_LOD_DN	35	0.2911676	1.0963092	0.30277187	0.87894285	1	1079 tags=26%, list=22%, signal=33%
GO_PITUITARY_GLAND_DEVELOPMENT	GO_PITUITARY_GLAND_DEVELOPMENT	20	0.36410943	1.0961121	0.3265306	0.8790731	1	891 tags=35%, list=18%, signal=42%
GO_OVULATION_CYCLE	GO_OVULATION_CYCLE	53	0.30044723	1.0956763	0.33333334	0.879984	1	793 tags=21%, list=16%, signal=24%
GSE9601_UNTREATED_VS_PI3K_INHIBITOR_TREATED_HI	GSE9601_UNTREATED_VS_PI3K_INHIBITOR_TREATED_HI	43	0.3053516	1.0956751	0.33460802	0.87955546	1	1314 tags=35%, list=26%, signal=47%
GO_FLAVIN_ADENINE_DINUCLEOTIDE_BINDING	GO_FLAVIN_ADENINE_DINUCLEOTIDE_BINDING	25	0.34802172	1.095581	0.3378119	0.8794347	1	1204 tags=32%, list=24%, signal=42%
REACTOME_SIGNALING_BY_ERBB2	REACTOME_SIGNALING_BY_ERBB2	20	0.35602692	1.0953156	0.3132969	0.8798143	1	679 tags=20%, list=14%, signal=23%
GO_EMBRYO_DEVELOPMENT	GO_EMBRYO_DEVELOPMENT	303	0.24966495	1.0952065	0.30222388	0.8797258	1	891 tags=24%, list=18%, signal=27%
RAC1NRR1TNC_UNKNOW	RAC1NRR1TNC_UNKNOW	21	0.3654593	1.0949686	0.33078393	0.88005656	1	856 tags=33%, list=17%, signal=40%
GO_MULTICELLULAR_ORGANISM_REPRODUCTION	GO_MULTICELLULAR_ORGANISM_REPRODUCTION	229	0.22983444	1.0943224	0.27407408	0.8816242	1	824 tags=19%, list=16%, signal=22%
ACEVEDO_LIVER_TUMOR_VS_NORMAL_ADJACENT_TISS	ACEVEDO_LIVER_TUMOR_VS_NORMAL_ADJACENT_TISS	81	0.28644642	1.0937605	0.32093933	0.882982	1	1349 tags=36%, list=27%, signal=48%
GSE17301_CTRL_VS_48H_ACD3_ACD28_IFNAN5_STIM_CT	GSE17301_CTRL_VS_48H_ACD3_ACD28_IFNAN5_STIM_CT	54	0.2904165	1.0937521	0.31547618	0.88258064	1	782 tags=28%, list=16%, signal=30%
GO_MEMBRANE_PROTEIN_COMPLEX	GO_MEMBRANE_PROTEIN_COMPLEX	229	0.24415582	1.0936227	0.2892416	0.8825307	1	1063 tags=25%, list=21%, signal=33%
GO_NUCLEOSIDE_TRIPHOSPHATASE_REGULATOR_ACTI	GO_NUCLEOSIDE_TRIPHOSPHATASE_REGULATOR_ACTI	78	0.26493385	1.0935812	0.30291262	0.88222843	1	1495 tags=37%, list=30%, signal=52%
CLASPER_LYMPHATIC_VESSELS_DURING_METASTASIS_I	CLASPER_LYMPHATIC_VESSELS_DURING_METASTASIS_I	23	0.4756029	1.093455	0.4266145	0.8821724	1	1218 tags=57%, list=24%, signal=74%
V5HNF6_Q6	V5HNF6_Q6	83	0.2859618	1.0933644	0.33646616	0.8820162	1	545 tags=18%, list=11%, signal=20%
GSE13306_TREG_VS_TCONV_DN	GSE13306_TREG_VS_TCONV_DN	36	0.31695616	1.0933559	0.35490197	0.8816149	1	1270 tags=36%, list=25%, signal=41%
GSE16385_UNTREATED_VS_12H_ROSILGLITAZONE_TREA	GSE16385_UNTREATED_VS_12H_ROSILGLITAZONE_TREA	59	0.2786969	1.0931835	0.2936803	0.8817001	1	739 tags=22%, list=15%, signal=26%
WAMUNYOKOLI_OVARIAN_CANCER_GRADES_1_2_DN	WAMUNYOKOLI_OVARIAN_CANCER_GRADES_1_2_DN	31	0.401116584	1.0928701	0.38945234	0.8822242	1	1788 tags=55%, list=36%, signal=85%
GSE22886_IJM_MEMORY_BCELL_VS_BLOOD_PLASMA_I	GSE22886_IJM_MEMORY_BCELL_VS_BLOOD_PLASMA_I	22	0.35014424	1.0928297	0.3469388	0.8819109	1	151 tags=14%, list=3%, signal=14%
GSE2770_IL12_ACT_VS_ACT_CD4_TCELL_48H_UP	GSE2770_IL12_ACT_VS_ACT_CD4_TCELL_48H_UP	28	0.32933936	1.0926765	0.31784385	0.8819886	1	1260 tags=39%, list=25%, signal=52%
MODULE_88	MODULE_88	411	0.24921559	1.0925891	0.31417623	0.8818189	1	1258 tags=29%, list=25%, signal=35%
GSE5542_IFNG_VS_IFNA_TREATED_EPITHELIAL_CELL	GSE5542_IFNG_VS_IFNA_TREATED_EPITHELIAL_CELL	62	0.2721675	1.0924025	0.33069307	0.8819364	1	414 tags=13%, list=8%, signal=14%
HALLMARK_EPITHELIAL_MESENCHYMAL_TRANSITION	HALLMARK_EPITHELIAL_MESENCHYMAL_TRANSITION	129	0.37404046	1.092115	0.40711462	0.88244945	1	1790 tags=53%, list=36%, signal=81%
V5AREB6_03	V5AREB6_03	86	0.2600137	1.0920907	0.3079922	0.88210845	1	1083 tags=29%, list=22%, signal=36%
GSE43955_TGFB_IL6_VS_TGFB_IL6_IL23_TH17_ACT_CD4	GSE43955_TGFB_IL6_VS_TGFB_IL6_IL23_TH17_ACT_CD4	56	0.2846927	1.092083	0.32633588	0.8817136	1	717 tags=21%, list=14%, signal=25%
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_DN	17	0.35431385	1.091858	0.32936507	0.88195497	1	1003 tags=41%, list=20%, signal=51%
GO_TRANSITION_METAL_ION_BINDING	GO_TRANSITION_METAL_ION_BINDING	335	0.22837487	1.0918257	0.28210115	0.88162315	1	1303 tags=29%, list=26%, signal=37%
CRX_DN.V1_UP	CRX_DN.V1_UP	45	0.2951091	1.0918207	0.30912864	0.8812085	1	1349 tags=33%, list=27%, signal=45%
GSE14908_ATOPIC_VS_NONATOPIC_PATIENT_RESTING	GSE14908_ATOPIC_VS_NONATOPIC_PATIENT_RESTING	39	0.2877701	1.0917442	0.304	0.8810339	1	855 tags=26%, list=17%, signal=31%
GSE7852_THYMUS_VS_FAT_UP	GSE7852_THYMUS_VS_FAT_UP	27	0.33847883	1.0916833	0.35613683	0.88078046	1	1018 tags=33%, list=20%, signal=42%
GSE1112_OT1_CD8AB_VS_HY_CD8AA_THYMOCYTE_RTC	GSE1112_OT1_CD8AB_VS_HY_CD8AA_THYMOCYTE_RTC	46	0.30033493	1.0916554	0.32258064	0.88042945	1	1244 tags=39%, list=25%, signal=51%
GSE7831_1H_VS_4H_INFILUENZA_STIM_PDC_UP	GSE7831_1H_VS_4H_INFILUENZA_STIM_PDC_UP	46	0.29927436	1.0915726	0.34221312	0.8802562	1	1286 tags=37%, list=26%, signal=49%
VSATF1_Q6	VSATF1_Q6	80	0.26897871	1.0914073	0.31349206	0.8803566	1	909 tags=24%, list=18%, signal=29%
GO_POSITIVE_REGULATION_OF_NERVOUS_SYSTEM_DE	GO_POSITIVE_REGULATION_OF_NERVOUS_SYSTEM_DE	167	0.2685717	1.091318	0.32352942	0.8802368	1	1493 tags=38%, list=30%, signal=52%
GO_REGULATION_OF_LIPID_METABOLIC_PROCESS	GO_REGULATION_OF_LIPID_METABOLIC_PROCESS	98	0.27856722	1.0912422	0.34709194	0.8800395	1	1562 tags=36%, list=31%, signal=51%
SASAL_RESISTANCE_TO_NEOPLASTIC_TRANSFORMATION	SASAL_RESISTANCE_TO_NEOPLASTIC_TRANSFORMATION	28	0.4173224	1.0912111	0.37724552	0.87971956	1	1163 tags=36%, list=23%, signal=46%
GTCAGCV_V5E4F1_Q6	GTCAGCV_V5E4F1_Q6	127	0.2446777	1.0910617	0.28247422	0.87973773	1	1470 tags=37%, list=29%, signal=51%
GSE21670_TGFB_VS_TGFB_AND_IL6_TREATED_CD4_T	GSE21670_TGFB_VS_TGFB_AND_IL6_TREATED_CD4_T	59	0.29932868	1.0909925	0.34857142	0.879547	1	549 tags=25%, list=11%, signal=28%
GO_NEGATIVE_REGULATION_OF_NERVOUS_SYSTEM_D	GO_NEGATIVE_REGULATION_OF_NERVOUS_SYSTEM_D	88	0.2831669	1.0909323	0.33333334	0.8793063	1	1071 tags=28%, list=21%, signal=36%
V5ER_Q6_01	V5ER_Q6_01	82	0.2746271	1.0909073	0.3258004	0.87895364	1	969 tags=27%, list=19%, signal=33%
GSE3982_BCELL_VS_NKCELL_DN	GSE3982_BCELL_VS_NKCELL_DN	27	0.29290676	1.09085	0.33333334	0.8787003	1	543 tags=16%, list=11%, signal=18%
GSE7568_IL4_VS_IL4_AND_TGFB_TREATED_MACROPH	GSE7568_IL4_VS_IL4_AND_TGFB_TREATED_MACROPH	27	0.36021626	1.0907482	0.36203052	0.8785759	1	882 tags=30%, list=18%, signal=36%
MAGRANDEAS_MULTIPLE_MYELOMA_ILG1_VS_ILGK_UP	MAGRANDEAS_MULTIPLE_MYELOMA_ILG1_VS_ILGK_UP	18	0.3547756	1.0906007	0.33864543	0.8786004	1	343 tags=22%, list=7%, signal=24%
GSE17721_POLYVIC_VS_CPG_IL_BMDC_UP	GSE17721_POLYVIC_VS_CPG_IL_BMDC_UP	27	0.3103925	1.0905726	0.31569344	0.87826383	1	1302 tags=41%, list=26%, signal=55%
NAKAMURA_METASTASIS_MODEL_DN	NAKAMURA_METASTASIS_MODEL_DN	21	0.374843	1.0905662	0.3709369	0.8778705	1	509 tags=19%, list=10%, signal=21%
KORKOLA_EMBRYONIC_CARCINOMA_VS_SEMINOMA_I	KORKOLA_EMBRYONIC_CARCINOMA_VS_SEMINOMA_I	16	0.39270496	1.090547	0.36220473	0.8774844	1	743 tags=38%, list=15%, signal=44%
WILCOX_RESPONSE_TO_PROGESTERONE_DN	WILCOX_RESPONSE_TO_PROGESTERONE_DN	35	0.36097738	1.090282	0.37475345	0.87789303	1	1790 tags=57%, list=36%, signal=88%
GO_SPERM_MOTILITY	GO_SPERM_MOTILITY	16	0.37919313	1.0899931	0.3493014	0.878333	1	937 tags=44%, list=19%, signal=54%
GSE37301_HEMATOPOIETIC_STEM_CELL_VS_LYMPHOID	GSE37301_HEMATOPOIETIC_STEM_CELL_VS_LYMPHOID	40	0.29882514	1.0898131	0.32024795	0.8784652	1	1021 tags=33%, list=20%, signal=41%
GSE40274_GATA1_VS_FOXP3_AND_GATA1_TRANSDUCCI	GSE40274_GATA1_VS_FOXP3_AND_GATA1_TRANSDUCCI	51	0.29798433	1.0895752	0.34710744	0.87878287	1	1195 tags=33%, list=24%, signal=43%
GO_NEGATIVE_REGULATION_OF_VASCULATURE_DEVE	GO_NEGATIVE_REGULATION_OF_VASCULATURE_DEVE	37	0.3286236	1.0892129	0.34851485	0.87945896	1	1407 tags=41%, list=28%, signal=56%
GSE6259_FLT3L_INDUCED_DEC205_POS_DC_VS_CD4_T	GSE6259_FLT3L_INDUCED_DEC205_POS_DC_VS_CD4_T	25	0.33812737	1.0890695	0.34375	0.8795096	1	661 tags=24%, list=13%, signal=28%
CCAWYNNGAAR_UNKNOW	CCAWYNNGAAR_UNKNOW	32	0.29583508	1.0890577	0.30826599	0.87912506	1	683 tags=22%, list=14%, signal=25%
GO_MITOCHONDRIAL_PART	GO_MITOCHONDRIAL_PART	136	0.25334656	1.0889537	0.30645162	0.8790228	1	1342 tags=33%, list=27%, signal=44%
GO_ANDROGEN_METABOLIC_PROCESS	GO_ANDROGEN_METABOLIC_PROCESS	16	0.39322236	1.0889108	0.34879407	0.87874055	1	234 tags=13%, list=5%, signal=13%
CHR2Q24	CHR2Q24	16	0.38011825	1.0884899	0.34026465	0.87962294	1	917 tags=31%, list=18%, signal=38%
V5TITF1_Q3	V5TITF1_Q3	71	0.27139544	1.0884395	0.3250478	0.8793518	1	523 tags=17%, list=10%, signal=19%
MIKKELSEN_MEF_LCP_WITH_H3K4ME3	MIKKELSEN_MEF_LCP_WITH_H3K4ME3	44	0.35643706	1.0882813	0.36798337	0.8794231	1	1597 tags=48%, list=32%, signal=70%
GSE3039_CD4_TCELL_VS_B1_BCELL_UP	GSE3039_CD4_TCELL_VS_B1_BCELL_UP	60	0.2788851	1.0882348	0.30919766	0.8791567	1	1181 tags=35%, list=24%, signal=45%
GSE15750_WT_VS_TRAF6KO_DAV10_EFF_CD8_TCELL_D	GSE15750_WT_VS_TRAF6KO_DAV10_EFF_CD8_TCELL_D	61	0.28592625	1.0881175	0.3110687	0.8790635	1	988 tags=31%, list=20%, signal=38%
GO_SYNAPSE_ORGANIZATION	GO_SYNAPSE_ORGANIZATION	57	0.3153735	1.0879929	0.34570312	0.8790262	1	1483 tags=42%, list=30%, signal=59%
GSE13887_RESTING_VS_ACT_CD4_TCELL_DN	GSE13887_RESTING_VS_ACT_CD4_TCELL_DN	35	0.31222944	1.0878441	0.34836066	0.8790685	1	332 tags=14%, list=7%, signal=15%
GSE4984_LPS_VS_VEHICLE_CTRL_TREATED_DC_UP	GSE4984_LPS_VS_VEHICLE_CTRL_TREATED_DC_UP	45	0.31022488	1.0877842	0.3181818	0.8788322	1	567 tags=18%, list=11%, signal=20%
GSE29618_LAV_VS_TIV_FLU_VACCINE_DAV7_MONOCL	GSE29618_LAV_VS_TIV_FLU_VACCINE_DAV7_MONOCL	60	0.2879095	1.0875952	0.34095237	0.87901145	1	876 tags=25%, list=18%, signal=30%
GO_HEART_PROCESS	GO_HEART_PROCESS	28	0.32248288	1.0874789	0.3357271	0.87896204	1	1264 tags=39%, list=25%, signal=52%
GSE41867_NAIVE_VS_DAY8_LCMV_CLONEJ3_EFFECTOR	GSE41867_NAIVE_VS_DAY8_LCMV_CLONEJ3_EFFECTOR	33	0.30294353	1.0872296	0.31826743	0.8793244	1	1030 tags=27%, list=21%, signal=34%
GSE4535_BM_DERIVED_DC_VS_FOLLICULAR_DC_DN	GSE4535_BM_DERIVED_DC_VS_FOLLICULAR_DC_DN	60	0.27540088	1.0871427	0.31687242	0.87913996	1	995 tags=27%, list=20%, signal=33%
GSE13229_IMM_VS_INTIMATE_NKCELL_DN	GSE13229_IMM_VS_INTIMATE_NKCELL_DN	35	0.31380767	1.0871377	0.33535352	0.8787388	1	958 tags=26%, list=19%, signal=32%
GSE5679_CTRL_VS_PPARG_LIGAND_ROSILGLITAZONE_T	GSE5679_CTRL_VS_PPARG_LIGAND_ROSILGLITAZONE_T	44	0.3194115	1.0867708	0.32329318	0.879434	1	1013 tags=32%, list=20%, signal=40%
GSE9960_GRAM_NEG_VS_GRAM_POS_SEPSIS_PBMCD	GSE9960_GRAM_NEG_VS_GRAM_POS_SEPSIS_PBMCD	36	0.3369953	1.0867482	0.33404255	0.87903933	1	1609 tags=50%, list=32%, signal=73%
RIZK1_TUMOR_INVASIVENESS_3D_UP	RIZK1_TUMOR_INVASIVENESS_3D_UP	78	0.26751432	1.086675	0.33137256	0.87887794	1	891 tags=24%, list=18%, signal=29%
GO_SEGMENTATION	GO_SEGMENTATION	33	0.3223558	1.0865569	0.35357141	0.87881386	1	893 tags=30%, list=18%, signal=37%
GSE2770_UNTREATED_VS_ACT_CD4_TCELL_6H_DN	GSE2770_UNTREATED_VS_ACT_CD4_TCELL_6H_DN	45	0.2782447	1.0863572	0.3129771	0.8789765	1	1006 tags=33%, list=20%, signal=41%
GSE40274_CTRL_VS_FOXP3_AND_IRF4_TRANSDUCCI	GSE40274_CTRL_VS_FOXP3_AND_IRF4_TRANSDUCCI	43	0.29392534	1.0863001	0.32889733	0.87859607	1	1347 tags=42%, list=27%, signal=57%
GO_REGULATION_OF_VESICLE_MEDIATED_TRANSPORT	GO_REGULATION_OF_VESICLE_MEDIATED							



Table with 4 columns: Gene ID, Gene Name, P-value, Log2(FC), and Log10(P) with associated statistics. The table lists various genes such as GSE5099\_MONOCYTE\_VS\_ALTERNATIVE\_M2\_MACROPHAGE\_SENSORY\_PERCEPTION, GSE32423\_CTRL\_VS\_IL4\_MEMORY\_CD8\_TCELL\_UP, and many others, each with associated p-values and fold change values.

GO_EMBRYONIC_SKELETAL_SYSTEM_MORPHOGENESIS	GO_EMBRYONIC_SKELETAL	43	0.3224203	1.0680008	0.3829365	0.880552	1	1928	tags=56%, list=39%, signal=90%
GSE22935_WT_VS_MYD88_KO_MACROPHAGE_DN	GSE22935_WT_VS_MYD88_I	69	0.31921372	1.0679991	0.3943362	0.88016254	1	1886	tags=51%, list=38%, signal=80%
YAGL_AML_WITH_T_8_21_TRANSCRIPTION	YAGL_AML_WITH_T_8_21_T	93	0.28473005	1.0677685	0.36132812	0.8804574	1	913	tags=25%, list=18%, signal=30%
GSE3920_IFNB_VS_IFNG_TREATED_ENDOTHELIAL_CELL	GSE3920_IFNB_VS_IFNG_TR	62	0.27568346	1.0677195	0.37029704	0.88020605	1	1155	tags=32%, list=23%, signal=41%
GO_DETECTION_OF ABIOTIC STIMULUS	GO_DETECTION_OF ABIOTIC	33	0.3055396	1.0675768	0.37745973	0.8802558	1	928	tags=27%, list=19%, signal=33%
GSE45365_KL_CELL_VS_BCELL_MCMV_INFECTION_UP	GSE45365_KL_CELL_VS_BCI	58	0.30948994	1.0675002	0.38229376	0.8800993	1	1357	tags=36%, list=27%, signal=49%
GO_INOSITOL_LIPID_MEDIATED_SIGNALING	GO_INOSITOL_LIPID_MEDIA	42	0.31721961	1.0671757	0.37181997	0.88068885	1	226	tags=14%, list=5%, signal=15%
GSE11924_TFH_VS_TH1_CD4_TCELL_DN	GSE11924_TFH_VS_TH1_CD	41	0.29125395	1.0669388	0.36363637	0.8810036	1	758	tags=27%, list=15%, signal=31%
GO_REGULATION_OF CALCIUM ION TRANSPORT	GO_REGULATION_OF_CALC	77	0.29648966	1.0669079	0.37524557	0.88071156	1	1419	tags=38%, list=28%, signal=52%
GSE3982_EOSINOPHIL_VS_NEUTROPHIL_UP	GSE3982_EOSINOPHIL_VS_I	26	0.32830068	1.0666162	0.36575875	0.8811945	1	910	tags=31%, list=18%, signal=37%
GSE27786_CD8_TCELL_VS_NKTCCELL_UP	GSE27786_CD8_TCELL_VS_I	41	0.29135406	1.0664177	0.34716156	0.8814063	1	772	tags=24%, list=15%, signal=29%
GOBERT_OLGODENDROCYTE_DIFFERENTIATION_DN	GOBERT_OLGODENDROCY	293	0.23736133	1.0664161	0.35645473	0.88102186	1	1160	tags=30%, list=23%, signal=37%
GO_POSITIVE_REGULATION_OF_GROWTH	GO_POSITIVE_REGULATION	82	0.25758764	1.0663394	0.34758365	0.88066385	1	678	tags=18%, list=14%, signal=21%
GO_NEGATIVE_REGULATION_OF_EXTRINSIC_APOPTOSIS	GO_NEGATIVE_REGULATIO	38	0.30718324	1.0662377	0.38579655	0.88080704	1	919	tags=24%, list=18%, signal=29%
GO_PLATELET_ALPHA_GRANULE_LUMEN	GO_PLATELET_ALPHA_GRA	26	0.34893802	1.0659975	0.3826923	0.8811866	1	1482	tags=46%, list=30%, signal=65%
GSE2826_WT_VS_BTK_KO_BCELL_DN	GSE2826_WT_VS_BTK_KO_B	76	0.2727298	1.0659537	0.36023623	0.88085824	1	743	tags=20%, list=15%, signal=23%
HOFFMANN_IMMATURE_TO_MATURE_B_LYMPHOCYTE	HOFFMANN_IMMATURE_T	18	0.3550478	1.0658695	0.39503816	0.8807347	1	853	tags=33%, list=17%, signal=40%
GSE360_L_MAJOR_VS_T_GONDI_DN_UP	GSE360_L_MAJOR_VS_T_GC	73	0.25847542	1.0656322	0.34369287	0.8810363	1	1185	tags=33%, list=24%, signal=42%
GSE27786_LIN_NEG_VS_BCELL_DN	GSE27786_LIN_NEG_VS_BCI	33	0.34141138	1.065616	0.4037267	0.880696	1	1050	tags=36%, list=21%, signal=46%
GO_NEGATIVE_REGULATION_OF_INTRACELLULAR_TRANSPORT	GO_NEGATIVE_REGULATIO	39	0.33037284	1.0650536	0.3908524	0.8820242	1	1623	tags=46%, list=32%, signal=68%
GSE21546_UNSTIM_VS_ANTID_CD3_STIM_DP_THYMCY	GSE21546_UNSTIM_VS_ANI	62	0.29953647	1.0649778	0.39714867	0.88185924	1	856	tags=27%, list=17%, signal=33%
LEE_TARGETS_OF_PTC1H1_AND_SUFU_DN	LEE_TARGETS_OF_PTC1H1_A	37	0.29544428	1.0648922	0.36314848	0.8817157	1	1581	tags=49%, list=32%, signal=71%
GO_REGULATION_OF ANATOMICAL_STRUCTURE MORPHOGENESIS	GO_REGULATION_OF_ANAI	329	0.25202328	1.0648308	0.35632184	0.88151824	1	891	tags=22%, list=18%, signal=25%
VSPU1_Q6	VSPU1_Q6	57	0.29884237	1.0648277	0.36094674	0.8811369	1	690	tags=19%, list=14%, signal=22%
GSE2405_HEAT_KILLED_VS_LIVE_A_PHAGOCYTOPHILUS	GSE2405_HEAT_KILLED_VS_I	71	0.2811831	1.0647017	0.32495165	0.8811248	1	1252	tags=39%, list=25%, signal=53%
GSE23505_UNTREATED_VS_4DAY_IL6_IL1_TREATED_CD4	GSE23505_UNTREATED_VS_I	26	0.32848695	1.0645455	0.35643566	0.88118947	1	343	tags=15%, list=7%, signal=16%
GSE16266_LPS_VS_HEATSHOCK_AND_LPS_STIM_MEF_D	GSE16266_LPS_VS_HEATSH	38	0.31679404	1.0644748	0.36821705	0.8809914	1	922	tags=26%, list=18%, signal=32%
GO_POSITIVE_REGULATION_OF ACTIN FILAMENT BUNDLING	GO_POSITIVE_REGULATION	16	0.3494285	1.0639455	0.38492063	0.88218313	1	155	tags=13%, list=3%, signal=13%
GSE28783_ANTIMIR33_VS_CTRL_ATHEROSCLEROSIS_IV	GSE28783_ANTIMIR33_VS_I	72	0.2717231	1.0638765	0.36380255	0.8820004	1	766	tags=24%, list=15%, signal=27%
ZAMORA_NOS2_TARGETS_DN	ZAMORA_NOS2_TARGETS_I	19	0.3340798	1.0637381	0.38125	0.8820345	1	1589	tags=53%, list=32%, signal=77%
PTEN_DN_V1_UP	PTEN_DN_V1_UP	105	0.27272514	1.0635911	0.36842105	0.88205105	1	1380	tags=32%, list=28%, signal=44%
GO_CELLULAR_HOMEOSTASIS	GO_CELLULAR_HOMEOSTA	231	0.24308537	1.0635409	0.35305342	0.88182235	1	940	tags=21%, list=19%, signal=24%
GSE11961_MARGINAL_ZONE_BCELL_VS_GERMINAL_CENT	GSE11961_MARGINAL_ZONE	52	0.27825716	1.063337	0.35714287	0.882057	1	692	tags=23%, list=14%, signal=27%
GO_REGULATION_OF ALCOHOL BIOSYNTHETIC PROCESSES	GO_REGULATION_OF_ALCO	21	0.3405492	1.0632116	0.37356323	0.88205343	1	951	tags=33%, list=19%, signal=41%
GO_POSITIVE_REGULATION_OF NEURON DIFFERENTIATION	GO_POSITIVE_REGULATION	110	0.26846623	1.0630372	0.3555133	0.8821647	1	1545	tags=40%, list=31%, signal=57%
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPID	GARGALOVIC_RESPONSE_T	20	0.39453894	1.0630226	0.40304184	0.88183415	1	682	tags=30%, list=14%, signal=35%
GO_NEGATIVE_REGULATION_OF PROTEIN SECRETION	GO_NEGATIVE_REGULATIO	44	0.32848262	1.0630221	0.398773	0.88144994	1	357	tags=18%, list=7%, signal=19%
GSE7460_CTRL_VS_TGBF_TREATED_ACT_FOXP3_HET_T	GSE7460_CTRL_VS_TGBF_TR	58	0.28713724	1.062906	0.36078432	0.88140076	1	883	tags=26%, list=18%, signal=31%
GSE3982_MAST_CELL_VS_BCELL_UP	GSE3982_MAST_CELL_VS_BI	80	0.26767802	1.0628449	0.34249085	0.88118523	1	1327	tags=35%, list=27%, signal=47%
GSE36078_UNTREATED_VS_4DS_T425A_HEXON_INF_M	GSE36078_UNTREATED_VS_I	47	0.28396466	1.0627661	0.36711282	0.8810412	1	1006	tags=30%, list=20%, signal=37%
GSE41867_DAY8_VS_DAY15_LCMV_CLONE13_EFFECT	GSE41867_DAY8_VS_DAY15	34	0.32952917	1.0625781	0.40873015	0.88120383	1	1137	tags=35%, list=23%, signal=45%
CONCANNON_APOPTOSIS_BY_EPOXOMICIN_UP	CONCANNON_APOPTOSIS_I	70	0.28579333	1.0624801	0.37689394	0.88109297	1	942	tags=24%, list=19%, signal=30%
GO_RESPONSE_TO CARBOHYDRATE	GO_RESPONSE_TO CARBOH	59	0.296775	1.0623261	0.3629764	0.8811714	1	1384	tags=41%, list=28%, signal=56%
BROWN_MYELOID_CELL_DEVELOPMENT_DN	BROWN_MYELOID_CELL_DE	40	0.2962726	1.0622674	0.3719626	0.8809712	1	891	tags=30%, list=18%, signal=36%
GSE21379_WT_VS_SAP_KO_TFH_CD4_TCELL_UP	GSE21379_WT_VS_SAP_KO	66	0.27736356	1.0621276	0.37306842	0.88100225	1	297	tags=14%, list=6%, signal=14%
GO_MONOOXYGENASE ACTIVITY	GO_MONOOXYGENASE_AC	41	0.3267585	1.0621021	0.3889943	0.8807089	1	1061	tags=29%, list=21%, signal=37%
GSE24142_ADULT_VS_FETAL_DN_THYMCYTOID_DN	GSE24142_ADULT_VS_FETAI	73	0.2686571	1.0620459	0.3420523	0.88050115	1	1031	tags=27%, list=21%, signal=34%
GO_HYDROLASE ACTIVITY ACTING ON ESTER BONDS	GO_HYDROLASE_ACTIVIT	171	0.23251843	1.0620016	0.3224568	0.8802691	1	703	tags=17%, list=14%, signal=19%
GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LIN	GSE16450_IMMATURE_VS_I	65	0.2585927	1.0620015	0.34615386	0.8798555	1	694	tags=18%, list=14%, signal=21%
TOKNS_TARGETS_OF RUNX1 RUNX1_T FUSION_SUSTA	TOKNS_TARGETS_OF RUNX1	27	0.3452366	1.0619488	0.3716981	0.8796728	1	1243	tags=33%, list=25%, signal=44%
GO_RESPONSE_TO AXON INJURY	GO_RESPONSE_TO AXON_I	21	0.364722	1.061867	0.40079364	0.8795453	1	1869	tags=52%, list=37%, signal=83%
GSE45365_BCELL_VS_CD8_TCELL_DN	GSE45365_BCELL_VS_CD8_T	53	0.29326394	1.0616624	0.3624031	0.8797506	1	1207	tags=32%, list=24%, signal=42%
GO_NEURON PROJECTION	GO_NEURON_PROJECTION	294	0.33444024	1.0616505	0.3537906	0.87941074	1	1030	tags=23%, list=21%, signal=28%
DELAEROX_RAR_TARGETS_UP	DELAEROX_RAR_TARGETS_I	23	0.3479908	1.0616343	0.40243903	0.8796486	1	503	tags=17%, list=10%, signal=19%
GSE32986_UNSTIM_VS_GMCSF_AND_CURDLAN_HIGH	GSE32986_UNSTIM_VS_GM	34	0.33880916	1.0615153	0.37627813	0.8790271	1	1347	tags=38%, list=27%, signal=52%
BILD_E2F3_ONCOGENIC_SIGNATURE	BILD_E2F3_ONCOGENIC_SK	87	0.27370116	1.0614998	0.36938775	0.8786874	1	1298	tags=39%, list=26%, signal=52%
GSE13522_CTRL_VS_T_CRUZI_G_STRAIN_INF_SKIN_DN	GSE13522_CTRL_VS_T_CRU	42	0.3299969	1.061304	0.39	0.87891155	1	1299	tags=33%, list=26%, signal=45%
GO_DIGESTIVE TRACT MORPHOGENESIS	GO_DIGESTIVE_TRACT_MOF	22	0.34120414	1.0612612	0.392	0.8786532	1	876	tags=36%, list=18%, signal=44%
PANGAS_TUMOR_SUPPRESSION_BY_SMA_D1 AND SMA	PANGAS_TUMOR_SUPPRESS	42	0.29214045	1.0612483	0.32695985	0.8783221	1	1556	tags=40%, list=31%, signal=58%
GO_POSITIVE_REGULATION_OF LEUKOCYTE DIFFERENT	GO_POSITIVE_REGULATION	49	0.344258	1.0612475	0.40159047	0.8779434	1	882	tags=22%, list=18%, signal=27%
GSE22935_UNSTIM_VS_48H_MBOVIS_BCG_STIM_MACR	GSE22935_UNSTIM_VS_48H	48	0.29118237	1.0612322	0.38771594	0.8776018	1	781	tags=27%, list=16%, signal=32%
GO_POSITIVE_REGULATION_OF AUTOPHAGY	GO_POSITIVE_REGULATION	16	0.38303426	1.0609108	0.4	0.87819815	1	765	tags=31%, list=15%, signal=37%
NABA_COLLAGENS	NABA_COLLAGENS	27	0.40425763	1.0608749	0.41346154	0.87791723	1	1218	tags=48%, list=24%, signal=63%
VSSRF_Q5_Q1	VSSRF_Q5_Q1	72	0.28425562	1.0608644	0.38140416	0.8775644	1	1264	tags=38%, list=25%, signal=49%
GO_REGULATION_OF CATION TRANSMEMBRANE TRAI	GO_REGULATION_OF_CATK	75	0.27312475	1.0604922	0.358047	0.8782494	1	1025	tags=31%, list=21%, signal=38%
KOYAMA_SEMA3B_TARGETS_UP	KOYAMA_SEMA3B_TARGET	101	0.2537737	1.0604483	0.34368932	0.87789804	1	687	tags=20%, list=14%, signal=22%
VSHNF4ALPHA_Q6	VSHNF4ALPHA_Q6	72	0.2688078	1.0604485	0.38018018	0.8776252	1	1287	tags=33%, list=26%, signal=44%
GO_DEVELOPMENT_OF PRIMARY SEXUAL CHARACTER	GO_DEVELOPMENT_OF_PRI	88	0.2569883	1.0602195	0.36607143	0.8779485	1	853	tags=24%, list=17%, signal=28%
GSE17974_OH_VS_24H_IN_VITRO_ACT_CD4_TCELL_UP	GSE17974_OH_VS_24H_IN_V	63	0.3058977	1.0602027	0.39256197	0.8776197	1	1462	tags=35%, list=29%, signal=49%
GSE5589_IL6_KO_VS_IL10_IL6_KO_LPS_AND_IL10_STIM	GSE5589_IL6_KO_VS_IL10_K	50	0.2948731	1.0598711	0.36914062	0.8782332	1	1218	tags=34%, list=24%, signal=45%
GSE43955_5TH_VS_TGBF_IL6_TH17_ACT_CD4_TCELL_I	GSE43955_5TH_VS_TGBF_I	56	0.28481492	1.0597848	0.37598425	0.87809175	1	822	tags=23%, list=16%, signal=27%
GO_WOUND_HEALING	GO_WOUND_HEALING	165	0.26203352	1.0597576	0.39087301	0.8777873	1	942	tags=22%, list=19%, signal=27%
ATCTGCG_MIR-103_MIR-107	ATCTGCG_MIR-103_MIR-107	55	0.29063064	1.0597265	0.3668639	0.87749183	1	1392	tags=35%, list=28%, signal=47%
ACCTGTTG_UNKNOWN	ACCTGTTG_UNKNOWN	47	0.28734553	1.0594558	0.35948905	0.8779167	1	448	tags=17%, list=9%, signal=19%
CHEN_LIVER_METABOLISM_QTL_CIS	CHEN_LIVER_METABOLISM	29	0.3250708	1.0593417	0.37598425	0.8778643	1	610	tags=21%, list=12%, signal=23%
AMIT_SERUM_RESPONSE_60_MCF10A	AMIT_SERUM_RESPONSE_6	31	0.3516657	1.0593083	0.36897275	0.8775741	1	1460	tags=48%, list=29%, signal=68%
GO_PROTEIN_N_LINKED_GLYCOSYLATION	GO_PROTEIN_N_LINKED_GL	19	0.35563943	1.0592585	0.38563326	0.8773255	1	1318	tags=37%, list=26%, signal=50%
GSE2770_UNTREATED_VS_ACT_CD4_TCELL_6H_UP	GSE2770_UNTREATED_VS_I	38	0.30107978	1.0592158	0.37625754	0.8770786	1	1165	tags=34%, list=23%, signal=44%
GO_POSITIVE_REGULATION_OF CELL COMMUNICATIO	GO_POSITIVE_REGULATION	498	0.24074632	1.0591602	0.38490567	0.87687165	1	919	tags=21%, list=18%, signal=23%
GO_ENZYME_REGULATOR ACTIVITY	GO_ENZYME_REGULATOR_I	258	0.23017459	1.0590876	0.34082398	0.87671566	1	964	tags=22%, list=19%, signal=26%
ZHAN_LATE_DIFFERENTIATION_GENES_UP	ZHAN_LATE_DIFFERENTIATI	19	0.40371442	1.0589287	0.41633466	0.8767738	1	1306	tags=37%, list=26%, signal=50%
KIM_ALL_DISORDERS_OLIGODENDROCYTE_NUMBER_C	KIM_ALL_DISORDERS_OLIG	149	0.25095636	1.058805	0.33514494	0.876747	1	906	tags=24%, list=18%, signal=29%
BROWNE_HCMV_INFECTION_18HR_DN	BROWNE_HCMV_INFECTIO	60	0.32387593	1.058791	0.38735178	0.8764061	1	1735	tags=52%, list=35%, signal=78%
GO_REGULATION_OF HOMEOSTATIC PROCESS	GO_REGULATION_OF_HOM	156	0.2525271	1.0587593	0.36142322	0.87621146	1	1461	tags=33%, list=29%, signal=46%
GO_SMALL_MOLECULE_CATABOLIC_PROCESS	GO_SMALL_MOLECULE_CA1	100	0.2587633	1.058568	0.3515901	0.8763265	1	845	tags=22%, list=17%, signal=26%
GO_ATPASE_COUPLED_ION_TRANSMEMBRANE_TRAN	GO_ATPASE_COUPLED_ION	19	0.3680955	1.0585264	0.41165048	0.8760749	1	944	tags=37%, list=19%, signal=45%
RAY_TUMORIGENESIS_BY_ERB_B2_CD25A_DN	RAY_TUMORIGENESIS_BY_E	55	0.3050324	1.0584872	0.38623327	0.87580794	1	1469	tags=42%, list=29%, signal=59%
HALLMARK_FATTY_ACID_METABOLISM	HALLMARK_FATTY_ACID_M	49	0.3188707	1.0584503	0.37574553	0.87554705	1	1533	tags=45%, list=31%, signal=64%
REACTOME_COLLAGEN_FORMATION	REACTOME_COLLAGEN_FOI	32	0.39180163	1.0581602	0.42213884	0.8760181	1	1615	tags=56%, list=32%, signal=83%
CHYLA_CBA2T3_TARGETS_DN	CHYLA_CBA2T3_TARGETS_I	8							

Table with 11 columns: Gene Symbol, Gene Name, FC, Log P, P-adj, Cor, and Tag Statistics. Rows include GO\_GTPASE\_ACTIVITY, GSE17974\_1\_5H\_VS\_72H\_IL12\_ACT\_CD4, GO\_NEUROTRANSMITTER\_RECEPTOR\_ACTIVITY, GSE22611\_NOD2\_TRANS\_DVS\_CTRL\_TRANS\_DV\_KEK293, GO\_DVVALENT\_INORGANIC\_CATION\_HOMEOSTASIS, LEIN\_MEDULLA\_MARKERS, GO\_ENDOMEMBRANE\_SYSTEM\_ORGANIZATION, GO\_NEGATIVE\_REGULATION\_OF\_CYTOPLASMIC\_TRANS\_MODULE\_55, BERTUCCI\_INVASIVE\_CARCINOMA\_DUCTAL\_VS\_LOBULI, GSE15659\_NAIVE\_CD4\_TCELL\_VS\_RESTING\_TREG\_DN, GO\_SITE\_OF\_POLARIZED\_GROWTH, ACTGCCT\_MIR\_34B, GO\_PPTIDE\_RECEPTOR\_ACTIVITY, NAKAMURA\_ADIPOGENESIS\_LATE\_UP, REACTOME\_HS\_GAG\_BIOSYNTHESIS, GO\_HEMATOPOIETIC\_PROGENITOR\_CELL\_DIFFERENTIA, GO\_REGULATION\_OF\_POTASSIUM\_ION\_TRANSPORT, GSE17721\_CTRL\_VS\_POLYIC\_0\_5H\_BMDC\_UP, MODULE\_192, GO\_RESPONSE\_TO\_GLUCAGON, GSE7768\_OVA\_WITH\_LPS\_VS\_OVA\_WITH\_MPL\_MMUN, BROWNE\_HCMV\_INFECTION\_2HR\_UP, VSDR1\_Q3, REN\_ALVEOLAR\_RHABDOMYOSARCOMA\_DN, GO\_REGULATION\_OF\_MITOCHONDRIAL\_MEMBRANE\_P, GSE3203\_INFLUENZA\_INF\_VS\_IFNB\_TREATED\_LN\_BCELL, VSAREB6\_Q1, GSE21379\_TFH\_VS\_NON\_TFH\_CD4\_TCELL\_DN, WEI\_MIR34A\_TARGETS, GO\_NEGATIVE\_REGULATION\_OF\_TRANSMEMBRANE\_RE, NABA\_ECM\_REGULATORS, MODULE\_512, GSE37605\_NOD\_VS\_C57BL6\_ILRES\_GFP\_TREG\_UP, CHRI17Q21, GSE40277\_GATA1\_AND\_SATB1\_TRANSDUCED\_VS\_CTRL, GO\_CELLULAR\_RESPONSE\_TO\_STEROID\_HORMONE\_STI, GO\_REGULATION\_OF\_ACTIN\_FILAMENT\_BUNDLE\_ASSEI, GO\_POSITIVE\_REGULATION\_OF\_CELLULAR\_COMPONENT, GSE6259\_33D1\_POS\_VS\_DEC205\_CD8\_UP, GSE40685\_NAIVE\_CD4\_TCELL\_VS\_TREG\_DN, HALLMARK\_COAGULATION, MORF\_JAG1, GO\_POSITIVE\_REGULATION\_OF\_NUCLEOCYTOPLASMIC, GSE360\_CTRL\_VS\_M\_TUBERCULOSIS\_DC\_UP, VSF0X01\_Q1, GSE42021\_CD24HL\_VS\_CD24HT\_TCONV\_THYMUS\_UP, GSE18804\_SPLEEN\_MACROPHAGE\_VS\_BRAIN\_TUMORA, GSE29617\_CTRL\_VS\_TIV\_FLU, GSE360\_1\_DONOVANI\_VS\_1, GSE3203\_HEALTHY\_VS\_INFLUENZA\_INFECTED\_LN\_BCEL, CHR2Q33, ZHANG\_TARGETS\_OF\_EWSR1\_FLI1\_FUSION, RCGCANGCY\_VSNRF1\_Q6, GSE37301\_LYMPHOID\_PRIMED\_MPP\_VS\_PRO\_BCELL\_DT, DAVICIONI\_MOLECULAR\_ARMIS\_VS\_ERMS\_DN, GSE9316\_CD4\_TCELL\_BALBC\_VS\_TH17\_ERLNC\_CD4\_TCELL, GO\_POSITIVE\_REGULATION\_OF\_PATHWAY\_RESTRICTED, GO\_APICAL\_PLASMA\_MEMBRANE, GO\_FAT\_CELL\_DIFFERENTIATION, GSE34515\_CD16\_NEG\_VS\_POS\_MONOCYTE\_UP, BURTON\_ADIPOGENESIS\_7, GSE32986\_UNSTIM\_VS\_CURDLAN\_HIGHDOSE\_STIM\_DC, VSHNF1\_C, GSE16697\_CD4\_TCELL\_VS\_TFH\_CD4\_TCELL\_UP, MODULE\_94, GO\_LAMELLIPODIUM, VSLBP1\_Q6, VSALPHACP1\_Q1, GSE7460\_CTRL\_VS\_TGFB\_TREATED\_ACT\_TCONV\_DN, GO\_MBRANE\_REGION, GSE35825\_UNTREATED\_VS\_IFNG\_STIM\_MACROPHAGE, CTTTGA\_MIR\_527, GO\_NEGATIVE\_REGULATION\_OF\_TRANSPORT, GO\_NEGATIVE\_REGULATION\_OF\_SECRETION, ODONNELL\_TFR3\_TARGETS\_UP, GO\_AMINO\_ACID\_BINDING, GSE37532\_VISCERAL\_ADIPOSE\_TISSUE\_VS\_LN\_DERIVED, GSE17721\_CPG\_VS\_GARDIC, GO\_NUCLEOBASE\_CONTAINING\_COMPOUND\_TRANSP, VERHAAK\_GLIOLASTOMA\_CLASSICAL, VSNX25\_Q1, GSE36476\_YOUNG\_VS\_OLD\_DONOR\_MEMORY\_CD4\_TC, GO\_OXIDOREDUCTASE\_ACTIVITY\_ACTING\_ON\_THE\_CH, GO\_NEURON\_DIFFERENTIATION, MIKKELSEN\_MCV6\_HCP\_WITH\_H3K27ME3, CTTGAGCC\_MIR\_24, MODULE\_99, GO\_APICAL\_PART\_OF\_CELL, GSE9960\_HEALTHY\_VS\_GRAM\_NEG\_SEPSIS\_PBMUC\_UP, GSE14308\_TH1\_VS\_TH17\_DN, CHESLER\_BRAIN\_QTL\_CIS, GO\_CORE\_PROMOTER\_SEQUENCE\_SPECIFIC\_DNA\_BIN, MORF\_RBPB8, MTOR\_UP\_V1\_DN, GSE25123\_CTRL\_VS\_IL4\_STIM\_MACROPHAGE\_DN, GSE21546\_SAPIA\_KO\_VS\_SAPIA\_KO\_AND\_ELK1\_KO\_DP, CSR\_LATE\_UP\_V1\_DN, GO\_DIGESTIVE\_SYSTEM\_DEVELOPMENT, VSAHR\_Q5, GSE3720\_VD1\_VS\_VD2\_GAMMADelta\_TCELL\_WITH\_LP, MORF\_BCL2, VSLYF1\_Q1, GSE17721\_LPS\_VS\_PAM3CSK4\_8H\_BMDC\_UP, TIEN\_INTESTINE\_PROBIOTICS\_2HR\_DN, GSE2198\_NK\_VS\_NK\_ACT\_EXPANSION\_SYSTEM\_DERIV, GSE14769\_40MIN\_VS\_360MIN\_LPS\_BMDM\_DN, GSE17974\_1\_5H\_VS\_72H\_IL12\_ACT\_CD4, GO\_NEUROTRANSMITTER\_RECEPTOR\_ACTIVITY, GSE22611\_NOD2\_TRANS\_DVS\_CTRL\_TRANS\_DV\_KEK293, GO\_DVVALENT\_INORGANIC\_CATION\_HOMEOSTASIS, LEIN\_MEDULLA\_MARKERS, GO\_ENDOMEMBRANE\_SYSTEM\_ORGANIZATION, GO\_NEGATIVE\_REGULATION\_OF\_CYTOPLASMIC\_TRANS\_MODULE\_55, BERTUCCI\_INVASIVE\_CARCINOMA\_DUCTAL\_VS\_LOBULI, GSE15659\_NAIVE\_CD4\_TCELL\_VS\_RESTING\_TREG\_DN, GO\_SITE\_OF\_POLARIZED\_GROWTH, ACTGCCT\_MIR\_34B, GO\_PPTIDE\_RECEPTOR\_ACTIVITY, NAKAMURA\_ADIPOGENESIS\_LATE\_UP, REACTOME\_HS\_GAG\_BIOSYNTHESIS, GO\_HEMATOPOIETIC\_PROGENITOR\_CELL\_DIFFERENTIA, GO\_REGULATION\_OF\_POTASSIUM\_ION\_TRANSPORT, GSE17721\_CTRL\_VS\_POLYIC\_0\_5H\_BMDC\_UP, MODULE\_192, GO\_RESPONSE\_TO\_GLUCAGON, GSE7768\_OVA\_WITH\_LPS\_VS\_OVA\_WITH\_MPL\_MMUN, BROWNE\_HCMV\_INFECTION\_2HR\_UP, VSDR1\_Q3, REN\_ALVEOLAR\_RHABDOMYOSARCOMA\_DN, GO\_REGULATION\_OF\_MITOCHONDRIAL\_MEMBRANE\_P, GSE3203\_INFLUENZA\_INF\_VS\_IFNB\_TREATED\_LN\_BCELL, VSAREB6\_Q1, GSE21379\_TFH\_VS\_NON\_TFH\_CD4\_TCELL\_DN, WEI\_MIR34A\_TARGETS, GO\_NEGATIVE\_REGULATION\_OF\_TRANSMEMBRANE\_RE, NABA\_ECM\_REGULATORS, MODULE\_512, GSE37605\_NOD\_VS\_C57BL6\_ILRES\_GFP\_TREG\_UP, CHRI17Q21, GSE40277\_GATA1\_AND\_SATB1\_TRANSDUCED\_VS\_CTRL, GO\_CELLULAR\_RESPONSE\_TO\_STEROID\_HORMONE\_STI, GO\_REGULATION\_OF\_ACTIN\_FILAMENT\_BUNDLE\_ASSEI, GO\_POSITIVE\_REGULATION\_OF\_CELLULAR\_COMPONENT, GSE6259\_33D1\_POS\_VS\_DEC205\_CD8\_UP, GSE40685\_NAIVE\_CD4\_TCELL\_VS\_TREG\_DN, HALLMARK\_COAGULATION, MORF\_JAG1, GO\_POSITIVE\_REGULATION\_OF\_NUCLEOCYTOPLASMIC, GSE360\_CTRL\_VS\_M\_TUBERCULOSIS\_DC\_UP, VSF0X01\_Q1, GSE42021\_CD24HL\_VS\_CD24HT\_TCONV\_THYMUS\_UP, GSE18804\_SPLEEN\_MACROPHAGE\_VS\_BRAIN\_TUMORA, GSE29617\_CTRL\_VS\_TIV\_FLU, GSE360\_1\_DONOVANI\_VS\_1, GSE3203\_HEALTHY\_VS\_INFLUENZA\_INFECTED\_LN\_BCEL, CHR2Q33, ZHANG\_TARGETS\_OF\_EWSR1\_FLI1\_FUSION, RCGCANGCY\_VSNRF1\_Q6, GSE37301\_LYMPHOID\_PRIMED\_MPP\_VS\_PRO\_BCELL\_DT, DAVICIONI\_MOLECULAR\_ARMIS\_VS\_ERMS\_DN, GSE9316\_CD4\_TCELL\_BALBC\_VS\_TH17\_ERLNC\_CD4\_TCELL, GO\_POSITIVE\_REGULATION\_OF\_PATHWAY\_RESTRICTED, GO\_APICAL\_PLASMA\_MEMBRANE, GO\_FAT\_CELL\_DIFFERENTIATION, GSE34515\_CD16\_NEG\_VS\_POS\_MONOCYTE\_UP, BURTON\_ADIPOGENESIS\_7, GSE32986\_UNSTIM\_VS\_CURDLAN\_HIGHDOSE\_STIM\_DC, VSHNF1\_C, GSE16697\_CD4\_TCELL\_VS\_TFH\_CD4\_TCELL\_UP, MODULE\_94, GO\_LAMELLIPODIUM, VSLBP1\_Q6, VSALPHACP1\_Q1, GSE7460\_CTRL\_VS\_TGFB\_TREATED\_ACT\_TCONV\_DN, GO\_MBRANE\_REGION, GSE35825\_UNTREATED\_VS\_IFNG\_STIM\_MACROPHAGE, CTTTGA\_MIR\_527, GO\_NEGATIVE\_REGULATION\_OF\_TRANSPORT, GO\_NEGATIVE\_REGULATION\_OF\_SECRETION, ODONNELL\_TFR3\_TARGETS\_UP, GO\_AMINO\_ACID\_BINDING, GSE37532\_VISCERAL\_ADIPOSE\_TISSUE\_VS\_LN\_DERIVED, GSE17721\_CPG\_VS\_GARDIC, GO\_NUCLEOBASE\_CONTAINING\_COMPOUND\_TRANSP, VERHAAK\_GLIOLASTOMA\_CLASSICAL, VSNX25\_Q1, GSE36476\_YOUNG\_VS\_OLD\_DONOR\_MEMORY\_CD4\_TC, GO\_OXIDOREDUCTASE\_ACTIVITY\_ACTING\_ON\_THE\_CH, GO\_NEURON\_DIFFERENTIATION, MIKKELSEN\_MCV6\_HCP\_WITH\_H3K27ME3, CTTGAGCC\_MIR\_24, MODULE\_99, GO\_APICAL\_PART\_OF\_CELL, GSE9960\_HEALTHY\_VS\_GRAM\_NEG\_SEPSIS\_PBMUC\_UP, GSE14308\_TH1\_VS\_TH17\_DN, CHESLER\_BRAIN\_QTL\_CIS, GO\_CORE\_PROMOTER\_SEQUENCE\_SPECIFIC\_DNA\_BIN, MORF\_RBPB8, MTOR\_UP\_V1\_DN, GSE25123\_CTRL\_VS\_IL4\_STIM\_MACROPHAGE\_DN, GSE21546\_SAPIA\_KO\_VS\_SAPIA\_KO\_AND\_ELK1\_KO\_DP, CSR\_LATE\_UP\_V1\_DN, GO\_DIGESTIVE\_SYSTEM\_DEVELOPMENT, VSAHR\_Q5, GSE3720\_VD1\_VS\_VD2\_GAMMADelta\_TCELL\_WITH\_LP, MORF\_BCL2, VSLYF1\_Q1, GSE17721\_LPS\_VS\_PAM3CSK4\_8H\_BMDC\_UP, TIEN\_INTESTINE\_PROBIOTICS\_2HR\_DN, GSE2198\_NK\_VS\_NK\_ACT\_EXPANSION\_SYSTEM\_DERIV, GSE14769\_40MIN\_VS\_360MIN\_LPS\_BMDM\_DN, 57 2.6865658 1.0560114 0.36679536 0.8753382 1 974 tags=23%, list=19%, signal=28%

YGACNNYACAR_UNKNOWN	YGACNNYACAR_UNKNOW	24	0.33556816	1.0435439	0.40405905	0.87273383	1	1884	tags=50%, list=38%, signal=80%
GO_AMIDE_BINDING	GO_AMIDE_BINDING	79	0.26212797	1.0433588	0.4048583	0.87292135	1	330	tags=14%, list=7%, signal=15%
HSIAO_HOUSEKEEPING_GENES	HSIAO_HOUSEKEEPING_GE	41	0.29834667	1.0433187	0.40796965	0.87267772	1	573	tags=24%, list=11%, signal=27%
GO_PURINE_CONTAINING_COMPOUND_BIOSYNTHEtic	GO_PURINE_CONTAINING_I	33	0.29921712	1.0433129	0.3888889	0.87233627	1	580	tags=18%, list=12%, signal=20%
V5CDP_01	V5CDP_01	35	0.3075788	1.0430671	0.40943396	0.8726907	1	1434	tags=31%, list=29%, signal=44%
GO_TRANSFERASE_ACTIVITY_TRANSFERING_ACYL_GRI	GO_TRANSFERASE_ACTIVIT	52	0.28468969	1.0428061	0.38003838	0.8731238	1	1444	tags=40%, list=29%, signal=56%
MULLIGHAN_NPM1_MUTATED_SIGNATURE_2_UP	MULLIGHAN_NPM1_MUTA'	32	0.31475228	1.0427095	0.3906542	0.87304896	1	1380	tags=47%, list=28%, signal=64%
G5E17721_POLYIC_VS_GARDIQUIMOD_12H_BMCD_UP	G5E17721_POLYIC_VS_GARI	52	0.29654444	1.0426999	0.38206628	0.87272054	1	555	tags=17%, list=11%, signal=19%
G5E2770_IL12_AND_TGFB_VS_IL14_TREATED_ACT_CD4_T	G5E2770_IL12_AND_TGFB_V	48	0.3080142	1.0423716	0.41199225	0.87337392	1	445	tags=17%, list=9%, signal=18%
RODRIGUES_THYROID_CAR_CESTINOM	RODRIGUES_THYROID_CAR	28	0.3224884	1.04236	0.39321357	0.8730553	1	940	tags=32%, list=19%, signal=39%
G5E26030_UNSTIM_VS_REC_TM17_DAY15_POST_PO	G5E26030_UNSTIM_VS_RE	47	0.2849715	1.0422908	0.39664805	0.8729198	1	946	tags=23%, list=19%, signal=29%
G5E13411_IJM_VS_SWITCHED_MEMORY_BCELL_UP	G5E13411_IJM_VS_SWITCH	62	0.2720252	1.0422843	0.3868472	0.87258303	1	822	tags=27%, list=16%, signal=32%
GO_SKELETAL_SYSTEM_MORPHOGENESIS	GO_SKELETAL_SYSTEM_MO	82	0.28541374	1.0420347	0.4028056	0.8729591	1	1823	tags=49%, list=36%, signal=76%
G5E46606_IRF4MD_IL5_DAY1_STIM	G5E46606_IRF4MD_IL5_WT	37	0.3023353	1.0416971	0.3665254	0.8735913	1	878	tags=32%, list=18%, signal=39%
GO_REGULATION_OF_PATHWAY_RESTRICTED_SMAD_PI	GO_REGULATION_OF_PATH	18	0.36482733	1.0416614	0.39353612	0.87333995	1	770	tags=33%, list=15%, signal=39%
G5E18893_TCONV_VS_TREG_2H_TNF_STIM_DN	G5E18893_TCONV_VS_TRE	46	0.32167202	1.0416545	0.42330098	0.8730082	1	801	tags=22%, list=16%, signal=26%
V5E4BP4_01	V5E4BP4_01	60	0.2824162	1.0413139	0.37804878	0.87360793	1	1433	tags=38%, list=29%, signal=54%
G5E360_DC_VS_MAC_T_GONDI_UP	G5E360_DC_VS_MAC_T_GO	79	0.27355847	1.0411855	0.39803922	0.87362576	1	1391	tags=39%, list=28%, signal=53%
GO_ESTABLISHMENT_OF_LOCALIZATION_IN_CELL	GO_ESTABLISHMENT_OF_L	283	0.21307776	1.041174	0.3480663	0.87330574	1	923	tags=22%, list=18%, signal=25%
KHETCHOUMIAN_TRIM24_TARGETS_UP	KHETCHOUMIAN_TRIM24_I	30	0.32644623	1.0409441	0.40078586	0.8736207	1	1381	tags=33%, list=28%, signal=46%
G5E42021_CD24INT_TREG_VS_CD24INT_TCONV_THYMI	G5E42021_CD24INT_TREG_I	60	0.27107227	1.0409198	0.37642586	0.8733349	1	1228	tags=33%, list=25%, signal=44%
G5E20198_IL12_IL18_TREATED_ACT_CD4_TCELL	G5E20198_IL12_IL18_T	34	0.3230298	1.0406492	0.42004263	0.8737907	1	744	tags=24%, list=21%, signal=27%
GO_REGULATION_OF_CHONDROCYTE_DIFFERENTIATIO	GO_REGULATION_OF_CHOI	23	0.3622717	1.0405121	0.4186508	0.8738352	1	1711	tags=48%, list=34%, signal=72%
GO_REGULATION_OF_AUTOPHAGY	GO_REGULATION_OF_AUTC	51	0.26498708	1.0401863	0.39257812	0.8744255	1	951	tags=27%, list=19%, signal=34%
G5E2706_LPS_VS_R848_AND_LPS_2TH_STIM_DC_UP	G5E2706_LPS_VS_R848_ANI	50	0.28119418	1.0401175	0.39243028	0.8742844	1	731	tags=22%, list=15%, signal=18%
ZHANG_ANTIVIRAL_RESPONSE_TO_RIBAVIRIN_DN	ZHANG_ANTIVIRAL_RESPO	24	0.37558833	1.0397156	0.45213848	0.8750362	1	299	tags=17%, list=6%, signal=12%
G5E20366_CD103_POS_VS_CD103_KLRG1_DP_TREG_UP	G5E20366_CD103_POS_VS_I	51	0.26543796	1.0396866	0.36798337	0.8747739	1	454	tags=16%, list=9%, signal=17%
MORF_FLT1	MORF_FLT1	36	0.28499213	1.0395765	0.39411765	0.87474453	1	1032	tags=22%, list=21%, signal=28%
V5OCT1_07	V5OCT1_07	69	0.2629281	1.039526	0.40039062	0.8745243	1	1366	tags=39%, list=27%, signal=53%
GO_REGULATION_OF_NEURON_DEATH	GO_REGULATION_OF_NEUF	79	0.25231013	1.0390387	0.3824092	0.8755691	1	304	tags=10%, list=6%, signal=11%
GO_RAS_PROTEIN_SIGNAL_TRANSDUCTION	GO_RAS_PROTEIN_SIGNAL	40	0.27646506	1.03898	0.398	0.8753779	1	941	tags=28%, list=19%, signal=34%
GO_PLATELET_ACTIVATION	GO_PLATELET_ACTIVATION	41	0.32166233	1.0387579	0.42276424	0.8756716	1	942	tags=27%, list=19%, signal=33%
REACTOME_NCAM_SIGNALING_FOR_NEURITE_OUT_GR	REACTOME_NCAM_SIGNAL	19	0.3880807	1.0386641	0.4269006	0.87558895	1	1326	tags=58%, list=27%, signal=78%
MODULE_60	MODULE_60	153	0.27333227	1.0385916	0.41245136	0.87545085	1	1467	tags=33%, list=29%, signal=46%
GO_RESPONSE_TO_DRUG	GO_RESPONSE_TO_DRUG	163	0.2333052	1.038459	0.36641222	0.87549996	1	1028	tags=25%, list=21%, signal=30%
G5E29618_PRE_VS_DAY7_POST_TV_FLU_VACCINE_MDC	G5E29618_PRE_VS_DAY7_P	61	0.26274392	1.0384454	0.4050633	0.8751856	1	1204	tags=31%, list=24%, signal=41%
G5E35453_RESTING_VS_IL4_TREATED_MACROPHAGE_U	G5E35453_RESTING_VS_IL4	52	0.2993807	1.0379995	0.402	0.87607	1	1102	tags=31%, list=22%, signal=39%
V5MMFE2_Q6	V5MMFE2_Q6	90	0.26322427	1.0375534	0.39963168	0.8769716	1	1276	tags=29%, list=26%, signal=38%
G5E3982_BCELL_VS_BASOPHIL_DN	G5E3982_BCELL_VS_BASOPI	75	0.26585283	1.0374483	0.3942857	0.87681973	1	1698	tags=48%, list=34%, signal=72%
G5E39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_NK	G5E39556_UNTREATED_VS_	65	0.28873074	1.0374718	0.3939394	0.8765019	1	1022	tags=28%, list=20%, signal=34%
CACCTGTG_MIR_128A_MIR_1288	CACCTGTG_MIR_128A_MIR_1	76	0.2703231	1.037382	0.4027505	0.8764266	1	384	tags=14%, list=8%, signal=15%
G5E3982_NEUTROPHIL_VS_BASOPHIL_UP	G5E3982_NEUTROPHIL_V	50	0.2742133	1.0373696	0.38403043	0.8761113	1	1396	tags=36%, list=28%, signal=49%
G5E9960_HEALTHY_VS_GRAM_NEG_AND_POS_SEPSIS_F	G5E9960_HEALTHY_VS_GRA	30	0.3347079	1.0372484	0.4204322	0.8761181	1	889	tags=27%, list=18%, signal=32%
GO_SULFUR_COMPOUND_BINDING	GO_SULFUR_COMPOUND_I	104	0.29653785	1.0372299	0.4015444	0.87581706	1	1661	tags=43%, list=33%, signal=63%
ALONSO_METASTASIS_EMT_UP	ALONSO_METASTASIS_EMT	16	0.39741656	1.0371732	0.41188118	0.8756154	1	1291	tags=56%, list=26%, signal=76%
KYNG_ENVIRONMENTAL_STRESS_RESPONSE_UP	KYNG_ENVIRONMENTAL_S'	20	0.3375901	1.0369097	0.42462844	0.8760235	1	571	tags=20%, list=11%, signal=22%
JIANG_HYPOXIA_NORMAL	JIANG_HYPOXIA_NORMAL	72	0.2785893	1.0368901	0.39138943	0.8757399	1	1448	tags=35%, list=29%, signal=48%
GAUSSMANN_MLL_A4_FUSION_TARGETS_C_UP	GAUSSMANN_MLL_A4_FU	48	0.2714546	1.0367961	0.39029127	0.87566894	1	813	tags=25%, list=16%, signal=20%
GO_POSITIVE_REGULATION_OF_CHROMOSOME_ORGAI	GO_POSITIVE_REGULATION	25	0.29519886	1.0366808	0.39041096	0.8758445	1	1105	tags=32%, list=22%, signal=41%
MCBRYAN_PUBERTAL_BREAST_3_ARM_DN	MCBRYAN_PUBERTAL_BRE	16	0.3485949	1.0363369	0.41954023	0.8762685	1	494	tags=25%, list=10%, signal=28%
G5E35543_IN_VIVO_NTREG_VS_CONVERTED_EX_ITREG	G5E35543_IN_VIVO_NTREG	74	0.26696196	1.0363326	0.41117764	0.8759319	1	1849	tags=53%, list=37%, signal=82%
G5E21927_VS_VS_4T1_TUMOR_MONOCYTE_BALB	G5E21927_VS_VS_4T1_I	50	0.27922684	1.0360826	0.43333334	0.87632453	1	938	tags=22%, list=20%, signal=27%
G5E27291_OH_VS_7D_STIM_GAMMADelta_TCELL_UP	G5E27291_OH_VS_7D_STIM	46	0.2787693	1.0360243	0.42322096	0.87614954	1	932	tags=30%, list=19%, signal=37%
GO_MONOVALENT_INORGANIC_CATION_TRANSMEM_B	GO_MONOVALENT_INORG	106	0.24044788	1.0356923	0.3898305	0.876763	1	682	tags=19%, list=14%, signal=21%
GO_EXCITATORY_INTRACELLULAR_LIGAND_GATED_I	GO_EXCITATORY_EXTRAC	17	0.3463138	1.0354929	0.39821428	0.8769686	1	1319	tags=47%, list=26%, signal=64%
WESTON_VEGFA_TARGETS	WESTON_VEGFA_TARGETS	63	0.31394482	1.0353812	0.41883767	0.87694293	1	905	tags=25%, list=18%, signal=31%
GO_PHOSPHATIDYLINOSITOL_3_PHOSPHATE_BIOSYNTI	GO_PHOSPHATIDYLINOSITI	17	0.36247626	1.0353111	0.4117647	0.8767914	1	1089	tags=35%, list=22%, signal=45%
G5E8685_IL2_STARVED_VS_IL15_ACT_IL2_STARVED_CD4	G5E8685_IL2_STARVED_VS_I	48	0.26302087	1.0352969	0.37547892	0.8764787	1	778	tags=23%, list=16%, signal=27%
G5E26023_PHD3_KO_VS_WT_NEUTROPHIL_HYPOXIA_D	G5E26023_PHD3_KO_VS_W	54	0.26952929	1.0350839	0.3977695	0.8767118	1	717	tags=23%, list=15%, signal=27%
RYAAKNNNNNNNTGW_UNKNOWN	RYAAKNNNNNNNTGW_UP	32	0.32618898	1.035027	0.42666668	0.8765234	1	1276	tags=38%, list=26%, signal=50%
GO_SECRETORY GRANULE LUMEN	GO_SECRETORY GRANULE_L	36	0.32555446	1.0348263	0.4241245	0.87674046	1	1541	tags=44%, list=31%, signal=64%
G5E21546_WT_VS_ELK1_KO_ANTI_CD3_STIM_DP_THYMI	G5E21546_WT_VS_ELK1_KO	58	0.2544882	1.0348086	0.37088388	0.8764472	1	1139	tags=36%, list=23%, signal=46%
G5E15659_TREG_VS_TCONV_DN	G5E15659_TREG_VS_TCONV	51	0.28315046	1.0347288	0.41197821	0.8763355	1	1456	tags=33%, list=29%, signal=47%
G5E14308_TH2_VS_INDUCED_TREG_UP	G5E14308_TH2_VS_INDUCE	38	0.301351	1.0345547	0.39960238	0.8764864	1	1156	tags=29%, list=23%, signal=37%
G5E17721_LPS_VS_POLYIC_0_5H_BMCD_UP	G5E17721_LPS_VS_POLYIC_I	45	0.26544824	1.0343944	0.41269842	0.87657845	1	1010	tags=24%, list=20%, signal=30%
KMCATNNWGGGA_UNKNOWN	KMCATNNWGGGA_UNKNOW	15	0.3666309	1.0342683	0.42769858	0.8766026	1	1342	tags=47%, list=27%, signal=64%
V5PXR_Q2	V5PXR_Q2	78	0.26838452	1.0341775	0.3915547	0.8765169	1	924	tags=23%, list=18%, signal=28%
G5E17721_CTRL_VS_POLYIC_24H_BMCD_DN	G5E17721_CTRL_VS_POLYIC	50	0.28484195	1.0341223	0.39615384	0.87632936	1	1012	tags=26%, list=20%, signal=32%
G5E12392_WT_VS_IFN_KO_CD8A_POS_SPLEEN_DC_UP	G5E12392_WT_VS_IFN_KO	40	0.27640092	1.0339215	0.38735158	0.8765872	1	752	tags=25%, list=15%, signal=29%
G5E17721_LPS_VS_POLYIC_2H_BMCD_DN	G5E17721_LPS_VS_POLYIC_I	21	0.34679792	1.0337723	0.39405942	0.876645	1	1598	tags=48%, list=32%, signal=70%
WNT_UP_V1_UP	WNT_UP_V1_UP	71	0.26800224	1.0336342	0.4	0.8766849	1	854	tags=21%, list=17%, signal=25%
GO_REGULATION_OF_TYROSINE_PHOSPHORYLATION_C	GO_REGULATION_OF_TYRO	20	0.36009297	1.0335582	0.43609023	0.8765577	1	257	tags=15%, list=5%, signal=16%
G5E13547_WT_VS_ZFX_KO_BCELL_ANTI_IJM_STIM_12H	G5E13547_WT_VS_ZFX_KO	43	0.31268075	1.0334817	0.41883767	0.8764205	1	972	tags=26%, list=19%, signal=31%
G5E3565_CTRL_VS_INJECTED_SPLENOCYTES_DN	G5E3565_CTRL_VS_LPS_INJI	64	0.30433884	1.0332718	0.426	0.87668574	1	882	tags=25%, list=18%, signal=30%
G5E1740_MCSF_VS_MCSF_AND_IFNG_DAY2_DERIVED_I	G5E1740_MCSF_VS_MCSF_I	61	0.26224665	1.0331631	0.3938224	0.8766404	1	1119	tags=33%, list=22%, signal=42%
GO_SKELETAL_SYSTEM_DEV	GO_SKELETAL_SYSTEM_DEV	186	0.26975393	1.0330002	0.4015444	0.8767659	1	1192	tags=29%, list=24%, signal=37%
G5E33424_CD161_INT_VS_NEG_CD8_TCELL_DN	G5E33424_CD161_INT_VS_I	56	0.2567695	1.0329403	0.39885497	0.87659466	1	681	tags=25%, list=14%, signal=29%
GO_REGULATION_OF_TRANSFERASE_ACTIVITY	GO_REGULATION_OF_TRAN	265	0.2096205	1.0329125	0.39849624	0.8763234	1	957	tags=23%, list=19%, signal=27%
SCHAEFFER_PROSTATE_DEVELOPMENT_48HR_DN	SCHAEFFER_PROSTATE_DEV	185	0.2516957	1.0327636	0.40712947	0.87640405	1	1331	tags=34%, list=27%, signal=44%
GO_PHOSPHOLIPID_BINDING	GO_PHOSPHOLIPID_BINDI	86	0.24800238	1.0327059	0.38836774	0.8762221	1	631	tags=17%, list=13%, signal=20%
GO_NEURON_RECOGNITION	GO_NEURON_RECOGNITION	17	0.36559808	1.0325601	0.40076336	0.8762819	1	1054	tags=35%, list=21%, signal=45%
G5E46606_UNSTIM_VS_CD40L_IL5_DAY1_STIMULAT	G5E46606_UNSTIM_VS_CD	57							



LEE_LIVER_CANCER	LEE_LIVER_CANCER	17	0.3778602	1.0293233	0.4274809	0.87633795	1	1277	tags=41%, list=26%, signal=55%
AAAGACA_MIR-511	AAAGACA_MIR-511	52	0.2781574	1.0292366	0.40221402	0.8762547	1	1639	tags=56%, list=33%, signal=82%
GSE14308_TH17_VS_NATURAL_TREG_UP	GSE14308_TH17_VS_NATUF	45	0.26774934	1.0292311	0.41340783	0.8759283	1	633	tags=20%, list=13%, signal=23%
GO_OSTEOBLAST_DIFFERENTIATION	GO_OSTEOBLAST_DIFFEREN	54	0.30755815	1.0291154	0.42537314	0.8759207	1	1515	tags=41%, list=30%, signal=58%
GSE9037_CTRL_VS_LPS_1H_STIM_BMDM_UP	GSE9037_CTRL_VS_LPS_1H_	31	0.29980883	1.0290834	0.4160839	0.87567025	1	1281	tags=42%, list=26%, signal=56%
GSE43955_TH0_VS_TGFB_IL6_IL23_TH17_ACT_CD4_TCEL	GSE43955_TH0_VS_TGFB_IL	56	0.28838718	1.029066	0.4144869	0.8753799	1	1638	tags=38%, list=33%, signal=55%
GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_72H_C	GSE15930_STIM_VS_STIM_#	55	0.26658443	1.0289109	0.42054263	0.8754767	1	1240	tags=29%, list=25%, signal=38%
PID_ENDOTHELIN_PATHWAY	PID_ENDOTHELIN_PATHWA	22	0.3371484	1.0287699	0.40078586	0.87554586	1	1358	tags=36%, list=27%, signal=50%
CTTTAAR_UNKNOWN	CTTTAAR_UNKNOWN	296	0.2322183	1.0287044	0.3927928	0.87538713	1	1460	tags=32%, list=29%, signal=43%
GO_SENSORIAL_PERCEPTION_OF_PAIN	GO_SENSORIAL_PERCEPTION	33	0.3282485	1.0286722	0.40461303	0.8751374	1	1751	tags=52%, list=35%, signal=79%
GSE5099_DAYS_VS_DAY7_MCSF_TREATED_MACROPHAGE	GSE5099_DAYS_VS_DAY7_#	50	0.26835722	1.0286586	0.41902834	0.87483764	1	889	tags=24%, list=18%, signal=29%
XU_GH1_EXOGENOUS_TARGETS_DN	XU_GH1_EXOGENOUS_TAR	37	0.29645988	1.0286517	0.43204868	0.8745158	1	930	tags=27%, list=19%, signal=33%
GO_LYSOSOMAL_LUMEN	GO_LYSOSOMAL_LUMEN	29	0.3352054	1.0285759	0.42716536	0.8743724	1	837	tags=28%, list=17%, signal=33%
GSE21927_SPLEEN_VS_BONE_MARROW_MONOCYTE_BI	GSE21927_SPLEEN_VS_BON	44	0.30467096	1.028456	0.41550696	0.87435055	1	477	tags=14%, list=10%, signal=15%
WAKABAYASHI_ADIPOGENESIS_PPARG_BOUND_8D	WAKABAYASHI_ADIPOGENI	128	0.24189824	1.028318	0.4029575	0.87439567	1	1212	tags=30%, list=24%, signal=39%
REACTOME_SLC_MEDIATED_TRANSMEMBRANE_TRANS	REACTOME_SLC_MEDIATED	69	0.25814444	1.0281122	0.43053174	0.8746539	1	191	tags=12%, list=4%, signal=12%
GSE2706_2H_VS_8H_R848_STIM_DC_UP	GSE2706_2H_VS_8H_R848_!	56	0.26892418	1.0279046	0.41365463	0.8748833	1	1658	tags=48%, list=33%, signal=71%
TOOKER_GEMCITABINE_RESISTANCE_DN	TOOKER_GEMCITABINE_RE!	36	0.28674105	1.0277088	0.41286308	0.8751235	1	765	tags=25%, list=15%, signal=29%
GSE6259_FLT3L_INDUCED_3D1_POS_CD5_BCELL_UP	GSE6259_FLT3L_INDUCED_!	21	0.3401462	1.0275018	0.4333996	0.8754154	1	1309	tags=38%, list=26%, signal=51%
GSE1448_CTRL_VS_ANTI_VALP_HA2_DP_THYMOCYTE_DP	GSE1448_CTRL_VS_ANTI_VA	52	0.29507407	1.0274507	0.4107143	0.8752169	1	906	tags=29%, list=18%, signal=35%
GSE8835_HEALTHY_VS_CLL_CD4_TCELL_UP	GSE8835_HEALTHY_VS_CLL	66	0.26703933	1.0273936	0.41532975	0.8750248	1	944	tags=27%, list=19%, signal=33%
GO_MEMBRANE_ORGANIZATION	GO_MEMBRANE_ORGANIZAT	162	0.22713436	1.0272701	0.39311594	0.87521714	1	741	tags=18%, list=15%, signal=20%
GSE7400_CTRL_VS_CSF3_IN_VIVO_TREATED_PBMC_UP	GSE7400_CTRL_VS_CSF3_IN	32	0.31209877	1.0270352	0.422116183	0.87535703	1	687	tags=22%, list=14%, signal=25%
GO_PROTEIN_OLIGOMERIZATION	GO_PROTEIN_OLIGOMERIZ	121	0.23870993	1.0270058	0.4255725	0.8750975	1	1293	tags=30%, list=26%, signal=50%
GO_RESPONSE_TO_MECHANICAL_STIMULUS	GO_RESPONSE_TO_MECHA	82	0.2746707	1.0269275	0.42970297	0.87499344	1	1515	tags=35%, list=30%, signal=50%
GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LIN	GSE16450_IMMATURE_VS_!	52	0.31318334	1.0266949	0.4361493	0.8752942	1	626	tags=19%, list=13%, signal=22%
GSE40666_WT_VS_STA74_KO_CD8_TCELL_DN	GSE40666_WT_VS_STA74_K	27	0.33626974	1.0266933	0.42827442	0.87496454	1	1308	tags=41%, list=26%, signal=55%
GSE36476_YOUNG_VS_OLD_DONOR_MEMORY_CD4_TC	GSE36476_YOUNG_VS_OLD	75	0.25650114	1.0266836	0.41791046	0.87466085	1	919	tags=25%, list=18%, signal=31%
GSE5099_UNSTIM_VS_MCSF_TREATED_MONOCYTE_DA	GSE5099_UNSTIM_VS_MCSI	46	0.2918713	1.0266604	0.40943396	0.8745175	1	1525	tags=39%, list=31%, signal=56%
GSE17721_0.5H_VS_4H_POI	GSE17721_0.5H_VS_4H_POI	36	0.29750624	1.0265783	0.4204322	0.87426513	1	720	tags=22%, list=14%, signal=26%
ACTGCAG_MIR-17-3P	ACTGCAG_MIR-17-3P	22	0.33759567	1.026568	0.41666666	0.87395835	1	1470	tags=55%, list=29%, signal=77%
GO_POSITIVE_REGULATION_OF_GLIOGENESIS	GO_POSITIVE_REGULATION	16	0.37641203	1.0264697	0.42728904	0.87388396	1	243	tags=13%, list=5%, signal=13%
GSE13485_DAY1_VS_DAY7_VF17D_VACCINE_PBMC_UP	GSE13485_DAY1_VS_DAY7_!	42	0.29192865	1.0263362	0.43726236	0.8739215	1	349	tags=12%, list=7%, signal=13%
VSPBX1_01	VSPBX1_01	95	0.24768512	1.0262489	0.4332724	0.8738394	1	1096	tags=33%, list=22%, signal=41%
GO_POSITIVE_REGULATION_OF_ACDT_INFLAMMATOR	GO_POSITIVE_REGULATION	19	0.4032236	1.0258996	0.44421905	0.87445056	1	357	tags=16%, list=7%, signal=17%
GSE17721_POLYIC_VS_CPG_24H_BMDC_UP	GSE17721_POLYIC_VS_CPG	53	0.27293225	1.0257874	0.41729322	0.874434	1	562	tags=17%, list=11%, signal=19%
GSE27786_LSK_VS_NKCELL_DN	GSE27786_LSK_VS_NKCELL	38	0.28739598	1.0256768	0.39215687	0.87443286	1	1073	tags=29%, list=21%, signal=37%
HOFFMANN_PRE_BI_TO_LARGE_PRE_BI_LYMPHOCYTE_I	HOFFMANN_PRE_BI_TO_LAI	27	0.3190009	1.0256089	0.41164657	0.87429965	1	453	tags=19%, list=9%, signal=20%
GSE2585_THYMIC_DC_VS_MTEC_DN	GSE2585_THYMIC_DC_VS_!	42	0.28760415	1.0254589	0.3957115	0.8743919	1	733	tags=19%, list=15%, signal=22%
GSE3982_DC_VS_TH1_UP	GSE3982_DC_VS_TH1_UP	53	0.30706528	1.0254444	0.43927124	0.8740995	1	1224	tags=38%, list=24%, signal=49%
GTGTYNNRNGNAAC_UNKNOWN	GTGTYNNRNGNAAC_UNKN	23	0.33473754	1.025285	0.42074364	0.8741986	1	1546	tags=48%, list=31%, signal=69%
GSE17721_0.5H_VS_8H_CPG_BMDC_UP	GSE17721_0.5H_VS_8H_C	32	0.30568108	1.0250578	0.42322835	0.8745224	1	1513	tags=47%, list=30%, signal=67%
GSE27786_LSK_VS_ERYTHROBLAST_DN	GSE27786_LSK_VS_ERYTHR	60	0.26120314	1.0249608	0.4213592	0.87447995	1	914	tags=23%, list=18%, signal=28%
GO_REGULATION_OF_MYELOID_CELL_DIFFERENTIATION	GO_REGULATION_OF_MYEL	55	0.29066435	1.0247006	0.4368931	0.8748888	1	933	tags=22%, list=19%, signal=27%
GSE21379_TFH_VS_NON_TFH_SAP_KO_CD4_TCELL_DN	GSE21379_TFH_VS_NON_TF	61	0.2623136	1.0246006	0.42382812	0.8748368	1	1165	tags=30%, list=23%, signal=38%
VSMF_Q6	VSMF_Q6	73	0.2611164	1.0245781	0.40190476	0.87451144	1	1021	tags=23%, list=20%, signal=29%
GSE10147_IL3_AND_HVP17_VS_IL3_AND_CPG_STIM_PG	GSE10147_IL3_AND_HVP17	38	0.267475	1.0244119	0.4302554	0.87469596	1	1165	tags=37%, list=23%, signal=48%
GO_MONOVALENT_INORGANIC_CATION_HOMEOSTASIS	GO_MONOVALENT_INORGI	44	0.27821523	1.0242909	0.42307693	0.8746952	1	989	tags=27%, list=20%, signal=34%
HOQUE_METHYLATED_IN_CANCER	HOQUE_METHYLATED_IN_C	32	0.3067776	1.024116	0.41165414	0.87484074	1	1304	tags=31%, list=26%, signal=42%
GSE31082_DP_VS_CD8_SP_THYMOCYTE_DN	GSE31082_DP_VS_CD8_SP_!	48	0.29376322	1.0234646	0.43661973	0.87635714	1	1139	tags=33%, list=23%, signal=43%
GO_REGULATION_OF_NEURON_DIFFERENTIATION	GO_REGULATION_OF_NEUF	193	0.24737227	1.0231705	0.4034749	0.8768848	1	1331	tags=31%, list=27%, signal=40%
P53_DN_V1_DN	P53_DN_V1_DN	106	0.21764228	1.0231166	0.41586074	0.87666947	1	850	tags=21%, list=17%, signal=24%
SHETH_LIVER_CANCER_VS_TXNP1_LOSS_PAM2	SHETH_LIVER_CANCER_VS_!	62	0.2617186	1.0229989	0.40524194	0.8766419	1	1039	tags=24%, list=21%, signal=30%
BILBAN_B_CLL_LPL_UP	BILBAN_B_CLL_LPL_UP	22	0.34681806	1.0228041	0.43933055	0.87683076	1	1235	tags=36%, list=25%, signal=48%
GSE8678_IL7R_LOW_VS_HIGH_EFF_CD8_TCELL_DN	GSE8678_IL7R_LOW_VS_HI	50	0.3217548	1.022521	0.43186584	0.87727904	1	1058	tags=30%, list=21%, signal=38%
PILON_KLF1_TARGETS_UP	PILON_KLF1_TARGETS_UP	136	0.25740456	1.0223213	0.40648854	0.87751377	1	1163	tags=28%, list=23%, signal=35%
HALMOS_CEBPA_TARGETS_DN	HALMOS_CEBPA_TARGETS_!	24	0.3396389	1.0223042	0.4186508	0.87722725	1	1770	tags=54%, list=35%, signal=83%
WOOD_EBV_EBNA1_TARGETS_DN	WOOD_EBV_EBNA1_TARGE	22	0.3467345	1.0222579	0.42857143	0.87701523	1	571	tags=18%, list=11%, signal=20%
GSE27670_BLIMP1_VS_LMP1_TRANSDUCED_GC_BCELL	GSE27670_BLIMP1_VS_LMP	49	0.2921291	1.022232	0.41701245	0.87674886	1	772	tags=22%, list=15%, signal=26%
VSMYDQ_Q6_01	VSMYDQ_Q6_01	61	0.2607725	1.022144	0.42205322	0.87666	1	1398	tags=39%, list=28%, signal=54%
GSE36888_UNTREATED_VS_IL2_TREATED_STATS_AB_KN	GSE36888_UNTREATED_VS_!	52	0.27242568	1.0220999	0.43313372	0.8764477	1	1505	tags=42%, list=30%, signal=60%
GSE17721_POLYIC_VS_CPG_0.5H_BMDC_UP	GSE17721_POLYIC_VS_CPG	55	0.2741944	1.022084	0.4183124	0.8761597	1	1769	tags=53%, list=35%, signal=81%
GSE32986_UNSTIM_VS_GMCSF_AND_CURDLAN_LOWD	GSE32986_UNSTIM_VS_GM	41	0.39034286	1.0218253	0.46666667	0.87654865	1	750	tags=27%, list=15%, signal=31%
GO_PHOSPHATIDYLINOSITOL_METABOLIC_PROCESS	GO_PHOSPHATIDYLINOSIT	49	0.29888078	1.0218005	0.42018348	0.8762746	1	226	tags=12%, list=5%, signal=13%
GSE360_CTRL_VS_B_MALAYI_HIGH_DOSE_MAC_DN	GSE360_CTRL_VS_B_MALAY	49	0.2766422	1.0217363	0.4124294	0.8761205	1	1158	tags=33%, list=23%, signal=43%
GO_CELLULAR_RESPONSE_TO_AMINO_ACID_STIMULUS	GO_CELLULAR_RESPONSE_!	22	0.35710134	1.0216563	0.44921875	0.8759988	1	1218	tags=55%, list=24%, signal=72%
KRAS_PROSTATE_UP_V1_UP	KRAS_PROSTATE_UP_V1_UP	54	0.28333642	1.021644	0.4249012	0.8756961	1	1486	tags=31%, list=30%, signal=44%
GSE22611_NOD2_VS_MUTANT_NOD2_TRANSDUCED_H	GSE22611_NOD2_VS_MUTA	53	0.2631355	1.0215933	0.4442344	0.87550443	1	1537	tags=43%, list=31%, signal=62%
KEGG_PEROXISOME	KEGG_PEROXISOME	23	0.34647086	1.0215305	0.42307693	0.8753509	1	623	tags=30%, list=12%, signal=35%
GO_PYRIMIDINE_CONTAINING_COMPOUND_METABOL	GO_PYRIMIDINE_CONTAINI	16	0.36808914	1.0213761	0.4422311	0.87544	1	878	tags=25%, list=18%, signal=30%
MODULE_481	MODULE_481	40	0.28687474	1.0213087	0.42778793	0.8753013	1	943	tags=28%, list=19%, signal=34%
MODULE_544	MODULE_544	40	0.28687474	1.0213087	0.42778793	0.87496966	1	943	tags=28%, list=19%, signal=34%
MORF_MT4	MORF_MT4	53	0.25282148	1.0210897	0.41904762	0.8752436	1	1440	tags=32%, list=29%, signal=45%
BRUNO_HEMATOPOIESIS	BRUNO_HEMATOPOIESIS	22	0.31599894	1.0210202	0.42971888	0.8751028	1	89	tags=14%, list=2%, signal=14%
GO_POSITIVE_REGULATION_OF_PROTEIN_IMPORT	GO_POSITIVE_REGULATION	40	0.31949282	1.0205581	0.43815514	0.87610346	1	933	tags=28%, list=19%, signal=34%
GSE5099_MONOCYTE_VS_CLASSICAL_M1_MACROPHAG	GSE5099_MONOCYTE_VS_C	37	0.28931984	1.0205007	0.4302789	0.8759286	1	1714	tags=54%, list=34%, signal=82%
GSE43863_TH1_VS_TFH_MEMORY_CD4_TCELL_DN	GSE43863_TH1_VS_TFH_ME	53	0.34684217	1.0204605	0.47464502	0.8756996	1	776	tags=26%, list=16%, signal=31%
GSE21546_WT_VS_SAP1A_KO_AND_ELKI_KO_DP_THYM	GSE21546_WT_VS_SAP1A_K	59	0.2862604	1.0204184	0.44536084	0.87548846	1	1823	tags=49%, list=36%, signal=76%
GSE13229_MATURE_VS_INTMATURE_NKCELL_DN	GSE13229_MATURE_VS_INT	41	0.26693043	1.0203855	0.42481202	0.87523377	1	362	tags=15%, list=7%, signal=16%
GO_REGULATION_OF_METAL_ION_TRANSPORT	GO_REGULATION_OF_MET#	115	0.2571854	1.0203562	0.41074857	0.8749868	1	1419	tags=37%, list=28%, signal=50%
GSE17721_CTRL_VS_POLYIC_4H_BMDC_UP	GSE17721_CTRL_VS_POLYI	25	0.3061167	1.0203358	0.45109782	0.8747236	1	367	tags=24%, list=7%, signal=26%
NABA_ECM_AFFILIATED	NABA_ECM_AFFILIATED	63</							



GSE21033_CTRL_VS_POLYIC_STIM_DC_24H_UP MODULE_455	GSE21033_CTRL_VS_POLYIC MODULE_455	50	0.30593884	1.0173302	0.40828404	0.8742551	1	662 tags=18%, list=13%, signal=21%
GSE13173_UNTREATED_VS_IL12_TREATED_ACT_CD8_TC	GSE13173_UNTREATED_VS_IL12_TREATED_ACT_CD8_TC	21	0.32112053	1.0172486	0.41566828	0.87415564	1	1174 tags=38%, list=23%, signal=50%
GSE11373_UNTREATED_VS_IL12_TREATED_ACT_CD8_TC	GSE11373_UNTREATED_VS_IL12_TREATED_ACT_CD8_TC	32	0.2962194	1.0172096	0.4238921	0.87393844	1	942 tags=31%, list=19%, signal=58%
LI_PROSTATE_CANCER_EPIGENETIC	LI_PROSTATE_CANCER_EPIK	19	0.33187173	1.0170351	0.43670887	0.87409455	1	131 tags=11%, list=3%, signal=11%
AATGTGA.MIR-23A.MIR-23I	AATGTGA.MIR-23A.MIR-23I	118	0.2525782	1.0170006	0.40648854	0.8738667	1	1162 tags=32%, list=23%, signal=41%
GO_INORGANIC_ION_TRANSMEMBRANE_TRANSPORT	GO_INORGANIC_ION_TRAN	175	0.23883895	1.0169643	0.41206896	0.87364924	1	940 tags=22%, list=19%, signal=26%
GSE4142_GC_BCELL_VS_MEMORY_BCELL_UP	GSE4142_GC_BCELL_VS_ME	53	0.2699208	1.0168339	0.4186508	0.8736863	1	1541 tags=36%, list=31%, signal=51%
WAMUNYOKOLI_OVARIAN_CANCER_LMP_UP	WAMUNYOKOLI_OVARIAN	74	0.28557503	1.01682	0.43096235	0.873397	1	1134 tags=30%, list=23%, signal=38%
GSE40225_WT_VS_RIP_B7X_DIABETIC_MOUSE_PANCREAS	GSE40225_WT_VS_RIP_B7X	48	0.2901237	1.0167897	0.41732284	0.87316245	1	855 tags=27%, list=17%, signal=32%
GO_RESPONSE_TO_ORGANOPHOSPHORUS	GO_RESPONSE_TO_ORGAN	58	0.26477516	1.0165923	0.42696628	0.8733976	1	1294 tags=40%, list=26%, signal=53%
MORF_PAX7	MORF_PAX7	73	0.2528287	1.0165907	0.40185186	0.87307596	1	1150 tags=28%, list=23%, signal=33%
GSE15324_ELF4_KO_VS_WT_ACTIVATED_CD8_TCELL_UP	GSE15324_ELF4_KO_VS_WT	42	0.27384403	1.0162164	0.43703705	0.87379074	1	625 tags=21%, list=13%, signal=24%
TURASHVILL_BREAST_DUCTAL_CARCINOMA_VS_LOBLU	TURASHVILL_BREAST_DUCT	31	0.35908687	1.0161276	0.4329897	0.8737003	1	835 tags=39%, list=17%, signal=46%
GSE36891_UNSTIM_VS_POLYIC_TLR3_STIM_PERITONEA	GSE36891_UNSTIM_VS_POLI	56	0.28382054	1.0160197	0.42857143	0.8736749	1	914 tags=25%, list=18%, signal=30%
PID_INTEGRIN1_PATHWAY	PID_INTEGRIN1_PATHWAY	40	0.36742777	1.0160091	0.44554454	0.87337434	1	1512 tags=48%, list=30%, signal=68%
KOHOUTEK_CCNT2_TARGETS	KOHOUTEK_CCNT2_TARGETS	21	0.30742642	1.0157369	0.42095238	0.87380576	1	1722 tags=52%, list=34%, signal=80%
SHETH_LIVER_CANCER_VS_TXNP1_LOSS_PAMS	SHETH_LIVER_CANCER_VS_	30	0.28208977	1.015673	0.42331287	0.8736489	1	870 tags=30%, list=17%, signal=36%
TAATGTG.MIR-323	TAATGTG.MIR-323	30	0.30508082	1.0156511	0.43185842	0.87339056	1	1602 tags=53%, list=32%, signal=78%
GSE40274_EOS_VS_FOXP3_AND_EOS_TRANSDUCED_AC	GSE40274_EOS_VS_FOXP3_	22	0.31533188	1.0155237	0.41231343	0.873415	1	1483 tags=45%, list=30%, signal=64%
ACACTGG.MIR-199A.MIR-199B	ACACTGG.MIR-199A.MIR-1	31	0.2986651	1.0153836	0.40748033	0.87348723	1	772 tags=29%, list=15%, signal=34%
MEL18_DN_V1_DN	MEL18_DN_V1_DN	93	0.26677692	1.0153464	0.42226487	0.87326896	1	1343 tags=31%, list=27%, signal=42%
GSE5542_IFNA_VS_IFNA_AND_IFNG_TREATED_EPITHELI	GSE5542_IFNA_VS_IFNA_A	40	0.26257738	1.0153365	0.41420117	0.8729783	1	1260 tags=35%, list=25%, signal=46%
KOHOUTEK_CCNT1_TARGETS	KOHOUTEK_CCNT1_TARGETS	21	0.35073492	1.0153097	0.43811396	0.8727277	1	385 tags=19%, list=8%, signal=21%
CHEN_LVAD_SUPPORT_OF_FALLING_HEART_UP	CHEN_LVAD_SUPPORT_OF_	49	0.33703142	1.015275	0.4265306	0.8725034	1	1572 tags=45%, list=31%, signal=75%
GO_NEGATIVE_REGULATION_OF_APOPTOTIC_SIGNALIN	GO_NEGATIVE_REGULATIO	66	0.2630931	1.0151973	0.42003852	0.87239105	1	942 tags=24%, list=19%, signal=29%
SERVITJA_LIVER_HNF1A_TARGETS	SERVITJA_LIVER_HNF1A_TA	83	0.25386724	1.0151963	0.42727274	0.87207216	1	1095 tags=24%, list=22%, signal=30%
V5STAT4_T1	V5STAT4_T1	90	0.26530266	1.0150019	0.42352942	0.8722877	1	1383 tags=34%, list=28%, signal=47%
GSE6259_FLT3L_INDUCED_33D1_POS_DC_VS_CD4_TCEL	GSE6259_FLT3L_INDUCED_	62	0.31667732	1.0149595	0.4410569	0.87208027	1	1118 tags=27%, list=22%, signal=35%
GSE15659_NAIVE_CD4_TCELL_VS_RESTING_TREG_UP	GSE15659_NAIVE_CD4_TCEI	45	0.25734362	1.0147183	0.42330098	0.8724462	1	717 tags=27%, list=14%, signal=31%
GRAESSMANN_RESPONSE	GRAESSMANN_RESPONSE	88	0.29338482	1.0146015	0.43307087	0.87244457	1	662 tags=19%, list=13%, signal=22%
GSE12366_GC_VS_MEMORY_BCELL_DN	GSE12366_GC_VS_MEMORY	50	0.29869384	1.0145576	0.43153527	0.8722547	1	893 tags=28%, list=18%, signal=34%
GO_MONOCARBOXYLIC_ACID_PRIOYNTHECTIC_PROCESSG	GO_MONOCARBOXYLIC_AC	64	0.26191035	1.0145054	0.43584907	0.8720893	1	1245 tags=30%, list=25%, signal=39%
GSE19198_CTRL_VS_IL12_TREATED_TCELL_6H_DN	GSE19198_CTRL_VS_IL2I_7	51	0.2910232	1.0144573	0.44311377	0.87190074	1	1039 tags=29%, list=21%, signal=37%
GO_APICAL_JUNCTION_COMPLEX	GO_APICAL_JUNCTION_COI	37	0.30215883	1.0143185	0.42887473	0.87197274	1	985 tags=30%, list=20%, signal=37%
CERIBELL_PROMOTERS_INACTIVE_AND_BOUND_BY_NF	CERIBELL_PROMOTERS_IN	16	0.36326575	1.0142814	0.4495238	0.8717628	1	673 tags=25%, list=13%, signal=29%
GO_REGULATION_OF_MUSCLE_SYSTEM_PROCESS	GO_REGULATION_OF_MUSI	78	0.26490408	1.014267	0.42829826	0.87148017	1	1264 tags=33%, list=25%, signal=44%
GSE36078_UNTREATED_VS_AD5_T425A_HEXON_INF_IL1	GSE36078_UNTREATED_VS	55	0.25813336	1.0141591	0.4169884	0.8714447	1	1064 tags=31%, list=21%, signal=39%
GO_OLFACTORY_LOBE_DEVELOPMENT	GO_OLFACTORY_LOBE_DEV	15	0.35493198	1.0140064	0.46303502	0.8715596	1	1190 tags=40%, list=24%, signal=52%
GO_NUCLEOSIDE_PHOSPHATE_CATABOLIC_PROCESS	GO_NUCLEOSIDE_PHOSPH	15	0.35252406	1.0138758	0.40606007	0.8716208	1	878 tags=33%, list=18%, signal=40%
GSE4142_PLASMA_CELL_VS_MEMORY_BCELL_UP	GSE4142_PLASMA_CELL_VS	83	0.25248357	1.0138351	0.4187279	0.87142044	1	1615 tags=41%, list=32%, signal=60%
GO_REGULATION_OF_TRANSPORTER_ACTIVITY	GO_REGULATION_OF_TRAN	73	0.26777672	1.0138261	0.45115453	0.8711304	1	1264 tags=36%, list=25%, signal=47%
YORDY_RECIPROCAL_REGULATION_BY_ET51_AND_SPI10	YORDY_RECIPROCAL_REGU	34	0.3052064	1.0135301	0.45179585	0.87166655	1	1003 tags=29%, list=20%, signal=37%
GO_GUANYL_NUCLEOTIDE_BINDING	GO_GUANYL_NUCLEOTIDE_	82	0.24696101	1.0134509	0.43822393	0.8715647	1	923 tags=21%, list=18%, signal=25%
VSAR_Q6	VSAR_Q6	63	0.25494343	1.0133926	0.41269842	0.87141	1	468 tags=14%, list=9%, signal=16%
GSE17721_POLYIC_VS_PAM3CS4_24H_BMDC_UP	GSE17721_POLYIC_VS_PAM	46	0.27913177	1.0133342	0.45124283	0.87124896	1	893 tags=33%, list=18%, signal=39%
GO_POSITIVE_REGULATION_OF_MAP_KINASE_ACTIVITY	GO_POSITIVE_REGULATION	73	0.26011845	1.0131818	0.43333334	0.8713743	1	1383 tags=30%, list=28%, signal=41%
GSE30083_SP1_VS_SP3_THYMOCYTE_DN	GSE30083_SP1_VS_SP3_THY	76	0.2602543	1.0129808	0.44509804	0.8716223	1	987 tags=26%, list=20%, signal=32%
HALLMARK_UV_RESPONSE_DN	HALLMARK_UV_RESPONSE_D	52	0.35202884	1.0129474	0.40464388	0.8713962	1	1554 tags=44%, list=31%, signal=64%
STAEGE_EWING_FAMILY_TUMOR	STAEGE_EWING_FAMILY_TU	17	0.36326808	1.0129355	0.43263757	0.8711366	1	1080 tags=35%, list=22%, signal=45%
GSE22432_MULTIPOTENT_VS_COMMON_DC_PROGENIT	GSE22432_MULTIPOTENT_V	45	0.27957758	1.0127699	0.4235537	0.871242	1	1026 tags=29%, list=21%, signal=36%
GSE17721_4_VS_24H_GARDQUIMOD_BMDC_DN	GSE17721_4_VS_24H_GARD	24	0.3536532	1.0125483	0.44219068	0.87153697	1	563 tags=17%, list=11%, signal=19%
BASSO_HAIRY_CELL_LEUKEMIA_DN	BASSO_HAIRY_CELL_LEUKEM	35	0.32165650	1.0125418	0.4330097	0.87124133	1	822 tags=23%, list=16%, signal=27%
CAGGTA_VSAREB6_01	CAGGTA_VSAREB6_01	258	0.21883681	1.0123208	0.43396226	0.8715294	1	1502 tags=33%, list=30%, signal=45%
GO_FOREBRAIN_DEVELOPMENT	GO_FOREBRAIN_DEVELOPH	130	0.23811546	1.0122998	0.42018348	0.87127066	1	1054 tags=27%, list=21%, signal=33%
FVNR_CTNNB1_TARGETS_UP	FVNR_CTNNB1_TARGETS_UP	226	0.2353222	1.0122997	0.41584158	0.8709523	1	881 tags=20%, list=18%, signal=23%
VERHAAK_AML_WITH_NPM1_MUTATED_DN	VERHAAK_AML_WITH_NPM	130	0.26057207	1.012247	0.42828685	0.87077373	1	1160 tags=29%, list=23%, signal=37%
GSE15330_LYMPHOID_MULTIPOTENT_VS_MEGAKARYO	GSE15330_LYMPHOID_MUL	57	0.24891523	1.0122178	0.43426296	0.8705381	1	1209 tags=33%, list=24%, signal=43%
GSE5589_WT_VS_IL10_KO_LPS_AND_IL6_STIM_MACROP	GSE5589_WT_VS_IL10_KO_L	55	0.27954918	1.0121212	0.41729322	0.870497	1	862 tags=20%, list=17%, signal=24%
GSE46468_LUNG_INNATE_CELL_VS_SPLEEN	GSE46468_LUNG_INNATE_L	26	0.3127513	1.0119988	0.41806722	0.87051594	1	1225 tags=31%, list=25%, signal=41%
V5SREB3_Q3	V5SREB3_Q3	83	0.24556361	1.0119697	0.4408397	0.87027997	1	930 tags=24%, list=19%, signal=29%
REACTOME_G_ALPHA_S_SIGNALLING_EVENTS	REACTOME_G_ALPHA_S_SIC	44	0.2615019	1.0119203	0.4589615	0.87009746	1	679 tags=20%, list=14%, signal=23%
V5TEF_Q6	V5TEF_Q6	96	0.2586732	1.0113536	0.4310019	0.87129515	1	1267 tags=29%, list=25%, signal=38%
GO_HORMONE_METABOLIC_PROCESS	GO_HORMONE_METABOLIC	78	0.26610804	1.011272	0.43533698	0.8712086	1	1681 tags=41%, list=34%, signal=61%
V5E12_Q6	V5E12_Q6	79	0.24759339	1.0111858	0.4516129	0.8711363	1	1343 tags=34%, list=27%, signal=46%
GO_MICROTUBULE_BASED_MOVEMENT	GO_MICROTUBULE_BASED_	44	0.3029395	1.0111182	0.44848484	0.8710059	1	364 tags=12%, list=7%, signal=24%
GO_MICROVILLUS	GO_MICROVILLUS	26	0.2977598	1.0110661	0.4291498	0.87082165	1	774 tags=23%, list=15%, signal=27%
GSE7460_TREG_VS_TCONV_ACT_WITH_TGFR_UP	GSE7460_TREG_VS_TCONV_	82	0.25388032	1.0110381	0.41308793	0.870569	1	623 tags=18%, list=12%, signal=21%
CHR11P15	CHR11P15	59	0.2711459	1.0108718	0.43067226	0.87071884	1	471 tags=14%, list=9%, signal=15%
CROMER_METASTASIS_UP	CROMER_METASTASIS_UP	21	0.31906098	1.0108274	0.43700787	0.8705248	1	893 tags=33%, list=18%, signal=40%
GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_IL10_KX	GSE5589_LPS_AND_IL10_VS	64	0.26468834	1.0106876	0.43495145	0.8705933	1	1145 tags=30%, list=23%, signal=38%
GO_COLLAGEN_TRIMER	GO_COLLAGEN_TRIMER	48	0.34925485	1.0106424	0.45366797	0.8704083	1	1288 tags=44%, list=26%, signal=58%
GSE360_L_DONOVANI_VS_L_MAJOR_MAC_UP	GSE360_L_DONOVANI_VS_L	27	0.37199256	1.0104028	0.4332061	0.8707682	1	830 tags=23%, list=17%, signal=28%
GO_PDZ_DOMAIN_BINDING	GO_PDZ_DOMAIN_BINDING	29	0.30956239	1.0103445	0.44660193	0.87061524	1	577 tags=21%, list=12%, signal=23%
V5PAX4_01	V5PAX4_01	55	0.26616347	1.0101596	0.45233646	0.8708103	1	1334 tags=40%, list=27%, signal=54%
GSE40274_IRF4_VS_FOXP3_AND_IRF4_TRANSDUCED_AC	GSE40274_IRF4_VS_FOXP3_	46	0.26312867	1.0100677	0.45027125	0.8707538	1	392 tags=15%, list=8%, signal=16%
V5SRF_C	V5SRF_C	59	0.2920379	1.009997	0.44505050	0.87063193	1	1460 tags=39%, list=29%, signal=54%
GSE11961_UNSTIM_VS_ANTI_IGM_AND_CD40_STIM_6H	GSE11961_UNSTIM_VS_ANI	64	0.28271103	1.0099862	0.44308943	0.8703404	1	1346 tags=39%, list=27%, signal=53%
REACTOME_PLATELET_ACTIVATION_SIGNALING_AND_P	REACTOME_PLATELET_ACTI	65	0.28991523	1.0099717	0.45930234	0.8700582	1	1482 tags=37%, list=30%, signal=52%
GSE1432_CTRL_VS_IFNG_6H_MICROGLIA_UP	GSE1432_CTRL_VS_IFNG_6H	24	0.29605883	1.0094901	0.4308617	0.8710375	1	1134 tags=33%, list=23%, signal=43%
GSE25087_FETAL_VS_ADULT_TREG_DN	GSE25087_FETAL_VS_ADUL	48	0.3021757	1.009352	0.44592032	0.8711119	1	1452 tags=40%, list=29%, signal=55%
GO_STAT_CASCADE	GO_STAT_CASCADE	15	0.3981125	1.0092033	0.4623218	0.8711926	1	299 tags=20%, list=6%, signal=21%
GO_JAK_STAT_CASCADE	GO_JAK_STAT_CASCADE	15	0.39811245	1.0092031	0.4623218	0.87087697	1	299 tags=20%, list=6%, signal=21%
MARIADASON_REGULATED_BY_HISTONE_ACETYLATION	MARIADASON_REGULATED	18	0.33501315	1.00918	0.42578125	0.8706271	1	648 tags=22%, list=13%, signal=25%
CHR9Q34	CHR9Q34	29	0.3055143	1.00917	0.4375	0.8703464	1	1487 tags=48%, list=30%, signal=68%
GSE29164_DAY3_VS_DAY7_CD8_TCELL_TREATED_MELAI	GSE29164_DAY3_VS_DAY7_	51	0.2632803	1.0090904	0.43366337	0.8702553	1	1044 tags=31%, list=21%, signal=39%
GO_REGULATION_OF_CELL_DEVELOPMENT	GO_REGULATION_OF_CELL	277	0.23174301	1.0090146	0.44045368			

GSE10094_LCMV_VS_LISTERIA_INF_END_CD4_TCELL_UP	GSE10094_LCMV_VS_LISTEF	27	0.34360763	1.0069933	0.46414343	0.86872554	1	343 tags=15%, list=7%, signal=16%
GSE3720_UNSTIM_VS_PMA_STM_IL6_GAMMADELTA	GSE3720_UNSTIM_VS_PMA	39	0.27688038	1.0069467	0.43656716	0.8685906	1	636 tags=18%, list=13%, signal=20%
GSE26488_HDAC7_KO_VS_VP16_TRANSGENIC_HDAC7	GSE26488_HDAC7_KO_VS_V	71	0.26614147	1.0069028	0.42999065	0.8683744	1	440 tags=14%, list=9%, signal=15%
GO_REGULATION_OF_MAP_KINASE_ACTIVITY	GO_REGULATION_OF_MAP	109	0.25441623	1.0068755	0.42635658	0.8681282	1	1383 tags=31%, list=28%, signal=42%
CHR16P11	CHR16P11	17	0.37490138	1.0067792	0.47047246	0.86807835	1	1340 tags=41%, list=27%, signal=56%
GO_NEGATIVE_REGULATION_OF_CELLULAR_RESPONSE	GO_NEGATIVE_REGULATION	22	0.36178607	1.0067501	0.418	0.86784655	1	1115 tags=36%, list=22%, signal=47%
GO_NEGATIVE_REGULATION_OF_TRANSFORMING_GRC	GO_NEGATIVE_REGULATION	22	0.36178598	1.0067501	0.418	0.86753565	1	1115 tags=36%, list=22%, signal=47%
GO_NEGATIVE_REGULATION_OF_PROTEIN_MODIFICATION	GO_NEGATIVE_REGULATION	147	0.23286533	1.0067427	0.43253967	0.86724544	1	1240 tags=29%, list=25%, signal=38%
ACACTCCMIR-122A	ACACTCCMIR-122A	18	0.33570412	1.0065421	0.4359504	0.8674646	1	1473 tags=33%, list=29%, signal=47%
GO_RETINA_DEVELOPMENT_IN_CAMERA_TYPE_EYE	GO_RETINA_DEVELOPMENT	35	0.2901561	1.0064876	0.45576924	0.8673011	1	1687 tags=49%, list=34%, signal=73%
ROSS_LEUKEMIA_WITH_MLI_FUSIONS	ROSS_LEUKEMIA_WITH_MLI	26	0.3359972	1.0064238	0.43378118	0.86715925	1	214 tags=15%, list=4%, signal=16%
GSE45365_NK_CELL_VS_CD8A_DC_MCMV_INFECTION	GSE45365_NK_CELL_VS_CD	64	0.2551181	1.0063831	0.42773438	0.86695313	1	839 tags=23%, list=17%, signal=28%
GSE11864_UNTREATED_VS_CSF1_IN_MAC_DN	GSE11864_UNTREATED_VS	27	0.3140754	1.0061687	0.46470588	0.86721826	1	1412 tags=44%, list=28%, signal=62%
HAHTOLA_MYCOSIS_FUNGODES_SKIN_UP	HAHTOLA_MYCOSIS_FUNG	34	0.36074433	1.0060809	0.48565573	0.8671474	1	785 tags=32%, list=16%, signal=38%
BORCZUK_MALIGNANT_MESOTHELIOMA_DN	BORCZUK_MALIGNANT_ME	41	0.34754887	1.0059514	0.4621359	0.86718935	1	1204 tags=37%, list=24%, signal=48%
GSE21927_SPLENIC_C26GM_TUMOROUS_VS_4T1_TUM	GSE21927_SPLENIC_C26GM	48	0.27069467	1.0057812	0.43155894	0.86731113	1	362 tags=15%, list=7%, signal=16%
TTTGAG.MIR-518A-2	TTTGAG.MIR-518A-2	48	0.28039864	1.0055497	0.42998028	0.86762524	1	882 tags=27%, list=18%, signal=33%
GSE3982_EOSINOPHIL_VS_BCELL_UP	GSE3982_EOSINOPHIL_VS_I	75	0.25888574	1.0053844	0.46942446	0.8677641	1	561 tags=16%, list=11%, signal=18%
MORI_SMALL_PRE_BIL_LYMPHOCTE_UP	MORI_SMALL_PRE_BIL_LYMF	30	0.30650777	1.0053154	0.4573055	0.8676223	1	957 tags=30%, list=19%, signal=37%
GSE18791_UNSTIM_VS_NEWCASTLE_VIRUS_DC_2H_DN	GSE18791_UNSTIM_VS_NEV	46	0.2655791	1.0052975	0.4595186	0.8673623	1	1391 tags=35%, list=28%, signal=48%
GO_UROGENITAL_SYSTEM_DEVELOPMENT	GO_UROGENITAL_SYSTEM	134	0.23910359	1.0052136	0.43444228	0.8672862	1	1006 tags=24%, list=20%, signal=29%
GSE22935_UNSTIM_VS_24H_MBOVIS_BCG_STIM_MACR	GSE22935_UNSTIM_VS_24H	68	0.24884047	1.0052001	0.43584907	0.86700743	1	1012 tags=24%, list=20%, signal=29%
NEWMAN_ERCC6_TARGETS_DN	NEWMAN_ERCC6_TARGETS	24	0.35924277	1.0050335	0.4779412	0.86716175	1	1877 tags=54%, list=38%, signal=86%
RICKMAN_HEAD_AND_NECK_CANCER_D	RICKMAN_HEAD_AND_NECK	26	0.35430932	1.0048207	0.44536084	0.86744434	1	367 tags=15%, list=7%, signal=16%
CHR11Q22	CHR11Q22	20	0.36149776	1.0047756	0.48207173	0.8672488	1	874 tags=30%, list=17%, signal=36%
GSE3982_EOSINOPHIL_VS_DC_UP	GSE3982_EOSINOPHIL_VS_I	56	0.26496118	1.0046791	0.4347826	0.86718506	1	1046 tags=30%, list=21%, signal=38%
GO_LIMB_DEVELOPMENT	GO_LIMB_DEVELOPMENT	69	0.27609348	1.0044827	0.4361493	0.8673885	1	882 tags=25%, list=18%, signal=30%
GO_APPENDAGE_DEVELOPMENT	GO_APPENDAGE_DEVELOPI	69	0.27609345	1.0044826	0.4361493	0.8670797	1	882 tags=25%, list=18%, signal=30%
GSE13887_ACT_CD4_VS_NO_TREATED_CD4_TCELL_UP	GSE13887_ACT_CD4_VS_NC	50	0.25464782	1.0043415	0.44217688	0.8671627	1	1201 tags=32%, list=24%, signal=42%
GSE34392_ST2_KO_VS_WT_DAY8_LCMV_EFFECTOR_CDE	GSE34392_ST2_KO_VS_WT_J	75	0.2866156	1.0042658	0.43460765	0.8670548	1	588 tags=17%, list=12%, signal=19%
KRAS.AMP.LUNG_UP_V1_UP	KRAS.AMP.LUNG_UP_V1_UP	53	0.25381637	1.0041463	0.44444444	0.86707556	1	1383 tags=32%, list=28%, signal=44%
GO_REGULATION_OF_CARTILAGE_DEVELOPMENT	GO_REGULATION_OF_CART	30	0.33946118	1.0040075	0.46153846	0.8671487	1	1588 tags=43%, list=32%, signal=63%
GSE43863_NAIVE_VS_LY6C_INT_CRCR5P5_CD4_EFF_T	GSE43863_NAIVE_VS_LY6C	55	0.26312175	1.0039613	0.43786982	0.866971	1	1538 tags=40%, list=31%, signal=57%
GSE29164_DAYS_VS_DAY7_UNTREATED_MELANOMA_I	GSE29164_DAYS_VS_DAY7_	43	0.31861347	1.0038661	0.4491018	0.8669286	1	1121 tags=33%, list=22%, signal=42%
GO_POSITIVE_REGULATION_OF_DNA_BINDING	GO_POSITIVE_REGULATION	17	0.35242438	1.0036559	0.45824847	0.867192	1	1461 tags=41%, list=29%, signal=58%
GO_CELL_FATE_DETERMINATION	GO_CELL_FATE_DETERMINA	17	0.34271923	1.0035557	0.45576924	0.8671707	1	891 tags=29%, list=18%, signal=36%
VSAP4_Q6	VSAP4_Q6	67	0.25915056	1.003511	0.4548872	0.8669872	1	1086 tags=30%, list=22%, signal=38%
MULLIGHAN_NPM1_MUTATED_SIGNATURE_2_DN	MULLIGHAN_NPM1_MUTA	23	0.3313708	1.0034715	0.4750499	0.8667875	1	763 tags=22%, list=15%, signal=26%
GSE2706_UNSTIM_VS_2H_R848_CD	GSE2706_UNSTIM_VS_2H_R	25	0.2828241	1.0029405	0.45546558	0.8679698	1	1007 tags=32%, list=20%, signal=40%
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUS	YAO_TEMPORAL_RESPONSI	30	0.32779655	1.0029348	0.45039684	0.8676746	1	1380 tags=43%, list=28%, signal=59%
GO_POSITIVE_REGULATION_OF_PHOSPHATE_METABOL	GO_POSITIVE_REGULATION	350	0.2278724	1.0028886	0.43371212	0.86750203	1	958 tags=21%, list=19%, signal=24%
GO_POSITIVE_REGULATION_OF_PHOSPHORUS_METAB	GO_POSITIVE_REGULATION	350	0.22787224	1.0028878	0.43371212	0.8671968	1	958 tags=21%, list=19%, signal=24%
GSE24142_DN2_VS_DN3_THYMOCTE_FETAL_DN	GSE24142_DN2_VS_DN3_T	62	0.27226245	1.0027877	0.46015936	0.8671668	1	571 tags=23%, list=11%, signal=25%
GSE9946_MATURE_STIMULATORY_VS_PROSTAGLANDI	GSE9946_MATURE_STIMUL	32	0.29997426	1.0026274	0.46625766	0.8672839	1	952 tags=28%, list=19%, signal=35%
GO_POSITIVE_REGULATION_OF_VASOCONSTRICTION	GO_POSITIVE_REGULATION	16	0.34543914	1.0026246	0.4577603	0.8669869	1	1206 tags=31%, list=24%, signal=41%
GSE39820_TGFbeta1_VS_TGFBETA3_IL6_IL23A_TRE	GSE39820_TGFbeta1_VS_T	53	0.25787142	1.0025787	0.46080306	0.86680245	1	1119 tags=32%, list=22%, signal=41%
GSE3203_UNTREATED_VS_IFNB_TREATED_IL6_BCELL_UP	GSE3203_UNTREATED_VS_I	55	0.27468792	1.0023618	0.46534654	0.8670751	1	1527 tags=42%, list=31%, signal=60%
NABA_MATRISOME	NABA_MATRISOME	461	0.26101637	1.0022501	0.42992425	0.86707604	1	1587 tags=38%, list=32%, signal=51%
ICHIBA_GRAFT_VERSUS_HOST_DISEASE_D7_DN	ICHIBA_GRAFT_VERSUS_HO	15	0.35699335	1.002224	0.44554454	0.8668459	1	651 tags=40%, list=13%, signal=46%
GSE29618_PRE_VS_DAY7_POST_LAV_FLU_VACCINE_MC	GSE29618_PRE_VS_DAY7_P	77	0.2499986	1.0021578	0.44444444	0.8667159	1	1248 tags=34%, list=25%, signal=44%
GSE3982_MEMORY_CD4_TCELL_VS_TH1_UP	GSE3982_MEMORY_CD4_T	49	0.31648803	1.002092	0.47713718	0.8665805	1	908 tags=24%, list=18%, signal=30%
GO_NUCLEOSIDE_TRIPHOSPHATE_METABOLIC_PROCE	GO_NUCLEOSIDE_TRIPHOSI	34	0.29183307	1.0019854	0.4748062	0.86655855	1	703 tags=21%, list=14%, signal=24%
TGCTGAY_UNKNOWN	TGCTGAY_UNKNOWN	152	0.24052554	1.0019475	0.44280443	0.86636174	1	578 tags=16%, list=12%, signal=18%
GO_NEGATIVE_REGULATION_OF_SEQUENCE_SPECIFIC	GO_NEGATIVE_REGULATIO	34	0.2918553	1.0018986	0.4527559	0.86618286	1	835 tags=24%, list=17%, signal=28%
GO_SYSTEM_PROCESS	GO_SYSTEM_PROCESS	468	0.2213924	1.0017265	0.44080147	0.8663528	1	1715 tags=39%, list=34%, signal=54%
GSE7460_CTRL_VS_TGFB_TREATED_ACT_TREG_DN	GSE7460_CTRL_VS_TGFB_TR	62	0.25484252	1.0017194	0.45454547	0.866073	1	669 tags=19%, list=13%, signal=22%
VSSTAT6_Q2	VSSTAT6_Q2	82	0.26963633	1.001347	0.43785852	0.86678666	1	1477 tags=33%, list=30%, signal=46%
GSE15750_WT_VS_TRAF6KO_DAY6_EFF_CD8_TCELL_UP	GSE15750_WT_VS_TRAF6K	48	0.26010093	1.0013379	0.4446565	0.8665008	1	416 tags=13%, list=8%, signal=14%
CHR12Q24	CHR12Q24	28	0.3244323	1.0012965	0.43912175	0.8663127	1	1329 tags=32%, list=27%, signal=44%
GGCAGCT.MIR-22	GGCAGCT.MIR-22	46	0.27183348	1.0011001	0.42613637	0.86654407	1	478 tags=13%, list=10%, signal=14%
GO_EMBRYONIC_ORGAN_DEVELOPMENT	GO_EMBRYONIC_ORGAN_E	155	0.23842512	1.000832	0.4391144	0.8666919	1	891 tags=24%, list=18%, signal=28%
GO_ACTOMYOSIN_STRUCTURE_ORGANIZATION	GO_ACTOMYOSIN_STRUCTU	22	0.32935214	1.0006939	0.46247464	0.8670165	1	910 tags=45%, list=30%, signal=65%
GSE17721_CTRL_VS_PAM3CSK4_4H_BMDC_UP	GSE17721_CTRL_VS_PAM3C	39	0.27809268	1.000673	0.444227	0.86676145	1	1504 tags=41%, list=28%, signal=54%
GO_G_PROTEIN_COUPLED_RECEPTOR_SIGNALING_PAT	GO_G_PROTEIN_COUPLED_I	61	0.25886315	1.0005375	0.43856657	0.86682326	1	1783 tags=43%, list=36%, signal=65%
GSE3982_MAC_VS_BASOPHIL_UP	GSE3982_MAC_VS_BASOPH	47	0.27407187	1.0004089	0.453125	0.8668766	1	388 tags=13%, list=8%, signal=14%
BOQUEST_STEM_CELL_CULTURED_VS_FRESH_UP	BOQUEST_STEM_CELL_CUL1	257	0.27133274	1.0002931	0.4453125	0.8668942	1	1381 tags=37%, list=28%, signal=48%
GSE45365_CD8A_DC_VS_CD11B_CD_IFNAR_KO_MCMV	GSE45365_CD8A_DC_VS_CD	66	0.2532501	1.0002569	0.43410853	0.8668915	1	1349 tags=32%, list=27%, signal=43%
GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_D	GSE39110_UNTREATED_VS	83	0.2667018	1.0002503	0.4623218	0.86640334	1	1155 tags=31%, list=23%, signal=40%
GSE13485_DAY1_VS_DAY21_VF12_VACCINE_PBMC_CD	GSE13485_DAY1_VS_DAY21	26	0.31634653	1.0000842	0.4691358	0.866558	1	1381 tags=38%, list=28%, signal=53%
GO_RESPONSE_TO_WOUNDING	GO_RESPONSE_TO_WOUNE	206	0.24582773	1.0000305	0.45186642	0.8664041	1	942 tags=21%, list=19%, signal=25%
GSE3982_EFF_MEMORY_VS_CENT_MEMORY_CD4_TCELL	GSE3982_EFF_MEMORY_VS	70	0.2575863	1.0000011	0.46090534	0.8661773	1	765 tags=21%, list=15%, signal=25%
VSEGR_Q6	VSEGR_Q6	64	0.25442633	0.9999642	0.46182495	0.8659719	1	770 tags=22%, list=15%, signal=26%
GO_ORGANIC_ACID_BINDING	GO_ORGANIC_ACID_BINDI	61	0.25811252	0.99988306	0.4609929	0.86589473	1	1508 tags=43%, list=30%, signal=61%
WCAANNYCAG_UNKNOWN	WCAANNYCAG_UNKNOWN	51	0.25786003	0.9998583	0.46007603	0.8656605	1	954 tags=25%, list=19%, signal=31%
GSE23502_BM_VS_COLON_TUMOR_HDC_KO_MYELOID	GSE23502_BM_VS_COLON_	67	0.27159393	0.99971783	0.44324324	0.8657243	1	1089 tags=28%, list=22%, signal=36%
GO_CLUSTER_OF_ACTIN_BASED_CELL_PROJECTIONS	GO_CLUSTER_OF_ACTIN_BA	39	0.26991493	0.9996705	0.46498054	0.86569464	1	1039 tags=36%, list=21%, signal=45%
GO_RESPONSE_TO_ORGANIC_CYCLIC_COMPOUND	GO_RESPONSE_TO_ORGAN	342	0.22223838	0.99949706	0.4371482	0.86569196	1	1131 tags=25%, list=23%, signal=31%
GO_CENTRAL_NERVOUS_SYSTEM_NEURON_DEVELOP	GO_CENTRAL_NERVOUS_S	25	0.31373367	0.9994518	0.46992448	0.8655064	1	1722 tags=56%, list=34%, signal=85%
GO_VOLTAGE_GATED_POTASSIUM_CHANNEL_ACTIVITY	GO_VOLTAGE_GATED_POTI	32	0.28968036	0.9994254	0.44973546	0.8652776	1	398 tags=19%, list=8%, signal=20%
GSE27786_BCELL_VS_NKCELL_UP	GSE27786_BCELL_VS_NKCEI	30	0.28081712	0.9994168	0.43023255	0.8649974	1	1591 tags=47%, list=32%, signal=68%
GO_DRUG_METABOLIC_PROCESS	GO_DRUG_METABOLIC_PRC	17	0.35702342	0.99933016	0.46395564	0.8649118	1	1945 tags=71%, list=39%, signal=115%
GSE23925_LIGHT_ZONE_VS_NAIVE_BCELL_DN	GSE23925_LIGHT_ZONE_VS	32	0.28081328	0.999182	0.453125	0.86497194	1	923 tags=25%, list=18%, signal=30%
NGUYEN_NOTCH1_TARGETS_DN	NGUYEN_NOTCH1_TARGET	27	0.3307335	0.9986079	0.44827586	0.8662245	1	234 tags=15%, list=5%, signal=15%
GSE15735_2H_VS_12H_HDAC_INHIBITOR_TREATED_CD	GSE15735_2H_VS_12H_HD	22	0.27199036	0.99859965	0.44399184	0.8659416	1	752 tags=22%, list=15%, signal=26%
YAMASHITA_LIVER_CANCER_STEM_CELL_UP	YAMASHITA_LIVER_CANCER	28	0.30635247	0.9984105	0.44779116	0.86613077	1	503 tags=18%, list=10%, signal=20%
GO_ORGANONITROGEN_COMPOUND_CATABOLIC_PRC	GO_ORGANONITROGEN_CI	111	0.24965079	0.99815				

GSE32901_TH1_VS_TH17_ENRICHED_CD4_TCELL_UP	GSE32901_TH1_VS_TH17_ET	43	0.31329945	0.99457234	0.4639376	0.8695354	1	882	tags=28%, list=18%, signal=34%
GO_INTRINSIC_COMPONENT_OF_ORGANELLE_MEMBER	GO_INTRINSIC_COMPONENT	46	0.28323121	0.99449015	0.45857418	0.8694555	1	1293	tags=33%, list=26%, signal=44%
GO_RECEPTOR_COMPLEX_MODULE_274	GO_RECEPTOR_COMPLEX_MODULE_274	115	0.25427946	0.994401	0.4509804	0.86939067	1	1407	tags=33%, list=28%, signal=45%
GO_POTASSIUM_ION_TRANSMEMBRANE_TRANSPORT	GO_POTASSIUM_ION_TRANSMEMBRANE_TRANSPORT	31	0.30131873	0.99431485	0.46632996	0.86932415	1	1085	tags=29%, list=22%, signal=37%
GO_UNSTIM_VS_RESTIM_TH1_DAYS_POST_POLA	GSE26030_UNSTIM_VS_RES	49	0.26642677	0.9942718	0.46139705	0.8691315	1	672	tags=20%, list=13%, signal=23%
GO_ACTIN_FILAMENT_BINDING	GO_ACTIN_FILAMENT_BINDING	52	0.26091178	0.99409026	0.46216768	0.86932147	1	918	tags=25%, list=18%, signal=30%
V5STAT5_Q2	V5STAT5_Q2	32	0.2901554	0.99384314	0.47058824	0.86970747	1	1688	tags=50%, list=34%, signal=75%
GSE25088_CTRL_VS_IL4_STIM_FOLICULAR_UP	GSE25088_CTRL_VS_IL4_STI	63	0.26557258	0.9938338	0.43664718	0.8694314	1	1395	tags=35%, list=28%, signal=48%
GSE28737_BCL6_HET_VS_BCL6_KO_MACROPHAGE_BCELL	GSE28737_BCL6_HET_VS_BK	46	0.27627614	0.99371505	0.42857143	0.86945724	1	989	tags=26%, list=20%, signal=32%
GSE39820_CTRL_VS_TGFBETA3_IL6_IL23A_CD4_TCELL_UP	GSE39820_CTRL_VS_TGFBET	55	0.2720174	0.99345285	0.4371002	0.86984587	1	688	tags=20%, list=14%, signal=23%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	36	0.26391217	0.9934221	0.49067163	0.8696293	1	349	tags=19%, list=7%, signal=21%
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_S2I	GSE43955_TH0_VS_TGFB_IL	25	0.31445688	0.9933592	0.4769539	0.8695051	1	291	tags=12%, list=6%, signal=13%
GO_REGULATION_OF_GTPASE_ACTIVITY_MODULE_379	GO_REGULATION_OF_GTPA	87	0.29631957	0.9933558	0.44847327	0.8692146	1	732	tags=21%, list=15%, signal=24%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	72	0.2496532	0.9927685	0.45489442	0.8705258	1	1024	tags=25%, list=20%, signal=31%
GO_REGULATION_OF_GTPASE_ACTIVITY_MODULE_379	GO_REGULATION_OF_GTPA	188	0.2297127	0.99255645	0.4619666	0.8708217	1	941	tags=21%, list=19%, signal=25%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	69	0.24896179	0.9915823	0.46014494	0.8731645	1	694	tags=17%, list=14%, signal=20%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	82	0.27742994	0.9912693	0.45528457	0.87370527	1	1859	tags=48%, list=37%, signal=74%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	39	0.27427858	0.9911529	0.4576923	0.87370294	1	1380	tags=41%, list=28%, signal=56%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	48	0.25817142	0.9911407	0.4661017	0.8734322	1	810	tags=19%, list=16%, signal=22%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	24	0.3318135	0.9910526	0.46138212	0.8733632	1	852	tags=21%, list=17%, signal=25%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	30	0.30501798	0.9910209	0.4704797	0.873152	1	340	tags=17%, list=7%, signal=18%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	30	0.30501795	0.9910208	0.4704797	0.87285256	1	340	tags=17%, list=7%, signal=18%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	18	0.33328182	0.99090666	0.47868216	0.8728572	1	1620	tags=56%, list=32%, signal=82%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	49	0.27868742	0.99074644	0.44382024	0.87298036	1	1516	tags=41%, list=30%, signal=67%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	46	0.27187375	0.9905983	0.4552381	0.87310827	1	987	tags=28%, list=20%, signal=35%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	42	0.29180703	0.9904632	0.4843462	0.8731704	1	924	tags=29%, list=18%, signal=35%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	47	0.2635887	0.9902516	0.47468355	0.8734123	1	1410	tags=34%, list=28%, signal=47%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	67	0.2902328	0.9901786	0.4305835	0.8733317	1	1418	tags=36%, list=28%, signal=49%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	31	0.27886412	0.9901179	0.45945945	0.8731926	1	1358	tags=33%, list=27%, signal=44%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	31	0.30708832	0.9898433	0.45050055	0.8736465	1	1383	tags=39%, list=28%, signal=53%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	35	0.2721558	0.9898034	0.45489552	0.8734497	1	611	tags=20%, list=12%, signal=23%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	39	0.28627992	0.98966414	0.4665392	0.87351143	1	1189	tags=31%, list=24%, signal=40%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	51	0.2670006	0.9896621	0.45142856	0.8732194	1	1013	tags=25%, list=20%, signal=30%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	68	0.25405014	0.98962134	0.48467433	0.87304085	1	1380	tags=37%, list=28%, signal=50%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	36	0.2948163	0.9896209	0.4486692	0.87279135	1	797	tags=22%, list=16%, signal=26%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	70	0.2810709	0.98957664	0.47713718	0.8725613	1	1022	tags=27%, list=20%, signal=34%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	51	0.2899563	0.98957366	0.48336595	0.87227166	1	951	tags=25%, list=19%, signal=31%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	164	0.23722221	0.98956716	0.47134936	0.8719903	1	1493	tags=35%, list=30%, signal=49%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	48	0.2689661	0.98955786	0.4699029	0.87171745	1	700	tags=23%, list=14%, signal=26%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	38	0.2628891	0.98946553	0.47848538	0.87169075	1	1217	tags=37%, list=24%, signal=48%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	91	0.24097463	0.9894374	0.45833334	0.87147266	1	940	tags=24%, list=19%, signal=29%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	63	0.2546399	0.9894289	0.46577945	0.87119585	1	1299	tags=32%, list=26%, signal=42%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	40	0.26055208	0.9893655	0.48479086	0.87108165	1	889	tags=25%, list=18%, signal=30%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	49	0.2679652	0.9893579	0.47017545	0.8708051	1	1363	tags=47%, list=27%, signal=64%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	59	0.26345697	0.98932785	0.46336633	0.8705882	1	1725	tags=49%, list=35%, signal=74%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	39	0.27197972	0.98926103	0.46523616	0.87047726	1	764	tags=23%, list=15%, signal=27%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	37	0.28442279	0.9891282	0.4692623	0.8705172	1	832	tags=22%, list=17%, signal=26%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	38	0.2750458	0.98909384	0.4777563	0.8703109	1	1012	tags=32%, list=20%, signal=39%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	15	0.36365873	0.9889022	0.47841728	0.87054586	1	625	tags=20%, list=13%, signal=23%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	169	0.22654344	0.9887144	0.4425926	0.8707478	1	1371	tags=34%, list=27%, signal=46%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	24	0.29875386	0.9883769	0.50401604	0.8713443	1	1021	tags=33%, list=20%, signal=42%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	45	0.2790866	0.9880787	0.4732143	0.87187374	1	1301	tags=33%, list=26%, signal=45%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	31	0.29448533	0.9879815	0.45294118	0.8718241	1	764	tags=19%, list=15%, signal=23%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	39	0.26667637	0.9879208	0.46153846	0.8716915	1	1494	tags=49%, list=30%, signal=69%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	55	0.26212683	0.98791677	0.4811321	0.87140566	1	703	tags=20%, list=14%, signal=23%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	29	0.30182394	0.9879102	0.46938777	0.8711265	1	770	tags=21%, list=15%, signal=24%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	70	0.24500671	0.98779	0.46450305	0.8711474	1	1175	tags=23%, list=19%, signal=28%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	71	0.28064674	0.9877456	0.4606299	0.8709593	1	1264	tags=38%, list=25%, signal=50%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	24	0.31436792	0.987734	0.4642857	0.870692	1	1936	tags=58%, list=39%, signal=95%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	45	0.27908185	0.9877182	0.48185483	0.8704415	1	689	tags=27%, list=14%, signal=31%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	69	0.2648154	0.9876578	0.45009416	0.8703087	1	593	tags=14%, list=12%, signal=16%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	67	0.27123434	0.98750806	0.46247464	0.8704065	1	571	tags=18%, list=11%, signal=20%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	168	0.24426258	0.9872813	0.45545546	0.8707431	1	1115	tags=25%, list=22%, signal=31%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	40	0.30371457	0.9868908	0.47522935	0.8714671	1	1007	tags=28%, list=20%, signal=34%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	34	0.29407558	0.98656625	0.4678715	0.8720606	1	1470	tags=38%, list=29%, signal=54%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	18	0.35709736	0.98648524	0.46615088	0.8719797	1	579	tags=28%, list=12%, signal=31%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	16	0.34016103	0.9863974	0.47476634	0.8719081	1	1145	tags=31%, list=23%, signal=40%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	20	0.33139136	0.98637205	0.4697286	0.8716716	1	442	tags=20%, list=9%, signal=22%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	26	0.3315757	0.9861584	0.4854369	0.87194985	1	543	tags=23%, list=11%, signal=26%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	47	0.2938873	0.98600316	0.48362234	0.87205684	1	749	tags=26%, list=15%, signal=30%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	30	0.29309177	0.9859524	0.5018797	0.87191087	1	257	tags=13%, list=5%, signal=14%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	41	0.30349454	0.9859083	0.5019231	0.8717435	1	1010	tags=29%, list=20%, signal=36%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	43	0.26429093	0.98589385	0.5064465	0.8714844	1	465	tags=16%, list=9%, signal=18%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	81	0.24144147	0.98587716	0.47490346	0.8712295	1	1158	tags=31%, list=23%, signal=40%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	81	0.24976532	0.9856419	0.48295453	0.87156165	1	1178	tags=30%, list=24%, signal=38%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	27	0.28436407	0.9856117	0.48406374	0.8713493	1	1488	tags=37%, list=30%, signal=52%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	27	0.2951151	0.98546654	0.4894434	0.871484	1	1378	tags=41%, list=28%, signal=56%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	20	0.3624528	0.98522097	0.46464646	0.8718236	1	1529	tags=50%, list=31%, signal=72%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	49	0.26356564	0.9849851	0.45454547	0.8721572	1	2022	tags=55%, list=40%, signal=92%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	240	0.26757023	0.98491967	0.46285716	0.87204343	1	1218	tags=33%, list=24%, signal=42%
TAKEDA_TARGETS_OF_NUP98_HOKAS_FUSION_8D_UP	TAKEDA_TARGETS_OF_NUP	48							

GO_GAMETE_GENERATION	GO_GAMETE_GENERATION	154	0.21656105	0.98176783	0.4920635	0.8722708	1	824	tags=19%, list=16%, signal=23%
GSE8621_LPS_PRIMED_UNSTIM_VS_LPS_PRIMED_AND_I	GSE8621_LPS_PRIMED_UNSTIM_VS_LPS_PRIMED_AND_I	38	0.2754628	0.9817491	0.4576613	0.8720257	1	1407	tags=42%, list=28%, signal=58%
GSE2770_IL12_VS_TGFB_AND_IL12_TREATED_ACT_CD4	GSE2770_IL12_VS_TGFB_AND_IL12_TREATED_ACT_CD4	45	0.2602468	0.9816315	0.4908425	0.8720732	1	1102	tags=29%, list=22%, signal=37%
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_4H	GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_4H	59	0.2867904	0.98151827	0.47272727	0.872025	1	728	tags=20%, list=15%, signal=24%
GSE8921_UNSTIM_0H_VS_TLR2_STIM_MONOCYTE_3H	GSE8921_UNSTIM_0H_VS_TLR2_STIM_MONOCYTE_3H	48	0.2578169	0.98135614	0.4773585	0.8721301	1	1623	tags=40%, list=32%, signal=58%
GSE43955_1H_VS_10H_ACT_CD4_TCELL_WITH_TGFB_IL6	GSE43955_1H_VS_10H_ACT_CD4_TCELL_WITH_TGFB_IL6	49	0.24728504	0.9812355	0.4821803	0.8721628	1	917	tags=24%, list=18%, signal=30%
JAAFINEN_HEMATOPOIETIC STEM CELL_UP	JAAFINEN_HEMATOPOIETIC STEM CELL_UP	130	0.24075595	0.9811695	0.47826087	0.8720402	1	1134	tags=32%, list=23%, signal=40%
GSE10239_NAIVE_VS_MEMORY_CD8_TCELL_DN	GSE10239_NAIVE_VS_MEMORY_CD8_TCELL_DN	55	0.26311147	0.9811335	0.46351084	0.87189656	1	785	tags=18%, list=16%, signal=21%
GSE32423_MEMORY_VS_NAIVE_CD8_TCELL_IL7_DN	GSE32423_MEMORY_VS_NAIVE_CD8_TCELL_IL7_DN	38	0.26865512	0.9810703	0.48054475	0.8717097	1	584	tags=21%, list=12%, signal=24%
GSE15324_ELF4_KO_VS_WT_NAIVE_CD8_TCELL_DN	GSE15324_ELF4_KO_VS_WT_NAIVE_CD8_TCELL_DN	67	0.23975807	0.980995	0.46857142	0.8716046	1	1400	tags=36%, list=28%, signal=49%
CAIRO_LIVER_DEVELOPMENT_UP	CAIRO_LIVER_DEVELOPMENT_UP	79	0.28493744	0.98088	0.47368422	0.87161225	1	1189	tags=30%, list=24%, signal=39%
GSE40666_WT_VS_STAT4_KO_CD8_TCELL_WITH_IFNA_5	GSE40666_WT_VS_STAT4_KO_CD8_TCELL_WITH_IFNA_5	59	0.2733918	0.9808206	0.4681275	0.8714669	1	1426	tags=37%, list=29%, signal=52%
GO_CELLULAR_MONOVALENT_INORGANIC_CATION_HC	GO_CELLULAR_MONOVALENT_INORGANIC_CATION_HC	35	0.27142534	0.98076445	0.47992352	0.8713387	1	682	tags=20%, list=14%, signal=23%
GO_REGULATION_OF_CALCIUM_ION_TRANSPORT_INTIC	GO_REGULATION_OF_CALCIUM_ION_TRANSPORT_INTIC	32	0.32019114	0.98070407	0.4731801	0.87119746	1	1506	tags=41%, list=30%, signal=58%
GSE1925_CTRL_VS_24H_IFNG_STIM_IFNG_PRIMED_MAC	GSE1925_CTRL_VS_24H_IFNG_STIM_IFNG_PRIMED_MAC	54	0.2548651	0.9806855	0.48824593	0.87095535	1	441	tags=15%, list=9%, signal=16%
WANG_TUMOR_INVASIVENESS_DN	WANG_TUMOR_INVASIVENESS_DN	35	0.26245436	0.98053604	0.4731405	0.87108433	1	1218	tags=34%, list=24%, signal=45%
GSE34156_TLR1_TLR2_LIGAND_VS_NOD2_AND_TLR1_TL	GSE34156_TLR1_TLR2_LIGAND_VS_NOD2_AND_TLR1_TL	59	0.2531649	0.9802255	0.47299814	0.87162983	1	889	tags=22%, list=18%, signal=21%
ATATGCA_MIR-448	ATATGCA_MIR-448	64	0.26870838	0.98017967	0.49306932	0.87144846	1	678	tags=19%, list=14%, signal=21%
GO_DICARBOXYLIC_ACID_TRANSPORT	GO_DICARBOXYLIC_ACID_TRANSPORT	22	0.30717862	0.9800479	0.4857143	0.871513	1	1470	tags=45%, list=29%, signal=64%
GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_A	GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_A	47	0.26182762	0.9799178	0.48015872	0.87156194	1	941	tags=21%, list=19%, signal=26%
GSE40685_NAIVE_CD4_TCELL_VS_FOXP3_KO_TREG_PRE	GSE40685_NAIVE_CD4_TCELL_VS_FOXP3_KO_TREG_PRE	58	0.25605103	0.97987276	0.4755639	0.87139106	1	1352	tags=36%, list=27%, signal=49%
GSE2405_HEAT_KILLED_LYSATE_VS_LIVE_A_PHAGOCY	GSE2405_HEAT_KILLED_LYSATE_VS_LIVE_A_PHAGOCY	62	0.23477271	0.97980446	0.4916512	0.8712968	1	1165	tags=29%, list=23%, signal=37%
GO_PROTEOGLYCAN_BIOSYNTHETIC_PROCESS	GO_PROTEOGLYCAN_BIOSYNTHETIC_PROCESS	21	0.32931313	0.9797967	0.5072464	0.87102574	1	1192	tags=43%, list=24%, signal=56%
YATATITNR_VSMF2_02	YATATITNR_VSMF2_02	222	0.22155921	0.97977996	0.51301116	0.8707833	1	861	tags=20%, list=17%, signal=23%
GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_1MON	GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_1MON	25	0.30314592	0.97977614	0.47530866	0.8705057	1	291	tags=12%, list=6%, signal=13%
PID_FCER1_PATHWAY	PID_FCER1_PATHWAY	20	0.36361971	0.979725	0.48118812	0.87034506	1	1363	tags=40%, list=27%, signal=49%
REACTOME_SIGNALING_BY_RHO_GTPASES	REACTOME_SIGNALING_BY_RHO_GTPASES	31	0.28937307	0.9796424	0.4855372	0.8702646	1	700	tags=23%, list=14%, signal=26%
GSE5445_HEALTHY_VS_TUMOR_BEARING_MOUSE_SPLE	GSE5445_HEALTHY_VS_TUMOR_BEARING_MOUSE_SPLE	60	0.2568857	0.9795509	0.47412008	0.87022424	1	1487	tags=35%, list=30%, signal=49%
GSE36888_UNTREATED_VS_IL2_TREATED_STATS_AB_KN	GSE36888_UNTREATED_VS_IL2_TREATED_STATS_AB_KN	75	0.2506508	0.97954285	0.48518518	0.8699596	1	622	tags=19%, list=12%, signal=21%
GSE2770_IL4_ACT_VS_ACT_CD4_TCELL_48H_UP	GSE2770_IL4_ACT_VS_ACT_CD4_TCELL_48H_UP	45	0.258458	0.97945833	0.5137255	0.86988574	1	893	tags=27%, list=18%, signal=32%
GSE23505_UNTREATED_VS_4DAY_IL6_IL1_TREATED_CD	GSE23505_UNTREATED_VS_4DAY_IL6_IL1_TREATED_CD	72	0.24567786	0.9790461	0.49360147	0.8706632	1	1353	tags=33%, list=27%, signal=45%
GSE22886_JGG_JGA_MEMORY_BCELL_VS_BM_PLASMA	GSE22886_JGG_JGA_MEMORY_BCELL_VS_BM_PLASMA	34	0.32387364	0.97863376	0.4830827	0.8714608	1	852	tags=29%, list=17%, signal=35%
GO_POSITIVE_REGULATION_OF_LIPID_TRANSPORT	GO_POSITIVE_REGULATION_OF_LIPID_TRANSPORT	24	0.315475	0.9785728	0.48336595	0.8713372	1	249	tags=13%, list=5%, signal=13%
GO_RESPONSE_TO_LIGHT_STIMULUS	GO_RESPONSE_TO_LIGHT_STIMULUS	64	0.23513009	0.9785655	0.5	0.8710661	1	981	tags=25%, list=20%, signal=31%
GO_PROTEIN_HOMODIMERIZATION_ACTIVITY	GO_PROTEIN_HOMODIMERIZATION_ACTIVITY	219	0.21664468	0.97853374	0.48393196	0.8708664	1	1145	tags=26%, list=23%, signal=32%
GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_A	GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_A	22	0.30522224	0.97819364	0.47440946	0.87145215	1	255	tags=18%, list=5%, signal=19%
MENSE_HYPOXIA_UP	MENSE_HYPOXIA_UP	35	0.3782457	0.9779651	0.48565966	0.8717438	1	234	tags=14%, list=5%, signal=15%
GSE360_HIGH_VS_LOW_DOSE_B_MALAYL_MAC_DN	GSE360_HIGH_VS_LOW_DOSE_B_MALAYL_MAC_DN	49	0.2176103	0.97795075	0.4767932	0.8714926	1	92	tags=16%, list=10%, signal=18%
GSE46606_IRF4HIGH_VS_IRF4MID_CD40L2_IL2_DAY3	GSE46606_IRF4HIGH_VS_IRF4MID_CD40L2_IL2_DAY3	25	0.30099314	0.97791976	0.48851773	0.8712813	1	1513	tags=56%, list=30%, signal=80%
ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGET	ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGET	39	0.28419995	0.97769195	0.49301398	0.8715789	1	877	tags=21%, list=18%, signal=25%
GO_MITOCHONDRION	GO_MITOCHONDRION	281	0.20558356	0.9776818	0.4768089	0.87131435	1	1083	tags=24%, list=22%, signal=29%
GSE29618_BCELL_VS_PDC_DN	GSE29618_BCELL_VS_PDC_DN	58	0.26115155	0.97766274	0.47717842	0.8710791	1	1133	tags=29%, list=23%, signal=37%
GO_RESPONSE_TO_ALCOHOL	GO_RESPONSE_TO_ALCOHOL	152	0.22827998	0.97752917	0.4848485	0.87113863	1	854	tags=22%, list=17%, signal=25%
VSPAX_Q6	VSPAX_Q6	92	0.23470381	0.97749394	0.47368422	0.870948	1	968	tags=24%, list=19%, signal=29%
GSE40666_NAIVE_VS_EFFECTOR_CD8_TCELL_UP	GSE40666_NAIVE_VS_EFFECTOR_CD8_TCELL_UP	63	0.2585715	0.97727686	0.48670757	0.8712065	1	1047	tags=25%, list=21%, signal=32%
NAKAMURA_ADIPOGENESIS_EARLY_DN	NAKAMURA_ADIPOGENESIS_EARLY_DN	22	0.38672206	0.9771136	0.5106796	0.87133604	1	1460	tags=45%, list=29%, signal=64%
GO_NEURAL_CREST_CELL_DIFFERENTIATION	GO_NEURAL_CREST_CELL_DIFFERENTIATION	41	0.31193557	0.9770987	0.49335864	0.8710858	1	629	tags=27%, list=13%, signal=30%
GAANYNYGACNY_UNKNOWN	GAANYNYGACNY_UNKNOWN	20	0.3121191	0.9765629	0.4647619	0.8721722	1	1297	tags=45%, list=26%, signal=61%
GO_POSITIVE_REGULATION_OF_MYELOID_LEUKOCYTE	GO_POSITIVE_REGULATION_OF_MYELOID_LEUKOCYTE	20	0.34764785	0.9762666	0.484556	0.8726605	1	882	tags=25%, list=18%, signal=30%
GO_NEGATIVE_REGULATION_OF_TRANSCRIPTION_FRO	GO_NEGATIVE_REGULATION_OF_TRANSCRIPTION_FRO	207	0.22013846	0.9762311	0.4766537	0.87245923	1	893	tags=20%, list=18%, signal=24%
GO_POSITIVE_REGULATION_OF_PROTEIN_SERINE_THRE	GO_POSITIVE_REGULATION_OF_PROTEIN_SERINE_THRE	92	0.23868345	0.97619593	0.49518305	0.8722774	1	1416	tags=30%, list=28%, signal=42%
GSE39820_TGFBETA1_IL6_VS_TGFBETA1_IL6_IL23A	GSE39820_TGFBETA1_IL6_VS_TGFBETA1_IL6_IL23A	43	0.27235922	0.97605205	0.47035572	0.8723559	1	818	tags=21%, list=17%, signal=25%
GSE3982_CTRL_VS_LPS_48H_CDUP	GSE3982_CTRL_VS_LPS_48H_CDUP	60	0.24703574	0.97597307	0.47058824	0.8722851	1	881	tags=23%, list=18%, signal=28%
GSE30083_S1_VS_S1_THYMOCYTE_UP	GSE30083_S1_VS_S1_THYMOCYTE_UP	50	0.25209004	0.9758851	0.49149337	0.8722221	1	638	tags=18%, list=13%, signal=20%
GO_POTASSIUM_CHANNEL_ACTIVITY	GO_POTASSIUM_CHANNEL_ACTIVITY	45	0.26532632	0.9755437	0.46631205	0.8728215	1	672	tags=20%, list=13%, signal=23%
GO_POSITIVE_REGULATION_OF_TRANSFERASE_ACTIV	GO_POSITIVE_REGULATION_OF_TRANSFERASE_ACTIV	180	0.21165307	0.9754446	0.4770115	0.8727972	1	957	tags=22%, list=19%, signal=26%
ESC_J1_UP_EARLY_V1_DN	ESC_J1_UP_EARLY_V1_DN	59	0.25314265	0.9754526	0.46854663	0.8725325	1	1462	tags=39%, list=29%, signal=54%
GO_RESPONSE_TO_ZINC_ION	GO_RESPONSE_TO_ZINC_ION	22	0.30641487	0.97513723	0.491453	0.8730243	1	313	tags=14%, list=6%, signal=14%
GSE22140_GERMFREE_VS_SPF_ARTHRITIC_MOUSE_CD4	GSE22140_GERMFREE_VS_SPF_ARTHRITIC_MOUSE_CD4	69	0.29266852	0.97508997	0.4697286	0.8728615	1	693	tags=20%, list=14%, signal=23%
GSE3982_MAST_CELL_VS_CENT_MEMORY_CD4_TCELL	GSE3982_MAST_CELL_VS_CENT_MEMORY_CD4_TCELL	42	0.27670157	0.97495914	0.48638132	0.8729186	1	1361	tags=36%, list=27%, signal=49%
GSE1791_CTRL_VS_NEUROMEDININ_IN_T_CELL_LINE_6H	GSE1791_CTRL_VS_NEUROMEDININ_IN_T_CELL_LINE_6H	29	0.29970258	0.97471595	0.5020408	0.87329596	1	1017	tags=34%, list=20%, signal=43%
GSE17721_0.5H_VS_8H_POLYIC_BMDC_UP	GSE17721_0.5H_VS_8H_POLYIC_BMDC_UP	36	0.2656524	0.97435	0.49015749	0.8734752	1	856	tags=28%, list=17%, signal=33%
VSSMAD3_Q6	VSSMAD3_Q6	78	0.2466641	0.9741559	0.5	0.87419367	1	946	tags=24%, list=19%, signal=30%
MODULE_129	MODULE_129	108	0.25928742	0.9741435	0.48828125	0.87393755	1	758	tags=21%, list=15%, signal=25%
GSE17721_0.5H_VS_4H_LPS_BMDC_UP	GSE17721_0.5H_VS_4H_LPS_BMDC_UP	28	0.2942359	0.9741213	0.49158877	0.8737107	1	689	tags=29%, list=14%, signal=33%
GSE12198_CTRL_VS_HIGH_IL2_STIM_NK_CELL_UP	GSE12198_CTRL_VS_HIGH_IL2_STIM_NK_CELL_UP	59	0.23908453	0.9740824	0.49429658	0.873524	1	1363	tags=36%, list=27%, signal=48%
VSPR_Q2	VSPR_Q2	85	0.2450873	0.97395587	0.47445256	0.8735687	1	1301	tags=31%, list=26%, signal=41%
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_4	GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_4	65	0.2631465	0.9738636	0.4985348	0.8735385	1	1322	tags=34%, list=26%, signal=45%
GO_NEGATIVE_REGULATION_OF_CATALYTIC_ACTIVIT	GO_NEGATIVE_REGULATION_OF_CATALYTIC_ACTIVIT	248	0.22111605	0.9737054	0.48183557	0.87367594	1	942	tags=22%, list=19%, signal=25%
KAAB_FAILED_HEART_ATRIUM_DN	KAAB_FAILED_HEART_ATRIUM_DN	23	0.32668462	0.9734922	0.4688172	0.8739457	1	736	tags=30%, list=15%, signal=36%
MODULE_2	MODULE_2	222	0.2771069	0.9734479	0.48183557	0.873771	1	1470	tags=40%, list=29%, signal=54%
GO_PROTEIN_PHOSPHATASE_BINDING	GO_PROTEIN_PHOSPHATASE_BINDING	25	0.27678397	0.9734413	0.5	0.8735018	1	159	tags=12%, list=3%, signal=12%
GO_GLIAL_CELL_MIGRATION	GO_GLIAL_CELL_MIGRATION	17	0.3649261	0.97342557	0.51663405	0.8732525	1	1525	tags=47%, list=31%, signal=62%
GO_REGULATION_OF_TYROSINE_PHOSPHORYLATI	GO_REGULATION_OF_TYROSINE_PHOSPHORYLATI	32	0.31836573	0.9733077	0.4951267	0.87327415	1	461	tags=16%, list=9%, signal=17%
GO_CENTRAL_NERVOUS_SYSTEM_DEVELOPMENT	GO_CENTRAL_NERVOUS_SYSTEM_DEVELOPMENT	305	0.2099357	0.9732756	0.48370498	0.8730599	1	1017	tags=24%, list=20%, signal=29%
GSE33292_DN3_THYMOCYTE_VS_TCF1_KO_TCELL_LYMF	GSE33292_DN3_THYMOCYTE_VS_TCF1_KO_TCELL_LYMF	71	0.30474803	0.973229	0.48221344	0.8729009	1	687	tags=20%, list=14%, signal=23%
REACTOME_G_ALPHA_Z_SIGNALING_EVENTS	REACTOME_G_ALPHA_Z_SIGNALING_EVENTS	15	0.32021558	0.97317696	0.48518518	0.8727473	1	974	tags=33%, list=19%, signal=41%
GSE20366_TREG_VS_NAIVE_CD4_TCELL_DEC205_CONV	GSE20366_TREG_VS_NAIVE_CD4_TCELL_DEC205_CONV	73	0.24515682	0.9730383	0.48255813	0.87283707	1	1098	tags=23%, list=22%, signal=29%
GO_FATTY_ACID_BIOSYNTHETIC_PROCESS	GO_FATTY_ACID_BIOSYNTHETIC_PROCESS	41							



GSE37301_MULTIPOTENT_PROGENITOR_VS_GRAN_MO	GSE37301_MULTIPOTENT_F	68	0.27944723	0.96931744	0.47582206	0.87409007	1	736 tags=22%, list=15%, signal=26%
GO_PROTEIN_POLYMERIZATION	GO_PROTEIN_POLYMERIZA	1	0.31986433	0.9692501	0.49278352	0.8739418	1	1461 tags=44%, list=29%, signal=62%
GSE5589_WT_VS_IL10_KO_LPS_STIM_MACROPHAGE_18	GSE5589_WT_VS_IL10_KO_L	51	0.27567446	0.9691168	0.48508945	0.8740004	1	1080 tags=31%, list=22%, signal=40%
GO_OLIGOSACCHARIDE_METABOLIC_PROCESS	GO_OLIGOSACCHARIDE_MI	16	0.36366204	0.96873623	0.5196998	0.8747298	1	1428 tags=44%, list=29%, signal=61%
GO_POSITIVE_REGULATION_OF_CARBOHYDRATE_META	GO_POSITIVE_REGULATION	26	0.3089877	0.96866834	0.5122873	0.8746232	1	985 tags=27%, list=20%, signal=33%
TCANNTGAY_VSR8P1_01	TCANNTGAY_VSR8P1_01	110	0.22528509	0.96862507	0.50766283	0.8744568	1	1412 tags=31%, list=28%, signal=42%
GO_REGULATION_OF_CALCIIUM_ION_TRANSMEMBRAN	GO_REGULATION_OF_CALC	25	0.2036218	0.9684631	0.51660514	0.8746074	1	1264 tags=40%, list=25%, signal=53%
GO_REGULATION_OF_GLIAL_CELL_DIFFERENTIATION	GO_REGULATION_OF_GLIA	20	0.33747616	0.9683038	0.47242647	0.87475747	1	975 tags=20%, list=20%, signal=25%
GSE36826_NORMAL_VS_STAPH_AUREUS_INF_IL1R_KO_3	GSE36826_NORMAL_VS_ST	35	0.30835888	0.9679682	0.48015872	0.87533337	1	1189 tags=34%, list=24%, signal=45%
GO_NUCLEAR_PERIPHERY	GO_NUCLEAR_PERIPHERY	19	0.32754533	0.9678326	0.4969574	0.87540495	1	1162 tags=47%, list=23%, signal=61%
GO_CELLULAR_PROCESS_INVOLVED_IN_REPRODUCTION	GO_CELLULAR_PROCESS_IN	68	0.23925479	0.9676555	0.50642204	0.8755522	1	770 tags=22%, list=15%, signal=26%
GO_REGULATION_OF_WOUND_HEALING	GO_REGULATION_OF_WOU	51	0.2828756	0.9675935	0.5018797	0.8754457	1	1407 tags=31%, list=28%, signal=43%
GSE18281_CORTICAL_THYMOCYTE_VS_WHOLE_CORTE	GSE18281_CORTICAL_THYM	48	0.26572388	0.96750367	0.4833006	0.87539405	1	772 tags=19%, list=15%, signal=22%
GSE41867_DAY8_EFFECTOR_VS_DAY30_MEMORY_CD8_	GSE41867_DAY8_EFFECTOR	25	0.3157989	0.96738183	0.47808766	0.87543964	1	889 tags=24%, list=18%, signal=29%
GO_PEPTIDASE_INHIBITOR_ACTIVITY	GO_PEPTIDASE_INHIBITOR	76	0.25016677	0.9673496	0.5097002	0.8752315	1	926 tags=22%, list=19%, signal=27%
GO_PHOSPHATIDYLCHOLINE_METABOLIC_PROCESS	GO_PHOSPHATIDYLCHOLIN	19	0.32639307	0.96730566	0.5	0.87506264	1	107 tags=11%, list=2%, signal=1%
PLASARI_TGFB1_TARGETS_10HR_DN	PLASARI_TGFB1_TARGETS_1	141	0.2518333	0.9671541	0.496139	0.8751635	1	1347 tags=36%, list=27%, signal=48%
GSE22601_DOUBLE_NEGATIVE_VS_IMMATURE_CD4_SP	GSE22601_DOUBLE_NEGAT	64	0.24899672	0.96672136	0.50701404	0.8760523	1	1286 tags=34%, list=26%, signal=46%
GSE36826_WT_VS_IL1R_KO_SKIN_UP	GSE36826_WT_VS_IL1R_KO	57	0.3015154	0.96666163	0.5050505	0.8759213	1	1102 tags=28%, list=22%, signal=36%
VSR_Q2	VSR_Q2	35	0.26903844	0.96665275	0.49807692	0.8756644	1	1040 tags=23%, list=21%, signal=29%
KYNG_DNA_DAMAGE_UP	KYNG_DNA_DAMAGE_UP	66	0.245335	0.96649474	0.53009707	0.8757959	1	439 tags=17%, list=9%, signal=18%
GO_REGULATION_OF_SKELETAL_MUSCLE_TISSUE_DEVE	GO_REGULATION_OF_SKELE	17	0.33217826	0.96619403	0.51703405	0.8763273	1	414 tags=18%, list=8%, signal=19%
VSGATA3_01	VSGATA3_01	70	0.2542209	0.9661486	0.5361781	0.8761493	1	1510 tags=34%, list=30%, signal=48%
GO_REGULATION_OF_SMOOTH_MUSCLE_CONTRACTIO	GO_REGULATION_OF_SMO	31	0.31112665	0.96602166	0.48880598	0.8762276	1	836 tags=23%, list=17%, signal=27%
TGCTGCT_MIR-15A_MIR-16MIR-15B_MIR-195_MIR-424_I	TGCTGCT_MIR-15A_MIR-16I	146	0.22390005	0.9660028	0.49615383	0.87599605	1	1257 tags=29%, list=25%, signal=37%
REACTOME_EXTRACELLULAR_MATRIX_ORGANIZATION	REACTOME_EXTRACELLULA	49	0.3263979	0.96599656	0.47984645	0.8757316	1	1630 tags=47%, list=33%, signal=57%
MAHAJAN_RESPONSE_TO_IL1A_DN	MAHAJAN_RESPONSE_TO_I	30	0.28675866	0.9656953	0.49325627	0.876226	1	1572 tags=50%, list=31%, signal=72%
GSE43863_NAIVE_VS_TFH_CD4_EFF_TCELL_D6_LCMV_DI	GSE43863_NAIVE_VS_TFH_C	57	0.25700992	0.9656683	0.49320388	0.8760135	1	1247 tags=30%, list=25%, signal=39%
VSSTAT1_03	VSSTAT1_03	57	0.24245586	0.965662	0.5064695	0.87575376	1	1383 tags=32%, list=28%, signal=43%
MODULE_287	MODULE_287	25	0.3129213	0.9656319	0.4833006	0.8755593	1	1498 tags=56%, list=30%, signal=80%
GSE20727_CTRL_VS_DNFB_ALLERGEN_TREATED_CD_DN	GSE20727_CTRL_VS_DNFB_	31	0.2725362	0.9655425	0.5180266	0.8754931	1	1355 tags=39%, list=27%, signal=53%
GSE2770_UNTREATED_VS_TGFB_AND_IL4_TREATED_AC	GSE2770_UNTREATED_VS_T	30	0.2783284	0.9654943	0.5127701	0.87534815	1	1419 tags=47%, list=28%, signal=65%
GSE44649_WT_VS_MIR155_KO_NAIVE_CD8_TCELL_UP	GSE44649_WT_VS_MIR155_	69	0.26382554	0.9652805	0.4990138	0.87562096	1	1518 tags=42%, list=30%, signal=60%
GO_NEURON_FATE_COMMITMENT	GO_NEURON_FATE_COMM	29	0.3001101	0.9647872	0.5028463	0.8766126	1	975 tags=24%, list=20%, signal=30%
VSGATA6_01	VSGATA6_01	102	0.2487562	0.9646678	0.50094515	0.8766436	1	1374 tags=31%, list=27%, signal=42%
GO_HEXOSE_METABOLIC_PROCESS	GO_HEXOSE_METABOLIC_P	39	0.2686393	0.96439904	0.4773585	0.8770656	1	1367 tags=33%, list=27%, signal=46%
GSE17721_PAM3CSK4_VS_CPG_2H_BMDC_UP	GSE17721_PAM3CSK4_VS_C	55	0.26229936	0.96402496	0.499002	0.8775755	1	1132 tags=33%, list=23%, signal=42%
GSE26559_TCF1_KO_VS_WT_IL1N_NEG_CELL_UP	GSE26559_TCF1_KO_VS_W	45	0.28627312	0.9637233	0.5125523	0.8776038	1	828 tags=24%, list=17%, signal=29%
PDGF_UP_V1_UP	PDGF_UP_V1_UP	36	0.27774554	0.9635635	0.5048733	0.87835705	1	1138 tags=36%, list=23%, signal=46%
GO_REGULATION_OF_ENDOCRINE_PROCESS	GO_REGULATION_OF_ENDC	20	0.3246191	0.96296936	0.51111114	0.87960714	1	1443 tags=40%, list=29%, signal=56%
GSE17721_CPG_VS_GARDIQUIMOD_24H_BMDC_UP	GSE17721_CPG_VS_GARDIC	51	0.2546745	0.962857	0.5029703	0.87961525	1	720 tags=20%, list=14%, signal=23%
GO_COATED_PIT	GO_COATED_PIT	17	0.3287713	0.9627066	0.52087474	0.8797103	1	917 tags=29%, list=18%, signal=36%
GGATTA_VSPITX2_Q2	GGATTA_VSPITX2_Q2	197	0.20974648	0.962377	0.5288641	0.8803061	1	1191 tags=24%, list=24%, signal=31%
KIM_GIJSZ_TARGETS_UP	KIM_GIJSZ_TARGETS_UP	54	0.350383	0.9623679	0.5115304	0.8804655	1	837 tags=30%, list=17%, signal=35%
HALLMARK_BILE_ACID_METABOLISM	HALLMARK_BILE_ACID_MET	50	0.2609273	0.9622408	0.5105973	0.88011557	1	1563 tags=44%, list=31%, signal=63%
GSE37605_FOXP3_FUSION_VS_IRES_GFP_TREG_NO	GSE37605_FOXP3_FUSION	53	0.2746974	0.9621589	0.515873	0.88020354	1	682 tags=23%, list=14%, signal=26%
VSMX1_01	VSMX1_01	58	0.2538892	0.9619087	0.52190477	0.88037354	1	1162 tags=31%, list=23%, signal=40%
GSE42021_TCONV_PLN_VS_CD24H_TCONV_THYMUS_I	GSE42021_TCONV_PLN_VS	76	0.2685105	0.96185684	0.5010101	0.88025373	1	1024 tags=25%, list=20%, signal=31%
GO_POSITIVE_REGULATION_OF_MUSCLE_CONTRACTIO	GO_POSITIVE_REGULATION	21	0.3301906	0.9616336	0.5140562	0.88053465	1	659 tags=24%, list=13%, signal=27%
GSE19923_E2A_KO_VS_HEB_AND_IL2_KO_DP_THYMC	GSE19923_E2A_KO_VS_HEB	59	0.27067864	0.9612554	0.5279851	0.8812679	1	1389 tags=31%, list=28%, signal=42%
CACGTG_VSMYC_Q2	CACGTG_VSMYC_Q2	219	0.20068666	0.96104944	0.5297398	0.88153136	1	638 tags=17%, list=13%, signal=19%
GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDUCED_C	GSE37533_PPARG2_FOXP3	61	0.24752985	0.96100205	0.54448396	0.88136774	1	978 tags=26%, list=20%, signal=32%
DEURIG_I_CELL_PROLYMPHOCTIC_LEUKEMIA_UP	DEURIG_I_CELL_PROLYMPH	111	0.22499076	0.9609337	0.52577317	0.88127184	1	1240 tags=31%, list=25%, signal=40%
GO_LATE_ENDOSOME	GO_LATE_ENDOSOME	39	0.27136984	0.9607864	0.50276244	0.8813704	1	386 tags=15%, list=8%, signal=17%
DACOSTA_UV_RESPONSE_VIA_ERCC3_XPCS_DN	DACOSTA_UV_RESPONSE_V	19	0.30953324	0.9607805	0.49516442	0.8811058	1	569 tags=26%, list=11%, signal=30%
MULLIGHAN_MLL_SIGNATURE_2_DN	MULLIGHAN_MLL_SIGNATURE	106	0.2536766	0.9605853	0.5140562	0.88132507	1	1073 tags=28%, list=21%, signal=35%
GO_OSSIFICATION	GO_OSSIFICATION	110	0.26365477	0.9603272	0.49242425	0.8817002	1	1760 tags=45%, list=35%, signal=69%
KEGG_INSULIN_SIGNALING_PATHWAY	KEGG_INSULIN_SIGNALING	33	0.28071326	0.960321	0.5059055	0.8814402	1	314 tags=15%, list=6%, signal=16%
GO_NEGATIVE_REGULATION_OF_CELL_CYCLE_G1_S_K	GO_NEGATIVE_REGULATIO	17	0.32511035	0.9603134	0.4958159	0.88118225	1	1214 tags=41%, list=24%, signal=54%
GO_REGULATION_OF_MUSCLE_CELL_APOPTOTIC_PRO	GO_REGULATION_OF_MUS	21	0.3190923	0.9601495	0.50635207	0.88130116	1	1073 tags=29%, list=21%, signal=36%
AMIT_SERUM_RESPONSE_40_MCF10A	AMIT_SERUM_RESPONSE_4	15	0.39569727	0.9601094	0.51076302	0.88112843	1	1297 tags=47%, list=26%, signal=63%
GSE40068_BCL6_POS_VS_NEG_CXCR5_POS_TFH_DN	GSE40068_BCL6_POS_VS_N	45	0.27531338	0.9600694	0.486	0.88095313	1	828 tags=24%, list=17%, signal=29%
GO_FOREBRAIN_CELL_MIGRATION	GO_FOREBRAIN_CELL_MIG	20	0.34288263	0.95987815	0.47628084	0.88116276	1	778 tags=25%, list=16%, signal=29%
KIM_GASTRIC_CANCER_CHEMOSENSITIVITY	KIM_GASTRIC_CANCER_CHI	23	0.2951706	0.9594825	0.5233463	0.8819425	1	293 tags=17%, list=6%, signal=18%
GSE36392_EOSINOPHIL_VS_NEUTROPHIL_IL25_TREAT	GSE36392_EOSINOPHIL_V	27	0.2808897	0.95939946	0.539916	0.88187593	1	1020 tags=22%, list=20%, signal=28%
DITTMER_PTHLH_TARGETS_UP	DITTMER_PTHLH_TARGETS_	24	0.31952012	0.9593768	0.4989775	0.8816622	1	1729 tags=67%, list=35%, signal=101%
GSE8621_UNSTIM_VS_LPS_STIM_MACROPHAGE_DN	GSE8621_UNSTIM_VS_LPS_	42	0.29321203	0.9592274	0.528	0.88176876	1	764 tags=21%, list=15%, signal=27%
GSE27786_ERYTHROBLAST_VS_MONO_MAC_DN	GSE27786_ERYTHROBLAST	28	0.28920826	0.9591328	0.49112427	0.8817212	1	117 tags=21%, list=2%, signal=11%
GO_ORGANIC_ACID_METABOLIC_PROCESS	GO_ORGANIC_ACID_METAE	303	0.20400104	0.9591148	0.53968257	0.88148993	1	845 tags=10%, list=17%, signal=22%
KRAS_KIDNEY_UP_V1_UP	KRAS_KIDNEY_UP_V1_UP	83	0.2909905	0.9591141	0.5191956	0.88121325	1	1678 tags=42%, list=34%, signal=62%
TGACATY_UNKNOWN	TGACATY_UNKNOWN	214	0.25263367	0.95881504	0.55086374	0.88172525	1	1337 tags=30%, list=27%, signal=39%
GSE24726_WT_VS_E2_Q2_PDC_DN	GSE24726_WT_VS_E2_2_KO	47	0.2554285	0.95877427	0.49101797	0.88154995	1	348 tags=13%, list=7%, signal=14%
GSE32423_CTRL_VS_IL4_MEMORY_CD8_TCELL_DN	GSE32423_CTRL_VS_IL4_I	45	0.2531271	0.95870805	0.5257353	0.88145447	1	572 tags=20%, list=11%, signal=22%
GO_ANATOMICAL_STRUCTURE_FORMATION_INVOLVET	GO_ANATOMICAL_STRUCT	323	0.21976769	0.95870733	0.5019305	0.8811775	1	1554 tags=35%, list=31%, signal=47%
GO_REGULATION_OF_HEMOPHORESIS	GO_REGULATION_OF_HEM	103	0.26624486	0.9583627	0.47448015	0.881178	1	933 tags=20%, list=19%, signal=25%
GSE16266_CTRL_VS_LPS_STIM_MEF_DN	GSE16266_CTRL_VS_LPS_ST	74	0.24683765	0.9583475	0.5265226	0.8815453	1	1319 tags=30%, list=26%, signal=40%
LEE_LIVER_CANCER_CIPROFIBRATE_DN	LEE_LIVER_CANCER_CIPROF	34	0.28541484	0.9581189	0.4920354	0.88186634	1	685 tags=21%, list=14%, signal=24%
GO_NEUROPEPTIDE_SIGNALING_PATHWAY	GO_NEUROPEPTIDE_SIGNA	43	0.28346157	0.9579209	0.49824563	0.8821092	1	1144 tags=33%, list=23%, signal=42%
GSE7831_1H_VS_4H_CPG_S	GSE7831_1H_VS_4H_CPG_S	42	0.2614021	0.9577774	0.5	0.8822117	1	1302 tags=40%, list=26%, signal=54%
GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_C	GSE37533_PPARG1_FOXP3	34	0.2604127	0.9577702	0.515748	0.8819514	1	1058 tags=29%, list=21%, signal=37%
GSE17721_CTRL_VS_CPG_24H_BMDC_DN	GSE17721_CTRL_VS_CPG_2	44	0.26936272	0.9577275	0.50501	0.88178974	1	693 tags=18%, list=14%, signal=21%
GSE17974_CTRL_VS_ACT_IL4_AND_ANTIL1L2_2H_CD4_I	GSE17974_CTRL_VS_ACT_I	46	0.2718323	0.9576331	0.54545456	0.8817595	1	1612 tags=43%, list=32%, signal=64%
DAVICION1_RHABDOMYOSARCOMA_PAX_FOXP01_FUSI	DAVICION1_RHABDOMYOS	34	0.27740714	0.9575273	0.5055762	0.8816857	1	487 tags=18%, list=10%, signal=19%
GSE43955_THO_VS_TGFB_IL6_IL23_THI17_ACT_CD4_TCEL	GSE43955_THO_VS_TGFB_I	62	0.2597768	0.9574481	0.51148224	0.88166773	1	1655 tags=44%, list=33%, signal=64%
GO_SODIUM_ION_TRANSMEMBRANE_TRANSPORT	GO_SODIUM_ION_TRANSM	24	0.31184503	0.9574127	0.51329243	0.8814744	1	1776 tags=46%, list=36%, signal=71%
VSHMEF2_Q6	VSHMEF2_Q6	48	0.27035308	0.9572825	0.5112782	0.88154775	1	1499 tags=40%, list=30%, signal=56%
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_6HR_UF	TAKEDA_TARGETS_OF_NUP	52	0.29368198	0.95697254	0.49414062	0.8820551	1	1013 tags=23%, list=20%, signal=29%
VSHNF3_Q6	VSHNF3_Q6	74	0.2601283	0.95686346	0.5314286	0.882074	1	1460 tags=32%, list=29%, signal=45%
GO_REGULATION_OF_SODIUM_ION_TRANSPORT	GO_REGULATION_OF_SODI	26	0.29675746	0.9563994	0.52427185	0.8829651	1	858 tags=27%, list=17%, signal=32%
GO_DIENCEPHALON_DEVELOPMENT	GO_DIENCEPHALON_DEVEI	36	0.28299117	0.956182	0.4963899	0.8832408	1	1297 tags=39%, list=26%, signal=52%
GSE5589_IL6_KO_VS_IL10_KO_LPS_STIM_MACROPHAGE	GSE5589_IL6_KO_VS_IL10	49	0.2514421	0.9560898	0.51955307	0.88318694	1	1453 tags=41%, list=29%, signal=57%
GSE13522_WT_VS_IFNAR_KO_SKING_T_CRUZLI_Y_STRAI	GSE13522_WT_VS_IFNAR_K	92	0.24939473	0.95604014	0.53	0.8830339	1	442 tags=17%, list=9%, signal=19%
MORF_SUPT3H	MORF_SUPT3H	115	0.227617	0.95602894	0.5066993	0.88278687	1	1102 tags=24%, list=22%, signal=31%
GO_CELL_COMMUNICATION_INVOLVED_IN_CARDIAC_	GO_CELL_COMMUNICATIO	15	0.33215678	0.95578283	0.5281553	0.883150		



CHR12Q13	CHR12Q13	45	0.2672641	0.9545142	0.5108481	0.88257694	1	920 tags=22%, list=18%, signal=27%
GSE8621_UNSTIM_VS_LPS_STIM_MACROPHAGE_UP	GSE8621_UNSTIM_VS_LPS_	50	0.24144982	0.9544477	0.52871287	0.882475	1	1485 tags=40%, list=30%, signal=56%
GO_SPROUTING_ANGIOGENESIS	GO_SPROUTING_ANGIOGENE	18	0.23778132	0.9543501	0.52666737	0.8824554	1	1071 tags=39%, list=21%, signal=49%
GO_NEGATIVE_REGULATION_OF_LEUKOCYTE_APOPTO	GO_NEGATIVE_REGULATIO	24	0.3444578	0.95375776	0.51814514	0.88366467	1	1379 tags=33%, list=28%, signal=46%
GSE17721_CTRL_VS_PAM3C	GSE17721_CTRL_VS_PAM3C	49	0.24519606	0.9535908	0.5254237	0.88381773	1	751 tags=22%, list=15%, signal=26%
CHR17Q12	CHR17Q12	18	0.3328587	0.9534081	0.5387597	0.8840383	1	1397 tags=44%, list=28%, signal=61%
GSE17974_IL4_AND_ANTIL12_UNTREATED_72H_AC	GSE17974_IL4_AND_ANTIL1	71	0.23628205	0.953401	0.5380435	0.8837808	1	1122 tags=30%, list=22%, signal=38%
GO_MYOSIN_COMPLEX	GO_MYOSIN_COMPLEX	18	0.3509577	0.95336056	0.515748	0.88360673	1	1517 tags=44%, list=30%, signal=64%
GO_ANTERIOR_POSTERIOR_PATTERN_SPECIFICATION	GO_ANTERIOR_POSTERIOR	76	0.2643391	0.9527112	0.5136719	0.8849856	1	882 tags=25%, list=18%, signal=30%
GO_RESPONSE_TO_HYDROGEN_PEROXIDE	GO_RESPONSE_TO_HYDRO	36	0.2861145	0.9526966	0.5040816	0.88475776	1	744 tags=22%, list=15%, signal=26%
TTGGGAG_MIR-150	TTGGGAG_MIR-150	20	0.28910467	0.95255303	0.54752064	0.88484347	1	919 tags=30%, list=18%, signal=37%
GSE3982_MAC_VS_NKCELL_UP	GSE3982_MAC_VS_NKCELL	63	0.25592154	0.95248204	0.5213358	0.8847636	1	937 tags=25%, list=19%, signal=31%
GSE23925_LIGHT_ZONE_VS_DARK_ZONE_BCELL_DN	GSE23925_LIGHT_ZONE_VS	57	0.27263606	0.95223004	0.51669943	0.88511974	1	462 tags=16%, list=9%, signal=17%
GO_CELLULAR_HORMONE_METABOLIC_PROCESS	GO_CELLULAR_HORMONE	43	0.27574858	0.95217067	0.5107527	0.88500047	1	396 tags=12%, list=8%, signal=13%
V5CEBPDELTA_Q6	V5CEBPDELTA_Q6	77	0.2435021	0.9521499	0.5036765	0.88478553	1	1498 tags=36%, list=30%, signal=51%
V5MYOGENIN_Q6	V5MYOGENIN_Q6	64	0.2434244	0.9521449	0.5248227	0.8845276	1	977 tags=25%, list=20%, signal=31%
GO_EMBRYONIC_MORPHOGENESIS	GO_EMBRYONIC_MORPHO	199	0.22886157	0.9521086	0.50189394	0.88434005	1	1515 tags=35%, list=30%, signal=48%
GSE26488_CTRL_VS_PEPITIDE_INJECTION_OT2_THYMO	GSE26488_CTRL_VS_PEPITD	33	0.26599078	0.95206124	0.5252802	0.88419604	1	1272 tags=33%, list=25%, signal=44%
GSE21033_3H_VS_12H_POL	GSE21033_3H_VS_12H_POL	43	0.2433916	0.9520335	0.53521127	0.8839931	1	681 tags=23%, list=14%, signal=27%
GSE43955_10H_VS_60H_ACT4_CD44_TCELL_WITH_TGFB_IL	GSE43955_10H_VS_60H_AC	38	0.27451524	0.95196396	0.5106383	0.8839092	1	897 tags=24%, list=18%, signal=29%
GSE21927_SPLEEN_C57BL6_VS_IL4_TUMOR_BALBC_MC	GSE21927_SPLEEN_C57BL6	40	0.31908616	0.95194256	0.5131313	0.88369006	1	778 tags=25%, list=16%, signal=29%
GSE16266_CTRL_VS_LPS_STIM_MEF_UP	GSE16266_CTRL_VS_LPS_ST	37	0.27765906	0.95193466	0.5180723	0.8834376	1	793 tags=22%, list=16%, signal=26%
GO_REGULATION_OF_SYMOCTH_ARTERIAL_BLOOD_PRE	GO_REGULATION_OF_SYSTI	33	0.29437894	0.9516943	0.52427185	0.8837864	1	1790 tags=52%, list=36%, signal=80%
GO_REGULATION_OF_SMOOTH_MUSCLE_CELL_PROLIF	GO_REGULATION_OF_SMO	43	0.30262402	0.95159304	0.502947	0.8837729	1	1240 tags=28%, list=25%, signal=43%
GO_EAR_MORPHOGENESIS	GO_EAR_MORPHOGENESIS	54	0.2584955	0.9515253	0.48679245	0.8836632	1	1236 tags=33%, list=25%, signal=44%
GSE22935_24H_VS_48H_MBOVIS_BCG_STIM_MYD88_KC	GSE22935_24H_VS_48H_ME	48	0.26888474	0.9514902	0.5259117	0.88348323	1	1018 tags=27%, list=20%, signal=34%
GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_MACR	GSE5589_LPS_AND_IL10_V	31	0.27756575	0.9514708	0.53009707	0.88325185	1	1514 tags=45%, list=30%, signal=64%
GO_ORGANOPHOSPHATE_METABOLIC_PROCESS	GO_ORGANOPHOSPHATE_J	201	0.21060139	0.95144767	0.54023904	0.8830461	1	1322 tags=27%, list=26%, signal=36%
GO_NEUROGENESIS	GO_NEUROGENESIS	479	0.20808887	0.95105743	0.5185185	0.88372564	1	891 tags=20%, list=18%, signal=22%
V5HEB_Q6	V5HEB_Q6	81	0.23396555	0.9509196	0.5432781	0.8838072	1	1021 tags=27%, list=20%, signal=34%
GO_RHYTHMIC_PROCESS	GO_RHYTHMIC_PROCESS	95	0.23903884	0.95088667	0.5151515	0.88362366	1	1470 tags=35%, list=29%, signal=48%
GO_MESENCHYMAL_CELL_DIFFERENTIATION	GO_MESENCHYMAL_CELL_I	69	0.26662102	0.95073444	0.505597	0.88372856	1	1190 tags=35%, list=24%, signal=45%
GSE40666_UNTREATED_VS_IFNA_STIM_STAT1_KO_CDB	GSE40666_UNTREATED_VS	61	0.2632769	0.9507005	0.5249501	0.8835487	1	563 tags=16%, list=11%, signal=18%
SEIDEN_ONCOGENESIS_BY_MET	SEIDEN_ONCOGENESIS_BY	21	0.3334503	0.9503929	0.53815264	0.8840494	1	426 tags=14%, list=9%, signal=16%
GSE29618_BCELL_VS_PDC_DAY7_FLU_VACCINE_DN	GSE29618_BCELL_VS_PDC_I	71	0.25542355	0.9503074	0.52772075	0.88397986	1	1133 tags=30%, list=23%, signal=38%
AACATT.MIR-409-3P	AACATT.MIR-409-3P	44	0.28794685	0.950269	0.52059654	0.88380235	1	1558 tags=36%, list=31%, signal=52%
GSE25147_UNSTIM_VS_HELIOBACTER_PYLORI_LPS_STI	GSE25147_UNSTIM_VS_HEL	40	0.27545474	0.95026374	0.53512394	0.88354266	1	486 tags=18%, list=10%, signal=19%
GSE20727_CTRL_VS_H2O2_TREATED_CD4_DN_UP	GSE20727_CTRL_VS_H2O2_	54	0.29942095	0.95013225	0.523614	0.88358414	1	878 tags=28%, list=18%, signal=33%
CUI_TCF21_TARGETS_DN	CUI_TCF21_TARGETS_DN	16	0.34429404	0.9494183	0.5303983	0.88513553	1	1633 tags=50%, list=33%, signal=74%
GSE17721_12H_VS_24H_LPS	GSE17721_12H_VS_24H_LP	27	0.27792105	0.9493995	0.5188867	0.8849118	1	584 tags=19%, list=12%, signal=21%
GSE27786_LIN_NEG_VS_CD4_TCELL_DN	GSE27786_LIN_NEG_VS_CD	37	0.30618	0.9492167	0.50988444	0.8851165	1	727 tags=24%, list=15%, signal=28%
V5SELK1_Q1	V5SELK1_Q1	51	0.2689133	0.94919074	0.55719554	0.8849191	1	1165 tags=31%, list=23%, signal=40%
GO_CELLULAR_RESPONSE_TO_ABIOCTIC_STIMULUS	GO_CELLULAR_RESPONSE_I	78	0.24562183	0.94907457	0.5139442	0.88493663	1	1093 tags=27%, list=22%, signal=34%
GSE36888_STATS_AB_KNOCKIN_VS_WT_CELL_IL2_TRE	GSE36888_STATS_AB_KNO	44	0.2947025	0.9489485	0.5	0.8849902	1	346 tags=16%, list=7%, signal=17%
GSE2770_UNTREATED_VS_TGFB_AND_IL4_TREATED_AC	GSE2770_UNTREATED_VS_I	36	0.28774938	0.9488489	0.50690335	0.88496834	1	1073 tags=25%, list=21%, signal=32%
SIRNA_EIF4G1_UP	SIRNA_EIF4G1_UP	27	0.29152665	0.94880086	0.5288641	0.88481885	1	1013 tags=33%, list=20%, signal=42%
V5ZIC1_Q1	V5ZIC1_Q1	72	0.23087303	0.9487799	0.55636364	0.88459533	1	1146 tags=25%, list=23%, signal=32%
GSE6681_DELETED_FOXP3_VS_WT_TREG_UP	GSE6681_DELETED_FOXP3_	77	0.2428113	0.94874394	0.5480769	0.88441914	1	528 tags=14%, list=11%, signal=19%
GSE12003_MIR223_KO_VS_WT_MIR223_KO_VS_WT	GSE12003_MIR223_KO_VS_	78	0.23811106	0.94866616	0.5065177	0.8843485	1	1591 tags=41%, list=32%, signal=59%
GSE37301_HEMATOPOIETIC_STEM_CELL_VS_GRAN_MO	GSE37301_HEMATOPOIETI	52	0.26664567	0.94841146	0.5418327	0.8847492	1	1068 tags=29%, list=21%, signal=36%
GSE7509_FCGRIB_VS_TNFA_IL16_PGE2_STIM_CD4_DN	GSE7509_FCGRIB_VS_TNFA	23	0.2954982	0.9483692	0.53625953	0.8845883	1	1923 tags=65%, list=38%, signal=105%
GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_AND_P3	GSE19772_CTRL_VS_HCMV	60	0.24968378	0.9480442	0.54068714	0.8851405	1	1347 tags=30%, list=27%, signal=41%
GSE3720_UNSTIM_VS_PMA_STIM_VD2_GAMMADelta	GSE3720_UNSTIM_VS_PMA	43	0.31738263	0.9480047	0.51004016	0.88496834	1	268 tags=14%, list=5%, signal=15%
GNF2_PTK3	GNF2_PTK3	27	0.39703605	0.9479668	0.5329341	0.88479644	1	1719 tags=63%, list=34%, signal=95%
GSE22886_NAIVE_VS_JGG_IL4_MEMORY_BCELL_UP	GSE22886_NAIVE_VS_JGG_I	67	0.23961116	0.94791025	0.5636008	0.8846626	1	910 tags=24%, list=18%, signal=29%
GSE17721_PAM3CSK4_VS_GADIQUIMOD_6H_BMDC_DP	GSE17721_PAM3CSK4_VS_C	55	0.26783854	0.94790834	0.51785713	0.8843954	1	1125 tags=25%, list=23%, signal=32%
GSE12707_AT16L1_HYPOMORPH_VS_WT_THYMO	GSE12707_AT16L1_HYPOM	34	0.27346694	0.9478751	0.5405405	0.88421386	1	905 tags=29%, list=18%, signal=36%
GSE13855_IFNG_TNF_VS_IL4_STIM_MACROPHAGE_ROS	GSE13855_IFNG_TNF_VS_I	23	0.30795972	0.947787	0.5180723	0.8841726	1	1554 tags=43%, list=31%, signal=63%
GSE9509_10MIN_VS_30MIN_LPS_STIM_IL10_MACR	GSE9509_10MIN_VS_30MI	57	0.2536526	0.947686	0.52400833	0.8841571	1	882 tags=23%, list=18%, signal=27%
GSE15330_LYMPHOID_MULTIPOTENT_VS_MEGAKARYO	GSE15330_LYMPHOID_MUL	55	0.27158958	0.94754136	0.5148515	0.88425106	1	1058 tags=29%, list=21%, signal=36%
GO_DIVALENT_INORGANIC_CATION_TRANSPORT	GO_DIVALENT_INORGANIC	83	0.24394587	0.94753426	0.53295666	0.8839959	1	1516 tags=37%, list=30%, signal=53%
GSE411_UNSTIM_VS_100MIN_IL6_STIM_MACROPHAGE	GSE411_UNSTIM_VS_100M	39	0.30682918	0.94749767	0.502008	0.8838202	1	941 tags=28%, list=19%, signal=34%
GSE20715_0H_VS_24H_OZONE_LUNG_DN	GSE20715_0H_VS_24H_OZ	65	0.24060688	0.94741715	0.5265082	0.8837587	1	715 tags=22%, list=14%, signal=25%
GO_PROTEIN_TRANSPORTER_ACTIVITY	GO_PROTEIN_TRANSPORTE	15	0.3192134	0.9473379	0.492	0.8836857	1	1744 tags=60%, list=35%, signal=92%
V5AP4_Q6_Q1	V5AP4_Q6_Q1	74	0.2322551	0.94700813	0.5407407	0.8842295	1	985 tags=26%, list=20%, signal=32%
GO_CENTRAL_NERVOUS_SYSTEM_NEURON_DIFFERENT	GO_CENTRAL_NERVOUS_S	59	0.26052332	0.9469912	0.52690166	0.8840053	1	1492 tags=37%, list=30%, signal=53%
MORF_ARL3	MORF_ARL3	93	0.22677675	0.9464313	0.5394265	0.8851626	1	1150 tags=23%, list=23%, signal=29%
ATF2_S_UP_V1_DN	ATF2_S_UP_V1_DN	97	0.22633676	0.9463372	0.46950093	0.8850453	1	1350 tags=32%, list=27%, signal=43%
NAGASHIMA_NRG1_SIGNALING_DN	NAGASHIMA_NRG1_SIGNA	19	0.31320408	0.9460982	0.5106383	0.88546956	1	691 tags=21%, list=14%, signal=24%
GO_POTASSIUM_ION_TRANSPORT	GO_POTASSIUM_ION_TRAN	52	0.24634857	0.9460904	0.54010695	0.8852219	1	672 tags=19%, list=13%, signal=22%
KEGG_GLYCEROPHOSPHOLIP_METABOLISM	KEGG_GLYCEROPHOSPHOL	18	0.32171306	0.9460861	0.53846157	0.88496363	1	1702 tags=50%, list=34%, signal=76%
GSE43955_1H_VS_20H_ACT_CD4_TCELL_WITH_TGFB_IL	GSE43955_1H_VS_20H_ACT	87	0.27336612	0.9460597	0.5106383	0.88477004	1	1215 tags=33%, list=24%, signal=43%
GSE30153_LUPUS_VS_HEALTHY_DONOR_BCELL_UP	GSE30153_LUPUS_VS_HEAL	55	0.26300746	0.94561255	0.501845	0.88564664	1	478 tags=15%, list=10%, signal=16%
GO_CELLULAR_RESPONSE_TO_TOPOLOGICALLY_INCOR	GO_CELLULAR_RESPONSE_	18	0.313287	0.945576	0.55378485	0.8854758	1	1293 tags=39%, list=26%, signal=52%
AGTC.TTA.MIR-499	AGTC.TTA.MIR-499	18	0.30856612	0.94553584	0.545283	0.88530076	1	441 tags=17%, list=9%, signal=18%
GO_T_CELL_SELECTION	GO_T_CELL_SELECTION	17	0.24209232	0.94551504	0.55918366	0.8850792	1	283 tags=18%, list=6%, signal=19%
GSE26290_CTRL_VS_AKT_INHIBITOR_TREATED_ANTL	GSE26290_CTRL_VS_AKT_I	68	0.2389289	0.94526	0.5363458	0.88547486	1	645 tags=19%, list=13%, signal=22%
PID_IL4_2PATHWAY	PID_IL4_2PATHWAY	23	0.31858796	0.9452196	0.52215797	0.8853152	1	792 tags=22%, list=16%, signal=26%
GSE5503_LIVER_DC_VS_PLN_DC_ACTIVATED_ALLOGEN	GSE5503_LIVER_DC_VS_PL	48	0.24605149	0.9451103	0.566	0.8853232	1	1514 tags=33%, list=30%, signal=47%
GSE17721_LPS_VS_GARDIQUIMOD_16H_BMDC_UP	GSE17721_LPS_VS_GARDIQ	53	0.26555778	0.9447887	0.5163148	0.88587445	1	1603 tags=38%, list=32%, signal=55%
GSE2770_IL12_VS_IL4_TREATED_ACT_CD4_TCELL_6H_UP	GSE2770_IL12_VS_IL4_TRE	35	0.36607582	0.944729	0.5511811	0.88576597	1	1583 tags=47%, list=32%, signal=69%
MORF_MSH3	MORF_MSH3	51	0.24067968	0.94471604	0.52079207	0.88553184	1	545 tags=12%, list=11%, signal=13%
BROWNE_HCMV_INFECTION_48HR_DN	BROWNE_HCMV_INFECTIO	160	0.23985301	0.944682	0.4909091	0.8853487	1	1760 tags=45%, list=35%, signal=67%
SCHRAETS_MLL_TARGETS_UP	SCHRAETS_MLL_TARGETS_I	27	0.30161715	0.9445924	0.53244275	0.8853066	1	854 tags=37%, list=17%, signal=44%
MCDOWELL_ACUTE_LUNG_INJURY_DN	MCDOWELL_ACUTE_LUNG_	23	0.29468217	0.94444				

GO_PASSIVE_TRANSMEMBRANE_TRANSPORTER_ACTIV	GO_PASSIVE_TRANSMEMBR	147	0.20992018	0.942138	0.56661314	0.88508654	1	1326	tags=31%, list=27%, signal=40%
GSE26669_CD4_VS_CD8_TCELL_IN_MIR_COSTIM_BLOCK	GSE26669_CD4_VS_CD8_TC	41	0.25757984	0.94207424	0.512334	0.88497025	1	632	tags=24%, list=13%, signal=28%
LEONARD_HYPOXIA	LEONARD_HYPOXIA	22	0.3149745	0.9420086	0.52434456	0.88488036	1	503	tags=23%, list=10%, signal=25%
TCCAGAT_MIR-516-5P	TCCAGAT_MIR-516-5P	20	0.28295872	0.9419686	0.55876684	0.8847216	1	668	tags=25%, list=13%, signal=29%
GSE360_CTRL_VS_B_MALAYL_HIGH_DOSE_DC_UP	GSE360_CTRL_VS_B_MALAY	61	0.23517363	0.94167876	0.555773	0.8851985	1	439	tags=15%, list=9%, signal=16%
MORF_IL16	MORF_IL16	68	0.22900558	0.9416455	0.5783972	0.8850192	1	196	tags=7%, list=4%, signal=8%
GSE36891_POLYIC_TLR3_VS_PAM_TLR2_STIM_PERITONE	GSE36891_POLYIC_TLR3_VS	75	0.27020767	0.9415	0.51302606	0.8851102	1	1381	tags=33%, list=28%, signal=45%
GO_REGULATION_OF_CELLULAR_AMIDE_METABOLIC_PI	GO_REGULATION_OF_CELLI	49	0.24878636	0.9414931	0.5497076	0.8848614	1	1110	tags=29%, list=22%, signal=36%
ATCATGA_MIR-433	ATCATGA_MIR-433	17	0.33139357	0.9414525	0.5151515	0.8846921	1	513	tags=18%, list=10%, signal=20%
GSE339_EX_VIVO_VS_IN_CULTURE_CD8POS_DC_DN	GSE339_EX_VIVO_VS_IN_CU	47	0.27389106	0.94140506	0.54347825	0.88455653	1	1353	tags=32%, list=27%, signal=43%
GSE339_EX_VIVO_VS_IN_CULTURE_CD8POS_DC_UP	GSE339_EX_VIVO_VS_IN_CU	37	0.26689726	0.941168	0.508	0.8849101	1	611	tags=22%, list=12%, signal=24%
GSE6681_DELETED_FOXP3_VS_WT_TREG_DN	GSE6681_DELETED_FOXP3_V	38	0.2572475	0.9411358	0.5481336	0.8847296	1	1271	tags=37%, list=25%, signal=49%
GSE12845_IJD_NEG_BLOOD_VS_PRE_GC_TONSIL_BCELL	GSE12845_IJD_NEG_BLOOD	41	0.252858	0.94094145	0.53968257	0.88494307	1	1005	tags=29%, list=20%, signal=36%
GO_REGULATION_OF_SYSTEMIC_ARTERIAL_BLOOD_PRE	GO_REGULATION_OF_VSSTI	16	0.3438634	0.94094133	0.5366337	0.88467735	1	1790	tags=56%, list=36%, signal=87%
GSE9316_CD4_TCELL_BALBC_VS_TH17_ENRIL_CD4_TCELL	GSE9316_CD4_TCELL_BALBC	48	0.28316194	0.94058573	0.55578095	0.8853267	1	1364	tags=38%, list=27%, signal=51%
GSE18791_UNSTIM_VS_NEWCATSLT_VIRUS_DC_10H_UF	GSE18791_UNSTIM_VS_NEV	27	0.27532917	0.94055814	0.5524753	0.885128	1	1302	tags=37%, list=26%, signal=50%
GCAAGGA_MIR-502	GCAAGGA_MIR-502	27	0.2868916	0.94052905	0.51582867	0.88493055	1	882	tags=26%, list=18%, signal=31%
GO_MONOCARBOXYLIC_ACID_METABOLIC_PROCESS	GO_MONOCARBOXYLIC_AC	182	0.21615587	0.94040495	0.52901024	0.8849621	1	1511	tags=33%, list=30%, signal=46%
MODULE_532	MODULE_532	120	0.23296446	0.94025934	0.52190477	0.8850742	1	1255	tags=28%, list=25%, signal=37%
GSE17721_CTRL_VS_LPS_4H_BMDC_DN	GSE17721_CTRL_VS_LPS_4H	57	0.24219002	0.94015676	0.54545456	0.885071	1	914	tags=26%, list=18%, signal=32%
VSPA2_01	VSPA2_01	15	0.32904062	0.9400377	0.53108346	0.8851057	1	676	tags=20%, list=14%, signal=23%
DUAN_PRDM5_TARGETS	DUAN_PRDM5_TARGETS	24	0.29522154	0.9400301	0.5223577	0.8848639	1	629	tags=21%, list=13%, signal=24%
VSEV1_05	VSEV1_05	64	0.24476749	0.93992203	0.5511364	0.88487947	1	1162	tags=28%, list=23%, signal=36%
GSE1460_INTRATHYMIC_T_PROGENITOR_VS_NAIVE_CD	GSE1460_INTRATHYMIC_T_I	61	0.24979974	0.9399012	0.5601578	0.8846671	1	566	tags=18%, list=11%, signal=18%
GSE22025_UNTREATED_VS_TGFB1_TREATED_CD4_TCELL	GSE22025_UNTREATED_VS_T	70	0.23156215	0.9398737	0.5450797	0.8846707	1	1453	tags=37%, list=29%, signal=52%
GSE24215_IL35_TREATED_VS_UNTREATED_TCONV_CD4	GSE24215_IL35_TREATED_V	55	0.26003522	0.9398437	0.549323	0.88426834	1	292	tags=15%, list=6%, signal=15%
GSE25123_CTRL_VS_ROSIGLITAZONE_STIM_MACROPH	GSE25123_CTRL_VS_ROSIGI	33	0.28334785	0.9396909	0.5371094	0.8843933	1	1367	tags=42%, list=27%, signal=58%
GSE18791_UNSTIM_VS_NEWCATSLT_VIRUS_DC_10H_UF	GSE18791_UNSTIM_VS_NEV	18	0.3044004	0.939676	0.5711538	0.8841696	1	545	tags=22%, list=11%, signal=25%
GSE17721_LPS_VS_PAM3CSK4_0.5H_BMDC_DN	GSE17721_LPS_VS_PAM3CS	62	0.23547019	0.939631	0.53249097	0.8840199	1	852	tags=21%, list=17%, signal=25%
GSE360_DC_VS_MAC_B_MALAYL_HIGH_DOSE_UP	GSE360_DC_VS_MAC_B_MA	52	0.2685604	0.9396018	0.5371094	0.8838247	1	727	tags=21%, list=15%, signal=24%
DOUGLAS_BMI1_TARGETS_DN	DOUGLAS_BMI1_TARGETS_I	71	0.26662317	0.9395958	0.5197629	0.88357365	1	1473	tags=34%, list=29%, signal=47%
GSE35543_IVO_VIVO_NTREG_VS_IVO_VITRO_ITREG_DN	GSE35543_IVO_VIVO_NTREG	47	0.2740771	0.93959284	0.51968503	0.88331455	1	1530	tags=36%, list=27%, signal=49%
GSE6674_CPG_VS_PL2_3_STIM_BCELL_UP	GSE6674_CPG_VS_PL2_3_ST	32	0.27197447	0.93957293	0.55836576	0.8831012	1	494	tags=19%, list=10%, signal=21%
GO_LIPID_MODIFICATION	GO_LIPID_MODIFICATION	64	0.26452175	0.9395311	0.5466667	0.88293964	1	1511	tags=36%, list=30%, signal=51%
GO_ERYTHROCYTE_HOMEOSTASIS	GO_ERYTHROCYTE_HOMEC	20	0.30815932	0.9395103	0.52845526	0.88273	1	1648	tags=40%, list=33%, signal=59%
MORF_MAGEA9	MORF_MAGEA9	139	0.25262471	0.9393274	0.5412844	0.8829523	1	1159	tags=25%, list=23%, signal=32%
GSE39820_IL1B_IL6_VS_IL1B_IL6_IL23A_TREATED_CD4_T	GSE39820_IL1B_IL6_VS_IL1B	78	0.23658682	0.9393166	0.5513834	0.8827188	1	1053	tags=22%, list=21%, signal=27%
GSE42021_CD24HI_TREG_VS_CD24HI_TCONV_THYMU	GSE42021_CD24HI_TREG_V	70	0.26326057	0.93930906	0.5352941	0.8824759	1	736	tags=23%, list=15%, signal=26%
GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRAN	GSE19888_ADENOSINE_A3R	62	0.2961994	0.9393038	0.532	0.88223195	1	1286	tags=34%, list=26%, signal=45%
PID_LYSOPHOSPHOLIPID_PATHWAY	PID_LYSOPHOSPHOLIPID_P	20	0.30319783	0.9392799	0.5267327	0.88203824	1	916	tags=25%, list=18%, signal=30%
GSE11924_TFH_VS_TH1_CD4_TCELL_UP	GSE11924_TFH_VS_TH1_CD	35	0.27337365	0.9392465	0.55010223	0.88185364	1	1157	tags=29%, list=23%, signal=37%
GSE37416_OH_VS_6H_FTULARENSIS_LVS_NEUTROPHIL	GSE37416_OH_VS_6H_FTUI	36	0.29517165	0.938993	0.5346165	0.8822495	1	953	tags=31%, list=19%, signal=37%
GSE13522_WT_VS_IFNG_KO_SKIN_UP	GSE13522_WT_VS_IFNG_KO	44	0.256073	0.93899184	0.5611111	0.88199115	1	600	tags=18%, list=12%, signal=20%
MYC_UP_V1_UP	MYC_UP_V1_UP	39	0.25462198	0.9387772	0.5575397	0.88227487	1	623	tags=21%, list=12%, signal=23%
GSE36527_CD62L_HIGH_VS_CD62L_LOW_TREG_CD69_N	GSE36527_CD62L_HIGH_VS	61	0.24088182	0.93866605	0.5549348	0.88227427	1	282	tags=10%, list=6%, signal=10%
MODULE_257	MODULE_257	19	0.30015385	0.9385648	0.5220729	0.8822769	1	544	tags=16%, list=11%, signal=18%
GSE24292_WT_VS_PPARG_KO_MACROPHAGE_DN	GSE24292_WT_VS_PPARG_K	45	0.2846357	0.93834877	0.53571427	0.8825642	1	489	tags=18%, list=10%, signal=20%
GSE18281_SUBCAPSULAR_VS_PERIMEDULLARY_CORTIC	GSE18281_SUBCAPSULAR_V	43	0.2685657	0.93821216	0.546371	0.8826416	1	1776	tags=51%, list=36%, signal=79%
GO_IRON_ION_BINDING	GO_IRON_ION_BINDING	50	0.2688282	0.9379482	0.5386064	0.8830341	1	1550	tags=42%, list=31%, signal=60%
GSE25085_FETAL_LIVER_VS_ADULT_BM_S4_THYMIC_I	GSE25085_FETAL_LIVER_VS	27	0.31327274	0.9379186	0.51689863	0.8828147	1	1442	tags=48%, list=29%, signal=67%
GSE27786_BCELL_VS_NEUTROPHIL_DN	GSE27786_BCELL_VS_NEUTI	57	0.2534717	0.93786645	0.5483871	0.882729	1	1139	tags=26%, list=23%, signal=34%
GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_0.5H_CD4	GSE17974_CTRL_VS_ACT_IL	46	0.27106872	0.93779564	0.52363634	0.8826349	1	666	tags=17%, list=13%, signal=26%
GO_INNER_EAR_MORPHOGENESIS	GO_INNER_EAR_MORPHOG	45	0.25533763	0.9376191	0.53696495	0.88281006	1	1012	tags=29%, list=20%, signal=36%
MORF_ESR1	MORF_ESR1	43	0.24277873	0.93694335	0.5632184	0.88421345	1	196	tags=7%, list=4%, signal=7%
GO_REGULATION_OF_CELL_SUBSTRATE_ADHESION	GO_REGULATION_OF_CELL	54	0.27242374	0.9368681	0.5257937	0.88413143	1	898	tags=24%, list=18%, signal=29%
GO_AXON_PART	GO_AXON_PART	70	0.2482811	0.9368387	0.5535714	0.8839462	1	1470	tags=37%, list=29%, signal=52%
GSE32034_UNTREATED_VS_ROSIGLITAZONE_TREATED	GSE32034_UNTREATED_VS	52	0.25630155	0.9367604	0.54025424	0.8838756	1	1470	tags=38%, list=29%, signal=54%
GO_NEURON_NEURON_SYNAPTIC_TRANSMISSION	GO_NEURON_NEURON_SYT	17	0.32129514	0.9367228	0.5415225	0.883703	1	1407	tags=41%, list=28%, signal=57%
GO_STEROL_HOMEOSTASIS	GO_STEROL_HOMEOSTASIS	19	0.31013927	0.936667	0.5487078	0.88357884	1	959	tags=26%, list=19%, signal=32%
GO_CHOLESTEROL_HOMEOSTASIS	GO_CHOLESTEROL_HOMEC	19	0.31013927	0.936667	0.5487078	0.8833171	1	959	tags=26%, list=19%, signal=32%
GSE2770_IL12_VS_TGFB_AND_IL12_TREATED_ACT_CD4	GSE2770_IL12_VS_TGFB_AN	61	0.24001995	0.9364109	0.57973737	0.88368577	1	1207	tags=33%, list=24%, signal=43%
GSE24634_NAIVE_CD4_TCELL_VS_DAYS_IL4_CONV_TREG	GSE24634_NAIVE_CD4_TCEI	48	0.27526197	0.93637025	0.5152672	0.8835129	1	700	tags=19%, list=14%, signal=23%
GSE33513_TCF7_KO_VS_HET_EARLY_THYMIC_PROGENIT	GSE33513_TCF7_KO_VS_HE	66	0.24389349	0.93627614	0.53801167	0.8834935	1	810	tags=20%, list=16%, signal=23%
GO_CORE_PROMOTER_BINDING	GO_CORE_PROMOTER_BINI	41	0.2520451	0.9362006	0.5646123	0.8834167	1	72	tags=7%, list=1%, signal=7%
GO_MYOISIN_BINDING	GO_MYOISIN_BINDING	18	0.3069754	0.93618906	0.55424064	0.8831882	1	1665	tags=44%, list=33%, signal=66%
BAELDE_DIABETIC_NEPHROPATHY_UP	BAELDE_DIABETIC_NEPHRO	29	0.2916723	0.9361789	0.5371094	0.88295287	1	839	tags=28%, list=19%, signal=33%
SYATTGTG_UNKNOWN	SYATTGTG_UNKNOWN	61	0.24325778	0.93615896	0.55058366	0.8827352	1	1433	tags=33%, list=29%, signal=45%
GSE360_CTRL_VS_B_MALAYL_LOW_DOSE_DC_UP	GSE360_CTRL_VS_B_MALAY	52	0.24312478	0.9358597	0.54457366	0.8832338	1	1079	tags=31%, list=22%, signal=39%
VSDR4_Q2	VSDR4_Q2	64	0.25108632	0.9356934	0.5544933	0.88339376	1	792	tags=20%, list=16%, signal=24%
GO_POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGR	GO_POSITIVE_REGULATION	36	0.28892327	0.93543553	0.5009709	0.883789	1	1190	tags=31%, list=24%, signal=40%
GSE27786_LIN_NEG_VS_ERYTHROBLAST_DN	GSE27786_LIN_NEG_VS_ERY	66	0.23063247	0.93511283	0.5690909	0.88436174	1	828	tags=24%, list=17%, signal=29%
GO_EMBRYONIC_ORGAN_MORPHOGENESIS	GO_EMBRYONIC_ORGAN_I	115	0.23125805	0.93507606	0.5343228	0.88419235	1	1012	tags=24%, list=20%, signal=30%
KEGG_TYROSINE_METABOLISM	KEGG_TYROSINE_METABOL	18	0.35594794	0.9350473	0.5321297	0.8840079	1	1467	tags=56%, list=29%, signal=78%
GSE32533_MIR17_KO_VS_MIR17_OVEREXPRESS_ACT_CI	GSE32533_MIR17_KO_VS_V	58	0.29803953	0.9350228	0.509165	0.88381296	1	470	tags=14%, list=9%, signal=15%
MODULE_255	MODULE_255	140	0.23033702	0.9349858	0.5582707	0.88364744	1	1255	tags=29%, list=25%, signal=37%
GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULAT	GSE46606_UNSTIM_VS_CD	61	0.23046669	0.9349844	0.5654649	0.88339305	1	367	tags=11%, list=7%, signal=12%
GO_ACTIN_MEDIATED_CELL_CONTRACTION	GO_ACTIN_MEDIATED_CELL	28	0.2771886	0.9348347	0.543058	0.88352066	1	1222	tags=29%, list=24%, signal=38%
GO_ACTIN_FILAMENT_BASED_MOVEMENT	GO_ACTIN_FILAMENT_BAS	28	0.27718857	0.9348346	0.543058	0.8832611	1	1222	tags=29%, list=24%, signal=38%
RORIE_TARGETS_OF_EWSR1_FL1_FUSION_UP	RORIE_TARGETS_OF_EWSR1	16	0.32861012	0.9346482	0.54184103	0.8834758	1	1028	tags=38%, list=21%, signal=47%
VVSUF_01	VVSUF_01	41	0.25569752	0.9346424	0.5557692	0.8832355	1	770	tags=20%, list=15%, signal=23%
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUS	YAO_TEMPORAL_RESPONSI	16	0.31782335	0.9346331	0.5487288	0.8830013	1	891	tags=25%, list=18%, signal=30%
GRABARCZYK_BCL11B_TARGETS_DN	GRABARCZYK_BCL11B_TARI	15	0.335						

GO_POSITIVE_REGULATION_OF_CANONICAL_WNT_SIGF_GO_POSITIVE_REGULATION	28	0.29171762	0.93095267	0.54942966	0.8852287	1	876	tags=32%, list=18%, signal=39%
GSE40274_FOXP3_VS_FOXP3_AND_LEF1_TRANSDUCED_GSE40274_FOXP3_VS_FOXP3	54	0.24635446	0.9307114	0.5862069	0.8855699	1	1606	tags=43%, list=32%, signal=62%
PID_HES_HEY_PATHWAY	18	0.31028882	0.9303518	0.5525773	0.8861995	1	268	tags=17%, list=5%, signal=18%
HARRIS_HYPOXIA	39	0.29108876	0.9303212	0.5243902	0.8860146	1	104	tags=10%, list=2%, signal=10%
GSE3982_EOSINOPHIL_VS_TH2_UP	45	0.23559894	0.9299481	0.5833333	0.8867055	1	890	tags=27%, list=18%, signal=32%
TGCCCANK_UNKNOW	69	0.28208292	0.9299372	0.57404023	0.8864698	1	1041	tags=29%, list=21%, signal=36%
GSE25502_WT_VS_KLF13_KO_THYMIC_MEMORY_LIKE_C_GSE25502_WT_VS_KLF13_KO	56	0.23475496	0.9295981	0.56112224	0.88706255	1	842	tags=20%, list=17%, signal=27%
GSE19923_WT_VS_HEB_KO_DP_THYMOCYTE_DN	46	0.25804102	0.9295007	0.54942966	0.88706106	1	744	tags=24%, list=15%, signal=28%
GSE43863_TH1_VS_LY6C_INT_CYCR8POS_MEMORY_CD_GSE43863_TH1_VS_LY6C_INT	68	0.25291485	0.9293321	0.54901963	0.88722456	1	912	tags=22%, list=18%, signal=27%
GSE1460_INTRATHYMIC_T_PROGENITOR_VS_THYMIC_S_GSE1460_INTRATHYMIC_T_I	79	0.27877295	0.9293051	0.5098425	0.8870312	1	1734	tags=54%, list=35%, signal=82%
GO_EXTRACELLULAR_STRUCTURE_ORGANIZATION	140	0.27587843	0.9292316	0.5223001	0.886958	1	1572	tags=39%, list=31%, signal=56%
GSE2585_THYMIC_DC_VS_THYMIC_MACROPHAGE_DN	59	0.23919742	0.9290795	0.5739645	0.8870671	1	506	tags=15%, list=10%, signal=17%
ROZANOV_MMP14_TARGETS_SUBSET	21	0.36248457	0.9289503	0.5337187	0.8871166	1	1658	tags=52%, list=33%, signal=78%
GSE46606_UNSTIM_VS_CD40L_IL2_IL5_DAY3_STIMULAT	55	0.23681862	0.92884564	0.56179774	0.8871008	1	499	tags=16%, list=10%, signal=18%
IVANOVSKA_MIR106B_TARGETS	26	0.25275395	0.9288028	0.55959594	0.8869462	1	385	tags=19%, list=8%, signal=21%
GSE45739_NRAS_KO_VS_WT_UNSTIM_CD4_TCELL_UP	50	0.2757771	0.92876947	0.52663934	0.88677573	1	1049	tags=30%, list=21%, signal=38%
GSE17721_CPG_VS_GARDIQUIMOD_24H_BMDC_DN	53	0.2561994	0.92861193	0.56673115	0.8869085	1	649	tags=21%, list=13%, signal=24%
PUIFFE_INVASION_INHIBITED_BY_ASCITES_DN	40	0.26284748	0.92852384	0.5364891	0.88687164	1	1087	tags=35%, list=22%, signal=44%
GSE3691_IFN_PRODUCING_KILLER_DC_VS_CONVENTIO	21	0.29131544	0.9284501	0.57543105	0.886816	1	414	tags=19%, list=8%, signal=21%
CHR2Q31	22	0.33100742	0.9284007	0.5313131	0.8866784	1	873	tags=32%, list=17%, signal=38%
GOLDRATH_NAIVE_VS_MEMORY_CD8_TCELL_UP	59	0.2452361	0.9282604	0.534	0.88677007	1	930	tags=25%, list=19%, signal=31%
HOXA9_DN_V1_UP	61	0.26357326	0.9282571	0.55241936	0.88652223	1	1282	tags=33%, list=26%, signal=44%
GSE9946_IMMATURE_VS_LISTERIA_INF_MATURE_DC_UP	31	0.26134232	0.9281536	0.56	0.8865317	1	1388	tags=32%, list=28%, signal=44%
GSE29618_LAI_VS_TIV_FLU_VACCINE_DAY7_MONOCY	33	0.27551317	0.92814726	0.57588357	0.88628876	1	597	tags=18%, list=12%, signal=24%
YAATNRNNYNNAT_UNKNOW	37	0.27282274	0.9281402	0.5595463	0.8865016	1	1434	tags=32%, list=29%, signal=45%
GO_REGULATION_OF_FIBROBLAST_PROLIFERATION	32	0.27167088	0.92813826	0.57947683	0.8858001	1	1379	tags=38%, list=28%, signal=51%
GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED	64	0.24019548	0.92813736	0.5719626	0.8855459	1	1472	tags=38%, list=29%, signal=52%
GO_VESICLE_LUMEN	43	0.27754942	0.92797476	0.5449438	0.8856906	1	1541	tags=40%, list=31%, signal=57%
GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_IL10_KC	48	0.26074386	0.9279153	0.55463916	0.8855771	1	700	tags=21%, list=14%, signal=24%
GSE13229_IMM_VS_MATUR_NKCELL_UP	51	0.24046888	0.92783743	0.5951493	0.88550985	1	708	tags=20%, list=14%, signal=23%
GO_ADULT_BEHAVIOR	50	0.25097623	0.9277697	0.5532646	0.8854151	1	1306	tags=32%, list=26%, signal=43%
GO_SULFUR_COMPOUND_BIOSYNTHETIC_PROCESS	69	0.23820288	0.92753655	0.57602865	0.8857325	1	1211	tags=32%, list=24%, signal=41%
MCBRYAN_PUBERTAL_TGFB1_TARGETS_DN	36	0.2765554	0.9274623	0.5303983	0.88567334	1	715	tags=22%, list=14%, signal=26%
GSE339_CD4POS_VS_CD4CD8DN_CD_CN_CULTURE_UP	56	0.24655667	0.92732323	0.5714286	0.8857367	1	610	tags=18%, list=12%, signal=20%
TGCACCTG_MIR-148A_MIR-152_MIR-148B	76	0.22955184	0.9273132	0.5588235	0.8855294	1	1443	tags=39%, list=29%, signal=55%
HOELZEL_NFL_TARGETS_DN	60	0.2836722	0.9272772	0.53093815	0.8853722	1	1525	tags=43%, list=31%, signal=62%
GSE41176_WT_VS_TAK1_KO_ANTLJGM_STIM_BCELL_24H	50	0.277886	0.9272059	0.52371544	0.8852838	1	854	tags=22%, list=17%, signal=26%
GSE39382_IL3_VS_IL3_IL33_TREATED_MAST_CELL_UP	26	0.31422441	0.9271262	0.55841583	0.8851289	1	375	tags=15%, list=8%, signal=17%
GSE13484_UNSTIM_VS_12H_YF1D_VACCINE_STIM_P8M	35	0.25758365	0.9270132	0.5510597	0.8852241	1	881	tags=26%, list=18%, signal=31%
GO_CARBOXYLIC_ESTER_HYDROLASE_ACTIVITY	40	0.2711495	0.9269274	0.5510204	0.88518643	1	1299	tags=30%, list=26%, signal=40%
GSE35543_IN_VIVO_NTREG_VS_IN_VITRO_NTREG_UP	78	0.22782972	0.9267788	0.5964912	0.8852942	1	1150	tags=29%, list=23%, signal=38%
FONTAINE_PAPILLARY_THYROID_CARCINOMA_DN	32	0.27580997	0.92672837	0.5764706	0.8851746	1	1167	tags=38%, list=23%, signal=49%
GO_AMMONIUM_ION_BINDING	21	0.29940856	0.92640376	0.5809589	0.88570935	1	1663	tags=52%, list=33%, signal=78%
GSE14769_UNSTIM_VS_ZOMIN_LPS_BMDM_DN	53	0.2424837	0.92638296	0.586	0.8855045	1	1195	tags=30%, list=24%, signal=39%
MARTINEZ_RESPONSE_TO_TARBACEDIN_UP	16	0.32496932	0.9263577	0.54741377	0.88531023	1	471	tags=13%, list=9%, signal=14%
GSE39820_CTRL_VS_TGFBETA1_IL6_IL23A_CD4_TCELL_U	36	0.29332796	0.9263498	0.5376569	0.88507426	1	321	tags=11%, list=6%, signal=12%
GSE11367_CTRL_VS_IL17_TREATED_SMOOTH_MUSCLE	42	0.25608632	0.92623305	0.5703565	0.885089	1	516	tags=14%, list=10%, signal=16%
GSE3982_DC_EFF_MEMORY_CD4_TCELL_UP	53	0.2578535	0.92608243	0.52208835	0.8852184	1	1038	tags=26%, list=21%, signal=33%
GSE16385_UNTREATED_VS_12H_ROSGLITAZONE_IL4_T	27	0.28631988	0.9259828	0.55331993	0.8852014	1	414	tags=19%, list=8%, signal=20%
V5BRN2_01	85	0.2935167	0.92592686	0.58653843	0.8850868	1	1739	tags=44%, list=35%, signal=66%
GO_NEGATIVE_REGULATION_OF_ESTABLISHMENT_OF_I	65	0.27081323	0.92575675	0.57312125	0.88525766	1	1542	tags=38%, list=31%, signal=55%
GO_SIGNALING_ADAPTOR_ACTIVITY	30	0.30490744	0.925742	0.5307377	0.885042	1	553	tags=23%, list=11%, signal=26%
V5FOXO3_01	77	0.3802365	0.92570883	0.5642994	0.8848677	1	1330	tags=31%, list=27%, signal=42%
GSE25087_TREG_VS_TCONV_ADULT_UP	70	0.2535594	0.9256618	0.52620965	0.8847249	1	676	tags=23%, list=14%, signal=26%
GSE19888_CTRL_VS_A3R_ACT_TREATED_MAST_CELL_PR	52	0.24975657	0.9256127	0.58135283	0.88457817	1	693	tags=17%, list=14%, signal=20%
GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10NEG	57	0.23936719	0.9255584	0.5893805	0.8844685	1	1322	tags=37%, list=26%, signal=50%
GSE45739_UNSTIM_VS_AC3D3_ACD28_STIM_NRAS_KO_VS	53	0.28531036	0.92536426	0.5492126	0.8846697	1	1003	tags=30%, list=20%, signal=37%
GO_BOYLAN_MULTIPLE_MYELOMA_PC3A3_DN	17	0.32370797	0.92510295	0.5461847	0.885047	1	543	tags=24%, list=11%, signal=26%
GO_CARBOHYDRATE_DERIVATIVE_METABOLIC_PROCES	273	0.19973658	0.9248933	0.5908257	0.88530624	1	928	tags=20%, list=19%, signal=23%
CAGCAGG_MIR-370	28	0.2751461	0.9247598	0.5839286	0.88538414	1	277	tags=14%, list=6%, signal=15%
GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_TRICHO	44	0.26730144	0.9246713	0.55935615	0.885353	1	866	tags=20%, list=17%, signal=25%
GO_NEGATIVE_REGULATION_OF_RESPONSE_TO_EXTER	102	0.24738252	0.92443264	0.5471698	0.88568004	1	1241	tags=26%, list=25%, signal=34%
GSE40274_FOXP3_VS_FOXP3_AND_EOS_TRANSDUCED	54	0.26797006	0.92434368	0.570297	0.8856344	1	872	tags=24%, list=17%, signal=29%
HOOI_S7_TARGETS_DN	59	0.24859457	0.9243056	0.55776894	0.8854737	1	425	tags=14%, list=9%, signal=15%
GSE44649_WT_VS_MIR155_KO_ACTIVATED_CD8_TCELL	53	0.24020298	0.92428493	0.5533597	0.8852741	1	700	tags=19%, list=14%, signal=23%
GSE9960_HEALTHY_VS_SEPSIS_PABM_UP	51	0.2526476	0.92400485	0.55283016	0.8857132	1	1170	tags=29%, list=23%, signal=38%
MITSIADES_RESPONSE_TO_APDLIN_UP	99	0.25412595	0.9239797	0.54291415	0.8855268	1	919	tags=23%, list=18%, signal=28%
GSE6674_UNSTIM_VS_CPG_STIM_BCELL_DN	27	0.27124143	0.9239524	0.5601504	0.88534355	1	100	tags=7%, list=2%, signal=8%
GSE43955_10H_VS_60H_ACT_CD4_TCELL_DN	66	0.24020438	0.9238252	0.5750452	0.88540363	1	1163	tags=33%, list=23%, signal=43%
GSE3982_MAST_CELL_VS_EFF_MEMORY_CD4_TCELL	50	0.24371113	0.92379653	0.56995887	0.88522094	1	1031	tags=30%, list=21%, signal=37%
GSE14769_UNSTIM_VS_240MIN_LPS_BMDM_DN	43	0.26896362	0.9237526	0.56850713	0.8850683	1	238	tags=12%, list=5%, signal=12%
CHR11Q23	20	0.3159049	0.9236919	0.52380955	0.88495636	1	617	tags=30%, list=12%, signal=34%
GO_NEGATIVE_REGULATION_OF_AXON_EXTENSION	16	0.31592685	0.9235118	0.5646388	0.8851466	1	597	tags=31%, list=12%, signal=35%
GO_REGULATION_OF_ORGANELLE_ASSEMBLY	17	0.32184772	0.9234732	0.5443787	0.88498026	1	1272	tags=35%, list=25%, signal=47%
GO_SENSORIAL_ORGAN_DEVELOPMENT	173	0.22406677	0.92342764	0.5507246	0.88483906	1	1510	tags=36%, list=30%, signal=50%
GO_REGULATION_OF_APOPTOTIC_SIGNALING_PATHW	105	0.2282725	0.9233699	0.5442043	0.8847264	1	942	tags=24%, list=19%, signal=29%
GSE42021_CD24INT_VS_CD24LOW_TCONV_THYMUS_U	60	0.28227726	0.9233553	0.54780877	0.8845147	1	764	tags=18%, list=15%, signal=21%
GO_POSITIVE_REGULATION_OF_REACTIVE_OXYGEN_S	20	0.3242328	0.9233333	0.53424656	0.8843205	1	249	tags=10%, list=5%, signal=10%
REACTOME_RESPONSE_TO_ELEVATED_PLATELET_CYT	24	0.3118327	0.9230924	0.5851272	0.8846532	1	1482	tags=42%, list=30%, signal=59%
GO_BONE_MINERALIZATION	19	0.29912627	0.9230912	0.5808383	0.8844036	1	1739	tags=47%, list=35%, signal=72%
GSE557_CITA_KO_VS_I_AB_KO_DC_UP	58	0.26143807	0.9230623	0.5613682	0.88422406	1	1297	tags=31%, list=26%, signal=41%
V5LHX3_01	83	0.2361482	0.92290044	0.55731225	0.88435984	1	1113	tags=27%, list=22%, signal=34%
GO_NEGATIVE_REGULATION_OF_RESPONSE_TO_WOUN	63	0.2627461	0.9224544	0.5490566	0.88520163	1	778	tags=17%, list=16%, signal=20%
GO_REGULATION_OF_CELLULAR_COMPONENT_SIZE	91	0.22251461	0.92242634	0.5708502	0.8850157	1	1190	tags=29%, list=24%, signal=37%
GSE21774_CD62L_POS_CD56_BRIGHT_VS_CD62L_N	59	0.24569754	0.92240494	0.5737052	0.88482046	1	1719	tags=47%, list=34%, signal=71%
GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_T	37	0.2638053	0.92227226	0.6043307	0.8848944	1	1442	tags=41%, list=29%, signal=57%
GO_NUCLEAR_TRANSPORT	53	0.22794096	0.9221275	0.6003824	0.8850023	1	667	tags=15%, list=13%, signal=17%
GSE17721_0.5H_VS_24H_POLYIC_BMDC_DN	33	0.28971443	0.92211264	0.548	0.88479304	1	24	tags=6%, list=0%, signal=6%
GSE42021_CD24INT_VS_CD24INT_VS_CD	53	0.23495323	0.9218592	0.57878626	0.8851837	1	1189	tags=30%, list=24%, signal=39%
GO_ADENYLATE_CYCLASE_INHIBITING_G_PROTEIN_CO	24	0.2804195	0.921632	0.54749566	0.8854855	1	1593	tags=4

GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_BC1	GSE29618_PRE_VS_DAY7_P1	29	0.27433753	0.9193484	0.56435645	0.88657665	1	831 tags=24%, list=17%, signal=29%
TGGGAGA_MIR-515-5P-MIR-519E	TGGGAGA_MIR-515-5P-MIR-519E	32	0.27556267	0.91925406	0.57088846	0.88656497	1	1719 tags=44%, list=34%, signal=66%
GO_POSITIVE_REGULATION_OF_KIDNEY_DEVELOPMENT	GO_POSITIVE_REGULATION_G0	26	0.28435576	0.91914624	0.58178437	0.88658834	1	770 tags=23%, list=15%, signal=27%
GTCCAT_MIR-183	GTCCAT_MIR-183	33	0.27311608	0.91911196	0.57699494	0.88641016	1	1093 tags=24%, list=22%, signal=31%
GSE47274_MEMORY_BCELL_VS_PLASMABLAST_DN	GSE47274_MEMORY_BCELL	26	0.27595666	0.91880668	0.58671599	0.88688885	1	1073 tags=35%, list=21%, signal=44%
GO_REGULATION_OF_DENDRITE_DEVELOPMENT	GO_REGULATION_OF_DENDR	33	0.2640874	0.91867214	0.5881262	0.88697356	1	266 tags=12%, list=5%, signal=13%
WALLACE_PROSTATE_CANCER_RACE_DN	WALLACE_PROSTATE_CANCER	31	0.26368958	0.91855526	0.58947366	0.8869897	1	1443 tags=35%, list=29%, signal=50%
LEE_LIVER_CANCER_ACOX1_DN	LEE_LIVER_CANCER_ACOX1	31	0.2862825	0.918531	0.5334572	0.886794	1	839 tags=23%, list=17%, signal=27%
GSE15930_STIM_VS_STIM_AND_IFNAB_24H_CD8_T_CELL	GSE15930_STIM_VS_STIM_A	55	0.24211204	0.91842586	0.57835823	0.8868112	1	919 tags=25%, list=18%, signal=31%
MORF_EPHA7	MORF_EPHA7	45	0.24908394	0.9183028	0.59334564	0.8868717	1	1476 tags=44%, list=30%, signal=62%
GSE21927_BALBC_VS_C57BL6_MONOCYTE_TUMOR_DN	GSE21927_BALBC_VS_C57B1	42	0.24742866	0.91827214	0.61509436	0.8866944	1	1172 tags=33%, list=23%, signal=43%
KRAS_AMP_LUNG_UP_V1_DN	KRAS_AMP_LUNG_UP_V1_DN	45	0.2482877	0.9181762	0.56949806	0.886677	1	1651 tags=42%, list=33%, signal=62%
GSE360_L_MAJOR_VS_B_MALAYI_LOW_DOSE_DC_UP	GSE360_L_MAJOR_VS_B_MF	66	0.2567933	0.918104	0.55252916	0.8866167	1	980 tags=23%, list=20%, signal=28%
V5FH4_01	V5FH4_01	74	0.23974922	0.9180767	0.55637705	0.8864429	1	1347 tags=30%, list=27%, signal=40%
GCCNNWTAAR_UNKNOWN	GCCNNWTAAR_UNKNOWN	50	0.25159675	0.91801876	0.56654674	0.8863263	1	1215 tags=32%, list=24%, signal=42%
GSE14000_TRANSLATED_RNA_VS_MRNA_DC_UP	GSE14000_TRANSLATED_R	15	0.31250364	0.9176555	0.57254905	0.88697135	1	1003 tags=27%, list=20%, signal=33%
GSE17721_POLYVIC_VS_PAM3C5K4_24H_BMDC_DN	GSE17721_POLYVIC_VS_PAM	42	0.26080084	0.9174509	0.58486706	0.8872171	1	518 tags=19%, list=10%, signal=21%
MORF_FSHR	MORF_FSHR	98	0.2311144	0.9174452	0.5744681	0.8869816	1	1102 tags=24%, list=22%, signal=31%
V5CDPCR1_01	V5CDPCR1_01	46	0.2659927	0.9173956	0.5719626	0.8868456	1	1162 tags=33%, list=23%, signal=42%
GO_REGULATION_OF_VASCULATURE_DEVELOPMENT	GO_REGULATION_OF_VASC	102	0.25961924	0.9170662	0.5443787	0.88739204	1	1407 tags=34%, list=28%, signal=47%
GSE25088_ROSILGITAZONE_VS_IL4_AND_ROSILGITAZO	GSE25088_ROSILGITAZO	41	0.2603127	0.9168842	0.57654077	0.8876172	1	1152 tags=32%, list=23%, signal=41%
RRAGTTGT_UNKNOWN	RRAGTTGT_UNKNOWN	73	0.24046177	0.91688293	0.5803922	0.88736993	1	1276 tags=30%, list=26%, signal=40%
GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_PDI	GSE29618_PRE_VS_DAY7_P1	79	0.22323145	0.9167334	0.61172163	0.8874678	1	1260 tags=29%, list=25%, signal=38%
GSE32423_IL7_VS_IL7_IL4_NAIVE_CD8_TCELL_DN	GSE32423_IL7_VS_IL7_IL4_N	58	0.24495208	0.91673326	0.5472441	0.88721836	1	462 tags=14%, list=9%, signal=15%
GSE1460_CD4_THYMOCYTE_VS_NAIVE_CD4_TCELL_ADL	GSE1460_CD4_THYMOCYTE	67	0.24190433	0.9164709	0.54313725	0.8876516	1	563 tags=15%, list=11%, signal=17%
GSE8384_CTRL_VS_B_ABORTUS_4H_MAC_CELL_LINE_UP	GSE8384_CTRL_VS_B_ABORT	53	0.24295115	0.91616917	0.59922177	0.8881443	1	445 tags=15%, list=9%, signal=16%
KEGG_RETINOL_METABOLISM	KEGG_RETINOL_METABOLIS	30	0.31953913	0.9161543	0.573975	0.8879338	1	1597 tags=47%, list=32%, signal=65%
ATACTGT_MIR-144	ATACTGT_MIR-144	52	0.26304245	0.916031	0.5641026	0.887978	1	847 tags=21%, list=17%, signal=28%
GO_CELLULAR_RESPONSE_TO_DRUG	GO_CELLULAR_RESPONSE_I	28	0.2832697	0.9159541	0.55125725	0.8879157	1	1379 tags=32%, list=28%, signal=44%
GO_SULFUR_COMPOUND_METABOLIC_PROCESS	GO_SULFUR_COMPOUND_I	112	0.22046906	0.9157712	0.62929475	0.8880997	1	1444 tags=37%, list=29%, signal=50%
TGFB_UP_V1_UP	TGFB_UP_V1_UP	73	0.25240207	0.9156212	0.5984252	0.8882027	1	910 tags=22%, list=18%, signal=26%
GSE17721_PAM3C5K4_VS_GADIQUIMOD_12H_BMDC_DN	GSE17721_PAM3C5K4_VS_C	52	0.27411792	0.9155895	0.5671937	0.8880344	1	1347 tags=35%, list=27%, signal=47%
ZHAN_MULTIPLE_MYELOMA_CD1_VS_CD2_UP	ZHAN_MULTIPLE_MYELOM	37	0.25002688	0.91556174	0.5782178	0.88785505	1	1047 tags=30%, list=21%, signal=37%
GO_CELL_JUNCTION_ASSEMBLY	GO_CELL_JUNCTION_ASSE	36	0.28738588	0.9150016	0.5734127	0.88897437	1	589 tags=20%, list=12%, signal=19%
GSE45365_NK_CELL_VS_CD8_TCELL_MCMV_INFECTION	GSE45365_NK_CELL_VS_CD1	42	0.28368977	0.91498774	0.58298755	0.88875854	1	1195 tags=29%, list=24%, signal=37%
GSE17721_0.5H_VS_4H_GARDIQUIMOD_BMDC_UP	GSE17721_0.5H_VS_4H_GA	35	0.2445584	0.9149213	0.6276392	0.8886881	1	1283 tags=34%, list=26%, signal=46%
GSE29618_PRE_VS_DAY7_FLU_VACCINE_BCELL_UP	GSE29618_PRE_VS_DAY7_FI	54	0.23951097	0.9146481	0.59266606	0.8890998	1	1114 tags=31%, list=22%, signal=40%
GGGTGGRR_VSPA4_03	GGGTGGRR_VSPA4_03	370	0.19388867	0.91450065	0.60251794	0.88921326	1	1085 tags=23%, list=22%, signal=27%
GSE20151_CTRL_VS_FUSOBACT_NUCLEUM_NEUTROI	GSE20151_CTRL_VS_FUSOB	55	0.23703948	0.91437536	0.5981308	0.8892785	1	331 tags=13%, list=7%, signal=13%
GSE21546_SAPIA_KO_VS_SAPIA_KO_AND_ELKI_KO_VS_S	GSE21546_SAPIA_KO_AN	43	0.2545376	0.91437334	0.5836653	0.8890331	1	1057 tags=30%, list=21%, signal=38%
GO_COENZYM_BINDING	GO_COENZYM_BINDING	50	0.24719095	0.9143004	0.6015625	0.8889511	1	1204 tags=30%, list=24%, signal=39%
GSE7459_UNTREATED_VS_IL6_TREATED_ACT_CD4_TCEL	GSE7459_UNTREATED_VS_I	43	0.24372089	0.9142881	0.61308414	0.88872874	1	507 tags=16%, list=10%, signal=18%
GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATED	GSE46606_DAY1_VS_DAY3_	49	0.2307604	0.91410446	0.62923354	0.88892365	1	1326 tags=31%, list=27%, signal=41%
GO_HEART_DEVELOPMENT	GO_HEART_DEVELOPMENT	149	0.23119405	0.91405666	0.55451125	0.8887835	1	1593 tags=38%, list=32%, signal=48%
GSE27786_LIN_NEG_VS_NKCELL_DN	GSE27786_LIN_NEG_VS_NK	41	0.27969417	0.9140561	0.5769231	0.88853645	1	919 tags=24%, list=18%, signal=30%
GO_CELL_FATE_SPECIFICATION	GO_CELL_FATE_SPECIFICAT	28	0.29458645	0.914056	0.5717092	0.8882884	1	717 tags=18%, list=15%, signal=21%
GSE20366_TREG_VS_NAIVE_CD4_TCELL_DN	GSE20366_TREG_VS_NAIVE	77	0.25640985	0.9139439	0.5393474	0.88830864	1	725 tags=21%, list=15%, signal=24%
GO_POSITIVE_REGULATION_OF_LYMPHOCYTE_DIFFEREI	GO_POSITIVE_REGULATIO	30	0.34350032	0.9137881	0.5708419	0.8884389	1	283 tags=13%, list=6%, signal=14%
GO_MALE_SEX_DIFFERENTIATION	GO_MALE_SEX_DIFFERENT	62	0.23754244	0.9135696	0.6184211	0.888737	1	933 tags=21%, list=19%, signal=25%
GSE16385_IFNG_TNF_VS_IL4_STIM_MACROPHAGE_UP	GSE16385_IFNG_TNF_VS_IL	39	0.27009490	0.91354007	0.57455266	0.8885562	1	1016 tags=31%, list=20%, signal=38%
GO_REGULATION_OF_PROTEIN_TYROSINE_KINASE_ACT	GO_REGULATION_OF_PROT	23	0.29255313	0.91322464	0.55705994	0.8890483	1	888 tags=26%, list=18%, signal=32%
TGTGTGA_MIR-377	TGTGTGA_MIR-377	40	0.2563826	0.91307586	0.6098039	0.8891709	1	1364 tags=35%, list=27%, signal=48%
GSE21927_SPLEEN_VS_C26GM_TUMOR_MONOCYTE_BA	GSE21927_SPLEEN_VS_C26	46	0.24734734	0.91307247	0.595057	0.8889326	1	1028 tags=24%, list=21%, signal=30%
GO_PEPIDASE_REGULATOR_ACTIVITY	GO_PEPIDASE_REGULATOR	87	0.23864259	0.91295344	0.58348626	0.88896704	1	1381 tags=32%, list=28%, signal=44%
GSE39820_CTRL_VS_IL18_IL6_IL23A_CD4_TCELL_DN	GSE39820_CTRL_VS_IL18_IL	72	0.25512321	0.9128423	0.5660377	0.88899475	1	1427 tags=33%, list=29%, signal=46%
GSE9037_CTRL_VS_LPS_1H_STIM_BMDC_DN	GSE9037_CTRL_VS_LPS_1H_	57	0.23581263	0.91278815	0.61142856	0.8888834	1	589 tags=16%, list=12%, signal=18%
GSE3982_MAST_CELL_VS_NEUTROPHIL_UP	GSE3982_MAST_CELL_VS_N	32	0.25980365	0.91247666	0.59375	0.8894107	1	956 tags=28%, list=19%, signal=35%
RUTELLA_RESPONSE_TO_HGF_VS_CSF2R2_AND_IL4_DN	RUTELLA_RESPONSE_TO_H	85	0.23996037	0.9124519	0.5934959	0.88922906	1	1083 tags=27%, list=22%, signal=34%
GO_CELLULAR_CARBOHYDRATE_METABOLIC_PROCESS	GO_CELLULAR_CARBOHYD	32	0.276775	0.91239583	0.57116103	0.8891103	1	1610 tags=41%, list=33%, signal=60%
VSPR_02	VSPR_02	38	0.2596765	0.9123565	0.59491193	0.88895124	1	1131 tags=29%, list=23%, signal=37%
LU_AGING_BRAIN_UP	LU_AGING_BRAIN_UP	111	0.24159455	0.9122236	0.5700389	0.88904506	1	1627 tags=41%, list=33%, signal=60%
HALLMARK_KRAS_SIGNALING_DN	HALLMARK_KRAS_SIGNALI	85	0.22367917	0.9120988	0.5822785	0.889109	1	836 tags=20%, list=17%, signal=24%
GO_GLUCOSE_METABOLIC_PROCESS	GO_GLUCOSE_METABOLIC_	33	0.26039478	0.91201067	0.5641026	0.8890712	1	1687 tags=45%, list=34%, signal=68%
GSE369_PRE_VS_POST_IL6_INJECTION_IFNG_WT_LIVER_	GSE369_PRE_VS_POST_IL6_I	60	0.23124316	0.9119392	0.6081331	0.8890316	1	1003 tags=27%, list=20%, signal=33%
GSE27241_WT_CTRL_VS_DIGOXIN_TREATED_RORGT_KO	GSE27241_WT_CTRL_VS_DI	54	0.24481816	0.91171205	0.58587784	0.88932014	1	576 tags=17%, list=12%, signal=19%
GSE3920_UNTREATED_VS_IFNG_TREATED_FIBROBLAST_	GSE3920_UNTREATED_VS_I	53	0.2493531	0.9116388	0.5779468	0.8892632	1	855 tags=23%, list=17%, signal=27%
BROWNE_HCMV_INFECTION_14HR_UP	BROWNE_HCMV_INFECTIO	32	0.26968038	0.9115515	0.6031434	0.88921314	1	975 tags=31%, list=20%, signal=39%
GSE14308_TH1_VS_NAIVE_CD4_TCELL_DN	GSE14308_TH1_VS_NAIVE_C	37	0.26004922	0.91142553	0.61752987	0.889263	1	1160 tags=30%, list=23%, signal=38%
GSE11864_CSF1_IFNG_VS_CSF1_PAM3C5K4_IN_MAC_DN	GSE11864_CSF1_IFNG_VS_C	38	0.26658358	0.91123974	0.57410884	0.889479	1	216 tags=11%, list=4%, signal=11%
GO_REGULATION_OF_CELLULAR_COMPONENT_BIOGEN	GO_REGULATION_OF_CELLU	190	0.21040322	0.91123176	0.6333333	0.8892517	1	1510 tags=34%, list=30%, signal=46%
MODULE_418	MODULE_418	33	0.25671038	0.9111916	0.61100566	0.8891026	1	1174 tags=30%, list=23%, signal=39%
ROZANOV_MMP14_TARGETS_UP	ROZANOV_MMP14_TARGE	127	0.2496873	0.91110835	0.5841785	0.8891243	1	1572 tags=37%, list=31%, signal=53%
GO_POSITIVE_REGULATION_OF_TRANSMEMBRANE_TR	GO_POSITIVE_REGULATIO	45	0.26012158	0.91083705	0.5808824	0.8894723	1	1025 tags=27%, list=21%, signal=33%
GSE2770_IL12_VS_TGFB_AND_IL12_TREATED_ACT_CD4_	GSE2770_IL12_VS_TGFB_A	30	0.28267765	0.9106805	0.55555556	0.88959867	1	1451 tags=37%, list=29%, signal=51%
KAAB_HEART_ATRIUM_VS_VENTRICLE_DN	KAAB_HEART_ATRIUM_VS_	78	0.22657634	0.91049105	0.6235955	0.8898108	1	993 tags=24%, list=20%, signal=30%
GSE7548_DAY7_VS_DAY28_PCC_IMMUNIZATION_CD4_	GSE7548_DAY7_VS_DAY28_	54	0.26066867	0.9103733	0.58097166	0.8898668	1	919 tags=26%, list=18%, signal=31%
PID_IL2_IPATHWAY	PID_IL2_IPATHWAY	16	0.3749678	0.91023874	0.58592135	0.8899367	1	442 tags=25%, list=9%, signal=27%
GO_BASOLATERAL_PLASMA_MBRANE	GO_BASOLATERAL_PLASMA	81	0.23415585	0.9102052	0.603321	0.8897708	1	682 tags=17%, list=14%, signal=20%
GSE13522_CTRL_VS_T_CRUZI_BRAZIL_STRAIN_INF_SKIN	GSE13522_CTRL_VS_T_CRU	44	0.23810054	0.9101558	0.6093458	0.88964075	1	1301 tags=34%, list=26%, signal=46%
GSE26030_UNSTIM_VS_RESTIM_TH1_DAY15_POST_POL	GSE26030_UNSTIM_VS_RES	46	0.25489512	0.9100416	0.5623722	0.8896684	1	292 tags=11%, list=6%, signal=11%
TTTGTGA_MIR-520D	TTTGTGA_MIR-520D	85	0.22763985	0.9099397	0.6194175	0.88967603	1	1305 tags=32%, list=26%, signal=42%
GSE17721_LPS_VS_CPG_24H_BMDC_UP	GSE17721_LPS_VS_CPG_24	50	0.24743405	0.9099285	0.5742972	0.8894544	1	1533 tags=40%, list=31%, signal=57%
GO_NEGATIVE_REGULATION_OF_ERK1_AND_ERK2_CAS	GO_NEGATIVE_REGULATIO	23	0.30341515	0.9099179	0.55576557	0.8892299	1	577 tags=22%, list=12%, signal=24%
GSE41867_NAIVE_VS_DAY15_LCMV_CONE13_EFFECTOR	GSE41867_NAIVE_VS_DAY1	41	0.2375999	0.9099147	0.62355214	0.88899153	1	1102 tags=32%, list=22%, signal=40%
GSE41176_WT_VS_TAK1_KO_ANTLIGM_STIM_BCELL_1H	GSE							



V5MZFI_02	V5MZFI_02	55	0.23297797	0.907776	0.6381119	0.8882518	1	1012	tags=25%, list=20%, signal=32%
GO_ANTIMICROBIAL_HUMORAL_RESPONSE	GO_ANTIMICROBIAL_HUMORAL_RESPONSE	26	0.31682953	0.907757	0.53346455	0.8880563	1	213	tags=12%, list=4%, signal=12%
GSE1925_CTRL_VS_3H_JFNG_STIM_JFNG_PRIMED_MACF	GSE1925_CTRL_VS_3H_JFNG_STIM_JFNG_PRIMED_MACF	64	0.23338276	0.9077154	0.6074074	0.8879121	1	1353	tags=28%, list=27%, signal=38%
GSE3982_MAST_CELL_VS_MAC_UP	GSE3982_MAST_CELL_VS_MAC_UP	42	0.24775933	0.90757674	0.6236162	0.8879784	1	1071	tags=29%, list=21%, signal=36%
KEGG_FC_EPSILON_RI_SIGNALING_PATHWAY	KEGG_FC_EPSILON_RI_SIGNALING_PATHWAY	23	0.31411597	0.9075171	0.54720616	0.8878753	1	276	tags=13%, list=6%, signal=14%
GSE3982_NEUTROPHIL_VS_NKCELL_DN	GSE3982_NEUTROPHIL_VS_NKCELL_DN	41	0.26339403	0.9074293	0.58508605	0.8878322	1	785	tags=29%, list=16%, signal=34%
GO_MESODERM_MORPHOGENESIS	GO_MESODERM_MORPHOGENESIS	24	0.2867699	0.9073011	0.5931559	0.8879107	1	1427	tags=38%, list=29%, signal=52%
H0ELZEL_NFI_TARGETS_UP	H0ELZEL_NFI_TARGETS_UP	75	0.2480063	0.9071369	0.59809524	0.8880707	1	965	tags=21%, list=19%, signal=26%
GSE17974_0.5H_VS_72H_IL4_AND_ANTIL12_ACT_CD4	GSE17974_0.5H_VS_72H_IL4_AND_ANTIL12_ACT_CD4	27	0.2823126	0.9070738	0.6003824	0.8879792	1	700	tags=26%, list=14%, signal=30%
GSE15930_STIM_VS_STIM_AND_JFNAB_24H_CD8_T_CELL	GSE15930_STIM_VS_STIM_AND_JFNAB_24H_CD8_T_CELL	55	0.24526255	0.90705705	0.58446604	0.8877804	1	965	tags=25%, list=19%, signal=31%
V5EZF_Q2	V5EZF_Q2	31	0.25833362	0.90697056	0.60780287	0.8877544	1	368	tags=13%, list=7%, signal=14%
EBAUER_TARGETS_OF_PAX3_FOXO1_FUSION_UP	EBAUER_TARGETS_OF_PAX3_FOXO1_FUSION_UP	85	0.23577994	0.9069153	0.59126985	0.88763845	1	1287	tags=31%, list=26%, signal=40%
GSE37416_12H_VS_24H_F_TULARENSIS_LVS_NEUTROPH	GSE37416_12H_VS_24H_F_TULARENSIS_LVS_NEUTROPH	27	0.28126206	0.9068749	0.5931559	0.88749546	1	1098	tags=26%, list=22%, signal=33%
GSE37301_GRANULOCYTE_MONOCYTE_PROGENITOR	GSE37301_GRANULOCYTE_MONOCYTE_PROGENITOR	32	0.26162221	0.9063408	0.616	0.88853997	1	965	tags=25%, list=19%, signal=31%
GSE3982_DC_VS_NEUTROPHIL_UP	GSE3982_DC_VS_NEUTROPHIL_UP	37	0.24884966	0.9062934	0.604	0.88840854	1	1056	tags=27%, list=21%, signal=34%
REACTOME_METABOLISM_OF_VITAMINS_AND_COFACT	REACTOME_METABOLISM_OF_VITAMINS_AND_COFACT	16	0.32784045	0.90616757	0.57367384	0.8884685	1	343	tags=19%, list=7%, signal=20%
GSE43956_WT_VS_SGK1_KO_THI71_DIFFERENTIATED_CD	GSE43956_WT_VS_SGK1_KO_THI71_DIFFERENTIATED_CD	57	0.23892161	0.90614814	0.5960854	0.8882769	1	824	tags=21%, list=16%, signal=25%
GSE2770_IL12_VS_IL4_TREA	GSE2770_IL12_VS_IL4_TREA	48	0.23128492	0.90598977	0.62705666	0.88840616	1	933	tags=25%, list=19%, signal=30%
GO_RESPONSE_TO_AMINO_ACID	GO_RESPONSE_TO_AMINO_ACID	44	0.27183855	0.90591705	0.582846	0.8883423	1	1218	tags=41%, list=24%, signal=54%
YAUCH_HEDEGHEOG_SIGNALING_PARACRINE_DN	YAUCH_HEDEGHEOG_SIGNALING_PARACRINE_DN	108	0.20947844	0.9058296	0.660746	0.8883082	1	1347	tags=31%, list=27%, signal=42%
GO_TUBE_DEVELOPMENT	GO_TUBE_DEVELOPMENT	203	0.21168196	0.9058094	0.578125	0.8881005	1	1087	tags=25%, list=22%, signal=30%
GO_BIOMINERAL_TISSUE_DEVELOPMENT	GO_BIOMINERAL_TISSUE_DEVELOPMENT	33	0.26631525	0.90579754	0.5949612	0.88789284	1	1825	tags=48%, list=37%, signal=76%
GSE37301_COMMON_LYMPHOID_PROGENITOR_VS_GR	GSE37301_COMMON_LYMPHOID_PROGENITOR_VS_GR	68	0.23520728	0.90579396	0.5896947	0.8876572	1	932	tags=24%, list=19%, signal=29%
GSE37533_UNTREATED_VS_PIOGLIZOTAMINE_TREATED_C	GSE37533_UNTREATED_VS_PIOGLIZOTAMINE_TREATED_C	41	0.24312165	0.90548325	0.6269841	0.8881737	1	934	tags=24%, list=19%, signal=29%
GSE360_CTRL_VS_T_GONDI_MAC_UP	GSE360_CTRL_VS_T_GONDI_MAC_UP	34	0.2628566	0.9052723	0.605317	0.88844055	1	703	tags=24%, list=14%, signal=27%
KEGG_ACUTE_MYELOID_LEUKEMIA	KEGG_ACUTE_MYELOID_LEUKEMIA	16	0.31592005	0.90525264	0.5531915	0.8882406	1	1162	tags=38%, list=23%, signal=49%
GSE3920_JFNA_VS_JFNG_TREATED_ENDOTHELIAL_CELL	GSE3920_JFNA_VS_JFNG_TREATED_ENDOTHELIAL_CELL	29	0.2821156	0.9052141	0.6024341	0.8880886	1	1407	tags=38%, list=28%, signal=52%
MODULE_163	MODULE_163	186	0.19226408	0.9049786	0.6735751	0.88843846	1	1389	tags=31%, list=28%, signal=42%
NIKOLSKY_BREAST_CANCER_8P12_P11_AMPLICON	NIKOLSKY_BREAST_CANCER_8P12_P11_AMPLICON	25	0.37544465	0.9049509	0.56	0.8882621	1	1558	tags=48%, list=31%, signal=69%
GSE14000_4H_VS_16H_LPS_CD_TRANSLATED_RNA_DN	GSE14000_4H_VS_16H_LPS_CD_TRANSLATED_RNA_DN	45	0.24145383	0.90492743	0.59631145	0.88807267	1	1007	tags=27%, list=20%, signal=31%
GSE40274_XBP1_VS_FOXP3_AND_XBP1_TRANSDUCED	GSE40274_XBP1_VS_FOXP3_AND_XBP1_TRANSDUCED	58	0.27495175	0.90476155	0.5917526	0.8882247	1	1137	tags=31%, list=23%, signal=40%
GSE5503_PLN_CD_VS_SPLEEN_CD_ACTIVATED_ALLOGEI	GSE5503_PLN_CD_VS_SPLEEN_CD_ACTIVATED_ALLOGEI	51	0.24826604	0.9046997	0.6070727	0.88812286	1	895	tags=24%, list=18%, signal=28%
WAMUNYOKOLI_OVARIAN_CANCER_GRADES_1_2_UP	WAMUNYOKOLI_OVARIAN_CANCER_GRADES_1_2_UP	55	0.25832927	0.90458417	0.55510205	0.88814205	1	1212	tags=31%, list=24%, signal=40%
GO_MULTICELLULAR_ORGANISM_MOVEMENT	GO_MULTICELLULAR_ORGANISM_MOVEMENT	15	0.3295179	0.9043224	0.57581574	0.8882871	1	1589	tags=53%, list=32%, signal=78%
GO_MUSCULOSKELETAL_MOVEMENT	GO_MUSCULOSKELETAL_MOVEMENT	15	0.3295179	0.9043224	0.57581574	0.8882871	1	1589	tags=53%, list=32%, signal=78%
GSE3039_CD4_TCELL_VS_ALPHAALPHA_CD8_TCELL_UP	GSE3039_CD4_TCELL_VS_ALPHAALPHA_CD8_TCELL_UP	45	0.27548477	0.9043181	0.60115606	0.8880521	1	1407	tags=38%, list=28%, signal=52%
GSE3982_BCELL_VS_EFF_MEMORY_CD4_TCELL_UP	GSE3982_BCELL_VS_EFF_MEMORY_CD4_TCELL_UP	47	0.25006688	0.904261	0.5946463	0.88794947	1	375	tags=15%, list=8%, signal=16%
GSE3982_BASOPHIL_VS_NKCELL_UP	GSE3982_BASOPHIL_VS_NKCELL_UP	58	0.24910755	0.90425485	0.58206105	0.8877506	1	1475	tags=38%, list=29%, signal=53%
GSE7764_NKCELL_VS_SPLENOCTYE_UP	GSE7764_NKCELL_VS_SPLENOCTYE_UP	66	0.26997435	0.9037641	0.5646388	0.8886502	1	576	tags=17%, list=12%, signal=19%
CAAGGAT.MIR-362	CAAGGAT.MIR-362	18	0.29783997	0.9032936	0.5932035	0.8887365	1	1022	tags=33%, list=20%, signal=42%
GO_TRANSFERASE_COMPLEX_TRANSFERRING_PHOSPH	GO_TRANSFERASE_COMPLEX_TRANSFERRING_PHOSPH	20	0.29420578	0.9035663	0.5574388	0.88864166	1	1170	tags=40%, list=23%, signal=52%
WANG_TUMOR_INVASIVENESS_UP	WANG_TUMOR_INVASIVENESS_UP	62	0.25276076	0.9035279	0.6057915	0.88848555	1	1536	tags=37%, list=31%, signal=53%
GO_CARBOHYDRATE_DERIVATIVE_BIOSYNTHETIC_PROX	GO_CARBOHYDRATE_DERIVATIVE_BIOSYNTHETIC_PROX	156	0.21471426	0.90352726	0.5925926	0.88824487	1	988	tags=23%, list=20%, signal=28%
GO_REGULATION_OF_CELLULAR_PH	GO_REGULATION_OF_CELLULAR_PH	25	0.26463276	0.9035071	0.605948	0.88804805	1	413	tags=16%, list=8%, signal=17%
GO_POSITIVE_REGULATION_OF_EPITHELIAL_TO_MESEN	GO_POSITIVE_REGULATION_OF_EPITHELIAL_TO_MESEN	15	0.32135624	0.90318	0.59165156	0.888593	1	1145	tags=47%, list=23%, signal=60%
GO_CELL_FATE_COMMITMENT	GO_CELL_FATE_COMMITMENT	100	0.26257538	0.9030391	0.60634327	0.88871485	1	1068	tags=22%, list=21%, signal=27%
MODULE_5	MODULE_5	209	0.26387674	0.9029587	0.59504133	0.8886661	1	1128	tags=28%, list=23%, signal=34%
BROWNE_HCMV_INFECTION_48HR_UP	BROWNE_HCMV_INFECTION_48HR_UP	59	0.23394231	0.9029485	0.6105675	0.88844675	1	1358	tags=36%, list=27%, signal=46%
CASORELLI.APL_SECONDARY_VS_DE_NOVO_UP	CASORELLI.APL_SECONDARY_VS_DE_NOVO_UP	17	0.27307354	0.9029266	0.59006214	0.8882565	1	2091	tags=71%, list=42%, signal=121%
GO_POSITIVE_REGULATION_OF_MYELOID_CELL_DIFFER	GO_POSITIVE_REGULATION_OF_MYELOID_CELL_DIFFER	31	0.29031807	0.9025312	0.61252445	0.88897675	1	891	tags=23%, list=18%, signal=27%
PID_ATF2_PATHWAY	PID_ATF2_PATHWAY	26	0.28757548	0.9024006	0.59960157	0.8880519	1	854	tags=23%, list=17%, signal=28%
MORF_CD8A	MORF_CD8A	46	0.24749203	0.90237504	0.59310347	0.88888115	1	766	tags=17%, list=15%, signal=20%
GSE26495_PDIHIGH_VS_PDILOW_CD8_TCELL_DN	GSE26495_PDIHIGH_VS_PDILOW_CD8_TCELL_DN	69	0.23801099	0.9023381	0.6039216	0.8887365	1	1023	tags=25%, list=20%, signal=31%
KEGG_ALZHEIMERS_DISEASE	KEGG_ALZHEIMERS_DISEASE	25	0.27297682	0.9023225	0.58925146	0.88853997	1	603	tags=16%, list=12%, signal=18%
GSE41176_WT_VS_TAK1_KC	GSE41176_WT_VS_TAK1_KC	75	0.22964354	0.9022626	0.60037524	0.8884443	1	758	tags=20%, list=15%, signal=23%
GSE17721_12H_VS_24H_CPG_BMDC_DN	GSE17721_12H_VS_24H_CPG_BMDC_DN	41	0.23842527	0.9022614	0.63883495	0.8882084	1	549	tags=17%, list=11%, signal=20%
V5CEBP_01	V5CEBP_01	90	0.23794086	0.90222925	0.59772295	0.8880405	1	1735	tags=41%, list=35%, signal=62%
GO_NEGATIVE_REGULATION_OF_INTRINSIC_APOPTOSI	GO_NEGATIVE_REGULATION_OF_INTRINSIC_APOPTOSI	29	0.2677244	0.9022035	0.5873684	0.887859	1	734	tags=21%, list=15%, signal=24%
GO_REGULATION_OF_ACTIN_FILAMENT_LENGTH	GO_REGULATION_OF_ACTIN_FILAMENT_LENGTH	38	0.26508546	0.9021259	0.5824847	0.8878099	1	1170	tags=29%, list=23%, signal=38%
GSE411_UNSTIM_VS_400MIM_IL6_STIM_SC0C5_KO_MA	GSE411_UNSTIM_VS_400MIM_IL6_STIM_SC0C5_KO_MA	37	0.26903784	0.9020125	0.5980392	0.88784534	1	1086	tags=27%, list=22%, signal=34%
GO_NEGATIVE_REGULATION_OF_GENE_EXPRESSION	GO_NEGATIVE_REGULATION_OF_GENE_EXPRESSION	378	0.19660872	0.901938	0.5869565	0.8877704	1	893	tags=19%, list=18%, signal=21%
ZHOU_INFLAMMATORY_RESPONSE_FIMA_DN	ZHOU_INFLAMMATORY_RESPONSE_FIMA_DN	66	0.23930706	0.9019259	0.5898876	0.88755435	1	1302	tags=30%, list=26%, signal=40%
HALLMARK_PANCREAS_BETA_CELLS	HALLMARK_PANCREAS_BETA_CELLS	17	0.33027175	0.9016488	0.5817223	0.8879736	1	31	tags=6%, list=1%, signal=6%
BAE_BRCA1_TARGETS_UP	BAE_BRCA1_TARGETS_UP	27	0.27478045	0.9015701	0.6036961	0.8879155	1	771	tags=22%, list=15%, signal=26%
GSE37416_CTRL_VS_6H_F_TULARENSIS_LVS_NEUTROPH	GSE37416_CTRL_VS_6H_F_TULARENSIS_LVS_NEUTROPH	36	0.27331015	0.9014381	0.5737052	0.8879735	1	1032	tags=28%, list=21%, signal=35%
WANG_MLL_TARGETS	WANG_MLL_TARGETS	148	0.24020375	0.9013378	0.5753425	0.887981	1	1765	tags=46%, list=35%, signal=69%
GO_REGULATION_OF_PROTEIN_IMPORT	GO_REGULATION_OF_PROTEIN_IMPORT	55	0.27083176	0.90128076	0.5954825	0.88787144	1	933	tags=25%, list=19%, signal=31%
BEIER_GLIOMA_STEM_CELL_UP	BEIER_GLIOMA_STEM_CELL_UP	18	0.29325607	0.9012486	0.61988306	0.8877013	1	462	tags=22%, list=9%, signal=24%
GSE38696_LIGHT_ZONE_VS_DARK_ZONE_BCELL_UP	GSE38696_LIGHT_ZONE_VS_DARK_ZONE_BCELL_UP	24	0.28988745	0.9012281	0.5689655	0.8875092	1	640	tags=21%, list=13%, signal=24%
GSE46606_UNSTIM_VS_CD40L1_IL5_3DAY_STIMULAT	GSE46606_UNSTIM_VS_CD40L1_IL5_3DAY_STIMULAT	47	0.26942146	0.90074044	0.59368837	0.88841337	1	968	tags=30%, list=19%, signal=37%
GO_GLYCEROPHOSPHOLIPID_METABOLIC_PROCESS	GO_GLYCEROPHOSPHOLIPID_METABOLIC_PROCESS	74	0.24269381	0.9007263	0.6095764	0.88821006	1	226	tags=9%, list=5%, signal=10%
BOYVAULT_LIVER_CANCER_SUBCLASS_G1_UP	BOYVAULT_LIVER_CANCER_SUBCLASS_G1_UP	30	0.2674182	0.9007126	0.60038984	0.8879999	1	1073	tags=33%, list=21%, signal=42%
GO_GLYCEROLIPID_METABOLIC_PROCESS	GO_GLYCEROLIPID_METABOLIC_PROCESS	97	0.23530722	0.90067524	0.6270872	0.8878462	1	226	tags=9%, list=5%, signal=10%
V5MEF2_02	V5MEF2_02	74	0.23332776	0.90066993	0.59962755	0.8876189	1	1150	tags=23%, list=23%, signal=29%
GSE19888_ADENOSINE_A3R_INH_VS_INH_PRETREAT_AT	GSE19888_ADENOSINE_A3R_INH_VS_INH_PRETREAT_AT	58	0.27044103	0.90027094	0.5761079	0.8883078	1	751	tags=21%, list=15%, signal=24%
MORF_ATF2	MORF_ATF2	112	0.21337758	0.900238	0.64171124	0.88815314	1	1102	tags=24%, list=22%, signal=30%
GO_POSITIVE_REGULATION_OF_STEM_CELL_PROLIFERA	GO_POSITIVE_REGULATION_OF_STEM_CELL_PROLIFERA	29	0.27398755	0.8997539	0.59574467	0.8890739	1	283	tags=17%, list=6%, signal=18%
GSE10422_WT_VS_BAFF_TRANSGENIC_LN_BCELL_UP	GSE10422_WT_VS_BAFF_TRANSGENIC_LN_BCELL_UP	28	0.26851225	0.89968854	0.61649483	0.8889899	1	890	tags=25%, list=18%, signal=30%
GSE18804_SPLEEN_MACROPHAGE_VS_COLOM_TUMOR	GSE18804_SPLEEN_MACROPHAGE_VS_COLOM_TUMOR	46	0.23072837	0.8995576	0.63883487	0.8890731	1	1301	tags=37%, list=26%, signal=49%
GO_EMBRYO_DEVELOPMENT_ENDING_IN_BIRTH_OR_EC	GO_EMBRYO_DEVELOPMENT_ENDING								



GSE360_DC_VS_MAC_L_MAJOR_UP	GSE360_DC_VS_MAC_L_MA	48	0.229312	0.89629287	0.6320939	0.8899091	1	1347	tags=35%, list=27%, signal=48%
GSE35825_IFNA_VS_IFNG_STIM_MACROPHAGE_DN	GSE35825_IFNA_VS_IFNG_S	43	0.24940605	0.89624286	0.6179541	0.8897892	1	606	tags=19%, list=12%, signal=21%
STK3_SKM_DN	STK33_SKM_DN	115	0.20587693	0.89600443	0.6471698	0.89000857	1	797	tags=18%, list=16%, signal=21%
MILL_PSEUDOPODIA_HAPTOXIS_UP	MILL_PSEUDOPODIA_HAPT	55	0.24017303	0.89591974	0.60546875	0.89007145	1	631	tags=19%, list=13%, signal=21%
HERNANDEZ_ABERRANT_MITOSIS_BY_DOCETACEL_2NH	HERNANDEZ_ABERRANT_M	39	0.26932564	0.8959152	0.6	0.88984543	1	500	tags=26%, list=17%, signal=31%
GSE360_T_GONDIIL_VS_B_MALAYI_LOW_DOSE_MAC_UP	GSE360_T_GONDIIL_VS_B_M	47	0.24297932	0.8959062	0.6199616	0.8896299	1	1453	tags=38%, list=29%, signal=53%
MORF_FOSL1	MORF_FOSL1	113	0.2075264	0.8958288	0.6625659	0.88957	1	1293	tags=25%, list=26%, signal=33%
GSE12707_AT16L1_HYPOMORPH_VS_WT_THYMUS_DN	GSE12707_AT16L1_HYPOM	30	0.24687487	0.89582545	0.63506263	0.8893401	1	997	tags=23%, list=20%, signal=29%
TGACCTY_VSERR1_Q2	TGACCTY_VSERR1_Q2	268	0.19138122	0.8956029	0.66849816	0.8896108	1	985	tags=21%, list=19%, signal=25%
GSE3982_BCELL_VS_CENT_MEMORY_CD4_TCELL_UP	GSE3982_BCELL_VS_CENT_M	67	0.25097927	0.8955386	0.59884375	0.8895253	1	628	tags=18%, list=13%, signal=20%
GO_MORPHOGENESIS_OF_AN_EPITHELIUM	GO_MORPHOGENESIS_OF_	151	0.21854225	0.8954969	0.6003824	0.8893836	1	882	tags=21%, list=18%, signal=25%
GSE15659_NAIVE_CD4_TCELL_VS_ACTIVATED_TREG_DN	GSE15659_NAIVE_CD4_TCEI	40	0.23681477	0.8951749	0.65666044	0.8899022	1	700	tags=20%, list=14%, signal=23%
GSE10147_IL3_AND_HIVP17_VS_IL3_AND_CFG_STIM_PT	GSE10147_IL3_AND_HIVP17	57	0.2211645	0.8950924	0.6726944	0.8898426	1	1389	tags=33%, list=28%, signal=46%
BROWNE_HCMV_INFECTION_30MIN_DN	BROWNE_HCMV_INFECTION	53	0.2355518	0.894982	0.6086956	0.88987595	1	386	tags=13%, list=8%, signal=14%
MODULE_459	MODULE_378	134	0.2210308	0.89494973	0.62285715	0.88971925	1	1255	tags=28%, list=25%, signal=36%
MODULE_459	MODULE_459	134	0.2210308	0.89494973	0.62285715	0.8894826	1	1255	tags=28%, list=25%, signal=36%
GSE5679_PPARG_LIGAND_ROSIGLITAZONE_VS_ROSIGLI	GSE5679_PPARG_LIGAND_F	56	0.24134944	0.8948116	0.6500994	0.8895663	1	977	tags=21%, list=20%, signal=26%
GTGACTT_MIR_224	GTGACTT_MIR_224	31	0.2536174	0.89477026	0.6254753	0.88943416	1	1648	tags=48%, list=33%, signal=72%
GO_ENHANCER_BINDING	GO_ENHANCER_BINDING	29	0.26651967	0.8946559	0.6113281	0.88946456	1	234	tags=10%, list=5%, signal=11%
GO_REGULATION_OF_COFACTOR_METABOLIC_PROCES	GO_REGULATION_OF_COFA	15	0.30133027	0.8945909	0.60227275	0.88937783	1	989	tags=40%, list=20%, signal=50%
GO_REGULATION_OF_COENZYME_METABOLIC_PROCES	GO_REGULATION_OF_COEN	15	0.30133024	0.8945908	0.60227275	0.8891418	1	989	tags=40%, list=20%, signal=50%
GSE40685_NAIVE_CD4_TCELL_VS_TREG_UP	GSE40685_NAIVE_CD4_TCEI	35	0.24776112	0.89456445	0.62222224	0.88897204	1	453	tags=14%, list=9%, signal=16%
GO_LIPID_METABOLIC_PROCESS	GO_LIPID_METABOLIC_PRO	353	0.19312769	0.89414644	0.65132743	0.889756	1	1448	tags=29%, list=29%, signal=38%
GO_S_ADENOSYLMETHIONINE_DEPENDENT METHYLTY	GO_S_ADENOSYLMETHION	16	0.3061331	0.8940269	0.60903734	0.8898114	1	120	tags=13%, list=2%, signal=13%
GSE41176_UNSTIM_VS_ANTI_IIGM_STIM_TAKI_KO_BCEL	GSE41176_UNSTIM_VS_ANI	32	0.2695906	0.8938533	0.5907258	0.8896808	1	1058	tags=25%, list=21%, signal=32%
GSE2770_IL12_VS_IL4_TREATED_ACT_CD4_TCELL_48H_D	GSE2770_IL12_VS_IL4_TREA	38	0.25540262	0.8938434	0.6270161	0.8897664	1	793	tags=24%, list=16%, signal=32%
MAHAJAN_RESPONSE_TO_IL1A_UP	MAHAJAN_RESPONSE_TO_I	45	0.2650754	0.89384305	0.6026871	0.88953084	1	342	tags=16%, list=7%, signal=17%
GSE14413_UNSTIM_VS_IFNB_STIM_L929_CELLS_UP	GSE14413_UNSTIM_VS_IFNI	38	0.25301924	0.8936378	0.6213592	0.8897825	1	1305	tags=39%, list=26%, signal=53%
REACTOME_G_ALPHA_Q_SIGNALING_EVENTS	REACTOME_G_ALPHA_Q_Si	63	0.23605873	0.89360833	0.60714287	0.889612	1	629	tags=14%, list=13%, signal=16%
VSEV11_04	VSEV11_04	85	0.2199949	0.8934356	0.6166078	0.88978934	1	1301	tags=28%, list=26%, signal=38%
GSE17721_CTRL_VS_POLYIC_6H_BMDC_UP	GSE17721_CTRL_VS_POLYIC	25	0.2650147	0.8932613	0.6152381	0.8899136	1	589	tags=16%, list=12%, signal=18%
GSE18791_UNSTIM_VS_NEWCASTLE_VIRUS_CD6H_UP	GSE18791_UNSTIM_VS_NEV	27	0.2594953	0.89321965	0.60301423	0.8898234	1	922	tags=26%, list=18%, signal=38%
GO_SODIUM_CHANNEL_REGULATOR_ACTIVITY	GO_SODIUM_CHANNEL_RE	16	0.32208097	0.89319617	0.6065259	0.88964105	1	1888	tags=50%, list=38%, signal=80%
VSTAT5A_03	VSTAT5A_03	101	0.21141852	0.8931375	0.6647834	0.8895394	1	1482	tags=35%, list=30%, signal=48%
VSP2_Q3	VSP2_Q3	60	0.28905576	0.8930826	0.6287744	0.8894291	1	894	tags=25%, list=18%, signal=34%
GSE12392_WT_VS_IFNAR_KO_CD8A_NEG_SPLEEN_CD_C	GSE12392_WT_VS_IFNAR_K	30	0.2290605	0.8929506	0.5910931	0.88952154	1	1057	tags=27%, list=21%, signal=30%
BOQUEST_STEM_CELL_DN	BOQUEST_STEM_CELL_DN	90	0.26085848	0.89280224	0.58536583	0.8896263	1	1238	tags=27%, list=25%, signal=35%
TACAATC_MIR_508	TACAATC_MIR_508	19	0.28930944	0.8927247	0.57410884	0.8895738	1	1504	tags=42%, list=30%, signal=60%
GSE32423_MEMORY_VS_NAIVE_CD8_TCELL_IL4_IL4_UP	GSE32423_MEMORY_VS_NI	69	0.22844025	0.89269286	0.6458716	0.8894075	1	705	tags=19%, list=14%, signal=22%
GO_CHROMATIN_REMODELING	GO_CHROMATIN_REMODEI	32	0.2973227	0.89264673	0.5587629	0.8892732	1	268	tags=13%, list=5%, signal=13%
GO_REGULATION_OF_POTASSIUM_ION_TRANSMEMBR	GO_REGULATION_OF_POTA	21	0.300538	0.89263463	0.59646016	0.8896087	1	1025	tags=43%, list=21%, signal=54%
GSE24574_BCL6_LOW_THF_VS_NAIVE_CD4_TCELL_DN	GSE24574_BCL6_LOW_THF	69	0.219156	0.89262486	0.68586385	0.88885224	1	471	tags=14%, list=9%, signal=16%
GSE19888_CTRL_VS_A3R_INHIBITOR_TREATED_MAST_C	GSE19888_CTRL_VS_A3R_I	40	0.26280326	0.89259523	0.5973025	0.8886799	1	566	tags=18%, list=11%, signal=20%
GO_CENTRIOLE	GO_CENTRIOLE	18	0.29194152	0.8924976	0.60784316	0.8886711	1	1017	tags=33%, list=20%, signal=42%
GSE24671_CTRL_VS_BAKMULC_INFECTED_MOUSE_SPLI	GSE24671_CTRL_VS_BAKMI	50	0.24793592	0.8924303	0.56395346	0.88859445	1	253	tags=15%, list=5%, signal=15%
GSE16385_UNTREATED_VS_IL1H_IFNG_TNF_TREATED_M	GSE16385_UNTREATED_VS	50	0.24423215	0.8923143	0.6138614	0.88863915	1	1068	tags=22%, list=21%, signal=33%
GSE8835_HEALTHY_VS_CLL_CD4_TCELL_DN	GSE8835_HEALTHY_VS_CLL	62	0.22089953	0.8922982	0.6516008	0.8884485	1	1243	tags=31%, list=25%, signal=40%
GO_LIPID_LOCALIZATION	GO_LIPID_LOCALIZATION	86	0.2362747	0.8922935	0.61228406	0.8882288	1	1018	tags=29%, list=20%, signal=27%
GO_REGULATION_OF_CANONICAL_WT_SIGNALING_P	GO_REGULATION_OF_CAN	67	0.2534577	0.89208394	0.5727788	0.8884866	1	1214	tags=36%, list=24%, signal=47%
GO_ORGANIC_HYDROXY_COMPOUND_METABOLIC_P	GO_ORGANIC_HYDROXY_C	161	0.2096121	0.8920378	0.6234234	0.8883796	1	1342	tags=29%, list=27%, signal=38%
GSE36009_UNSTIM_VS_LPS_STIM_CD4_DN	GSE36009_UNSTIM_VS_LPS	24	0.28962833	0.8920113	0.58299595	0.8882085	1	765	tags=29%, list=15%, signal=34%
GSE43955_IH_VS_60H_ACT_CD4_TCELL_WITH_TGFB_I	GSE43955_IH_VS_60H_ACT	49	0.2571606	0.8919843	0.5866935	0.88803726	1	577	tags=16%, list=12%, signal=18%
GO_ORGAN_MORPHOGENESIS	GO_ORGAN_MORPHOGENE	325	0.20556569	0.8917161	0.6127273	0.88840437	1	891	tags=20%, list=18%, signal=22%
GSE33425_CD161_HIGH_VS_NEG_CD8_TCELL_DN	GSE33425_CD161_HIGH_VS	53	0.25798443	0.8916991	0.62628335	0.88820887	1	426	tags=15%, list=9%, signal=16%
BERENJENO_TRANSFORMED_BY_RHOA_FOREVER_DN	BERENJENO_TRANSFORME	20	0.31313294	0.89165914	0.57088125	0.8880698	1	1349	tags=45%, list=27%, signal=61%
GSE17721_POLYIC_VS_GARDIQUIMOD_4H_BMDC_DN	GSE17721_POLYIC_VS_GARI	41	0.24455075	0.8914215	0.6227545	0.88838804	1	343	tags=12%, list=7%, signal=13%
GSE3982_MAST_CELL_VS_DC_UP	GSE3982_MAST_CELL_VS_D	53	0.24332996	0.8912505	0.60126615	0.88855845	1	1184	tags=28%, list=24%, signal=37%
ATF2_UP_V1_DN	ATF2_UP_V1_DN	95	0.25326174	0.8912057	0.5529412	0.88842976	1	1367	tags=33%, list=27%, signal=44%
VFOX04_02	VFOX04_02	91	0.23100576	0.8911976	0.6078067	0.8882127	1	1382	tags=31%, list=28%, signal=42%
GSE35543_IN_VIVO_NTREG_VS_CONVERTED_EX_ITREG	GSE35543_IN_VIVO_NTREG	40	0.25543985	0.89118636	0.61669827	0.888006	1	648	tags=18%, list=13%, signal=20%
GSE32901_NAIVE_VS_TH17_ENRICHED_CD4_TCELL_DN	GSE32901_NAIVE_VS_TH17	36	0.27595934	0.89114255	0.6043307	0.8878679	1	623	tags=17%, list=12%, signal=19%
GSE20366_EX_VIVO_VS_HOMEOSTATIC_CONVERSION_I	GSE20366_EX_VIVO_VS_HO	75	0.22179087	0.8911396	0.6579439	0.88764215	1	1190	tags=31%, list=24%, signal=40%
GSE15767_MED_VS_SCS_M	GSE15767_MED_VS_SCS_M	66	0.24394884	0.89095783	0.6201132	0.88781667	1	1159	tags=29%, list=23%, signal=37%
GSE5589_WT_VS_IL6_KO_LPS_STIM_MACROPHAGE_180	GSE5589_WT_VS_IL6_KO_L	37	0.2432606	0.8908941	0.6495238	0.8877376	1	1051	tags=32%, list=21%, signal=41%
GO_ATPASE_ACTIVITY_COUPLED	GO_ATPASE_ACTIVITY_COU	62	0.22182617	0.8907659	0.6743738	0.88779414	1	1018	tags=27%, list=20%, signal=34%
GSE29617_CTRL_VS_DAY7_TV_FLU_VACCINE_PBMDC_20I	GSE29617_CTRL_VS_DAY7_I	62	0.24364153	0.8907281	0.57746476	0.8876503	1	854	tags=19%, list=17%, signal=23%
GSE14308_NAIVE_CD4_TCELL_VS_INDUCED_TREG_DN	GSE14308_NAIVE_CD4_TCEI	33	0.26591402	0.8906467	0.6102362	0.8876031	1	541	tags=15%, list=11%, signal=17%
GSE17721_CTRL_VS_CPG_8H_BMDC_UP	GSE17721_CTRL_VS_CPG_8I	35	0.26407424	0.8904238	0.6130268	0.88789487	1	389	tags=17%, list=8%, signal=18%
GSE23321_C8D_STEM_CELL_MEMORY_VS_CENTRAL_ME	GSE23321_C8D_STEM_CELL	77	0.21594368	0.8903714	0.6478102	0.88778263	1	1081	tags=26%, list=22%, signal=33%
P53_DN_V2_DN	P53_DN_V2_DN	58	0.25288686	0.8902504	0.63703704	0.88783795	1	951	tags=22%, list=19%, signal=27%
GO_CELL_AGING	GO_CELL_AGING	15	0.3115904	0.89024293	0.5833333	0.8876204	1	263	tags=13%, list=5%, signal=14%
GSE360_L_MAJOR_VS_T_GONDIIL_CD4_DN	GSE360_L_MAJOR_VS_T_GC	63	0.24932223	0.89014757	0.6321627	0.8876079	1	1457	tags=35%, list=29%, signal=49%
GSE4142_PLASMA_CELL_VS_GC_BCELL_UP	GSE4142_PLASMA_CELL_VS	46	0.2384023	0.89007187	0.6483932	0.88755983	1	1686	tags=46%, list=34%, signal=69%
GO_CILIARY_MEMBRANE	GO_CILIARY_MEMBRANE	15	0.30605516	0.88997823	0.59839356	0.88755393	1	1019	tags=33%, list=20%, signal=42%
GSE29949_MICROGLIA_VS_DC_BRAIN_UP	GSE29949_MICROGLIA_VS_I	58	0.2559511	0.88985425	0.6055227	0.88761586	1	733	tags=17%, list=15%, signal=20%
WEINMANN_ADAPTATION_TO_HYPOXIA_DN	WEINMANN_ADAPTATION_	25	0.28712475	0.88938564	0.6162571	0.88847345	1	177	tags=12%, list=4%, signal=12%
MODULE_12	MODULE_12	208	0.2382697	0.88929737	0.59884834	0.8884427	1	1244	tags=32%, list=25%, signal=41%
GSE36009_UNSTIM_VS_LPS_STIM_NLRP10_KO_CD4_UP	GSE36009_UNSTIM_VS_LPS	43	0.23721156	0.8892545	0.6012146	0.88831025	1	889	tags=23%, list=18%, signal=28%
GSE11057_CD4_CENT_MEM_VS_P8MC_DN	GSE11057_CD4_CENT_MEM	58	0.25202	0.8891539	0.581749	0.88829887	1	913	tags=24%, list=18%, signal=29%
GO_REGULATION_OF_CELL_MATRIX_ADHESION	GO_REGULATION_OF_CELL	25	0.27973518	0.88914245	0.6175869	0.88809466	1	1071	tags=28%, list=21%, signal=35%
GCTNWTGK_UNKNOWN	GCTNWTGK_UNKNOWN	97	0.22718407	0.88895464	0.61142856	0.88831735	1	848	tags=22%, list=17%, signal=26%
KRAS_BREAST_UP_V1_DN	KRAS_BREAST_UP_V1_DN	54	0.23368935						

GO_ORGANIC_HYDROXY_COMPOUND_TRANSMEMBR	GO_ORGANIC_HYDROXY_C	24	0.28472087	0.88593036	0.62432915	0.8890791	1	1032 tags=29%, list=21%, signal=37%
GSE39820_CTRL_VS_IL1B_IL23A_CD4_TCELL_UP	GSE39820_CTRL_VS_IL1B_ILJ	70	0.24781619	0.88589525	0.60355003	0.8889249	1	376 tags=11%, list=8%, signal=12%
GO_POSITIVE_REGULATION_OF_INTRACELLULAR_SIGN	GO_POSITIVE_REGULATION	304	0.21451703	0.88581553	0.60466055	0.88886786	1	933 tags=19%, list=9%, signal=22%
MARTORIATI_MDM4_TARGETS_NEUROPEPTIDHUMIL_DN	MARTORIATI_MDM4_TARGI	78	0.21224444	0.88571116	0.67095599	0.88886106	1	1497 tags=38%, list=30%, signal=54%
GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_H	GSE30971_CTRL_VS_LPS_ST	53	0.27271977	0.8856	0.5612648	0.8888927	1	1018 tags=25%, list=20%, signal=30%
GO_POSITIVE_REGULATION_OF_REPRODUCTIVE_PROCE	GO_POSITIVE_REGULATION	24	0.29002927	0.8855306	0.592827	0.8888139	1	1493 tags=46%, list=30%, signal=65%
VSOCI1_B	VSOCI1_B	104	0.21402785	0.8855376	0.6429942	0.8889571	1	1661 tags=43%, list=33%, signal=63%
GO_EMBRYONIC_HEART_TUBE_MORPHOGENESIS	GO_EMBRYONIC_HEART_TL	18	0.28321508	0.8852441	0.63	0.888992	1	386 tags=17%, list=8%, signal=18%
GSE14308_INDUCED_VS_NATURAL_TREG_UP	GSE14308_INDUCED_VS_N	40	0.23232682	0.88512566	0.6660617	0.88903445	1	1439 tags=43%, list=29%, signal=59%
GSE22886_NAIVE_TCELL_VS_NEUTROPHIL_DN	GSE22886_NAIVE_TCELL_VS	86	0.24024619	0.88510334	0.6203704	0.88885367	1	488 tags=13%, list=10%, signal=14%
MODULE_95	MODULE_95	185	0.1887517	0.8850995	0.7252174	0.88863343	1	1389 tags=31%, list=28%, signal=41%
GSE45365_WT_VS_IFNAR_KO_CD11B_DC_UP	GSE45365_WT_VS_IFNAR_K	48	0.2392697	0.88465655	0.64315355	0.8894249	1	1178 tags=29%, list=24%, signal=38%
GO_ENZYME_BINDING	GO_ENZYME_BINDING	397	0.17902892	0.88441108	0.74047184	0.88975483	1	958 tags=20%, list=19%, signal=23%
GSE17721_LPS_VS_PAM3CSK4_6H_BMDC_UP	GSE17721_LPS_VS_PAM3CS	48	0.2479643	0.8843693	0.6245211	0.8896192	1	940 tags=25%, list=19%, signal=30%
SWEET_LUNG_CANCER_KRAS_DN	SWEET_LUNG_CANCER_KR	194	0.24788807	0.8841376	0.5626243	0.8899066	1	792 tags=23%, list=16%, signal=26%
GSE21670_TGFb_VS_TGFb_AND_IL6_TREATED_CD4_TCE	GSE21670_TGFb_VS_TGFb_	37	0.28509855	0.8841	0.5952381	0.8897527	1	1032 tags=27%, list=21%, signal=34%
GO_COLLAGEN_FIBRIL_ORGANIZATION	GO_COLLAGEN_FIBRIL_ORG	19	0.39560527	0.88393787	0.6035156	0.8898006	1	1877 tags=68%, list=38%, signal=109%
GO_MESENCHYME_DEVELOPMENT	GO_MESENCHYME_DEVELC	89	0.2421257	0.88385075	0.59923667	0.8898654	1	882 tags=25%, list=18%, signal=29%
GO_NON_CANONICAL_WNT_SIGNALING_PATHWAY	GO_NON_CANONICAL_WN	34	0.262788	0.88332236	0.61969113	0.8909044	1	958 tags=32%, list=19%, signal=40%
GSE40655_FOXO1_KO_VS_WT_NTREG_UP	GSE40655_FOXO1_KO_VS_V	22	0.2845838	0.88330066	0.62835246	0.89072824	1	226 tags=14%, list=9%, signal=14%
GSE20500_CTRL_VS_RETINOIC_ACID_TREATED_CD4_TCE	GSE20500_CTRL_VS_RETIN	58	0.22986858	0.88317907	0.6716141	0.8907854	1	1410 tags=34%, list=28%, signal=47%
DORN_ADENOVIRUS_INFECTION_12HR_DN	DORN_ADENOVIRUS_INFE	17	0.30660304	0.8829541	0.6070686	0.89106214	1	828 tags=29%, list=17%, signal=35%
GO_COFACTOR_BINDING	GO_COFACTOR_BINDING	77	0.21293296	0.88286453	0.6916221	0.8910476	1	1312 tags=32%, list=26%, signal=43%
GSE41978_WT_VS_BIM_KLKG1_LOW_EFFECTOR_CD	GSE41978_WT_VS_BIM_KO	65	0.21331176	0.882825	0.6578483	0.8909116	1	1319 tags=31%, list=26%, signal=43%
GSE6092_CTRL_VS_BORRELLIA_BIRGDOFERI_INF_ENDOTI	GSE6092_CTRL_VS_BORRELL	43	0.23416984	0.8827908	0.67608285	0.89075994	1	705 tags=19%, list=14%, signal=21%
KEGG_NEUTROPHIN_SIGNALING_PATHWAY	KEGG_NEUTROPHIN_SIG	27	0.28065595	0.8827709	0.5976331	0.890712	1	440 tags=15%, list=9%, signal=16%
GSE22527_ANT1_CD3_INVIVO_UNTREATED_MOUSE	GSE22527_ANT1_CD3_INVIV	47	0.23087665	0.8826843	0.6727273	0.89053476	1	836 tags=19%, list=17%, signal=23%
GSE3982_MAC_VS_NEUTROPHIL_LPS_STIM_DN	GSE3982_MAC_VS_NEUTRC	49	0.22038394	0.88260375	0.6642105	0.89170015	1	924 tags=22%, list=18%, signal=27%
DORN_ADENOVIRUS_INFECTION_24HR_DN	DORN_ADENOVIRUS_INFE	20	0.29874843	0.881848	0.6080508	0.8919769	1	1473 tags=40%, list=29%, signal=56%
GO_VESICLE_MEDIATED_TRANSPORT	GO_VESICLE_MEDIATED_TR	277	0.19904471	0.881809	0.60597915	0.8918457	1	919 tags=19%, list=18%, signal=23%
GSE25088_CTRL_VS_IL4_AND_ROSILGATAZONE_STIM_M	GSE25088_CTRL_VS_IL4_AN	67	0.22638589	0.88177866	0.62909836	0.89168066	1	1076 tags=22%, list=22%, signal=28%
GSE20152_HTNFA_OVERPRESS_ANKLE_VS_CTRL_SPHK	GSE20152_HTNFA_OVERXP	46	0.2371569	0.8815185	0.64171124	0.89203405	1	1079 tags=33%, list=22%, signal=41%
GSE10147_IL3_VS_IL3_AND_HIVP17_STIM_PDCD_DN	GSE10147_IL3_VS_IL3_AND	58	0.23482192	0.8815065	0.62475824	0.8918304	1	1720 tags=43%, list=34%, signal=65%
GSE21063_CTRL_VS_ANT1JGM_STIM_BCELL_16H_DN	GSE21063_CTRL_VS_ANT1J	69	0.22934659	0.88144445	0.6524272	0.89173675	1	1380 tags=35%, list=28%, signal=47%
GSE9037_WT_VS_IRAK4_KO_LPS_1H_STIM_BMDM_UP	GSE9037_WT_VS_IRAK4_KO	41	0.26595906	0.88117534	0.5952849	0.8921161	1	1093 tags=27%, list=22%, signal=34%
VSLEF1_Q2	VSLEF1_Q2	68	0.22448505	0.881164	0.64312977	0.8919131	1	186 tags=9%, list=4%, signal=9%
GO_GERM_CELL_DEVELOPMENT	GO_GERM_CELL_DEVELOP	53	0.23584361	0.8811321	0.6368613	0.89175904	1	957 tags=25%, list=19%, signal=30%
GO_CARBOHYDRATE_CATABOLIC_PROCESS	GO_CARBOHYDRATE_CATA	25	0.27824917	0.88110536	0.60261196	0.89158636	1	852 tags=28%, list=17%, signal=34%
GO_POSITIVE_REGULATION_OF_EPITHELIAL_CELL_PROL	GO_POSITIVE_REGULATION	76	0.2428902	0.88092934	0.60877866	0.8916419	1	919 tags=24%, list=18%, signal=29%
GO_POSITIVE_REGULATION_OF_FIBROBLAST_PROLIFER	GO_POSITIVE_REGULATION	27	0.26806918	0.88053906	0.6646586	0.8924502	1	1379 tags=37%, list=28%, signal=51%
GO_GASTRULATION	GO_GASTRULATION	53	0.26227233	0.88048434	0.5881188	0.89235	1	1512 tags=38%, list=30%, signal=54%
GO_AMMONIUM_ION_METABOLIC_PROCESS	GO_AMMONIUM_ION_MET	52	0.24976891	0.8804588	0.63503647	0.8921795	1	253 tags=12%, list=5%, signal=12%
GSE13306_TREG_VS_TCONV_SPLEEN_DN	GSE13306_TREG_VS_TCON	63	0.21624672	0.8803625	0.67120624	0.89217633	1	1007 tags=24%, list=20%, signal=28%
GSE45365_NK_CELL_VS_CD8_TCELL_DN	GSE45365_NK_CELL_VS_CDI	44	0.22912642	0.87995267	0.6723164	0.8928926	1	1159 tags=30%, list=23%, signal=39%
GSE17721_CTRL_VS_LPS_12H_BMDC_UP	GSE17721_CTRL_VS_LPS_12	35	0.25987035	0.8799247	0.63527054	0.8927253	1	852 tags=26%, list=17%, signal=31%
GSE41867_DAY6_EFFECTOR_VS_DAY30_EXHAUSTED_CT	GSE41867_DAY6_EFFECTOR	27	0.27891338	0.8797978	0.624031	0.89278877	1	920 tags=30%, list=18%, signal=36%
GSE1460_INTRATHYMIC_T_PROGENITOR_VS_CD4_THY	GSE1460_INTRATHYMIC_T	52	0.23770334	0.87976277	0.65120965	0.892639	1	1060 tags=31%, list=21%, signal=39%
AGTTCTC-MIR-146A-MIR-146B	AGTTCTC-MIR-146A-MIR-1	17	0.28886178	0.87972796	0.63529414	0.8924888	1	1523 tags=35%, list=30%, signal=51%
BRUECKNER_TARGETS_OF_TILRETTA3_DN	BRUECKNER_TARGETS_OF_I	38	0.2820387	0.879709	0.589942	0.8923031	1	1525 tags=42%, list=31%, signal=60%
GSE37416_OH_VS_12H_F_MILRENTSIN_VS_NEUTROPHI	GSE37416_OH_VS_12H_F_TL	42	0.255635	0.8796002	0.63237415	0.89233166	1	883 tags=26%, list=18%, signal=32%
GO_POSITIVE_REGULATION_OF_CALCMIUM_ION_TRANSF	GO_POSITIVE_REGULATION	18	0.32248944	0.8794541	0.59713703	0.892433	1	1506 tags=44%, list=30%, signal=63%
GO_AXON	GO_AXON	133	0.24515199	0.8794436	0.6465364	0.8922705	1	540 tags=14%, list=11%, signal=16%
GSE17580_UNINFECTED_VS_MANSONIINF_TREG_UP	GSE17580_UNINFECTED_VS	52	0.26162672	0.8792922	0.59770113	0.892335	1	36 tags=8%, list=1%, signal=8%
DURCHDEWALD_SKIN_CARCINOGENESIS_DN	DURCHDEWALD_SKIN_CAR	85	0.22119719	0.8791489	0.67315173	0.89244115	1	887 tags=24%, list=18%, signal=28%
GO_NEGATIVE_REGULATION_OF_PROTEIN_SERINE_THR	GO_NEGATIVE_REGULATIO	39	0.2613086	0.879109	0.61740893	0.89230704	1	1130 tags=33%, list=23%, signal=43%
PTEN_DN_V2_DN	PTEN_DN_V2_DN	50	0.21766643	0.8790357	0.6853282	0.8922438	1	1297 tags=32%, list=26%, signal=40%
GSE6269_E_COLI_VS_STAPH_AUREUS_INF_PBMC_UP	GSE6269_E_COLI_VS_STAPH	47	0.25631678	0.87900573	0.63148147	0.89208657	1	536 tags=19%, list=11%, signal=21%
GSE22432_UNTREATED_VS_TGFB1_TREATED_COMMON	GSE22432_UNTREATED_VS	48	0.23940378	0.8789831	0.6095041	0.8919083	1	1488 tags=38%, list=30%, signal=53%
GSE26345_UNSTIM_VS_LPS_STIM_MACROPHAGE_DN	GSE26345_UNSTIM_VS_LPS	48	0.234546	0.87893933	0.6262425	0.89177614	1	178 tags=8%, list=4%, signal=9%
GSE4590_SMALL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	GSE4590_SMALL_VS_VPREB	59	0.21657628	0.8788002	0.6743295	0.89186794	1	235 tags=10%, list=5%, signal=11%
GSE16522_MEMORY_VS_NAIVE	GSE16522_MEMORY_VS_NA	44	0.24032685	0.87879354	0.65120965	0.89165395	1	530 tags=18%, list=11%, signal=20%
PID_ARF6_TRAFFICKING_PATHWAY	PID_ARF6_TRAFFICKING_PA	17	0.3113239	0.87872946	0.61396307	0.8915895	1	1407 tags=41%, list=28%, signal=57%
GSE12198_NK_VS_NK_ACT_EXPANSION_SYSTEM_DERIV	GSE12198_NK_VS_NK_ACT	48	0.24184054	0.8786062	0.630303	0.8916376	1	734 tags=19%, list=15%, signal=22%
GO_NEGATIVE_REGULATION_OF_PEPTIDASE_ACTIVIT	GO_NEGATIVE_REGULATIO	97	0.22138321	0.87820494	0.64324325	0.8923217	1	926 tags=22%, list=19%, signal=26%
SASSON_RESPONSE_TO_GONADOTROPHINS_UP	SASSON_RESPONSE_TO_GC	18	0.2680322	0.87802035	0.6679317	0.8925187	1	622 tags=22%, list=12%, signal=25%
GTGGGTGK_UNKNOWN	GTGGGTGK_UNKNOWN	92	0.21115062	0.8778084	0.6703704	0.89276433	1	1145 tags=24%, list=23%, signal=30%
HAN_SATB1_TARGETS_UP	HAN_SATB1_TARGETS_UP	175	0.21681613	0.8777252	0.60465115	0.8927335	1	791 tags=17%, list=16%, signal=20%
GSE12845_JGD_POS_BLOOD_VS_PRE_GC_TONSIL_BCELL	GSE12845_JGD_POS_BLOOC	42	0.24239874	0.8777157	0.65680474	0.8925281	1	995 tags=24%, list=20%, signal=29%
VSMYCMAX_Q2	VSMYCMAX_Q2	64	0.22320674	0.87767094	0.7011278	0.8925472	1	576 tags=14%, list=12%, signal=16%
GSE2585_CTEC_VS_MTEC_THYMUS_UP	GSE2585_CTEC_VS_MTEC_T	46	0.24380338	0.87756896	0.65882355	0.8924199	1	771 tags=24%, list=15%, signal=28%
FRIDMAN_SENESCENCE_UP	FRIDMAN_SENESCENCE_UP	34	0.2852822	0.8775292	0.6144814	0.8922836	1	1127 tags=38%, list=23%, signal=49%
GSE32255_WT_UNSTIM_VS_JMD2D_KNOCKDOWN_4H	GSE32255_WT_UNSTIM_VS	52	0.24393019	0.87743694	0.6391129	0.8922708	1	1047 tags=25%, list=21%, signal=31%
GO_RESPONSE_TO_LIPID	GO_RESPONSE_TO_LIPID	357	0.20232375	0.87738717	0.6654064	0.8921526	1	891 tags=20%, list=18%, signal=22%
V5FOX_Q2	V5FOX_Q2	73	0.2380008	0.877322	0.63582677	0.8920701	1	1498 tags=34%, list=30%, signal=48%
GO_METANEPHROS_MORPHOGENESIS	GO_METANEPHROS_MORP	16	0.29666235	0.87731105	0.6549815	0.8918644	1	848 tags=31%, list=17%, signal=38%
GSE2826_XID_VS_BTK_KO_BCELL_UP	GSE2826_XID_VS_BTK_KO_B	45	0.24611686	0.8772047	0.62454873	0.8918747	1	1145 tags=29%, list=23%, signal=37%
SILIGAN_BOUND_BY_EWS_FT1_FUSION	SILIGAN_BOUND_BY_EWS_F	15	0.3140873	0.8769799	0.62628335	0.89213794	1	676 tags=27%, list=14%, signal=31%
GO_REGULATION_OF_PROTEIN_MODIFICATION_PROCE	GO_REGULATION_OF_PROT	480	0.19045967	0.8769481	0.6780952	0.8919883	1	958 tags=20%, list=19%, signal=22%
GSE22886_IL2_VS_IL15_STIM_NKCELL_DN	GSE22886_IL2_VS_IL15_STI	28	0.24794734	0.8768993	0.67105263	0.8918971	1	937 tags=25%, list=19%, signal=31%
GSE19888_ADENOSINE_A3R_INH_PRETREAT_AND_ACT	GSE19888_ADENOSINE_A3	34	0.25568897	0.87688667	0.62873137	0.89169466	1	1302 tags=41%, list=26%, signal=55%
VSSREBP1_Q1	VSSREBP1_Q1	30	0.2485501	0.8767241	0.6548507	0.89184487	1	590 tags=17%, list=12%, signal=19%
MANALO_HYPOXIA_UP	MANALO_HYPOXIA_UP	84	0.24077615	0.8767095	0.59238094	0.8916479	1	792 tags=20%, list=16%, signal=24%
GO_REGULATION_OF_VESICLE_FUSION	GO_REGULATION_OF_VESIC	15	0.29762218	0.87667745	0.6175373	0.89150065	1	384 tags=13%, list=8%, signal=14%
GSE22589_HEALTHY_VS_SIV_INFECTED_DC_DN	GSE22589_HEALTHY_VS_SIV	49	0.26152444	0.87646306	0.60541599	0.89173293	1	1145 tags=24%, list=23%, signal=31%
GSE19941_UNSTIM_VS_LPS_STIM_IL10_KO_MACROPHA	GSE19941_UNSTIM_VS_LPS	63	0.22614399	0.8763655	0.6507937	0.8917317	1	1388 tags=3

BOSCO_ALLERGEN_INDUCED_TH2_ASSOCIATED_MODL	BOSCO_ALLERGEN_INDUCE	64	0.26622337	0.87431735	0.5953307	0.89121294	1	579 tags=16%, list=12%, signal=17%
VS1K2_01	VS1K2_01	87	0.22312076	0.8742995	0.6356589	0.8910287	1	1162 tags=31%, list=23%, signal=40%
GO_ORGAN_OR_TISSUE_SPECIFIC_IMMUNE_RESPONSE	GO_ORGAN_OR_TISSUE_SPI	16	0.23529889	0.874186	0.5963489	0.891055	1	13 tags=6%, list=0%, signal=6%
VSEGR1_01	VSEGR1_01	60	0.23171575	0.8741608	0.6328872	0.8908111	1	1356 tags=37%, list=27%, signal=50%
GO_POSITIVE_REGULATION_OF_ERK1_AND_ERK2_CASC	GO_POSITIVE_REGULATION	71	0.2522573	0.8741184	0.61142856	0.8907614	1	881 tags=23%, list=18%, signal=27%
GSE22025_UNTREATED_VS_TGFB1_AND_PROGESTERON	GSE22025_UNTREATED_VS	71	0.23111289	0.87384444	0.71949	0.89113307	1	684 tags=17%, list=14%, signal=19%
GSE27786_LIN_NEG_VS_NEUTROPHIL_DN	GSE27786_LIN_NEG_VS_NEI	32	0.249322	0.87382007	0.6395349	0.8909594	1	1439 tags=38%, list=29%, signal=52%
GROSS_ELK3_TARGETS_UP	GROSS_ELK3_TARGETS_UP	17	0.3189161	0.87374943	0.6095041	0.8908828	1	1460 tags=59%, list=29%, signal=83%
GO_TRANSCRIPTIONAL_ACTIVATOR_ACTIVITY_RNA_PO	GO_TRANSCRIPTIONAL_AC	85	0.21590336	0.8737385	0.6836935	0.89068294	1	951 tags=21%, list=19%, signal=33%
GSE3982_DC_VS_BASOPHIL_UP	GSE3982_DC_VS_BASOPHIL	46	0.25725934	0.873699	0.5981308	0.8905545	1	1467 tags=35%, list=29%, signal=49%
GSE15659_TREG_VS_TCONV_UP	GSE15659_TREG_VS_TCONV	50	0.21234117	0.87364936	0.7319778	0.8904426	1	1197 tags=30%, list=24%, signal=39%
GO_RESPONSE_TO_CORTICOSTEROID	GO_RESPONSE_TO_CORTIC	84	0.22919497	0.8735667	0.6145038	0.89040065	1	980 tags=27%, list=20%, signal=33%
TGANNYRGA_VSTCF11MAFG_01	TGANNYRGA_VSTCF11MA	81	0.22372864	0.8734706	0.6344086	0.8903224	1	1287 tags=27%, list=26%, signal=36%
INGRAM_SHH_TARGETS_DN	INGRAM_SHH_TARGETS_DN	37	0.27709073	0.8734242	0.6080808	0.8902852	1	722 tags=19%, list=14%, signal=22%
WESTON_VEGFA_TARGETS_12HR	WESTON_VEGFA_TARGETS	25	0.31289622	0.87324566	0.58906883	0.8904675	1	1885 tags=48%, list=38%, signal=77%
GSE4748_LPS_VS_LPS_AND_CYANOBACTERIUM_LPSLIKI	GSE4748_LPS_VS_LPS_AND	42	0.23609166	0.8732353	0.6846847	0.89027375	1	553 tags=17%, list=11%, signal=19%
GO_METALLOCARBOXYPEPTIDASE_ACTIVITY	GO_METALLOCARBOXYPEP	16	0.29644382	0.87314546	0.625969	0.8902479	1	1409 tags=63%, list=28%, signal=87%
ZHAN_MULTIPLE_MYELOMA_C01_AND_CD2_CD_N	ZHAN_MULTIPLE_MYELOMA	18	0.28745028	0.873098	0.65286	0.8901338	1	649 tags=28%, list=13%, signal=32%
SMIRNOV_RESPONSE_TO_IR_2HR_UP	SMIRNOV_RESPONSE_TO_IR	17	0.31430647	0.87296796	0.62718445	0.89022094	1	1349 tags=35%, list=27%, signal=48%
DACOSTA_EIRC3_ALLELE_XPCS_VS_TTD_DN	DACOSTA_EIRC3_ALLELE_X	20	0.3166513	0.8729102	0.5984252	0.89013517	1	1193 tags=40%, list=24%, signal=52%
GSE43955_1H_VS_10H_ACT_CD4_TCELL_UP	GSE43955_1H_VS_10H_ACT	42	0.25874132	0.87283355	0.6129666	0.8900686	1	239 tags=10%, list=5%, signal=10%
GSE9946_IMMATURE_VS_PROSTAGLANDINE2_TREATED	GSE9946_IMMATURE_VS_PI	33	0.2644649	0.8726181	0.6446602	0.8903082	1	469 tags=15%, list=9%, signal=17%
GSE19772_HCMV_INF_VS_HCMV_INF_MONOCYTES_AI	GSE19772_HCMV_INF_VS_	62	0.23151429	0.87254995	0.675	0.8902312	1	589 tags=18%, list=12%, signal=20%
KEGG_MAPK_SIGNALING_PATHWAY	KEGG_MAPK_SIGNALING_P	84	0.21634756	0.8724716	0.67093235	0.89018977	1	1323 tags=30%, list=28%, signal=40%
GERHOLD_ADIPOGENESIS_UP	GERHOLD_ADIPOGENESIS_I	23	0.3209441	0.87245923	0.5950096	0.8899563	1	1444 tags=52%, list=29%, signal=73%
GSE40274_EOS_VS_FOXP3_AND_EOS_TRANSDUCED_AC	GSE40274_EOS_VS_FOXP3_	42	0.24271494	0.87241524	0.68439716	0.8898622	1	955 tags=26%, list=19%, signal=33%
GSE14769_20MIN_VS_360MIN_LPS_BMDM_DN	GSE14769_20MIN_VS_360M	51	0.23195188	0.8723734	0.66938776	0.88974285	1	797 tags=22%, list=16%, signal=25%
GSE25123_ROSIGLITAZONE_VS_IL4_AND_ROSIGLITAZO	GSE25123_ROSIGLITAZONE	36	0.23373558	0.87218547	0.69481766	0.88994724	1	1155 tags=33%, list=23%, signal=43%
GSE27786_LSK_VS_LIN_NEG_CELL_UP	GSE27786_LSK_VS_LIN_NEG	43	0.22963014	0.8720824	0.6787149	0.8898664	1	989 tags=26%, list=20%, signal=32%
GSE3982_BASOPHIL_VS_EFF_MEMORY_CD4_TCELL_DN	GSE3982_BASOPHIL_VS_EFF	47	0.23122077	0.8720753	0.68679243	0.88976187	1	1326 tags=32%, list=27%, signal=43%
GO_GOLGI_APPARATUS	GO_GOLGI_APPARATUS	359	0.1909361	0.872063	0.6986817	0.88956356	1	1379 tags=29%, list=28%, signal=37%
GSE23308_CTRL_VS_CORTICOSTERONE_TREATED_MACI	GSE23308_CTRL_VS_CORTI	45	0.2365084	0.87198263	0.64102566	0.8895236	1	1485 tags=42%, list=30%, signal=60%
GSE12484_HEALTHY_VS_PERIDONTITIS_NEUTROPHILS_I	GSE12484_HEALTHY_VS_PE	58	0.21604246	0.8719389	0.7063063	0.88940203	1	1416 tags=36%, list=28%, signal=50%
GSE21063_CTRL_VS_ANTI_ILGM_STIM_BCELL_NFATC1_K	GSE21063_CTRL_VS_ANTI_I	49	0.2541334	0.8719114	0.609375	0.8892389	1	854 tags=22%, list=17%, signal=27%
YTAAYNGCT_UNKNOWN	YTAAYNGCT_UNKNOWN	63	0.2317544	0.87182224	0.6747212	0.88920087	1	970 tags=22%, list=19%, signal=27%
MODULE_427	MODULE_427	31	0.26011205	0.8717618	0.65995973	0.8891159	1	1735 tags=52%, list=35%, signal=79%
GSE26928_CENTR_MEMORY_VS_CKCR5_POS_CD4_TCEL	GSE26928_CENTR_MEMOR	48	0.23246065	0.8717611	0.66539663	0.88889414	1	1202 tags=27%, list=24%, signal=35%
STK33_UP	STK33_UP	109	0.22535793	0.8715905	0.6043307	0.88906497	1	1437 tags=31%, list=29%, signal=43%
RTAAACA_VSFREAC2_01	RTAAACA_VSFREAC2_01	306	0.19695826	0.871334	0.65340906	0.8894011	1	1305 tags=27%, list=26%, signal=34%
GSE41176_UNSTIM_VS_ANTI_ILGM_STIM_BCELL_24H_UP	GSE41176_UNSTIM_VS_ANI	75	0.21903574	0.871226	0.6494024	0.8894101	1	942 tags=25%, list=19%, signal=31%
GSE37532_WT_VS_PPARG_KO_VISCERAL_ADIPOSE_TISS	GSE37532_WT_VS_PPARG_K	25	0.26514027	0.87117636	0.6699209	0.8892946	1	570 tags=24%, list=11%, signal=29%
GO_NUCLEIC_ACID_BINDING_TRANSCRIPTION_FACTOR	GO_NUCLEIC_ACID_BINDIN	313	0.18940943	0.8710935	0.7009709	0.8892667	1	1191 tags=24%, list=24%, signal=27%
GO_CELL_ADHESION_MOLECULE_BINDING	GO_CELL_ADHESION_MOLE	73	0.2619156	0.8710744	0.6141414	0.889079	1	994 tags=26%, list=20%, signal=32%
REACTOME_CYTOCHROME_P450_ARRANGED_BY_SUBS	REACTOME_CYTOCHROME	24	0.2827094	0.8709448	0.64504504	0.8891405	1	1550 tags=42%, list=31%, signal=60%
GSE17721_POLYIC_VS_CPG_16H_BMDC_DN	GSE17721_POLYIC_VS_CPG	41	0.23182347	0.870918	0.66533065	0.88898075	1	830 tags=24%, list=17%, signal=29%
GNF2_MYL2	GNF2_MYL2	16	0.31832635	0.87089574	0.6086956	0.88881284	1	1708 tags=50%, list=34%, signal=76%
MTOR_UP_N4.V1_DN	MTOR_UP_N4.V1_DN	47	0.26051565	0.87077993	0.6402439	0.8888363	1	1484 tags=34%, list=30%, signal=48%
GSE27786_NKCELL_VS_ERYTHROBLAST_UP	GSE27786_NKCELL_VS_ERYI	27	0.27478662	0.8707336	0.6377119	0.8887265	1	1094 tags=30%, list=22%, signal=38%
V5CMYB_01	V5CMYB_01	55	0.22405764	0.870491	0.68247426	0.88906384	1	1364 tags=35%, list=27%, signal=47%
GSE17721_CTRL_VS_CPG_0_5H_BMDC_UP	GSE17721_CTRL_VS_CPG_0	30	0.2545165	0.87040246	0.66599596	0.88905025	1	1003 tags=30%, list=20%, signal=33%
GO_CELLULAR_CATABOLIC_PROCESS	GO_CELLULAR_CATABOLIC	261	0.18149722	0.8700742	0.76277375	0.8895502	1	1079 tags=23%, list=22%, signal=28%
GSE13306_RA_VS_UNTREATED_TCONV_DN	GSE13306_RA_VS_UNTREAT	59	0.22534138	0.8700555	0.66852885	0.8893679	1	1739 tags=46%, list=35%, signal=69%
GO_LENS_DEVELOPMENT_IN_CAMERA_TYPE_EYE	GO_LENS_DEVELOPMENT_I	24	0.2784671	0.8700464	0.6115538	0.88916624	1	1632 tags=46%, list=33%, signal=68%
GSE21063_CTRL_VS_ANTI_ILGM_STIM_BCELL_8H_DN	GSE21063_CTRL_VS_ANTI_I	62	0.22331613	0.869897	0.64480877	0.88930243	1	997 tags=21%, list=20%, signal=26%
GSE22886_TH1_VS_TH2_TH2_ACT_UP	GSE22886_TH1_VS_TH2_12I	58	0.22495508	0.86982167	0.6785714	0.8892542	1	669 tags=17%, list=13%, signal=20%
GSE13306_RA_VS_UNTREATED_TREG_DN	GSE13306_RA_VS_UNTREAT	60	0.21742496	0.8697631	0.7148594	0.8891669	1	1002 tags=23%, list=20%, signal=29%
BROWNE_HCMV_INFECTIO_12HR_DN	BROWNE_HCMV_INFECTIOI	44	0.25022554	0.8697025	0.6328872	0.8890814	1	862 tags=25%, list=17%, signal=30%
GSE11961_FOLLICULAR_BCELL_VS_GERMINAL_CENTER	GSE11961_FOLLICULAR_BCI	36	0.25675172	0.8696601	0.60751563	0.88895816	1	872 tags=22%, list=17%, signal=27%
GSE11961_MARGINAL_ZONE_BCELL_VS_MEMORY_BCEL	GSE11961_MARGINAL_ZON	48	0.22345448	0.86943847	0.6909449	0.88923806	1	1080 tags=29%, list=22%, signal=37%
GSE5099_UNSTIM_VS_MCSF_TREATED_MONOCYTE_DA	GSE5099_UNSTIM_VS_MCS	30	0.2659642	0.8694155	0.6376518	0.8890705	1	484 tags=17%, list=10%, signal=18%
RORIE_TARGETS_OF_EWSR1_FLN_FUSION_DN	RORIE_TARGETS_OF_EWSR1	17	0.31723985	0.8693058	0.6235955	0.8890951	1	891 tags=24%, list=18%, signal=29%
GSE3982_EFF_MEMORY_CD4_TCELL_VS_TH2_UP	GSE3982_EFF_MEMORY_CD	61	0.21836741	0.86918706	0.7034358	0.8891333	1	593 tags=18%, list=12%, signal=20%
GO_STEROID_METABOLIC_PROCESS	GO_STEROID_METABOLIC_F	88	0.21715717	0.8690972	0.6755793	0.88912314	1	1095 tags=24%, list=22%, signal=30%
AKT_UP_MTOR_DN.V1_DN	AKT_UP_MTOR_DN.V1_DN	66	0.23428488	0.8690929	0.60680526	0.8889111	1	1261 tags=35%, list=25%, signal=46%
GO_HEPARIN_BINDING	GO_HEPARIN_BINDING	81	0.26955208	0.86902505	0.61689585	0.8888419	1	1182 tags=28%, list=24%, signal=37%
REACTOME_GPCR_DOWNSTREAM_SIGNALING	REACTOME_GPCR_DOWNS	192	0.20352302	0.8687908	0.66083914	0.88914907	1	1046 tags=22%, list=21%, signal=28%
GO_POSITIVE_REGULATION_OF_CYTOSKELETON_ORGAI	GO_POSITIVE_REGULATION	45	0.25150242	0.8685391	0.63984674	0.8895059	1	734 tags=16%, list=15%, signal=18%
V5SOX5_01	V5SOX5_01	94	0.21341476	0.8683364	0.657197	0.8897445	1	1442 tags=35%, list=29%, signal=44%
GSE4748_CTRL_VS_LPS_AND_CYANOBACTERIUM_LPSLI	GSE4748_CTRL_VS_LPS_ANI	64	0.25154164	0.86821103	0.6054159	0.8897937	1	1024 tags=25%, list=20%, signal=31%
KEGG_GNRH_SIGNALING_PATHWAY	KEGG_GNRH_SIGNALING_P	31	0.24368285	0.86806214	0.67768427	0.88990223	1	603 tags=19%, list=12%, signal=22%
GO_ENZYME_ACTIVATOR_ACTIVITY	GO_ENZYME_ACTIVATOR_P	110	0.20833991	0.8680519	0.7061144	0.8897029	1	595 tags=14%, list=12%, signal=15%
REACTOME_INSULIN_RECEPTOR_SIGNALING_CASCAD	REACTOME_INSULIN_RECEF	19	0.2933672	0.8678711	0.629562	0.88989073	1	1567 tags=47%, list=31%, signal=69%
GSE5589_WT_VS_IL10_KO_LPS_STIM_MACROPHAGE_45	GSE5589_WT_VS_IL10_KO_L	41	0.23667272	0.8678413	0.67335767	0.88973457	1	1003 tags=29%, list=20%, signal=36%
GO_RESPONSE_TO_COLD	GO_RESPONSE_TO_COLD	19	0.29083607	0.8676903	0.62018347	0.8898548	1	959 tags=32%, list=19%, signal=33%
GSE41867_DAY15_EFFECTOR_VS_DAY30_MEMORY_CD8	GSE41867_DAY15_EFFECT	57	0.21943313	0.8676205	0.7020484	0.8897754	1	1086 tags=26%, list=22%, signal=33%
GSE4590_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL	GSE4590_PRE_BCELL_VS_VP	22	0.26508892	0.8674768	0.65625	0.8896844	1	1404 tags=45%, list=28%, signal=63%
GO_REGULATION_OF_TRANSCRIPTION_FROM_RNA_PO	GO_REGULATION_OF_TRAN	466	0.18729493	0.8674688	0.69507575	0.88966787	1	994 tags=21%, list=20%, signal=24%
GO_G_PROTEIN_COUPLED_RECEPTOR_ACTIVITY	GO_G_PROTEIN_COUPLED_I	158	0.20532498	0.8674574	0.6888489	0.8894703	1	836 tags=18%, list=17%, signal=21%
GSE12392_CD8A_POS_VS_NEG_SPLEEN_IFNB_KO_DC_D	GSE12392_CD8A_POS_VS_N	50	0.24763829	0.8672667	0.6416185	0.8896629	1	1442 tags=34%, list=29%, signal=47%
GSE9006_HEALTHY_VS_TYPE_1DIABETES_PBMC_4MON	GSE9006_HEALTHY_VS_TYP	38	0.22734563	0.86721593	0.6876155	0.8895508	1	1106 tags=26%, list=22%, signal=34%
KUMAR_PATHOGEN_LOAD_BY_MACROPHAGES	KUMAR_PATHOGEN_LOAD	67	0.21852474	0.8671347	0.7353497	0.8895027	1	1298 tags=34%, list=26%, signal=46%
MORF_CAMK4	MORF_CAMK4	98	0.21233048	0.86709017	0.67937607	0.889385	1	1150 tags=24%, list=23%, signal=31%
V5OCT1_06	V5OCT1_06	96	0.21772733	0.8668388	0.6751361	0.8897154	1	1012 tags=21%, list=20%, signal=26%
MARSON_FOXP3_TARGETS_UP	MARSON_FOXP3_TARGETS	38	0.20638845	0.8667762	0.6008065	0.8896581	1	577 tags=21%, list=12%, signal=24%
GSE5589_IL6_KO_VS_IL10_KO_LPS_STIM_MACROPHAGE	GSE5589_IL6_KO_VS_IL10_K	32	0.24741265	0.8664284	0.66391754	0.89018947	1	812 tags=19%, list=16%, signal=28%
GO_POSITIVE_REGULATION_OF_RECEPTOR								

GSE6674_ANTLJGM_VS_CPG_STIM_BCELL_DN	GSE6674_ANTLJGM_VS_CPI	38	0.24752678	0.8644585	0.64895636	0.889534	1	728 tags=24%, list=15%, signal=28%
KIM_RESPONSE_TO_TSA_AND_DECITABINE	KIM_RESPONSE_TO_TSA_A	71	0.225314	0.8644354	0.64299065	0.8893657	1	1105 tags=27%, list=22%, signal=34%
GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_MAC_UP	GSE360_HIGH_VS_LOW_DO	42	0.23534131	0.8641154	0.64955254	0.8898718	1	1147 tags=29%, list=23%, signal=37%
GO_RESPONSE_TO_XENOBOTIC_STIMULUS	GO_RESPONSE_TO_XENORI	50	0.24897937	0.8639467	0.64954126	0.8900291	1	1550 tags=38%, list=31%, signal=55%
GSE7568_IL4_TGFB_DEXAMETHASONE_VS_IL4_TGFB_TR	GSE7568_IL4_TGFB_DEXAMI	35	0.28031948	0.8639201	0.61829025	0.88987935	1	1294 tags=29%, list=26%, signal=38%
GSE9037_CTRL_VS_LPS_IL1_STIM_IRAK4_KO_BMDM_DN	GSE9037_CTRL_VS_LPS_IL	59	0.24050018	0.8638064	0.66322315	0.8899214	1	1397 tags=34%, list=28%, signal=46%
GSE9650_EFFECTOR_VS_EXHAUSTED_CD8_TCELL_DN	GSE9650_EFFECTOR_VS_EXI	76	0.22017178	0.8636725	0.6826004	0.8899964	1	1132 tags=25%, list=23%, signal=32%
GSE17974_OH_VS_48H_IN_VITRO_ACT_CD4_TCELL_UP	GSE17974_OH_VS_48H_IN_	54	0.27460703	0.8635157	0.60157794	0.8901116	1	952 tags=24%, list=19%, signal=29%
MARSON_BOUND_BY_FOXP3_UNSTIMULATED	MARSON_BOUND_BY_FOXP	244	0.20901923	0.8633267	0.6476378	0.8903302	1	950 tags=19%, list=19%, signal=23%
GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PRC	GSE15330_HSC_VS_MEGAK	58	0.25025887	0.8631797	0.6291262	0.8904489	1	1058 tags=28%, list=21%, signal=35%
GSE24142_ADULT_VS_FETAL_DN2_THYMCYTE_VS_FETAI	GSE24142_ADULT_VS_FETA	82	0.24348624	0.8630199	0.61026615	0.8905982	1	453 tags=13%, list=9%, signal=15%
GSE21546_SAPIA_KO_VS_SAPIA_KO_AND_ELK1_KO_AND	GSE21546_SAPIA_KO_VS_S	74	0.25643486	0.8627131	0.58739835	0.8910796	1	132 tags=8%, list=3%, signal=8%
GO_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_I	GO_INTRINSIC_APOPTOTIC	17	0.2893677	0.8627038	0.6420233	0.890878	1	887 tags=24%, list=18%, signal=29%
GSE40274_CTRL_VS_EOS_TRANSDUCED_ACTIVATED_CI	GSE40274_CTRL_VS_EOS_TF	53	0.2660845	0.8626996	0.6082677	0.890967	1	1057 tags=25%, list=21%, signal=31%
BORLAK_LIVER_CANCER_EGF_UP	BORLAK_LIVER_CANCER_EG	32	0.25231341	0.8626684	0.6570248	0.8905184	1	1228 tags=38%, list=25%, signal=49%
GSE15733_BM_VS_SPLEEN_MEMORY_CD4_TCELL_DN	GSE15733_BM_VS_SPLEEN_	35	0.28028744	0.8625373	0.5972763	0.8905714	1	549 tags=17%, list=11%, signal=19%
GSE15271_CXCR4_POS_VS_NEG_GC_BCELL_DN	GSE15271_CXCR4_POS_VS_	42	0.267091	0.8624016	0.6217822	0.8906506	1	298 tags=12%, list=6%, signal=13%
GO_REGULATION_OF_HYDROLASE_ACTIVITY	GO_REGULATION_OF_HYDF	395	0.19310525	0.8622612	0.68333334	0.8907522	1	958 tags=19%, list=19%, signal=21%
GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THY	GSE24142_EARLY_THYMIC_I	74	0.25654946	0.8621679	0.5964912	0.89073455	1	622 tags=20%, list=12%, signal=23%
GSE17186_BLOOD_VS_CORD_BLOOD_CD21LOW_TRAN	GSE17186_BLOOD_VS_CORI	45	0.23476852	0.86212456	0.6588983	0.89063084	1	494 tags=16%, list=10%, signal=17%
GSE11864_UNTREATED_VS_CSF1_IN_MAC_UP	GSE11864_UNTREATED_VS_	42	0.25844473	0.86209166	0.59607846	0.89045966	1	1005 tags=24%, list=20%, signal=30%
VSGATA_Q6	VSGATA_Q6	77	0.21754624	0.8620142	0.7016275	0.890414	1	1510 tags=34%, list=30%, signal=48%
GSE26030_TH1_VS_TH17_DAY15_POST_POLARIZATION	GSE26030_TH1_VS_TH17_D	61	0.2693207	0.8618917	0.61857706	0.8904724	1	397 tags=13%, list=8%, signal=14%
GSE21380_NON_THF_VS_GERMINAL_CENTER_THF_CD4	GSE21380_NON_THF_VS_GI	63	0.21437309	0.86180633	0.697286	0.89044213	1	1733 tags=46%, list=35%, signal=61%
GO_SIGNALING_RECEPTOR_ACTIVITY	GO_SIGNALING_RECEPT	366	0.20173548	0.8617652	0.6416819	0.89031065	1	895 tags=18%, list=18%, signal=21%
GSE41867_LCMV_ARMSTRONG_VS_CLONE13_DAY15_EI	GSE41867_LCMV_ARMSTR	63	0.20548123	0.8617102	0.74545455	0.8902335	1	786 tags=19%, list=16%, signal=22%
GSE36078_UNTREATED_VS_ADS_INF_IL1R_KO_MOUSE_I	GSE36078_UNTREATED_VS_	53	0.21731284	0.8616543	0.73512477	0.8901184	1	1157 tags=32%, list=23%, signal=41%
GSE22886_NAIVE_BCELL_VS_BM_PLASMA_CELL_UP	GSE22886_NAIVE_BCELL_VS	39	0.28192773	0.86149114	0.6414729	0.8902777	1	489 tags=15%, list=10%, signal=17%
GSE3982_MAST_CELL_VS_MAC_DN	GSE3982_MAST_CELL_VS_M	50	0.23411813	0.8610787	0.6582031	0.89099044	1	381 tags=12%, list=8%, signal=13%
GO_SINGLE_ORGANISM_CATABOLIC_PROCESS	GO_SINGLE_ORGANISM_CA	282	0.19581412	0.8609713	0.6884328	0.89101267	1	1361 tags=30%, list=27%, signal=39%
GSE45365_WT_VS_IFNAR_KO_BCELL_MCMV_INFECTIO	GSE45365_WT_VS_IFNAR_K	34	0.24507309	0.8609167	0.6627907	0.89091283	1	1161 tags=32%, list=23%, signal=42%
GSE45365_HEALTHY_VS_MCMV_INFECTIO_CD8_TCELL	GSE45365_HEALTHY_VS_M	50	0.21914071	0.8608402	0.7235622	0.89086235	1	1183 tags=30%, list=24%, signal=39%
PASINI_SUZ12_TARGETS_D1	PASINI_SUZ12_TARGETS_D	140	0.23376764	0.8608209	0.628	0.89069194	1	1375 tags=35%, list=28%, signal=47%
HELLER_HDAC_TARGETS_UP	HELLER_HDAC_TARGETS_UI	107	0.21668057	0.8607802	0.6647174	0.8905668	1	1473 tags=34%, list=29%, signal=47%
GO_PHOTORECEPTOR_OUTER_SEGMENT	GO_PHOTORECEPTOR_OUT	22	0.26667583	0.8607516	0.6879699	0.8904094	1	1019 tags=32%, list=20%, signal=40%
GSE37416_CTRL_VS_OH_F_TULARAINES_VS_NEUTROPH	GSE37416_CTRL_VS_OH_F_T	49	0.26036622	0.8606334	0.6894531	0.8904586	1	1705 tags=45%, list=34%, signal=67%
GSE17721_CTRL_VS_LPS_8H_BMDM_UP	GSE17721_CTRL_VS_LPS_8H	27	0.26482964	0.8605662	0.6614786	0.89038557	1	622 tags=19%, list=12%, signal=21%
GO_REGULATION_OF_GENERATION_OF_PRECURSOR_M	GO_REGULATION_OF_GENE	27	0.261241	0.8604677	0.6728785	0.8903858	1	262 tags=11%, list=5%, signal=12%
GO_REGULATION_OF_CALCIIUM_MEDIATED_SIGNALIN	GO_REGULATION_OF_CALC	29	0.28637406	0.8604429	0.64772725	0.8902219	1	1264 tags=38%, list=25%, signal=50%
GSE31082_DN_VS_CD8_SP_THYMCYTE_UP	GSE31082_DN_VS_CD8_SP_	49	0.25228295	0.86032766	0.6461233	0.8902473	1	1507 tags=37%, list=30%, signal=52%
GSE27786_NKCELL_VS_NKTCEL_DN	GSE27786_NKCELL_VS_NKT	48	0.23427358	0.8602408	0.6926148	0.89028126	1	1544 tags=40%, list=31%, signal=57%
GSE22025_UNTREATED_VS_PROGESTERONE_TREATED_	GSE22025_UNTREATED_VS_	65	0.23261707	0.8597679	0.6606786	0.8910251	1	942 tags=25%, list=19%, signal=30%
GSE360_CTRL_VS_B_MALAYI_LOW_DOSE_MAC_UP	GSE360_CTRL_VS_B_MALAY	48	0.23203931	0.8597458	0.65735567	0.8908624	1	1024 tags=31%, list=20%, signal=39%
GSE7596_AKT_TRANSD_VS_CTRL_CD4_TCONV_WITH_T	GSE7596_AKT_TRANSD_VS_	39	0.28257955	0.8596404	0.7117647	0.8908789	1	1051 tags=26%, list=21%, signal=32%
GSE360_L_DONOVANI_VS_B_MALAYI_LOW_DOSE_DC_U	GSE360_L_DONOVANI_VS_I	68	0.23038086	0.8595462	0.65148515	0.890867	1	905 tags=21%, list=18%, signal=25%
GO_TRANSCRIPTIONAL_REPRESSOR_ACTIVITY_RNA_PO	GO_TRANSCRIPTIONAL_REP	49	0.23497416	0.8594332	0.6705653	0.8908964	1	861 tags=22%, list=17%, signal=27%
GNF2_MLF1	GNF2_MLF1	29	0.2686627	0.859016	0.6556701	0.8915988	1	306 tags=10%, list=6%, signal=11%
GSE20727_CTRL_VS_H2O2_TREATED_CD4	GSE20727_CTRL_VS_H2O2_	41	0.26862976	0.8589175	0.6276803	0.8916054	1	664 tags=17%, list=13%, signal=20%
GO_REGULATION_OF_NUCLEOCYTOPLASMIC_TRANSP	GO_REGULATION_OF_NUCL	61	0.25026095	0.85884747	0.659919	0.8918857	1	933 tags=25%, list=19%, signal=30%
GSE11961_PLASMA_CELL_DAY7_VS_MEMORY_BCELL_D	GSE11961_PLASMA_CELL_D	73	0.20588404	0.8585829	0.68839103	0.8919042	1	713 tags=19%, list=14%, signal=22%
GO_VACUOLE	GO_VACUOLE	273	0.19605516	0.85825247	0.71428573	0.89241135	1	1035 tags=21%, list=21%, signal=25%
HOE8EKE_LYMPHOID_STEM_CELL_UP	HOE8EKE_LYMPHOID_STEM	27	0.28551	0.8581927	0.6404959	0.89232796	1	738 tags=22%, list=15%, signal=26%
GO_SINGLE_ORGANISM_BIOSYNTHETIC_PROCESS	GO_SINGLE_ORGANISM_BI	342	0.1800472	0.8581653	0.77504396	0.8921713	1	1250 tags=25%, list=25%, signal=32%
GO_PROTEIN_LOCALIZATION_TO_NUCLEUS	GO_PROTEIN_LOCALIZATIO	30	0.237143	0.85804546	0.71374047	0.8922101	1	1546 tags=40%, list=31%, signal=58%
VSGATA1_O2	VSGATA1_O2	74	0.21607113	0.8579758	0.70055455	0.8921369	1	1325 tags=32%, list=26%, signal=43%
GSE41978_ID2_KO_AND_BIM_KO_BIM_KO_KLRG1_IC	GSE41978_ID2_KO_AND_BI	66	0.21476772	0.8578119	0.6805293	0.89226747	1	262 tags=11%, list=5%, signal=13%
GSE12198_LOW_IL2_STIM_N_CELL_VS_HIGH_IL2_STIM	GSE12198_LOW_IL2_STIM_	28	0.24717172	0.8577908	0.6498994	0.892095	1	1067 tags=29%, list=21%, signal=36%
VSHOX13_O1	VSHOX13_O1	20	0.28315088	0.8576597	0.64912283	0.8921571	1	1602 tags=50%, list=32%, signal=73%
LEE_LIVER_CANCER_CIPROFIBRATE_UP	LEE_LIVER_CANCER_CIPROF	35	0.25754526	0.8575839	0.6607495	0.8921094	1	1353 tags=40%, list=27%, signal=54%
REACTOME_GLYCOSAMINOGLYCAN_METABOLISM	REACTOME_GLYCOSAMIN	42	0.2555374	0.85720557	0.62737644	0.8927445	1	837 tags=21%, list=17%, signal=26%
TING_SILENCED_BY_DICER	TING_SILENCED_BY_DICER	22	0.3036937	0.85712904	0.65384614	0.89268845	1	1560 tags=45%, list=31%, signal=66%
GSE17721_PAM3CSK4_VS_CPG_12H_BMDM_UP	GSE17721_PAM3CSK4_VS_C	25	0.25571643	0.85707146	0.66283524	0.89260435	1	513 tags=16%, list=10%, signal=18%
GSE21927_HEALTHY_VS_TUMOROUS_BALBC_MOUSE_M	GSE21927_HEALTHY_VS_TU	61	0.2273955	0.8566087	0.69274807	0.89337754	1	1702 tags=33%, list=24%, signal=49%
GSE360_CTRL_VS_L_DONOVANI_DC_UP	GSE360_CTRL_VS_L_DONO	48	0.26402405	0.85641176	0.6193182	0.8935963	1	1450 tags=38%, list=29%, signal=52%
MULLIGHAN_NPM1_SIGNATURE_VS_I	MULLIGHAN_NPM1_SIGNA	51	0.2345712	0.856366	0.6593186	0.8934785	1	1511 tags=37%, list=30%, signal=53%
GO_REGULATION_OF_STEROID_BIOSYNTHETIC_PRO	GO_REGULATION_OF_STER	21	0.27374086	0.85615504	0.67346936	0.89372456	1	951 tags=29%, list=19%, signal=35%
MODY_HIPPOCAMPUS_POSTNATAL	MODY_HIPPOCAMPUS_PO	19	0.2931568	0.85615224	0.65804064	0.8935134	1	1319 tags=47%, list=26%, signal=64%
GSE14769_UNSTIM_VS_40MIN_LPS_BMDM_UP	GSE14769_UNSTIM_VS_40M	47	0.23284884	0.8561186	0.69174314	0.8933776	1	1156 tags=30%, list=23%, signal=38%
GSE13738_RESTING_VS_BYSTANDER_ACTIVATED_CD4_I	GSE13738_RESTING_VS_B	40	0.2682823	0.855927	0.65957445	0.89357674	1	293 tags=13%, list=6%, signal=13%
GO_EXTRACELLULAR_MATRIX_STRUCTURE_CONSTITU	GO_EXTRACELLULAR_MATR	37	0.31151667	0.8557879	0.5891784	0.8936587	1	1192 tags=41%, list=24%, signal=53%
GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_48H_C	GSE15930_STIM_VS_STIM_	44	0.2846617	0.8556664	0.59561753	0.8937087	1	638 tags=18%, list=13%, signal=21%
GO_POSITIVE_REGULATION_OF_APOPTOTIC_SIGNALIN	GO_POSITIVE_REGULATION	46	0.24012378	0.8554692	0.66796875	0.8939102	1	887 tags=24%, list=18%, signal=29%
VSDBP_Q6	VSDBP_Q6	73	0.2225869	0.8554508	0.71929824	0.8937396	1	1490 tags=33%, list=30%, signal=46%
GSE17721_PAM3CSK4_VS_GADIQUIMOD_2H_BMDM_UP	GSE17721_PAM3CSK4_VS_C	75	0.22247148	0.85538834	0.6666667	0.8936689	1	1367 tags=29%, list=27%, signal=40%
GO_ORGANIC_ACID_BIOSYNTHETIC_PROCESS	GO_ORGANIC_ACID_BIOSY	91	0.20759125	0.85535437	0.69736844	0.8935255	1	1245 tags=29%, list=25%, signal=37%
GO_CARBOXYLIC_ACID_BIOSYNTHETIC_PROCESS	GO_CARBOXYLIC_ACID_BIO	91	0.20759151	0.85535395	0.69736844	0.8933104	1	1245 tags=29%, list=25%, signal=37%
GSE16522_MEMORY_VS_NAIVE_CD8_TCELL_UP	GSE16522_MEMORY_VS_N_	39	0.23508857	0.8553035	0.7148289	0.89320153	1	802 tags=18%, list=16%, signal=21%
VSCI_Z1	VSCI_Z1	60	0.2394786	0.85517466	0.66791046	0.8932715	1	1068 tags=25%, list=21%, signal=31%
GSE26030_UNSTIM_VS_RESTIM_THI17_DAYS_POST_POL	GSE26030_UNSTIM_VS_RES	50	0.23811346	0.8550998	0.6659794	0.89322096	1	469 tags=16%, list=9%, signal=17%
BEGUM_TARGETS_OF_PAX3_FOXP1_FUSION_DN	BEGUM_TARGETS_OF_PAX3	24	0.29278404	0.8550578	0.6336032	0.8930915	1	1402 tags=46%, list=28%, signal=63%
GSE3920_JFNA_VS_JFNG_TREATED_FIBROBLAST_UP	GSE3920_JFNA_VS_JFNG_TR	59	0.25491536	0.854849	0.62396693	0.8933388	1	778 tags=22%, list=16%, signal=26%
GROSS_HYPOXIA_VIA_ELK3_AND_HIF1A_UP	GROSS_HYPOXIA_VIA_ELK3	48	0.2520304	0.8547966	0.64	0.8932329	1	453 tags=15%, list=9%, signal=16%
GSE17721_0_5H_VS_4H_LPS_BMDM_CD	GSE17721_0_5H_VS_4H_LPS	49	0.23737213	0.8544326	0.6792079	0.89382267	1	663 tags=16%, list=13%, signal=19%
GSE37533_UNTREATED_VS_PIGLIZATONE_TREATED_C	GSE37533_UNTREATED_VS_	43	0.2358157	0.85434145	0.6720322	0.8938197	1	1140 tags=28%, list=23%, signal=



GSE26488_WT_VS_HDAC7_KO_DOUBLE_POSITIVE_THYB	GSE26488_WT_VS_HDAC7_KO_COATES_MACROPHAGE_M1_VS_M2_UP	59	0.22259285	0.85123897	0.6968085	0.8953865	1	828 tags=20%, list=17%, signal=24%
GSE17721_PAM3CSK4_VS_GADIQUIMOD_6H_BMDC_UF	GSE17721_PAM3CSK4_VS_GSE1460_DP_VS_CD4_THYB	30	0.26253095	0.85118675	0.6561886	0.8952813	1	1814 tags=53%, list=36%, signal=83%
GSE27786_NKCELL_VS_NEUTROPHIL_UP	GSE27786_NKCELL_VS_NEU	38	0.23453939	0.85106692	0.71212125	0.8953532	1	867 tags=21%, list=17%, signal=25%
GO_PROTEIN_TRIMERIZATION	GO_PROTEIN_TRIMERIZATION	71	0.26726428	0.85104988	0.6060606	0.8951687	1	678 tags=20%, list=14%, signal=22%
HALLMARK_HEME_METABOLISM	HALLMARK_HEME_METABOLISM	33	0.23772448	0.85083294	0.7104762	0.89539415	1	831 tags=18%, list=17%, signal=23%
GSE1387_RESTING_VS_NO_TREATED_CD4_TCELL_UP	GSE1387_RESTING_VS_NO	17	0.29937133	0.85077256	0.6314741	0.89531434	1	1615 tags=47%, list=32%, signal=69%
GO_REGULATION_OF_NITRIC_OXIDE_BIOSYNTHETIC_PR	GO_REGULATION_OF_NITR	38	0.23604733	0.85075796	0.7108434	0.8951312	1	743 tags=18%, list=15%, signal=21%
GO_BROWN_FAT_CELL_DIFFERENTIATION	GO_BROWN_FAT_CELL_DIFF	42	0.24779595	0.85071796	0.6760563	0.8951023	1	921 tags=26%, list=18%, signal=32%
V\$FREC3_Q1	V\$FREC3_Q1	25	0.29372764	0.85070101	0.6447867	0.8948322	1	249 tags=8%, list=5%, signal=8%
GO_DETECTION_OF_STIMULUS	GO_DETECTION_OF_STIMULI	21	0.29957724	0.8505713	0.6390532	0.8948898	1	1518 tags=38%, list=30%, signal=54%
GO_TRANSITION_METAL_ION_TRANSPORT	GO_TRANSITION_METAL_IC	78	0.23860586	0.8504413	0.6331361	0.89494914	1	1498 tags=36%, list=30%, signal=50%
GO_REGULATION_OF_CELL_DEATH	GO_REGULATION_OF_CELL	80	0.20095569	0.85041124	0.7761989	0.8947998	1	928 tags=19%, list=19%, signal=23%
BURTON_ADIPOGENESIS_4	BURTON_ADIPOGENESIS_4	33	0.25658044	0.850374	0.6647619	0.89466363	1	992 tags=27%, list=20%, signal=34%
MIKKELSEN_IPS_ICP_WITH_J	MIKKELSEN_IPS_ICP_WITH_J	464	0.19376096	0.85030854	0.66728973	0.89458086	1	942 tags=20%, list=19%, signal=22%
GSE37301_CD4_TCELL_VS_RAG2_KO_NK_CELL_UP	GSE37301_CD4_TCELL_VS_F	15	0.3074473	0.85029143	0.6871401	0.89440465	1	1615 tags=40%, list=32%, signal=59%
GSE360_CTRL_VS_L_MAJOR_DC_UP	GSE360_CTRL_VS_L_MAJOR	57	0.24434691	0.84997845	0.6822612	0.89487976	1	1658 tags=44%, list=33%, signal=65%
GO_SMOOTH_MUSCLE_CELL_DIFFERENTIATION	GO_SMOOTH_MUSCLE_CEL	54	0.24634415	0.8498682	0.65225935	0.89528865	1	1149 tags=28%, list=23%, signal=36%
GSE5455_HEALTHY_VS_TUMOR_BEARING_MOUSE_SPLE	GSE5455_HEALTHY_VS_TUN	50	0.22571881	0.8493585	0.70731705	0.8957419	1	1574 tags=40%, list=31%, signal=58%
MODULE_9	MODULE_9	18	0.2883833	0.84931666	0.6640316	0.89561623	1	848 tags=28%, list=21%, signal=33%
GO_BRUSH_BORDER	GO_BRUSH_BORDER	45	0.2234939	0.8491242	0.68440366	0.89581555	1	1022 tags=22%, list=20%, signal=28%
GSE22935_UNSTIM_VS_48H_BMOVIS_BCG_STIM_MYD88	GSE22935_UNSTIM_VS_48H	35	0.23030321	0.84905314	0.7116105	0.8957566	1	1500 tags=37%, list=30%, signal=53%
GSE360_CTRL_VS_T_GONDI_DC_UP	GSE360_CTRL_VS_T_GONDI	30	0.24707562	0.8489666	0.68154156	0.8957322	1	1039 tags=33%, list=21%, signal=42%
GO_REGULATION_OF_MYOBLAST_DIFFERENTIATION	GO_REGULATION_OF_MYOI	60	0.24607944	0.8489517	0.65834934	0.89555174	1	1413 tags=35%, list=28%, signal=48%
GSE15659_NAIVE_CD4_TCELL_VS_NONSUPPRESSIVE_TC	GSE15659_NAIVE_CD4_TCEI	58	0.25936505	0.8487444	0.65497077	0.89577305	1	1395 tags=36%, list=28%, signal=45%
HALLMARK_PEROXISOME	HALLMARK_PEROXISOME	17	0.2948706	0.8486871	0.6525735	0.8956924	1	770 tags=24%, list=15%, signal=28%
SIG_PIP3_SIGNALING_IN_B_LYMPHOCYTES	SIG_PIP3_SIGNALING_IN_B	45	0.23302874	0.8486151	0.71128106	0.8956294	1	897 tags=24%, list=18%, signal=30%
GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IFNAB_CD8	GSE15930_NAIVE_VS_48H_I	34	0.25447422	0.8483851	0.6639839	0.89590555	1	1970 tags=62%, list=39%, signal=101%
BRCA1_DN.V1_DN	BRCA1_DN.V1_DN	15	0.21878223	0.8481498	0.61403507	0.8961945	1	628 tags=20%, list=13%, signal=23%
GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRAN	GSE19888_ADENOSINE_A3I	59	0.22347665	0.8479368	0.6917148	0.89643455	1	952 tags=24%, list=19%, signal=29%
GSE16385_ROSILGITAZONE_IL4_VS_IL4_ALONE_STIM_M	GSE16385_ROSILGITAZONE	45	0.23109257	0.8478853	0.6961326	0.8963285	1	832 tags=18%, list=17%, signal=21%
GSE21774_CD62L_POS_CD56_DIM_CD62L_NEG_CD5	GSE21774_CD62L_POS_CD5	47	0.21577542	0.8476845	0.7410208	0.8965473	1	1068 tags=32%, list=21%, signal=40%
GSE19941_UNSTIM_VS_LPS_STIM_IL10_KO_MACROPHA	GSE19941_UNSTIM_VS_LPS	63	0.23155168	0.8475175	0.66732675	0.8966873	1	765 tags=21%, list=15%, signal=24%
GO_REGULATION_OF_BINDING	GO_REGULATION_OF_BIND	66	0.22571674	0.84749085	0.6923077	0.89652663	1	425 tags=12%, list=9%, signal=13%
GO_REGULATION_OF_VASCULAR_ENDOTHELIAL_GROW	GO_REGULATION_OF_VASC	59	0.23976933	0.8473211	0.7128173	0.8966866	1	1387 tags=34%, list=28%, signal=46%
CHR22Q12	CHR22Q12	79	0.22094324	0.84714335	0.67540324	0.89687043	1	1407 tags=33%, list=28%, signal=45%
GSE3982_NEUTROPHIL_VS_TH2_UP	GSE3982_NEUTROPHIL_VS	18	0.3095985	0.84714276	0.6447867	0.89665943	1	351 tags=11%, list=7%, signal=12%
WNT_UP.V1_DN	WNT_UP.V1_DN	25	0.22709234	0.84713423	0.6666667	0.89646333	1	484 tags=16%, list=10%, signal=18%
EJF4E_UP	EJF4E_UP	55	0.22204931	0.8469531	0.72884613	0.8966438	1	462 tags=13%, list=9%, signal=14%
VSMYOD_01	VSMYOD_01	76	0.21431725	0.84675026	0.7163636	0.8968805	1	309 tags=11%, list=6%, signal=11%
GSE17974_IL4_AND_ANTIL1L2_VS_UNTREATED_IL4	GSE17974_IL4_AND_ANTIL1	22	0.25841072	0.84667623	0.70862067	0.896844	1	1011 tags=32%, list=20%, signal=40%
GSE27241_CTRL_VS_DIGOXIN_TREATED_CD4_TCELL_I	GSE27241_CTRL_VS_DIGOXI	60	0.22273605	0.84665537	0.7205882	0.89665306	1	977 tags=24%, list=20%, signal=30%
GSE13484_UNSTIM_VS_YF170_VACCINE_STIM_PBMC_U	GSE13484_UNSTIM_VS_YF1	62	0.2233875	0.8466347	0.71009177	0.896482	1	1214 tags=28%, list=24%, signal=37%
GSE3982_NEUTROPHIL_VS_BASOPHIL_DN	GSE3982_NEUTROPHIL_VS	61	0.27014163	0.8465772	0.6192385	0.89639026	1	1229 tags=28%, list=25%, signal=37%
GSE13887_HEALTHY_VS_LUPUS_RESTING_CD4_TCELL_U	GSE13887_HEALTHY_VS_LU	16	0.29151018	0.84632045	0.6673511	0.89675593	1	1017 tags=31%, list=20%, signal=39%
GO_RNA_POLYMERASE_II_TRANSCRIPTION_FACTOR_AC	GO_RNA_POLYMERASE_II_T	29	0.2742817	0.8461496	0.6816406	0.8968768	1	549 tags=17%, list=11%, signal=19%
V\$TCF4_Q5	V\$TCF4_Q5	39	0.232563823	0.8461206	0.699187	0.8967253	1	1465 tags=38%, list=29%, signal=54%
GSE17721_PAM3CSK4_VS_GADIQUIMOD_4H_BMDC_UF	GSE17721_PAM3CSK4_VS_C	199	0.19285898	0.84606946	0.7537594	0.89661556	1	975 tags=21%, list=20%, signal=25%
GO_INTRACELLULAR_SIGNAL_TRANSDUCTION	GO_INTRACELLULAR_SIGN	85	0.20984712	0.8460333	0.7585551	0.8964869	1	1368 tags=31%, list=27%, signal=41%
GO_REGULATION_OF_REACTIVE_OXYGEN_SPECIES_BIO	GO_REGULATION_OF_REAC	47	0.18228681	0.84590954	0.71814674	0.89654106	1	606 tags=19%, list=12%, signal=21%
GSE26669_CTRL_VS_COSTIM_MLR_CD8_TCELL_U	GSE26669_CTRL_VS_COSTI	447	0.18208985	0.84562707	0.72159094	0.89693594	1	667 tags=15%, list=13%, signal=15%
GSE27786_CD4_TCELL_VS_MONO_MAC_TCELL_17H_UF	GSE27786_CD4_TCELL_VS_A	27	0.2791318	0.8454975	0.6438095	0.89698404	1	659 tags=15%, list=13%, signal=17%
GSE36888_UNTREATED_VS_IL2_TREATED_CD4_TCELL_17H_UF	GSE36888_UNTREATED_VS_I	40	0.25431833	0.8454312	0.6531008	0.8969132	1	291 tags=13%, list=6%, signal=13%
GSE17721_CTRL_VS_PAM3CSK4_24H_BMDC_DN	GSE17721_CTRL_VS_PAM3C	54	0.2062824	0.84539783	0.73947895	0.896779	1	566 tags=15%, list=11%, signal=17%
GO_HOMOPHILIC_CELL_ADHESION_VIA_PLASMA_MEM	GO_HOMOPHILIC_CELL_AD	53	0.26067773	0.8452805	0.6286267	0.8968336	1	1380 tags=32%, list=28%, signal=44%
DOUGLAS_BMI1_TARGETS_UP	DOUGLAS_BMI1_TARGETS_U	48	0.22098067	0.8452133	0.7251908	0.8967708	1	1068 tags=29%, list=21%, signal=37%
GSE20366_CD103_XLRG1_DP_VS_DN_TREG_DN	GSE20366_CD103_XLRG1_D	69	0.23958533	0.8451431	0.61814743	0.8967106	1	1119 tags=26%, list=22%, signal=33%
GSE37301_CD4_TCELL_VS_RAG2_KO_NK_CELL_DN	GSE37301_CD4_TCELL_VS_F	163	0.20671017	0.84506863	0.7092338	0.8966634	1	951 tags=23%, list=19%, signal=28%
V\$ATF3_Q6	V\$ATF3_Q6	48	0.22598892	0.8447629	0.7003891	0.8971021	1	774 tags=19%, list=15%, signal=22%
GSE369_PRE_VS_POST_IL6_INJECTION_SOCS3_KO_LIVEF	GSE369_PRE_VS_POST_IL6_I	40	0.23824002	0.84475857	0.7121771	0.8969898	1	338 tags=13%, list=7%, signal=13%
GNF2_RTN1	GNF2_RTN1	70	0.21829396	0.84429145	0.70363635	0.8976678	1	1395 tags=30%, list=28%, signal=41%
GO_MONOSACCHARIDE_TRANSPORT	GO_MONOSACCHARIDE_TF	28	0.2837058	0.8441955	0.63752663	0.89764607	1	1167 tags=32%, list=23%, signal=42%
LEE_LIVER_CANCER_MYC_DN	LEE_LIVER_CANCER_MYC_D	19	0.28812444	0.8441489	0.68739206	0.8975368	1	970 tags=32%, list=19%, signal=39%
GO_MOVEMENT_OF_CELL_OR_SUBCELLULAR_COMPO	GO_MOVEMENT_OF_CELL_C	33	0.25947395	0.84406716	0.67850465	0.8972724	1	1332 tags=40%, list=27%, signal=54%
GSE17721_0.5H_VS_8H_GARDIQUIMOD_BMDC_DN	GSE17721_0.5H_VS_8H_GA	454	0.18292776	0.8439052	0.7231076	0.8973916	1	919 tags=24%, list=18%, signal=30%
GO_POSITIVE_REGULATION_OF_PROTEIN_MODIFICAT	GO_POSITIVE_REGULATION	342	0.18695963	0.84380645	0.6958955	0.8971754	1	943 tags=19%, list=19%, signal=22%
GSE43863_NAIVE_VS_MEMORY_LY6C_INT_XCRP5OS_C	GSE43863_NAIVE_VS_MEM	23	0.24937484	0.8436449	0.6958333	0.89769083	1	509 tags=14%, list=10%, signal=16%
GO_GOLGI_LUMEN	GO_GOLGI_LUMEN	43	0.2553016	0.8431312	0.66171	0.89809805	1	509 tags=17%, list=10%, signal=19%
GSE5589_WT_VS_IL6_KO_LPS_AND_IL10_STIM_MACRO	GSE5589_WT_VS_IL6_KO_L	52	0.24605142	0.8431462	0.65917605	0.89793277	1	1587 tags=42%, list=32%, signal=61%
GSE37319_WT_VS_RC3H1_KO_CD44_LOW_CD8_TCELL_D	GSE37319_WT_VS_RC3H1_K	36	0.24181826	0.8430097	0.7137255	0.8980151	1	1393 tags=36%, list=28%, signal=50%
GSE30083_SP2_VS_SP3_THYMOCYTE_UP	GSE30083_SP2_VS_SP3_TH	55	0.21818624	0.8430097	0.7137255	0.8980151	1	1452 tags=36%, list=29%, signal=51%
GO_APOPTOTIC_SIGNALING_PATHWAY	GO_APOPTOTIC_SIGNALING	75	0.20912891	0.8429979	0.7357002	0.89782625	1	499 tags=16%, list=10%, signal=18%
CTACTG.MIR-199A	CTACTG.MIR-199A	91	0.21401972	0.842688	0.709434	0.8982779	1	933 tags=20%, list=19%, signal=24%
GSE8621_UNSTIM_VS_LPS_PRIMED_AND_LPS_STIM_MA	GSE8621_UNSTIM_VS_LPS_J	52	0.23666112	0.8425964	0.67582417	0.89833754	1	1793 tags=52%, list=36%, signal=80%
GSE27786_BCELL_VS_NKTELL_DN	GSE27786_BCELL_VS_NKTC	54	0.22141758	0.84243184	0.7285156	0.89838934	1	495 tags=15%, list=10%, signal=16%
GSE2128_CTRL_VS_MIMETOPE_NEGATIVE_SELECTIO	GSE2128_CTRL_VS_MIMETC	63	0.22529887	0.8421714	0.671875	0.89851665	1	1211 tags=30%, list=24%, signal=39%
AKT_UP_MTOR_DN.V1_UP	AKT_UP_MTOR_DN.V1_UP	50	0.21538651	0.8419679	0.72761905	0.89874315	1	258 tags=13%, list=5%, signal=13%
GSE21360_NAIVE_VS_PRIMARY_MEMORY_CD8_TCELL_U	GSE21360_NAIVE_VS_PRIM	70	0.24789837	0.84192675	0.64453125	0.898626	1	554 tags=14%, list=11%, signal=16%
V\$ZIC2_Q1	V\$ZIC2_Q1	69	0.20653194	0.84175324	0.73686404	0.8987838	1	1752 tags=40%, list=35%, signal=61%
GSE22432_MULTIPOTENT_PROGENITOR_VS_CDC_UP	GSE22432_MULTIPOTENT_F	29	0.23587914	0.8414931	0.6706587	0.8991135	1	1290 tags=32%, list=26%, signal=42%
GSE17721_LPS_VS_PAM3CSK4_12H_BMDC_UP	GSE17721_LPS_VS_PAM3CS	59	0.24958	0.84129955	0.6640159	0.8993015	1	1185 tags=29%, list=24%, signal=37%
GSE37301_LYMPHOID_PRIMED_MPP_VS_PRO_BCELL_U	GSE37301_LYMPHOID_PRIN	46	0.24040385	0.84125704	0.71953577	0.89917904	1	266 tags=13%, list=5%, signal=14%
GO_CELLULAR_LIPID_METABOLIC_PROCESS	GO_CELLULAR_LIPID_METAI	265	0.1888351	0.84112263	0.7477954	0.89904803	1	1302 tags=28%, list=26%, signal=37%
EBAUER_MYOGENIC_TARGETS_OF_PAX3_FOXO1_FUSIO	EBAUER_MYOGENIC_TARGE	23	0.28291073	0.84084066	0.6888454	0.89963406	1	1448 tags=28%, list=29%, signal=37%
GO_RESPONSE_TO_UV	GO_RESPONSE_TO_UV	26	0.25396535	0.84083486	0.6898608	0.8994464	1	1222 tags=39%, list=24%, signal=52%
ZHAN_MULTIPLE_MYELOMA_CF_UP	ZHAN_MULTIPLE_MYELOM							



GSE37605_NOD_VS_C57BL6_JRES_GFP_TREG_DN	GSE37605_NOD_VS_C57BL6	42	0.2373817	0.83888113	0.689243	0.89989606	1	397 tags=17%, list=8%, signal=18%
GO_ACYL_COA_METABOLIC_PROCESS	GO_ACYL_COA_METABOLIC	24	0.28586107	0.8387709	0.68207026	0.8990289	1	1444 tags=42%, list=29%, signal=58%
GO_THIOESTER_METABOLIC_PROCESS	GO_THIOESTER_METABOLIC	24	0.28586107	0.8387709	0.68207026	0.89881897	1	1444 tags=42%, list=29%, signal=58%
GO_SERINE_TYPE_ENDOPEPTIDASE_INHIBITOR_ACTIVIT	GO_SERINE_TYPE_ENDOPEP	43	0.24669773	0.83835155	0.71428573	0.8995254	1	649 tags=19%, list=13%, signal=21%
MORF_DDX11	MORF_DDX11	22	0.2588348	0.83814424	0.7218045	0.8997665	1	492 tags=14%, list=10%, signal=15%
GSE37301_PRO_BCELL_VS_CD4_TKCELL_DN	GSE37301_PRO_BCELL_VS_C	57	0.24115252	0.8378228	0.6802974	0.9002286	1	632 tags=16%, list=13%, signal=18%
GSE22886_UNSTIM_VS_IL2_STIM_NKCELL_UP	GSE22886_UNSTIM_VS_IL2_	39	0.24564098	0.8377467	0.70623744	0.90017736	1	1184 tags=28%, list=24%, signal=37%
GSE2770_TGFB_AND_IL4_VS_IL12_TREATED_ACT_CD4_T	GSE2770_TGFB_AND_IL4_VS	38	0.23852337	0.8377455	0.7131783	0.8996916	1	1306 tags=34%, list=26%, signal=46%
GO_NUCLEOPLASM_PART	GO_NUCLEOPLASM_PART	62	0.21421012	0.8377061	0.7315175	0.89984155	1	994 tags=26%, list=20%, signal=32%
GO_CIRCULATORY_SYSTEM_DEVELOPMENT	GO_CIRCULATORY_SYSTEM	267	0.20794843	0.8377013	0.6598131	0.8996404	1	1593 tags=37%, list=32%, signal=51%
GO_CARDIOVASCULAR_SYSTEM_DEVELOPMENT	GO_CARDIOVASCULAR_SYS	267	0.20794834	0.8377006	0.6598131	0.8994323	1	1593 tags=37%, list=32%, signal=51%
GO_MEMORY	GO_MEMORY	29	0.261328	0.83761954	0.6630037	0.899389	1	1790 tags=52%, list=36%, signal=80%
GSE22443_NAIVE_VS_ACT_AND_IL2_TREATED_CD8_TCEI	GSE22443_NAIVE_VS_ACT_	87	0.21646845	0.83761233	0.6765286	0.8991928	1	1060 tags=23%, list=21%, signal=29%
GO_NEGATIVE_REGULATION_OF_MUSCLE_CELL_DIFFER	GO_NEGATIVE_REGULATIO	18	0.29396984	0.8375003	0.6703499	0.89923155	1	770 tags=28%, list=15%, signal=33%
GSE25123_IL4_VS_IL4_AND_ROSILGITAZONE_STIM_MAC	GSE25123_IL4_VS_IL4_AND	38	0.2347874	0.8372316	0.7157258	0.89960134	1	1378 tags=34%, list=28%, signal=47%
GSE17301_ACD3_ACD28_VS_ACD3_ACD28_AND_IFNAs	GSE17301_ACD3_ACD28_V	60	0.25142995	0.8370402	0.643299	0.8998188	1	847 tags=20%, list=17%, signal=24%
LEE_TARGETS_OF_PTCH1_AND_SUFU_UP	LEE_TARGETS_OF_PTCH1_AI	22	0.27416962	0.837038	0.664557	0.89961344	1	822 tags=27%, list=16%, signal=32%
GSE16385_MONOCYTE_VS_IL2_ROSILGITAZONE_TREA	GSE16385_MONOCYTE_VS_	15	0.28827803	0.83701146	0.6873748	0.89945656	1	781 tags=20%, list=16%, signal=24%
GSE16386_IL4_VS_IL4_AND_ROSILGITAZONE_STIM_MAC	GSE16386_IL4_VS_IL4_AND	25	0.2442194	0.8368327	0.71513945	0.89964837	1	453 tags=16%, list=9%, signal=18%
GSE8685_IL2_STARVED_VS_IL2_ACT_IL2_STARVED_CD4	GSE8685_IL2_STARVED_VS_	47	0.23231456	0.83657694	0.7049055	0.899968	1	1017 tags=30%, list=20%, signal=37%
GSE3982_BASOPHIL_VS_TH2_UP	GSE3982_BASOPHIL_VS_TH	53	0.23159006	0.8365557	0.698080234	0.8998108	1	1658 tags=38%, list=33%, signal=56%
GSE40666_NAIVE_VS_EFFECTOR_CD8_TCELL_WITH_IFN	GSE40666_NAIVE_VS_EFFEC	54	0.20839122	0.83624154	0.75342464	0.9002576	1	1448 tags=35%, list=29%, signal=49%
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_20I	GSE43955_TH0_VS_TGFB_IL	56	0.23077759	0.8361633	0.69005847	0.90020484	1	1215 tags=30%, list=24%, signal=40%
GO_MITOCHONDRIAL_ENVELOPE	GO_MITOCHONDRIAL_ENV	106	0.20221826	0.8359548	0.75650555	0.9004295	1	1380 tags=29%, list=28%, signal=40%
GSE14415_ACT_VS_CTRL_NATURAL_TREG_DN	GSE14415_ACT_VS_CTRL_N	40	0.26691952	0.8359226	0.6542751	0.9002825	1	503 tags=15%, list=10%, signal=17%
GSE27291_OH_VS_7D_STIM_GAMMADELTAT_CELL_DN	GSE27291_OH_VS_7D_STIM	52	0.25220022	0.83581215	0.67524755	0.90031624	1	793 tags=23%, list=16%, signal=23%
GO_REGULATION_OF_MUSCLE_CONTRACTION	GO_REGULATION_OF_MUSC	64	0.22278905	0.835749	0.70857143	0.9002327	1	1264 tags=30%, list=25%, signal=39%
GO_ACTIVATION_OF_MAPK_ACTIVITY	GO_ACTIVATION_OF_MAPK	49	0.2584952	0.8352749	0.70731705	0.9010165	1	1383 tags=27%, list=28%, signal=36%
GO_REGULATORY_REGION_NUCLEIC_ACID_BINDING	GO_REGULATORY_REGION_	222	0.1835451	0.83519536	0.8030888	0.9006945	1	1191 tags=24%, list=24%, signal=31%
GSE37301_MULTIPOTENT_PROGENITOR_VS_CD4_TCELL	GSE37301_MULTIPOTENT_F	61	0.24264409	0.83511513	0.647541	0.90091854	1	975 tags=23%, list=20%, signal=28%
GSE21063_CTRL_VS_ANTIGEN_STIM_BCELL_NFATC1_KC	GSE21063_CTRL_VS_ANTIG	70	0.22103599	0.83487064	0.7068273	0.9012332	1	943 tags=20%, list=19%, signal=24%
GSE41867_NAIVE_VS_DAY15_LCMV_EFFECTOR_CD8_T	GSE41867_NAIVE_VS_DAY1	30	0.24646422	0.8347173	0.6949807	0.90134317	1	142 tags=10%, list=3%, signal=10%
NAKAMURA_ADIPOGENESIS_LATE_DN	NAKAMURA_ADIPOGENESI	22	0.3254329	0.83416116	0.64312977	0.90230817	1	1460 tags=45%, list=29%, signal=64%
GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EI	GSE5542_UNTREATED_VS_I	41	0.25484154	0.8340884	0.6876228	0.90226483	1	201 tags=10%, list=4%, signal=10%
GTCCTT.MIR-506	GTCCTT.MIR-506	157	0.1849968	0.83406717	0.79928315	0.902103	1	1385 tags=29%, list=28%, signal=38%
GSE43863_NAIVE_VS_LY6C_LOW_CXCR5NEG_CD4_EFF	GSE43863_NAIVE_VS_LY6C	56	0.22574882	0.83401763	0.6928983	0.90199745	1	350 tags=11%, list=7%, signal=11%
GO_ORGANOPHOSPHATE_BIOSYNTHETIC_PROCESS	GO_ORGANOPHOSPHATE_I	96	0.19940719	0.83395815	0.75812274	0.9019195	1	1393 tags=29%, list=28%, signal=40%
GSE40274_FOXP3_VS_FOXP3_LCMV_TRANSDUCED	GSE40274_FOXP3_VS_FOXP	55	0.23489635	0.83374274	0.69762844	0.9021807	1	1448 tags=36%, list=29%, signal=51%
GSE2770_UNTREATED_VS_ACT_CD4_TCELL_2H_UP	GSE2770_UNTREATED_VS_	55	0.24043518	0.8336324	0.6918367	0.9022096	1	793 tags=22%, list=16%, signal=26%
VSP300_01	VSP300_01	65	0.20867155	0.8335006	0.7280859	0.9022659	1	828 tags=18%, list=17%, signal=22%
GU_PDEF_TARGETS_UP	GU_PDEF_TARGETS_UP	40	0.29451713	0.8333473	0.62689394	0.9023828	1	1381 tags=43%, list=28%, signal=58%
VSCDX2_Q5	VSCDX2_Q5	82	0.2274033	0.8333319	0.70348835	0.9022097	1	1442 tags=29%, list=29%, signal=40%
REACTOME_METABOLISM_OF_CARBOHYDRATES	REACTOME_METABOLISM_	63	0.23231633	0.83327234	0.69320387	0.9021238	1	852 tags=22%, list=17%, signal=26%
ALK_DN.V1.DN	ALK_DN.V1.DN	53	0.2837998	0.8332067	0.6901141	0.9020547	1	1121 tags=23%, list=22%, signal=29%
LEE_AGING_CEREBELLUM_DN	LEE_AGING_CEREBELLUM_D	20	0.2739807	0.83307636	0.67562723	0.90210146	1	822 tags=25%, list=16%, signal=30%
GO_ENDOCRINE_SYSTEM_DEVELOPMENT	GO_ENDOCRINE_SYSTEM_C	52	0.22522567	0.8330102	0.7251356	0.9020281	1	891 tags=21%, list=18%, signal=25%
GSE13738_TCR_VS_BYSTANDER_ACTIVATED_CD4_TCELL	GSE13738_TCR_VS_BYSTAN	53	0.24524674	0.8327889	0.68199235	0.9022908	1	872 tags=21%, list=17%, signal=25%
GO_COLLAGEN_BINDING	GO_COLLAGEN_BINDING	31	0.2981349	0.8326567	0.59386975	0.90237087	1	1760 tags=61%, list=35%, signal=94%
GSE17721_CTRL_VS_POLYIC_2H_BMDC_UP	GSE17721_CTRL_VS_POLYIC	43	0.2832681	0.8326319	0.7655678	0.90221256	1	511 tags=14%, list=10%, signal=15%
GO_REGULATION_OF_KIDNEY_DEVELOPMENT	GO_REGULATION_OF_KIDN	33	0.24245524	0.83252835	0.717757	0.902206	1	770 tags=21%, list=15%, signal=25%
VSY1_01	VSY1_01	49	0.22595043	0.8324379	0.7392996	0.9021909	1	1489 tags=35%, list=30%, signal=49%
GSE18893_CTRL_VS_TNF_TREATED_TCONV_2H_UP	GSE18893_CTRL_VS_TNF_T	33	0.2466607	0.8322758	0.6932271	0.90233463	1	1437 tags=33%, list=29%, signal=46%
GO_POSITIVE_REGULATION_OF_BLOOD_CIRCULATION	GO_POSITIVE_REGULATIO	41	0.24577732	0.8322457	0.70377356	0.9021887	1	836 tags=20%, list=17%, signal=23%
GSE16385_IFNG_TNF_VS_ROSILGITAZONE_STIM_MACR	GSE16385_IFNG_TNF_VS_R	22	0.25900653	0.83190787	0.7284894	0.9026911	1	908 tags=27%, list=18%, signal=33%
GO_REGULATION_OF_ERK1_AND_ERK2_CASCADE	GO_REGULATION_OF_ERK1	98	0.2273554	0.8315059	0.6863118	0.9032264	1	881 tags=20%, list=18%, signal=24%
GO_NEGATIVE_REGULATION_OF_CELL_PROLIFERATION	GO_NEGATIVE_REGULATIO	233	0.18266772	0.8312242	0.73595506	0.90371263	1	1067 tags=23%, list=21%, signal=28%
REACTOME_PHASE1_FUNCTIONALIZATION_OF_COMPC	REACTOME_PHASE1_FUNC	38	0.26264572	0.83102596	0.6880734	0.90393054	1	1550 tags=42%, list=31%, signal=61%
GSE24574_BCL6_HIGH_TH_VS_NAIVE_CD4_TCELL_UP	GSE24574_BCL6_HIGH_TH	68	0.21174489	0.83101976	0.73018867	0.90373397	1	327 tags=10%, list=7%, signal=11%
REACTOME_GASTRIN_CREB_SIGNALING_PATHWAY_VI	REACTOME_GASTRIN_CREB	65	0.22035385	0.8306262	0.7046729	0.9043555	1	629 tags=14%, list=13%, signal=16%
GO_REGULATION_OF_MUSCLE_ORGAN_DEVELOPMENT	GO_REGULATION_OF_MUSC	39	0.2474499	0.8305963	0.7246654	0.9042115	1	882 tags=21%, list=18%, signal=25%
CUI_TCF21_TARGETS_UP	CUI_TCF21_TARGETS_UP	23	0.2893011	0.8305711	0.6561265	0.9040533	1	1331 tags=48%, list=27%, signal=65%
GSE21670_TGFB_VS_IL6_TREATED_CD4_TCELL_DN	GSE21670_TGFB_VS_IL6_T	36	0.23268421	0.8303163	0.7648148	0.90436894	1	1160 tags=31%, list=23%, signal=39%
GO_CALCIUM_ION_IMPORT	GO_CALCIUM_ION_IMPORT	22	0.29181704	0.83018965	0.6416185	0.90441066	1	603 tags=18%, list=12%, signal=21%
GSE360_CTRL_VS_B_MALAYI_LOOSE_DC_DN	GSE360_CTRL_VS_B_MALAY	63	0.22313647	0.83014405	0.7089844	0.90430117	1	455 tags=15%, list=9%, signal=16%
GSE29614_CTRL_VS_TFV_VACCINE_PBMC_2007_UP	GSE29614_CTRL_VS_TFV_F	49	0.23151423	0.83013296	0.71128106	0.90411633	1	1508 tags=33%, list=30%, signal=41%
LANDIS_BREAST_CANCER_PROGRESSION_UP	LANDIS_BREAST_CANCER_F	15	0.3082655	0.8298004	0.698	0.9045775	1	98 tags=13%, list=2%, signal=14%
GSE16385_ROSILGITAZONE_IL4_VS_IFNG_TNF_STIM_M	GSE16385_ROSILGITAZON	79	0.23135424	0.82959045	0.6666667	0.90497607	1	1498 tags=37%, list=30%, signal=52%
GSE27859_DC_VS_CD11C_INT_F480_HI_MACROPHAGE	GSE27859_DC_VS_CD11C_	28	0.2519148	0.82945806	0.7209738	0.9048662	1	660 tags=21%, list=13%, signal=25%
GO_NEGATIVE_REGULATION_OF_LYMPHOCYTE_APOPTI	GO_NEGATIVE_REGULATIO	15	0.30931133	0.8294538	0.6747447	0.90467113	1	1617 tags=40%, list=32%, signal=59%
MORF_THPO	MORF_THPO	46	0.2673516	0.82941234	0.7322695	0.904553	1	1038 tags=24%, list=21%, signal=30%
WIERENGA_STATS_TARGETS_DN	WIERENGA_STATS_TARGE	74	0.21763131	0.829412	0.72357726	0.9043452	1	832 tags=20%, list=17%, signal=24%
RAO_BOUND_BY_SALL4	RAO_BOUND_BY_SALL4	67	0.20824729	0.82921475	0.7605364	0.9045593	1	1572 tags=39%, list=31%, signal=56%
GO_NEGATIVE_REGULATION_OF_CANONICAL_WNT_SIC	GO_NEGATIVE_REGULATIO	47	0.25051388	0.82915986	0.65990904	0.9044645	1	1214 tags=36%, list=24%, signal=47%
GO_OXIDOREDUCTASE_ACTIVITY	GO_OXIDOREDUCTASE_A	207	0.18596472	0.82911736	0.77614677	0.90434575	1	1741 tags=40%, list=35%, signal=59%
MODULE_458	MODULE_458	22	0.27174118	0.82909095	0.71161824	0.9043486	1	993 tags=27%, list=20%, signal=34%
GO_PLASMA_MEMBRANE_RECEPTOR_COMPLEX	GO_PLASMA_MEMBRANE_F	59	0.23567082	0.8289404	0.68311197	0.9042804	1	985 tags=22%, list=20%, signal=27%
GO_REGULATION_OF_T_CELL_DIFFERENTIATION	GO_REGULATION_OF_T_CEL	41	0.2894793	0.8289254	0.6437008	0.9041116	1	828 tags=20%, list=17%, signal=23%
GSE22886_IQA_VS_IJM_MEMORY_BCELL_UP	GSE22886_IQA_VS_IJM_ME	63	0.20580454	0.828919	0.74793386	0.903921	1	1049 tags=22%, list=21%, signal=28%
GO_CYTOKINE_RECEPTOR_BINDING	GO_CYTOKINE_RECEPTOR	98	0.2387691	0.8288776	0.6423077	0.90379936	1	865 tags=18%, list=17%, signal=22%
GSE28783_CTRL_ANTMIR_VS_UNTREATED_ATHEROSC	GSE28783_CTRL_ANTMIR_	59	0.2166609	0.8288164	0.7434457	0.90371585	1	1127 tags=25%, list=23%, signal=32%
GO_RECEPTOR_MEDIATED_ENDOCYTOSIS	GO_RECEPTOR_MEDIATED	80	0.21781561	0.82851434	0.71705425	0.9041515	1	734 tags=19%, list=15%, signal=22%
GSE34515_CD16_NEG_MONOCYTE_VS_DC_UP	GSE34515_CD16_NEG_MO	47	0.26176825	0.82850724	0.6606061	0.9039598	1	1318 tags=34%, list=26%, signal=46%
RNTCANNRNNYATTW_UNKNOW	RNTCANNRNNYATTW_UP	26	0.2677205	0.8278952	0.69754255	0.9050081	1	351 tags=15%, list=7%, signal=16%
GSE23114_PERITONEAL_CAVITY_BIA_BCELL_VS_SPLEEN	GSE23114_PERITONEAL_CA	31	0.24402504	0.82781816	0.7236842	0.9049468	1	545 tags=16%, list=11%, signal=18%
DCA_UP.V1_UP	DCA_UP.V1_UP	66	0.20409265	0.8277591	0.7523452	0.9048652	1	661 tags=15%, list=13%, signal=17%
GO_POSITIVE_REGULATION_OF_PROTEIN_TYROSINE_KI	GO_POSITIVE_REG							

GSE42724_B1_BCELL_VS_PLASMBARLST_DN	GSE42724_B1_BCELL_VS_PL	22	0.26444277	0.82425946	0.7232323	0.9073815	1	1490 tags=41%, list=30%, signal=58%
GSE25088_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_STA	GSE25088_IL4_VS_IL4_AND	45	0.23745252	0.82419556	0.68093383	0.9073012	1	1428 tags=38%, list=29%, signal=52%
GSE17721_CPG_VS_GARDIQUIMOD_4H_BMDC_UP	GSE17721_CPG_VS_GARDIC	49	0.2329167	0.8241267	0.6743738	0.907234	1	454 tags=12%, list=9%, signal=13%
REACTOME_HEPARAN_SULFATE_HEPARIN_HS_GAG_ME	REACTOME_HEPARAN_SUII	21	0.27546674	0.82385796	0.7032755	0.90756834	1	736 tags=19%, list=15%, signal=22%
ROVERS1_GLIOMA_COPY_NUMBER_DN	ROVERS1_GLIOMA_COPY_N	15	0.2757945	0.8237223	0.7259259	0.90762985	1	1309 tags=47%, list=26%, signal=63%
KRAS_LUNG_BREAST_UP_V1_UP	KRAS_LUNG_BREAST_UP_V1	74	0.2865492	0.82371956	0.6851852	0.9074284	1	307 tags=9%, list=6%, signal=10%
V5NERF_Q2	V5NERF_Q2	59	0.2232789	0.8231618	0.7419355	0.9083818	1	1347 tags=37%, list=27%, signal=50%
GO_REGULATION_OF_NEUTROPHIL_MIGRATION	GO_REGULATION_OF_NEUT	20	0.33156455	0.82295144	0.68080807	0.9086014	1	629 tags=20%, list=13%, signal=23%
GSE40274_IRF4_VS_FOXP3_AND_IRF4_TRANSDUCED_AC	GSE40274_IRF4_VS_FOXP3	22	0.29052538	0.8224915	0.664	0.9093219	1	952 tags=23%, list=19%, signal=28%
GO_REGULATION_OF_ACTIN_FILAMENT_BASED_PROCE	GO_REGULATION_OF_ACTI	87	0.20749438	0.8224481	0.746	0.9092085	1	741 tags=17%, list=15%, signal=20%
GSE25677_R848_VS_MPL_AND_R848_STIM_BCELL_DN	GSE25677_R848_VS_MPL_A	40	0.24391937	0.8224326	0.6673347	0.9090366	1	440 tags=15%, list=9%, signal=16%
GNF2_MMP11	GNF2_MMP11	22	0.29192555	0.82238847	0.70184255	0.908916	1	1285 tags=32%, list=26%, signal=43%
GSE8685_IL2_STARVED_VS_IL15_ACT_IL2_STARVED_CD4	GSE8685_IL2_STARVED_VS	35	0.24716578	0.82234055	0.7092338	0.9088048	1	649 tags=14%, list=13%, signal=16%
REACTOME_PEPTIDE_LIGAND_BINDING_RECEPTORS	REACTOME_PEPTIDE_LIGAN	87	0.22982484	0.82233226	0.67518246	0.90861446	1	778 tags=18%, list=16%, signal=21%
GO_ENDOTHELIAL_CELL_DIFFERENTIATION	GO_ENDOTHELIAL_CELL_DII	18	0.2787611	0.82231814	0.7288136	0.90843666	1	1729 tags=56%, list=35%, signal=85%
GO_POSITIVE_REGULATION_OF_WOUND_HEALING	GO_POSITIVE_REGULATION	18	0.27752846	0.82230216	0.7004049	0.90825874	1	1381 tags=39%, list=28%, signal=54%
GO_NUCLEOBASE_CONTAINING_SMALL_MOLECULE_MI	GO_NUCLEOBASE_CONTAIN	122	0.18778507	0.8222722	0.81474483	0.9081071	1	703 tags=15%, list=14%, signal=17%
GSE43955_1H_VS_42H_ACT_CD4_TCELL_WITH_TGFB_IL6	GSE43955_1H_VS_42H_ACT	66	0.20952947	0.82225233	0.7509091	0.9079408	1	1191 tags=29%, list=24%, signal=37%
GSE27859_CD11C_INT_F480_HI_MACROPHAGE_VS_CD1	GSE27859_CD11C_INT_F480	42	0.24819224	0.82196295	0.6754564	0.9083296	1	566 tags=14%, list=11%, signal=16%
GSE17186_NAIVE_VS_CD21HIGH_TRANSNOMINAL_BCELL	GSE17186_NAIVE_VS_CD21	61	0.21844938	0.82187265	0.74088293	0.9082977	1	859 tags=21%, list=17%, signal=25%
GO_GOLGI_MEMBRANE	GO_GOLGI_MEMBRANE	162	0.18913314	0.8215198	0.8136882	0.9088111	1	969 tags=21%, list=19%, signal=25%
GAUSSMANN_MLL_AF4_FUSION_TARGETS_G_UP	GAUSSMANN_MLL_AF4_FU	91	0.20407377	0.8214725	0.7555147	0.90870106	1	348 tags=11%, list=7%, signal=12%
GSE10856_CTRL_VS_TNFRSF6B_IN_MACROPHAGE_UP	GSE10856_CTRL_VS_TNFRS1	43	0.2380497	0.82135254	0.7014028	0.9087315	1	830 tags=23%, list=17%, signal=28%
GSE41176_UNSTIM_VS_ANTIGEN_STIM_TAK1_KO_BCELL	GSE41176_UNSTIM_VS_ANT	41	0.22719167	0.8211459	0.7366548	0.90893054	1	1074 tags=24%, list=21%, signal=31%
GSE23114_PERITONEAL_CAVITY_B1A_BCELL_VS_SPLEEN	GSE23114_PERITONEAL_CA	65	0.21932249	0.82100576	0.70881224	0.9090251	1	678 tags=14%, list=14%, signal=16%
GO_REGULATION_OF_SYNAPTIC_TRANSMISSION_GLU	GO_REGULATION_OF_SYNA	22	0.30053517	0.82093537	0.6738739	0.90895885	1	1790 tags=50%, list=36%, signal=78%
MODULE_138	MODULE_138	35	0.24563976	0.82090396	0.7495256	0.90881896	1	938 tags=29%, list=19%, signal=35%
GO_POSITIVE_REGULATION_OF_MOLECULAR_FUNCIO	GO_POSITIVE_REGULATION	486	0.17808929	0.8207464	0.7814313	0.9089267	1	1298 tags=25%, list=26%, signal=31%
GSE3203_UNTREATED_VS_IFNB_TREATED_IL6_BCELL_DN	GSE3203_UNTREATED_VS_I	70	0.21246721	0.8206633	0.73258007	0.9088884	1	928 tags=24%, list=19%, signal=29%
GSE37534_GW1929_VS_ROSIGLITAZONE_TREATED_CD4	GSE37534_GW1929_VS_RO	28	0.25407025	0.820649	0.69142854	0.9087078	1	1744 tags=46%, list=35%, signal=71%
SENSE_HDAC2_TARGETS_DN	SENSE_HDAC2_TARGETS_I	72	0.2292814	0.82042897	0.6987296	0.9089646	1	1428 tags=40%, list=29%, signal=56%
GO_NEGATIVE_REGULATION_OF_INTRACELLULAR_PRO	GO_NEGATIVE_REGULATIO	22	0.26844808	0.8203368	0.73540854	0.90895444	1	1453 tags=41%, list=29%, signal=57%
GSE46143_CTRL_VS_LMP2A_TRANSDUCED_CD10_POS	GSE46143_CTRL_VS_LMP2A	41	0.26192686	0.8202736	0.67120624	0.90887254	1	700 tags=15%, list=14%, signal=17%
V5CP2_02	V5CP2_02	75	0.20095362	0.82017463	0.7965451	0.9088688	1	922 tags=24%, list=26%, signal=29%
GSE7460_TCONV_VS_TREG_LN_DN	GSE7460_TCONV_VS_TREG	6	0.22767675	0.8201005	0.678	0.9088191	1	534 tags=15%, list=11%, signal=16%
GO_MYELIN_SHEATH	GO_MYELIN_SHEATH	33	0.24086609	0.81991833	0.73308957	0.9090018	1	957 tags=24%, list=19%, signal=30%
GO_METALLOEXOPEPTIDASE_ACTIVITY	GO_METALLOEXOPEPTIDAS	30	0.20777818	0.81988454	0.6917148	0.9088706	1	1409 tags=50%, list=28%, signal=69%
GSE37301_HEMATOPOIETIC_STEM_CELL_VS_RAG2_KO	GSE37301_HEMATOPOIETI	51	0.23628448	0.819845	0.68136275	0.9087498	1	411 tags=12%, list=8%, signal=13%
GSE411_UNSTIM_VS_400MILN_STIM_MACROPHAGE	GSE411_UNSTIM_VS_400MI	34	0.22744308	0.81973326	0.7528958	0.90877444	1	904 tags=24%, list=18%, signal=26%
SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_DN	SPIELMAN_LYMPHOBLAST	90	0.24619444	0.81973165	0.66805845	0.90857077	1	1199 tags=28%, list=24%, signal=39%
TMTCCGGANR_UNKNNOWN	TMTCCGGANR_UNKNNOWN	17	0.28691792	0.8197036	0.71214956	0.90842307	1	977 tags=24%, list=20%, signal=29%
GO_POSITIVE_REGULATION_OF_HYDROLASE_ACTIVITY	GO_POSITIVE_REGULATION	256	0.18721524	0.8192903	0.75791436	0.9090458	1	958 tags=18%, list=19%, signal=22%
GSE15735_CTRL_VS_HDAC_INHIBITOR_TREATED_CD4_T	GSE15735_CTRL_VS_HDAC	64	0.21747858	0.81922996	0.71755275	0.9089638	1	358 tags=11%, list=7%, signal=12%
GSE26488_CTRL_VS_PEPTIDE_INJECTION_HDAC7_DELTA	GSE26488_CTRL_VS_PEPTI	51	0.22474826	0.8191401	0.6996124	0.9089466	1	977 tags=25%, list=20%, signal=31%
GSE40273_GATA1_KO_VS_WT_TREG_DN	GSE40273_GATA1_KO_VS_V	49	0.26607525	0.8190915	0.6673307	0.90883255	1	626 tags=16%, list=13%, signal=18%
GSE24142_ADULT_VS_FETAL_EARLY_THYMIC_PROGENI	GSE24142_ADULT_VS_FETA	67	0.22210439	0.8189504	0.71976966	0.9089139	1	941 tags=21%, list=19%, signal=25%
GO_ACTIN_CYTOSKELETON	GO_ACTIN_CYTOSKELETON	102	0.19102103	0.8187712	0.8169557	0.9090578	1	1414 tags=29%, list=28%, signal=40%
GSE20366_EX_VIVO_CONVERTION_DN	GSE20366_EX_VIVO_CONVERT	52	0.2802563	0.81853706	0.73904383	0.9093348	1	1630 tags=44%, list=33%, signal=65%
GSE37416_OH_VS_48H_F_TULARENSIS_LVS_NEUTROPHI	GSE37416_OH_VS_48H_F_TL	35	0.23707794	0.81850886	0.7352941	0.90918523	1	670 tags=20%, list=13%, signal=20%
GO_ACUTE_INFLAMMATORY_RESPONSE	GO_ACUTE_INFLAMMATORY	31	0.27045596	0.81842875	0.6596558	0.9091369	1	169 tags=10%, list=3%, signal=10%
GSE15330_HSC_VS_PRO_BCELL_DN	GSE15330_HSC_VS_PRO_BC	31	0.24266757	0.81841505	0.73913044	0.9088637	1	1497 tags=35%, list=30%, signal=50%
GENTILE_LV_HIGH_DOSE_DN	GENTILE_LV_HIGH_DOSE_D	81	0.21835415	0.81835747	0.704	0.9088814	1	905 tags=25%, list=18%, signal=30%
GSE37532_TREG_VS_TCONV_CD4_TCELL_FROM_VISCE	GSE37532_TREG_VS_TCONV	60	0.21041453	0.81825817	0.7766018	0.9088848	1	1063 tags=28%, list=21%, signal=36%
MODULE_480	MODULE_480	24	0.25890368	0.81816286	0.7281553	0.9088713	1	775 tags=25%, list=16%, signal=29%
KANG_GIST_WITH_PDGFR_A_UP	KANG_GIST_WITH_PDGFR_A	32	0.2807072	0.8180059	0.6967213	0.9089795	1	1090 tags=28%, list=22%, signal=36%
KIM_WTI_TARGETS_BHR_UP	KIM_WTI_TARGETS_BHR_U	53	0.25285852	0.8178609	0.6784314	0.90906495	1	1087 tags=26%, list=20%, signal=33%
GSE22886_CD8_VS_CD4_NAIVE_TCELL_UP	GSE22886_CD8_VS_CD4_N	35	0.28245163	0.8173686	0.6788618	0.90986437	1	1005 tags=31%, list=20%, signal=39%
BUYTAERT_PHOTODYNAMIC_THERAPY_STRESS_UP	BUYTAERT_PHOTODYNAMI	159	0.2092427	0.8173421	0.6998088	0.90971774	1	905 tags=19%, list=18%, signal=23%
BHATI_G2M_ARREST_BY_ZMETHOXESTRADIOL_DN	BHATI_G2M_ARREST_BY_2	40	0.23142996	0.81713133	0.7550274	0.90957886	1	583 tags=18%, list=12%, signal=20%
GSE17721_POLYIC_VS_GARDIQUIMOD_4H_BMDC_UP	GSE17721_POLYIC_VS_GARI	51	0.22190982	0.81725335	0.7251462	0.9095013	1	812 tags=20%, list=16%, signal=23%
NABA_MATRISOME_ASSOCIATED	NABA_MATRISOME_ASSOC	323	0.20849289	0.8170827	0.686907	0.9096405	1	1115 tags=23%, list=22%, signal=28%
GSE360_DONOVANI_VS_B_MALAYI_HIGH_DOSE_DC_I	GSE360_DONOVANI_VS_I	42	0.24730636	0.8170002	0.67286247	0.9096076	1	286 tags=12%, list=6%, signal=13%
GSE11057_NAIVE_VS_MEMORY_CD4_TCELL_DN	GSE11057_NAIVE_VS_MEMI	64	0.24470793	0.8169601	0.6755102	0.9094915	1	577 tags=17%, list=12%, signal=19%
GSE22033_UNTREATED_VS_MRL24_TREATED_MEF_DN	GSE22033_UNTREATED_VS	53	0.21889764	0.81690747	0.73137254	0.90939325	1	700 tags=21%, list=14%, signal=24%
V5LFA1_Q6	V5LFA1_Q6	60	0.21029979	0.81665117	0.7694974	0.9097087	1	888 tags=18%, list=18%, signal=22%
GSE46242_CTRL_VS_EGR2_DELETED_ATNERGIC_TH1_CD4	GSE46242_CTRL_VS_EGR2_I	47	0.2295139	0.8165417	0.75769234	0.90974	1	1025 tags=26%, list=21%, signal=32%
GSE43955_THO_VS_TGFB_IL6_TH1_ACT_CD4_TCELL_I0	GSE43955_THO_VS_TGFB_I	70	0.20697749	0.8164868	0.7838346	0.9096494	1	929 tags=21%, list=19%, signal=26%
V5OSF2_Q6	V5OSF2_Q6	89	0.1966467	0.81644714	0.81031305	0.90952045	1	975 tags=22%, list=20%, signal=27%
SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_DN	SCHAEFFER_PROSTATE_DEV	25	0.29192084	0.8161581	0.6820809	0.909908	1	1080 tags=32%, list=22%, signal=41%
MORF_PSMF1	MORF_PSMF1	31	0.23200133	0.81597036	0.77011496	0.9100809	1	545 tags=10%, list=11%, signal=11%
GO_NUCLEOSIDE_MONOPHOSPHATE_METABOLIC_PRC	GO_NUCLEOSIDE_MONOPH	32	0.22721983	0.8158461	0.76413256	0.9101363	1	1311 tags=31%, list=26%, signal=42%
CHR10Q11	CHR10Q11	16	0.29062628	0.8157945	0.6872727	0.910044	1	718 tags=31%, list=14%, signal=36%
GSE17721_0.5H_VS_12H_GARDIQUIMOD_BMDC_DN	GSE17721_0.5H_VS_12H_G	46	0.23350853	0.81553125	0.7084942	0.91035485	1	997 tags=28%, list=20%, signal=35%
GSE2585_THYMIC_MACROPHAGE_VS_MTEC_DN	GSE2585_THYMIC_MACROF	61	0.22456037	0.8154817	0.7255278	0.9102412	1	509 tags=13%, list=10%, signal=14%
STK33_SKM_UP	STK33_SKM_UP	94	0.22294001	0.81537586	0.71079427	0.9102622	1	1353 tags=29%, list=27%, signal=39%
GSE17721_12H_VS_24H_LPS_BMDC_UP	GSE17721_12H_VS_24H_L	53	0.22620521	0.8149253	0.68349516	0.9109585	1	1418 tags=34%, list=28%, signal=47%
GSE45881_CXCR6HI_VS_CXCR10_COLONIC_LAMINA_F	GSE45881_CXCR6HI_VS_CX	56	0.23248091	0.81490946	0.66342413	0.91078633	1	626 tags=16%, list=13%, signal=18%
GSE3982_EFF_MEMORY_CD4_TCELL_VS_NKCELL_DN	GSE3982_EFF_MEMORY_CD	61	0.21594279	0.8147321	0.74615383	0.9109552	1	567 tags=15%, list=11%, signal=16%
GSE39152_SPLEEN_CD103_NEG_VS_BRAIN_CD103_POS	GSE39152_SPLEEN_CD103	58	0.21545549	0.8147236	0.7842401	0.9107686	1	853 tags=19%, list=17%, signal=23%
GSE36476_CTRL_VS_TSS2_ACT_40H_MEMORY_CD4_TCE	GSE36476_CTRL_VS_TSS2_A	70	0.22649097	0.8146035	0.69865644	0.9108137	1	1442 tags=33%, list=29%, signal=46%
VARELA_ZMPSTE24_TARGETS_DN	VARELA_ZMPSTE24_TARGE	19	0.27011606	0.8144825	0.70610684	0.91086644	1	1423 tags=26%, list=28%, signal=37%
GSE37301_HEMATOPOIETIC_STEM_CELL_VS_MULTIPOT	GSE37301_HEMATOPOIETI	56	0.21624963	0.81424373	0.761658	0.9114724	1	277 tags=9%, list=6%, signal=9%
GSE24814_STATS_KO_VS_WT_PRC_BCELL_UP	GSE24814_STATS_KO_VS_W	73	0.2111705	0.81421834	0.7523452	0.91099626	1	767 tags=18%, list=15%, signal=21%
GO_ISOPRENOL_BINDING	GO_ISOPRENOL_BINDING	20	0.27095973	0.8138089	0.7334559	0.9116113	1	572 tags=20%, list=11%, signal=22%

GO_REGULATION_OF_RESPONSE_TO_OXIDATIVE_STRES	22	0.25366816	0.8114389	0.7385496	0.9114556	1	1058	tags=27%, list=21%, signal=34%
NAKAYAMA_SOFT_TISSUE_TUMORS_PCA1_DN	57	0.2339449	0.811338	0.7083333	0.9114513	1	1511	tags=46%, list=30%, signal=65%
GO_CELLULAR_RESPONSE_TO_ORGANIC_CYCLIC_COMPOUND	159	0.1946561	0.811314	0.75468165	0.91129553	1	1297	tags=28%, list=26%, signal=36%
GO_NEGATIVE_REGULATION_OF_MAPK_CASCADE	49	0.2311106	0.8111064	0.69455254	0.91150504	1	1240	tags=31%, list=25%, signal=40%
GSE27786_NKCELL_VS_MONO_MAC_UP	39	0.2515826	0.81110644	0.70974153	0.9113071	1	300	tags=13%, list=6%, signal=14%
GSE46606_UNSTIM_VS_CD40L_IL2_IL3_3DAY_STIMULATED	74	0.19632506	0.8110907	0.8303249	0.9111302	1	882	tags=22%, list=18%, signal=26%
GSE36476_CTRL_VS_TSS1_ACT_ZH1_MEMORY_CD4_TCE	58	0.25226822	0.8108928	0.67729086	0.9113006	1	1442	tags=33%, list=29%, signal=46%
GSE18804_SPLEEN_MACROPHAGE_VS_TUMORAL_MAC	53	0.2181577	0.8107456	0.7360595	0.91139823	1	965	tags=23%, list=19%, signal=28%
GSE15330_WT_VS_IKAROS_KO_GNANULOCYTE_MONOCL	41	0.23947796	0.8106872	0.69155204	0.9113158	1	195	tags=10%, list=4%, signal=10%
GO_SPERMATID_DIFFERENTIATION	25	0.25416815	0.8106148	0.7379576	0.9112485	1	957	tags=24%, list=19%, signal=30%
GSE26488_WT_VS_HDAC7_DELTAP_TG_OT2_THYMOCY	71	0.21126492	0.8105129	0.74953616	0.9112412	1	1108	tags=25%, list=22%, signal=32%
NRL_DN_V1_DN	46	0.2152284	0.8102817	0.8217054	0.9114968	1	1122	tags=24%, list=22%, signal=31%
GSE39820_CTRL_VS_TGFBETA3_IL2_IL3A_CD4_TCELL	48	0.20571342	0.81010187	0.7961905	0.91166955	1	728	tags=17%, list=15%, signal=19%
RGAGGAARY_VSPUI_Q6	161	0.20440169	0.8100633	0.730916	0.9115503	1	1323	tags=28%, list=26%, signal=37%
GSE27859_MACROPHAGE_VS_CD11C_INT_F480_INT	39	0.24746023	0.8100302	0.71734893	0.91141343	1	599	tags=18%, list=12%, signal=20%
GSE21360_TERTIARY_VS_QUATERNARY_MEMORY_CD8	54	0.22498946	0.8098951	0.7337165	0.9114661	1	1105	tags=26%, list=22%, signal=33%
GSE40274_CTRL_VS_GATA1_TRANSDUCED_ACTIVATED	43	0.25477397	0.8097604	0.66	0.91151804	1	1299	tags=33%, list=26%, signal=44%
GSE5142_CTRL_VS_HERTERT_TRANSDUCED_CD8_TCELL	51	0.2220656	0.8093326	0.7447217	0.91215485	1	1064	tags=29%, list=21%, signal=37%
PICCALUGA_ANGIOIMMUNOBLASTIC_LYMPHOMA_DN	28	0.28133157	0.8093098	0.66527194	0.9119974	1	1442	tags=39%, list=29%, signal=55%
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_T	252	0.19370851	0.8092325	0.7285429	0.91196364	1	1297	tags=28%, list=26%, signal=36%
MORF_ERCC4	104	0.19113953	0.8092213	0.8429319	0.9117846	1	1150	tags=23%, list=23%, signal=29%
CAATGCMIR-33	29	0.23478527	0.8089273	0.7508834	0.9121828	1	1848	tags=66%, list=37%, signal=103%
GO_NUCLEOSIDE_DIPHOSPHATE_METABOLIC_PROCESS	20	0.26826537	0.8088835	0.75714284	0.912066	1	1559	tags=45%, list=31%, signal=65%
GSE21927_SPLEEN_VS_TUMOR_MONOCYTE_BALB_C	49	0.21050823	0.8088811	0.81640625	0.91186756	1	746	tags=16%, list=15%, signal=19%
SERVITIA_ISLET_HNF1A_TARGETS_UP	86	0.2566228	0.8083596	0.6799205	0.9126992	1	1751	tags=45%, list=35%, signal=69%
GO_GLYCEROLIPID_BIOSYNTHETIC_PROCESS	50	0.23659916	0.8083206	0.7164179	0.9125786	1	1367	tags=32%, list=27%, signal=44%
GSE9960_HEALTHY_VS_SEPSIS_PBMC_DN	38	0.2247612	0.80769133	0.7641682	0.9136003	1	1350	tags=32%, list=27%, signal=43%
GO_REGULATION_OF_CELL_SIZE	51	0.21901152	0.8075235	0.76091474	0.9137456	1	678	tags=20%, list=14%, signal=23%
LINDGREN_BLEADDER_CANCER_CLUSTER_ZB	192	0.2583745	0.80748326	0.63179076	0.9136224	1	1251	tags=31%, list=25%, signal=39%
GSE12198_LOW_IL2_STIM_NK_CELL_VS_HIGH_IL2_STIM	65	0.19954371	0.8078022	0.8237477	0.91419744	1	392	tags=9%, list=8%, signal=10%
GSE3039_B2_VS_B1_BCELL_UP	56	0.21869585	0.80707633	0.74951077	0.9140088	1	1087	tags=25%, list=22%, signal=32%
ENK_UV_RESPONSE_KERATINOCYTE_DN	97	0.19793417	0.8070359	0.7584158	0.9138867	1	898	tags=21%, list=18%, signal=25%
GSE5542_IFNG_VS_IFNA_TREATED_EPITHELIAL_CELLS	62	0.2159611	0.80681396	0.724846	0.9141209	1	442	tags=10%, list=9%, signal=11%
GSE36476_CTRL_VS_TSS1_ACT_ZH1_MEMORY_CD4_TCE	72	0.23658952	0.8067683	0.68623483	0.914009	1	1211	tags=28%, list=24%, signal=36%
GSE37416_CTRL_VS_12H_TULARENSIS_LVS_NEUTROPH	37	0.24938764	0.80676395	0.7191235	0.91381526	1	872	tags=22%, list=17%, signal=26%
GSE46606_UNSTIM_VS_CD40L_IL2_IL5_DAY1_STIMULATED	57	0.21279049	0.80674455	0.7647059	0.9136592	1	727	tags=16%, list=15%, signal=18%
GSE14308_TH2_VS_TH17_DN	33	0.24421845	0.8065843	0.74423075	0.9137877	1	307	tags=15%, list=6%, signal=16%
GAGCCTG_MIR-484	21	0.26372948	0.80651903	0.7360308	0.9137003	1	1189	tags=38%, list=24%, signal=50%
GSE14308_TH1_VS_NATURAL_TREG_DN	40	0.22144525	0.80644166	0.7527076	0.9136438	1	453	tags=13%, list=9%, signal=14%
V5CHOP_01	73	0.21078438	0.80640316	0.7794118	0.913516	1	1841	tags=48%, list=37%, signal=75%
GSE34006_A2AR_KO_VS_A2AR_AGONIST_TREATED_TRE	23	0.24610274	0.8062781	0.77896994	0.9135586	1	1659	tags=48%, list=33%, signal=71%
GSE26559_TCF1_KO_VS_WT_LIN_NEG_CELL_DN	63	0.21435927	0.8059867	0.765625	0.91393197	1	1105	tags=27%, list=22%, signal=34%
GO_CERAMIDE_METABOLIC_PROCESS	56	0.21754905	0.8059435	0.75735295	0.9138179	1	578	tags=19%, list=12%, signal=21%
GO_REGULATION_OF_REPRODUCTION_PROCESS	54	0.21042213	0.8056847	0.78731346	0.9141614	1	995	tags=24%, list=20%, signal=30%
GSE21360_PRIMARY_VS_QUATERNARY_MEMORY_CD8	51	0.28146115	0.80561054	0.6808943	0.91406405	1	1137	tags=35%, list=23%, signal=46%
GO_MYELOID_LEUKOCYTE_DIFFERENTIATION	33	0.25452355	0.8054897	0.69455254	0.9141039	1	1158	tags=27%, list=23%, signal=35%
GSE22886_DAY1_VS_DAY7_MONOCYTE_IN_CULTURE_D	31	0.23226888	0.8053757	0.7609108	0.9141304	1	1318	tags=39%, list=26%, signal=52%
GO_DRUG_BINDING	37	0.22485267	0.80522513	0.77246654	0.91421086	1	830	tags=22%, list=17%, signal=26%
ALCALAY_AML_BY_NPM1_LOCALIZATION_UP	68	0.21022353	0.8050281	0.75551105	0.9143868	1	1049	tags=26%, list=21%, signal=33%
GSE18281_CORTICAL_VS_MEDULLARY_THYMOCYTE_DNGSE18281	59	0.2077036	0.8048875	0.76937616	0.9144515	1	1238	tags=29%, list=25%, signal=38%
GSE37563_WT_VS_CTLA4_KO_CD4_TCELL_DN_POST_IMG	40	0.23983537	0.804641	0.74373794	0.91471905	1	1410	tags=35%, list=28%, signal=48%
GSE2770_UNTREATED_VS_IL4_TREATED_ACT_CD4_TCEL	39	0.21774207	0.80464786	0.7928437	0.91486794	1	1473	tags=36%, list=29%, signal=50%
GSE30971_WBP7_HET_VS_KO_MACROPHAGE_2H_LPS_S	59	0.23474404	0.804348	0.68803923	0.9149215	1	100	tags=7%, list=2%, signal=7%
GSE27786_CD4_VS_CD8_TCELL_UP	53	0.21235667	0.8042839	0.7878788	0.9148498	1	1582	tags=45%, list=32%, signal=66%
GSE17721_PAM3CSK4_VS_GADIQUIMOD_12H_BMDC_UP	54	0.2228656	0.80427825	0.76865673	0.9146606	1	1342	tags=38%, list=27%, signal=52%
V5FREAC4_01	54	0.2358289	0.8042632	0.7060998	0.91449463	1	1189	tags=28%, list=24%, signal=36%
MEISSNER_NPC_HCP_WITH_H3K4ME2	190	0.17874514	0.8041327	0.8105263	0.9145626	1	1286	tags=25%, list=26%, signal=32%
GSE17974_OH_VS_O5H_IN_VITRO_ACT_CD4_TCELL_DN	44	0.24823496	0.8041223	0.7214429	0.91437745	1	905	tags=27%, list=18%, signal=33%
GO_PROXIMAL_DISTAL_PATTERN_FORMATION	20	0.28581163	0.8040256	0.73512477	0.91436577	1	975	tags=20%, list=20%, signal=25%
ACEVEDO_LIVER_CANCER_WITH_H3K27ME3_DN	74	0.21908644	0.8039393	0.67898934	0.9142548	1	545	tags=11%, list=11%, signal=12%
ELVIDGE_HIF1A_AND_HIF2A_TARGETS_DN	58	0.23611349	0.80388874	0.70240259	0.914231	1	571	tags=19%, list=11%, signal=21%
GSE26928_NAIVE_VS_CXCR5_POS_CD4_TCELL_DN	40	0.2255794	0.80366915	0.7418655	0.91445714	1	917	tags=25%, list=18%, signal=30%
HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_Z_UP	31	0.25273943	0.8034782	0.701581	0.91463447	1	612	tags=19%, list=13%, signal=20%
GSE27859_MACROPHAGE_VS_DC_DN	46	0.2148551	0.803449	0.78283715	0.9144864	1	477	tags=11%, list=10%, signal=12%
GO_ENDODERM_DEVELOPMENT	29	0.27644446	0.80318666	0.66	0.9148062	1	1699	tags=41%, list=34%, signal=62%
GO_MODULATION_OF_SYNAPTIC_TRANSMISSION	94	0.20885465	0.80318344	0.7525773	0.9146123	1	1665	tags=36%, list=33%, signal=53%
GSE21927_SPLEEN_VS_C26GM_TUMOR_MONOCYTE_B	52	0.20717205	0.80313617	0.81422925	0.91449887	1	897	tags=19%, list=18%, signal=23%
GO_REGULATION_OF_STEROID_METABOLIC_PROCESS	30	0.2389028	0.8025854	0.7575252	0.91538143	1	951	tags=23%, list=19%, signal=29%
GO_ACTIVATION_OF_PROTEIN_KINASE_ACTIVITY	94	0.19097666	0.80238676	0.7953668	0.91558	1	1407	tags=29%, list=28%, signal=39%
GO_SENSORIAL_ORGAN_MORPHOGENESIS	100	0.20594889	0.8021472	0.76007324	0.9158598	1	1354	tags=31%, list=27%, signal=42%
GSE36888_STAT5_AB_KNOCIN_VS_WT_TCELL_IL2_TRE	57	0.23314968	0.80213994	0.74380165	0.91567165	1	1089	tags=26%, list=22%, signal=33%
GSE3039_ALPHABETA_CD8_TCELL_VS_B1_BCELL_UP	37	0.2698817	0.80193114	0.66415095	0.9158886	1	660	tags=22%, list=13%, signal=25%
GSE3982_EFF_MEMORY_VS_CENT_MEMORY_CD4_TCELL	60	0.22228267	0.8017779	0.72210256	0.91598827	1	1214	tags=27%, list=24%, signal=35%
DAVICIONI_PAX_FOXO1_SIGNATURE_IN_ARMIS_UP	27	0.2450892	0.80145305	0.7386364	0.9164277	1	47	tags=7%, list=1%, signal=7%
GSE17580_UNINFECTED_VS_MANSONIIN_INF_TREG_DN	53	0.19626086	0.8013407	0.75373137	0.91644484	1	715	tags=7%, list=14%, signal=20%
GSE17721_CPG_VS_GARDIQUIMOD_8H_BMDC_UP	48	0.21712723	0.80115414	0.7318436	0.9166201	1	638	tags=17%, list=13%, signal=19%
GO_MUSCLE_STRUCTURE_DEVELOPMENT	145	0.19292149	0.80090415	0.7817164	0.9169299	1	1145	tags=28%, list=23%, signal=36%
GSE29615_CTRL_VS_LAVI_VU_VACCINE_PBMC_DN	45	0.2184535	0.8008074	0.7628676	0.9169156	1	572	tags=13%, list=11%, signal=15%
CHICAS_RB1_TARGETS_CONFLUENT	268	0.21264371	0.8007336	0.6745098	0.91685337	1	948	tags=23%, list=19%, signal=27%
GSE17721_CTRL_VS_POLYIC_ZH_BMDC_DN	49	0.24082838	0.8003442	0.8071834	0.9174121	1	1219	tags=33%, list=24%, signal=43%
GSE33162_HDAC3_KO_VS_HDAC3_KO_MACROPHAGE	47	0.25030854	0.8001517	0.69407266	0.917587	1	304	tags=11%, list=6%, signal=11%
GO_CYSSTEINE_TYPE_ENDOPETIDASE_ACTIVITY	19	0.26197013	0.79992723	0.72124755	0.9178333	1	874	tags=32%, list=17%, signal=38%
GO_COFACTOR_METABOLIC_PROCESS	81	0.20338647	0.7997829	0.7771639	0.9179016	1	496	tags=15%, list=10%, signal=16%
GSE3565_DUSP1_VS_WT_SF_VSEFC_Q6	59	0.24433863	0.79967904	0.6873748	0.9179097	1	1032	tags=24%, list=21%, signal=30%
MORF_RAGE	33	0.2025127	0.79955393	0.8086304	0.9177382	1	492	tags=14%, list=10%, signal=16%
MORF_FANGC	21	0.24314727	0.7991609	0.7714286	0.9182939	1	1440	tags=33%, list=29%, signal=47%
GO_MUSCLE_CELL_DEVELOPMENT	47	0.2255512	0.7991166	0.78625953	0.9181862	1	1113	tags=28%, list=22%, signal=35%
GSE25088_CTRL_VS_IL4_AND_ROSILGATAZONE_STIM	32	0.23564252	0.7990575	0.7515275	0.9181019	1	987	tags=25%, list=20%, signal=31%
GO_PROTEIN_DIMERIZATION_ACTIVITY	354	0.17220937	0.7986365	0.83082706	0.9186964	1	1207	tags=22%, list=24%, signal=27%
GSE10273_LOW_IL7_VS_HIGH_IL7_AND_IRF4_B	36	0.24222001	0.7985383	0.76680187	0.9186831	1	486	tags=17%, list=10%, signal=18%
V5CDP_02	39	0.23227337	0.79					

REACTOME_SEMAPHORIN_INTERACTIONS	REACTOME_SEMAPHORIN_I	16	0.2771612	0.9790296	0.7103718	0.91820157	1	579 tags=19%, list=12%, signal=21%
TOMLINS_PROSTATE_CANCER_DN	TOMLINS_PROSTATE_CANC	20	0.2952803	0.7969125	0.6924565	0.9182287	1	1193 tags=40%, list=24%, signal=53%
GSE5542_IFNA_VS_IFNA_AND_IFNG_TREATED_EPITHELII	GSE5542_IFNA_VS_IFNA_AN	53	0.2190788	0.7968815	0.7554672	0.9180891	1	1077 tags=26%, list=22%, signal=32%
GSE28737_FOLLICULAR_VS_MARGINAL_ZONE_BCELL_BI	GSE28737_FOLLICULAR_VS	33	0.2390304	0.7964984	0.7367347	0.91859365	1	415 tags=12%, list=8%, signal=13%
WINTER_HYPOXIA_METAGENE	WINTER_HYPOXIA_METAGE	95	0.2219947	0.79603475	0.72962224	0.91925967	1	202 tags=9%, list=4%, signal=10%
EPPERT_CE_HSC_LSC	EPPERT_CE_HSC_LSC	21	0.2798766	0.7956975	0.71340203	0.91966867	1	918 tags=33%, list=18%, signal=41%
MODULE_367	MODULE_367	18	0.2277626	0.79540193	0.7221172	0.92007124	1	628 tags=22%, list=13%, signal=25%
GO_ENDOSOME	GO_ENDOSOME	180	0.18404186	0.7951541	0.81154456	0.9203259	1	1020 tags=20%, list=20%, signal=24%
GO_POSITIVE_REGULATION_OF_FAT_CELL_DIFFERENTIA	GO_POSITIVE_REGULATION	24	0.26519805	0.79507774	0.71769387	0.9202674	1	919 tags=21%, list=18%, signal=25%
ROSS_AML_WITH_PML_RARA_FUSION	ROSS_AML_WITH_PML_RAR	28	0.24097694	0.79505706	0.75506073	0.920112	1	1049 tags=32%, list=21%, signal=40%
GSE17721_LPS_VS_PAM3CSK4_4H_BMDC_DN	GSE17721_LPS_VS_PAM3CS	28	0.2336681	0.79500276	0.77671754	0.9200155	1	622 tags=18%, list=12%, signal=20%
GO_REGULATION_OF_HEART_GROWTH	GO_REGULATION_OF_HEAR	18	0.2717362	0.7949979	0.7368421	0.9198258	1	386 tags=11%, list=8%, signal=12%
GO_PHOSPHOLIPID_BIOSYNTHETIC_PROCESS	GO_PHOSPHOLIPID_BIOSYP	47	0.2185601	0.7948983	0.79927665	0.9198161	1	1367 tags=32%, list=27%, signal=44%
GSE29618_PRE_VS_DAV7_FLU_VACCINE_MDC_UP	GSE29618_PRE_VS_DAV7_FI	81	0.2046804	0.79476774	0.7936508	0.9198671	1	1214 tags=28%, list=24%, signal=37%
VSPA4_02	VSPA4_02	91	0.20092887	0.7946703	0.8208955	0.91985697	1	1585 tags=37%, list=32%, signal=54%
LEIN_CHOROID_PLEXUS_MARKERS	LEIN_CHOROID_PLEXUS_MJ	52	0.22277626	0.7946162	0.7520492	0.9197628	1	1380 tags=40%, list=28%, signal=55%
GSE27092_WT_VS_HDAC7_PHOSPHO_DEFICIENT_CD8_I	GSE27092_WT_VS_HDAC7_I	47	0.21517776	0.7945554	0.7913534	0.9196766	1	657 tags=17%, list=13%, signal=19%
GSE411_UNSTIM_VS_400MIN_IL6_STIM_MACROPHAGE	GSE411_UNSTIM_VS_400MI	45	0.19914132	0.79446894	0.85555553	0.91963774	1	1200 tags=27%, list=24%, signal=35%
GSE9878_CTRL_VS_EBF_TRANSDUCEDEX_PAX5_KO_PRO_B	GSE9878_CTRL_VS_EBF_TRA	56	0.21437342	0.79424644	0.77530366	0.91987026	1	1650 tags=38%, list=33%, signal=55%
POMEROY_MEDULLOBLASTOMA_DESMOPLASIC_VS_CL	POMEROY_MEDULLOBLAST	24	0.27175182	0.79415655	0.71929824	0.9198436	1	1841 tags=54%, list=47%, signal=85%
VSRORA1_01	VSRORA1_01	67	0.2090307	0.7940812	0.87593936	0.9197988	1	1328 tags=33%, list=27%, signal=44%
VSHNF4_01	VSHNF4_01	66	0.2105862	0.7939364	0.7878788	0.9198812	1	2026 tags=56%, list=41%, signal=93%
GO_ORGANOPHOSPHATE_ESTER_TRANSPORT	GO_ORGANOPHOSPHATE_I	22	0.2490394	0.7939305	0.78424656	0.91969395	1	727 tags=18%, list=15%, signal=21%
GO_REGULATION_OF_EXTENT_OF_CELL_GROWTH	GO_REGULATION_OF_EXTEI	33	0.24597985	0.79387826	0.72839504	0.91959023	1	678 tags=21%, list=14%, signal=24%
GSE6092_CTRL_VS_BORRELLIA_BIRGOFFERI_INF_ENDOTI	GSE6092_CTRL_VS_BORRELI	28	0.24652134	0.7938458	0.7387914	0.9194477	1	255 tags=7%, list=5%, signal=11%
CAGCACT_MIR_512_3P	CAGCACT_MIR_512_3P	25	0.24381027	0.79372185	0.76679105	0.9194749	1	1363 tags=40%, list=27%, signal=55%
GSE11961_MARGINAL_ZONE_BCELL_VS_MEMORY_BCEL	GSE11961_MARGINAL_ZONE	55	0.22010352	0.79371876	0.7640232	0.91928244	1	1451 tags=33%, list=29%, signal=46%
GSE33425_CD161_INT_VS_NEG_CD8_TCELL_UP	GSE33425_CD161_INT_VS_I	41	0.2525566	0.7935075	0.7037773	0.9194762	1	663 tags=20%, list=13%, signal=22%
GSE6269_FLU_VS_E_COLL_II_PBM_CDN	GSE6269_FLU_VS_E_COLL_II	47	0.21077675	0.79347754	0.68880735	0.9193413	1	159 tags=6%, list=3%, signal=7%
GO_CLATHRIN_COATED_VESICLE	GO_CLATHRIN_COATED_VES	34	0.23536478	0.793182	0.7771429	0.91968644	1	865 tags=21%, list=17%, signal=25%
GSE46242_TH1_VS_ANERGI_TH1_CD4_TCELL_UP	GSE46242_TH1_VS_ANERGI	35	0.26166871	0.7931013	0.8034682	0.9196387	1	793 tags=17%, list=16%, signal=20%
PIONTEK_PKD1_TARGETS_U	PIONTEK_PKD1_TARGETS_U	21	0.2541305	0.79292506	0.7695167	0.9197621	1	623 tags=19%, list=12%, signal=22%
BIALOCK_ALZHEIMERS_DISEASE_UP	BIALOCK_ALZHEIMERS_DIS	393	0.1799641	0.79288065	0.81128407	0.91964895	1	1192 tags=25%, list=24%, signal=30%
MCGARVEY_SILENCED_BY_METHYLATION_IN_COLON_C	MCGARVEY_SILENCED_BY_I	29	0.2473918	0.79274327	0.771836	0.9197185	1	1584 tags=34%, list=32%, signal=50%
GSE17974_CTRL_VS_ACT_IL4_AND_ANTIL12_6H_CD4_I	GSE17974_CTRL_VS_ACT_IL	66	0.2131898	0.79264367	0.76559544	0.91970253	1	1513 tags=36%, list=30%, signal=51%
CCAWNNAAAG_VSSRF_Q4	CCAWNNAAAG_VSSRF_Q4	27	0.2486288	0.79253364	0.7356322	0.91969895	1	1403 tags=33%, list=28%, signal=46%
GSE42088_2H_VS_24H_LEISHMANIA_INF_CD_DP	GSE42088_2H_VS_24H_LEIS	43	0.26435345	0.79233893	0.7000449	0.9197656	1	1306 tags=30%, list=26%, signal=41%
GSE17721_PAM3CSK4_VS_CPG_8H_BMDC_UP	GSE17721_PAM3CSK4_VS_C	42	0.2278656	0.7923509	0.76031435	0.9196413	1	1412 tags=36%, list=28%, signal=49%
GSE6269_STAPH_AUREUS_VS_STREP_PNEUMON_INF_PBI	GSE6269_STAPH_AUREUS_U	39	0.22095454	0.7922921	0.8007449	0.9195638	1	975 tags=23%, list=20%, signal=28%
GSE14769_UNSTIM_VS_240MIN_IL6_PBM_U	GSE14769_UNSTIM_VS_240	22	0.25930387	0.7920777	0.7423935	0.9197614	1	764 tags=27%, list=15%, signal=32%
GO_POSITIVE_REGULATION_OF_ADAPTIVE_IMMUNE_RE	GO_POSITIVE_REGULATION	28	0.30847692	0.79206014	0.6737864	0.91959953	1	17 tags=7%, list=0%, signal=7%
LABBE_TARGETS_OF_TGFB1_AND_WNT3A_DN	LABBE_TARGETS_OF_TGFB1	44	0.23156717	0.7920386	0.7442748	0.9194427	1	739 tags=18%, list=15%, signal=21%
VSE4F1_Q6	VSE4F1_Q6	72	0.20734443	0.7919733	0.7647059	0.9193701	1	1323 tags=28%, list=26%, signal=37%
CHIANG_LIVER_CANCER_SUBCLASS_CN18N1_DN	CHIANG_LIVER_CANCER_SL	105	0.22646406	0.7918963	0.72908366	0.9193107	1	1192 tags=29%, list=24%, signal=30%
GO_REGULATION_OF_EPITHELIAL_CELL_PROLIFERATION	GO_REGULATION_OF_EPITH	132	0.20235261	0.7917201	0.7269303	0.9194338	1	919 tags=20%, list=18%, signal=24%
GSE37534_GW1929_VS_PIQILLIZANTIN_TREATED_CD4_I	GSE37534_GW1929_VS_PIO	51	0.21706349	0.7915085	0.78642714	0.9196293	1	1268 tags=31%, list=25%, signal=42%
GSE22342_CD11C_HIGH_VS_LOW_DECIDUAL_MACROPI	GSE22342_CD11C_HIGH_VS	50	0.2212913	0.79132724	0.79883945	0.9197727	1	1296 tags=30%, list=26%, signal=40%
GSE27786_LIN_NEG_VS_NEUTROPHIL_UP	GSE27786_LIN_NEG_VS_NEI	35	0.2221767	0.7911462	0.778865	0.919929	1	333 tags=11%, list=7%, signal=12%
GSE20715_OH_VS_48H_OZONE_LUNG_UP	GSE20715_OH_VS_48H_OZC	61	0.24282344	0.79103357	0.7070707	0.919946	1	1473 tags=34%, list=29%, signal=48%
ESC_J1_UP_LATEV1_DN	ESC_J1_UP_LATEV1_DN	59	0.2106992	0.7908412	0.79082566	0.9200941	1	1245 tags=34%, list=25%, signal=45%
GSE20715_WT_VS_TLR4_KO_LUNG_UP	GSE20715_WT_VS_TLR4_KO	61	0.24162489	0.7908013	0.70520234	0.9199761	1	1581 tags=39%, list=32%, signal=57%
GSE7831_UNSTIM_VS_INFLUENZA_STIM_PDC1H_DN	GSE7831_UNSTIM_VS_INFLI	61	0.20181985	0.790681	0.8144531	0.9200055	1	750 tags=18%, list=15%, signal=21%
VSCDC5_01	VSCDC5_01	91	0.19569573	0.79066724	0.83206105	0.919832	1	283 tags=8%, list=6%, signal=8%
REACTOME_POST_TRANSLATIONAL_PROTEIN_MODIFIC	REACTOME_POST_TRANSLSI	38	0.24511957	0.79051685	0.7715356	0.91992223	1	507 tags=18%, list=10%, signal=20%
BIOCARTA_MAPK_PATHWAY	BIOCARTA_MAPK_PATHWA	16	0.26429287	0.79042065	0.77327937	0.9199069	1	1363 tags=31%, list=27%, signal=43%
GO_CELL_JUNCTION_ORGANIZATION	GO_CELL_JUNCTION_ORGA	58	0.22008009	0.79007775	0.7548638	0.9203773	1	589 tags=14%, list=12%, signal=15%
GSE34156_TLR1_TLR2_LIGAND_VS_NOD2_AND_TLR1_TL	GSE34156_TLR1_TLR2_LIGAI	49	0.20833182	0.78996664	0.81142855	0.9203827	1	886 tags=18%, list=18%, signal=22%
VSTGF1_01	VSTGF1_01	70	0.20180225	0.7899137	0.8067376	0.9202781	1	736 tags=16%, list=15%, signal=18%
GSE5679_RARA_AGNONIST_AM580_VS_AM580_AND_RO	GSE5679_RARA_AGNONIST_I	46	0.20060909	0.7898264	0.8394834	0.9202349	1	1621 tags=39%, list=32%, signal=57%
GO_INTERCALATED_DISC	GO_INTERCALATED_DISC	16	0.28012243	0.78957295	0.7553816	0.92050374	1	650 tags=25%, list=13%, signal=29%
GO_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_RECEI	GO_VASCULAR_ENDOTHELI	19	0.27698982	0.7894303	0.7240664	0.9205752	1	314 tags=16%, list=6%, signal=17%
SCHRAETS_MLL_TARGETS_DN	SCHRAETS_MLL_TARGETS_I	19	0.2886425	0.7893758	0.70428014	0.9204827	1	1759 tags=47%, list=35%, signal=73%
GSE5542_IFNG_VS_IFNA_AND_IFNG_TREATED_EPITHELII	GSE5542_IFNG_VS_IFNA_AN	33	0.22762738	0.7893343	0.7769376	0.9203596	1	772 tags=18%, list=15%, signal=21%
GSE37532_TREG_VS_TCONV_CD4_TCELL_FROM_LIN_DN	GSE37532_TREG_VS_TCONV	38	0.27120903	0.7891977	0.6918367	0.92043173	1	603 tags=18%, list=12%, signal=21%
GO_POSITIVE_REGULATION_OF_CYTOKINE_SECRETION	GO_POSITIVE_REGULATION	42	0.26273575	0.7891965	0.6851852	0.9202367	1	1190 tags=24%, list=24%, signal=31%
GSE31082_DN_VS_CD4_SP_THYMOCYTE_DN	GSE31082_DN_VS_CD4_SP	39	0.22651745	0.78910244	0.7705882	0.9202125	1	646 tags=21%, list=13%, signal=23%
GSE43863_DAYE_EFF_VS_DAY150_MEM_TH1_CD4_TCELL	GSE43863_DAYE_EFF_VS_D	64	0.22659502	0.78907263	0.67813766	0.9200735	1	509 tags=13%, list=10%, signal=14%
LIU_TARGETS_OF_VMYB_VS_CMYB_DN	LIU_TARGETS_OF_VMYB_VS	25	0.2466782	0.788957	0.7365145	0.920092	1	681 tags=20%, list=14%, signal=23%
GSE42021_CD24LO_TREG_VS_CD24LO_TCONV_THYMU	GSE42021_CD24LO_TREG_V	42	0.22516935	0.7888617	0.7563851	0.9200802	1	376 tags=12%, list=8%, signal=13%
GSE15659_CD45RA_NEG_CD4_TCELL_VS_RESTING_TREG	GSE15659_CD45RA_NEG_C	35	0.2204436	0.7888737	0.8234127	0.9202517	1	1462 tags=34%, list=29%, signal=48%
GSE45365_NK_CELL_VS_BCELL_UP	GSE45365_NK_CELL_VS_BCI	55	0.23467289	0.7887749	0.697446	0.91984606	1	1217 tags=31%, list=24%, signal=40%
GO_MYELOID_CELL_DIFFERENTIATION	GO_MYELOID_CELL_DIFFERI	57	0.22376778	0.7887161	0.7638095	0.919753	1	891 tags=19%, list=18%, signal=23%
VSHNF1_Q6	VSHNF1_Q6	83	0.20958391	0.7883101	0.7824497	0.9203174	1	1806 tags=45%, list=36%, signal=69%
ATAAGCT_MIR_21	ATAAGCT_MIR_21	36	0.2382261	0.788252	0.7811321	0.92023486	1	417 tags=14%, list=8%, signal=15%
GSE43955_THO_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_IH	GSE43955_THO_VS_TGFB_I	70	0.20922942	0.78823113	0.78571427	0.92007434	1	728 tags=16%, list=15%, signal=18%
GSE22025_UNTREATED_VS_TGFB1_TREATED_CD4_TCELLI	GSE22025_UNTREATED_VS	71	0.1929967	0.78821623	0.85555553	0.9199068	1	381 tags=11%, list=8%, signal=12%
KIM_WT1_TARGETS_8HR_DI	KIM_WT1_TARGETS_8HR_DI	47	0.21270016	0.78812987	0.753937	0.91986936	1	734 tags=19%, list=15%, signal=22%
GO_ASSOCIATIVE_LEARNING	GO_ASSOCIATIVE_LEARNIN	22	0.2456689	0.7880951	0.76435643	0.91973686	1	854 tags=18%, list=17%, signal=22%
GO_NEURAL_NUCLEUS_DEVELOPMENT	GO_NEURAL_NUCLEUS_DEV	21	0.25632977	0.78805673	0.76330274	0.91960895	1	307 tags=14%, list=6%, signal=15%
RNCTGNRRNCTGNY_UNKOWN	RNCTGNRRNCTGNY_UNK	23	0.25038314	0.78798115	0.7615527	0.9195486	1	687 tags=17%, list=14%, signal=20%
MIKKELSEN_NPC1_WITH_H3K4ME3	MIKKELSEN_NPC1_WITH	18	0.21771122	0.78796226	0.7188002	0.9193924	1	1303 tags=50%, list=36%, signal=78%
RYTGCNRRNNAAC_VSMIF1	RYTGCNRRNNAAC_VSMIF1	24	0.24149746	0.7877632	0.76939654	0.9195608	1	896 tags=25%, list=18%, signal=30%
GO_REGULATION_OF_REACTIVE_OXYGEN_SPECIES_M	GO_REGULATION_OF_REAC	57	0.22330232	0.78775126	0.7398058	0.9193852	1	665 tags=14%, list=13%, signal=16%
VSOCT1_Q5_01	VSOCT1_Q5_01	112	0.19861042	0.7876994	0.82732445	0.91928446	1	1489 tags=32%, list=30%, signal=45%
GSE9509_LPS_VS_IL10_STIM_IL10_KO_MACRC	GSE9509_LPS_VS_LPS_AND	66	0.20956144	0.78759956	0.741483	0.9192714	1	1350 tags=32%, list=2



GO_GLYCOSYL_COMPOUND_METABOLIC_PROCESS	GO_GLYCOSYL_COMPOUND	74	0.18676752	0.78475595	0.86964285	0.9200712	1	703 tags=15%, list=14%, signal=17%
GSE29618_LAI_V_TIV_FLU_VACCINE_DAY7_BCELL_DN	GSE29618_LAI_V_TIV_FLU	20	0.26295272	0.7847358	0.75628626	0.91991705	1	1361 tags=30%, list=27%, signal=41%
CACCAGC_MIR-138	CACCAGC_MIR-138	35	0.20618148	0.78415793	0.8426295	0.92077315	1	290 tags=11%, list=6%, signal=12%
PID_SHP2_PATHWAY	PID_SHP2_PATHWAY	23	0.2708463	0.7841374	0.6958175	0.9206141	1	226 tags=13%, list=5%, signal=14%
GSE17721_LPS_VS_CPG_8H_BMDC_DN	GSE17721_LPS_VS_CPG_8H	34	0.24239135	0.7840126	0.74899596	0.92063504	1	1725 tags=18%, list=15%, signal=20%
GSE15324_NAIVE_VS_ACTIVATED_CD8_TCELL_UP	GSE15324_NAIVE_VS_ACTIV	56	0.2053252	0.7838153	0.83047616	0.92082727	1	1355 tags=32%, list=27%, signal=44%
GO_PHOSPHOLID_METABOLIC_PROCESS	GO_PHOSPHOLID_METAB	91	0.20111135	0.7837943	0.8235294	0.9206701	1	226 tags=8%, list=5%, signal=10%
GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_24H_L1	GSE8921_UNSTIM_VS_TLR1	74	0.23023428	0.7836903	0.7048872	0.92066634	1	1038 tags=23%, list=21%, signal=29%
HANN_RESISTANCE_TO_BCL2_INHIBITOR_UP	HANN_RESISTANCE_TO_B	18	0.2736445	0.783417	0.7352381	0.9209715	1	1080 tags=28%, list=22%, signal=35%
GO_REGULATION_OF_PROTEIN_LOCALIZATION_TO_NU	GO_REGULATION_OF_PROT	61	0.2319086	0.78330636	0.7520161	0.92098093	1	933 tags=23%, list=19%, signal=28%
GSE4748_CTRL_VS_CYANOBACTERIUM_LPSLIKE_STIM_D	GSE4748_CTRL_VS_CYANO	55	0.25115138	0.7831139	0.7003817	0.9211346	1	749 tags=22%, list=15%, signal=25%
GO_INTEGRIN_MEDIATED_SIGNALING_PATHWAY	GO_INTEGRIN_MEDIATED_S	26	0.2697827	0.78309166	0.718107	0.9209882	1	392 tags=12%, list=8%, signal=12%
GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_24H_C	GSE15930_STIM_VS_STIM_#	63	0.20082973	0.783053	0.82539664	0.9208611	1	1179 tags=29%, list=24%, signal=37%
GSE2585_CTEC_VS_THYMIC_DC_DN	GSE2585_CTEC_VS_THYMIC	68	0.19604552	0.7822659	0.8346457	0.9221226	1	1105 tags=28%, list=22%, signal=35%
GO_CORECEPTOR_ACTIVATION	GO_CORECEPTOR_ACTIVIT	18	0.2620937	0.78221005	0.739726	0.9220351	1	804 tags=28%, list=16%, signal=33%
GO_PROTEIN_TETRAMERIZATION	GO_PROTEIN_TETRAMERIZ/	32	0.24786377	0.78216463	0.73189825	0.92191625	1	218 tags=9%, list=4%, signal=10%
GSE5589_UNSTIM_VS_180MIN_VS_STIM_MACROPHAG	GSE5589_UNSTIM_VS_180M	33	0.23282032	0.7820408	0.8130435	0.9219588	1	1814 tags=52%, list=36%, signal=80%
GSE41867_DAY6_VS_DAY15_LCMV_CLONE13_EFFECTOF	GSE41867_DAY6_VS_DAY15	53	0.19597457	0.78192174	0.83653843	0.9219731	1	1486 tags=34%, list=30%, signal=48%
V5FREAC7_01	V5FREAC7_01	72	0.20147067	0.7818017	0.7946768	0.92197555	1	698 tags=15%, list=14%, signal=18%
GSE41867_NAIVE_VS_DAY30_LCMV_ARMSTRONG_MEV	GSE41867_NAIVE_VS_DAY3	18	0.27064922	0.78164494	0.7618111	0.92209303	1	1132 tags=28%, list=23%, signal=36%
V5PBX1_02	V5PBX1_02	47	0.2066878	0.78142726	0.8186813	0.9222931	1	898 tags=21%, list=18%, signal=26%
GSE29164_CD8_TCELL_VS_CD8_TCELL_AND_IL12_TREAT	GSE29164_CD8_TCELL_VS_C	61	0.20971613	0.7812813	0.78557116	0.922372	1	854 tags=21%, list=17%, signal=25%
GSE24210_IL35_TREATED_VS_RESTING_TREG_UP	GSE24210_IL35_TREATED_V	73	0.19737962	0.78119093	0.8303748	0.9223456	1	642 tags=15%, list=13%, signal=17%
GO_REGULATION_OF_STEM_CELL_DIFFERENTIATION	GO_REGULATION_OF_STEM	42	0.2249115	0.7811139	0.7799228	0.9222864	1	1145 tags=29%, list=23%, signal=37%
GO_EYE_DEVELOPMENT	GO_EYE_DEVELOPMENT	101	0.20443408	0.7809448	0.7651376	0.9223903	1	1697 tags=44%, list=34%, signal=65%
GSE25677_R848_VS_MPL_AND_R848_STIM_BCELL_UP	GSE25677_R848_VS_MPL_A	47	0.2166694	0.7807982	0.80073124	0.92245793	1	1564 tags=34%, list=31%, signal=49%
GSE37532_VISCERAL_ADIPOSE_TISSUE_VS_IN_DERIVED	GSE37532_VISCERAL_ADIP	17	0.2676802	0.78044593	0.74150944	0.922909	1	940 tags=24%, list=19%, signal=29%
GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THY	GSE24142_EARLY_THYMIC_	68	0.23645046	0.7801866	0.7055336	0.92320734	1	905 tags=26%, list=18%, signal=32%
GSE5589_IL6_KO_VS_IL10_KO_LPS_STIM_MACROPHAGE	GSE5589_IL6_KO_VS_IL10_K	57	0.20333481	0.78008723	0.83428574	0.92316544	1	1513 tags=33%, list=30%, signal=47%
GSE4748_CTRL_VS_LPS_AND_CYANOBACTERIUM_LPSLI	GSE4748_CTRL_VS_LPS_ANI	64	0.20487939	0.7797502	0.7919075	0.9236106	1	1556 tags=44%, list=31%, signal=63%
V5NFKB_Q6_01	V5NFKB_Q6_01	71	0.20706674	0.7795894	0.79017013	0.92370427	1	659 tags=13%, list=13%, signal=14%
GO_FACE_DEVELOPMENT	GO_FACE_DEVELOPMENT	18	0.26578313	0.7795784	0.72962224	0.9235296	1	882 tags=22%, list=18%, signal=27%
GSE23505_IL6_IL1_IL23_VS_IL6_IL1_IL23_VS_I	GSE23505_IL6_IL1_IL23_VS_	56	0.22022228	0.7794001	0.7525355	0.92364556	1	1192 tags=32%, list=24%, signal=42%
GO_REGULATION_OF_MUSCLE_TISSUE_DEVELOPMENT	GO_REGULATION_OF_MUS	40	0.22502786	0.7793253	0.77205884	0.923585	1	414 tags=13%, list=8%, signal=14%
GO_POSITIVE_REGULATION_OF_LOCOMOTION	GO_POSITIVE_REGULATION	176	0.21175045	0.7792143	0.71343875	0.9236017	1	942 tags=20%, list=19%, signal=24%
GSE26669_CTRL_VS_COSTIM_BLOCK_MMR_CD4_TCELL_C	GSE26669_CTRL_VS_COSTIM	44	0.21909548	0.7789787	0.7921569	0.9238358	1	882 tags=23%, list=18%, signal=27%
GO_OUTFLOW_TRACT_MORPHOGENESIS	GO_OUTFLOW_TRACT_MOF	29	0.2574806	0.7788942	0.72868216	0.9237879	1	1190 tags=31%, list=24%, signal=40%
GSE1460_INTRATHYMIC_T_PROGENITOR_VS_NAIVE_CD	GSE1460_INTRATHYMIC_T_J	51	0.22914311	0.7788576	0.71850395	0.9236602	1	1113 tags=25%, list=22%, signal=32%
PROVENZANI_METASTASIS_UP	PROVENZANI_METASTASIS	55	0.21341862	0.7786626	0.7907445	0.92393917	1	674 tags=16%, list=13%, signal=19%
REACTOME_HEMOSTASIS	REACTOME_HEMOSTASIS	140	0.1900015	0.7785866	0.8174905	0.92377126	1	916 tags=19%, list=18%, signal=22%
GSE22886_TH1_VS_TH2_48H_ACT_DN	GSE22886_TH1_VS_TH2_48H	41	0.23079371	0.7785516	0.77317554	0.9236406	1	1178 tags=27%, list=24%, signal=35%
GO_PHOSPHATIDYLINOSITOL_BIOSYNTHETIC_PROCESS	GO_PHOSPHATIDYLINOSIT	22	0.25908294	0.7784478	0.76448596	0.9236343	1	1089 tags=27%, list=22%, signal=35%
GO_POSITIVE_REGULATION_OF_WNT_SIGNALING_PATH	GO_POSITIVE_REGULATION	38	0.2324811	0.77824557	0.75	0.9238075	1	1214 tags=37%, list=24%, signal=48%
MODULE_20	MODULE_20	22	0.24919218	0.7780546	0.7889734	0.9239475	1	1146 tags=27%, list=23%, signal=35%
GO_POSITIVE_REGULATION_OF_PROTEIN_METABOLIC_P	GO_POSITIVE_REGULATION	430	0.17648362	0.7780214	0.82732445	0.92381495	1	958 tags=19%, list=19%, signal=21%
GSE360_DC_VS_MAC_B_MALAY_L10_DOSE_DN	GSE360_DC_VS_MAC_B_MA	48	0.22733898	0.7780198	0.7813688	0.9236236	1	662 tags=15%, list=13%, signal=17%
KIM_MYCN_AMPLIFICATION_TARGETS_UP	KIM_MYCN_AMPLIFICATION	39	0.21817152	0.7780193	0.79818183	0.9234297	1	994 tags=26%, list=20%, signal=32%
GSE43955_THO_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_42	GSE43955_THO_VS_TGFB_IL	49	0.22209989	0.7780058	0.7584777	0.9232571	1	261 tags=10%, list=5%, signal=11%
GO_PYRIDOXAL_PHOSPHATE_BINDING	GO_PYRIDOXAL_PHOSPHAI	20	0.2514675	0.77799404	0.7926005	0.9230876	1	1312 tags=40%, list=26%, signal=54%
GO_VASCULATURE_DEVELOPMENT	GO_VASCULATURE_DEVEL	170	0.2100701	0.77749795	0.7368421	0.9237588	1	917 tags=22%, list=18%, signal=26%
GSE4748_CTRL_VS_LPS_STIM_DC_3H_DN	GSE4748_CTRL_VS_LPS_STB	55	0.20767538	0.7772652	0.83759123	0.92402357	1	1406 tags=33%, list=28%, signal=45%
GO_VASCULAR_PART	GO_VASCULAR_PART	145	0.18673073	0.77720875	0.8126195	0.92393106	1	632 tags=14%, list=13%, signal=15%
GSE37533_UNTREATED_VS_PICOLIZATONE_TREATED_C	GSE37533_UNTREATED_VS	21	0.25081056	0.7771731	0.787037	0.9238092	1	616 tags=24%, list=12%, signal=27%
GSE18804_SPLEEN_MACROPHAGE_VS_COLON_TUMOR	GSE18804_SPLEEN_MACRO	56	0.22017132	0.77686024	0.7217899	0.9241789	1	731 tags=21%, list=15%, signal=25%
KEGG_DRUG_METABOLISM_CYTOCHROME_P450	KEGG_DRUG_METABOLISM	42	0.26334238	0.77673197	0.6980462	0.9242138	1	1550 tags=50%, list=31%, signal=72%
GSE37336_LY6C_POS_VS_NEG_NAIVE_CD4_TCELL_UP	GSE37336_LY6C_POS_VS_N	73	0.20855054	0.7766597	0.81320757	0.9241562	1	1246 tags=27%, list=25%, signal=36%
GSE43955_TH_VS_I0H_ACT_CD4_TCELL_WITH_TGFB_IL6	GSE43955_TH_VS_I0H_ACT	74	0.21759632	0.7766222	0.7426236	0.9240311	1	559 tags=15%, list=11%, signal=16%
GO_CORTICAL_CYTOSKELETON	GO_CORTICAL_CYTOSKELE	22	0.25036454	0.77650374	0.79083663	0.92404205	1	1359 tags=41%, list=27%, signal=56%
V5SCREB_Q3	V5SCREB_Q3	55	0.20902894	0.7762766	0.8079208	0.9242643	1	1302 tags=31%, list=26%, signal=41%
GSE18804_SPLEEN_MACROPHAGE_VS_BRAIN_TUMORA	GSE18804_SPLEEN_MACRO	45	0.2316314	0.77611727	0.77355075	0.9243721	1	1139 tags=29%, list=23%, signal=37%
GO_SIGNAL_TRANSDUCER_ACTIVITY	GO_SIGNAL_TRANSDUCER_A	467	0.17742251	0.77580084	0.8125	0.92473596	1	895 tags=17%, list=18%, signal=19%
GSE2706_R848_VS_LPS_2H_STIM_DC_UP	GSE2706_R848_VS_LPS_2H_	67	0.18331417	0.7756184	0.879017	0.92462116	1	1477 tags=34%, list=30%, signal=48%
GSE17721_POLYVIC_VS_GARDIQUOMOD_2H_BMDC_UP	GSE17721_POLYVIC_VS_GARI	42	0.21012531	0.7756524	0.8362235	0.9246301	1	242 tags=10%, list=5%, signal=10%
GSE32255_UNSTIM_VS_4H_LPS_STIM_DC_DN	GSE32255_UNSTIM_VS_4H_	36	0.22574128	0.7749743	0.7760911	0.9256676	1	1816 tags=47%, list=36%, signal=74%
PARENT_MTOR_SIGNALING_UP	PARENT_MTOR_SIGNALING	105	0.18339789	0.7749421	0.8568773	0.9255359	1	1375 tags=28%, list=28%, signal=37%
V5SPZ1_01	V5SPZ1_01	68	0.20820707	0.774934	0.78277886	0.92535967	1	1378 tags=29%, list=28%, signal=40%
GSE7460_WT_VS_FOXP3_HET_ACT_TCONV_DN	GSE7460_WT_VS_FOXP3_HE	41	0.21507375	0.7746223	0.82191783	0.9257228	1	1082 tags=24%, list=22%, signal=31%
GAVIN_FOXP3_TARGETS_CLUSTER_P3	GAVIN_FOXP3_TARGETS_CL	59	0.20368461	0.7745467	0.8194444	0.92566824	1	425 tags=12%, list=9%, signal=13%
GSE23502_WT_VS_HDC_KO_MYELOID_DERIVED_SUPP	GSE23502_WT_VS_HDC_KO	62	0.22980959	0.7742737	0.75303644	0.925955	1	622 tags=15%, list=12%, signal=16%
GSE22025_PROGESTERONE_VS_TGFB1_AND_PROGESTE	GSE22025_PROGESTERONE	75	0.20466498	0.77426153	0.80494734	0.9257535	1	240 tags=8%, list=5%, signal=8%
GO_RESPONSE_TO_NUTRIENT	GO_RESPONSE_TO_NUTRIE	82	0.19804697	0.77408737	0.8330206	0.92589605	1	980 tags=22%, list=20%, signal=27%
TONKS_TARGETS_OF_RUNX1_RUNX1_T_FUSION_ERYTH	TONKS_TARGETS_OF_RUNX	81	0.22095305	0.7739883	0.7664093	0.92587006	1	959 tags=22%, list=19%, signal=27%
GO_VITAMIN_METABOLIC_PROCESS	GO_VITAMIN_METABOLIC_	42	0.20791659	0.77393687	0.8394161	0.9257719	1	396 tags=14%, list=8%, signal=15%
WTGAAAT_UNKNOWN	WTGAAAT_UNKNOWN	203	0.17671858	0.773906	0.8810811	0.9256465	1	1485 tags=32%, list=30%, signal=43%
GSE9960_GRAM_POS_VS_GRAM_NEG_AND_POS_SEPSI	GSE9960_GRAM_POS_VS_G	41	0.2429781	0.77374655	0.73861384	0.9257218	1	1696 tags=39%, list=34%, signal=59%
GO_FIBROBLAST_GROWTH_FACTOR_RECEPTOR_SIGNA	GO_FIBROBLAST_GROWTH_	10	0.27076175	0.7734335	0.75272727	0.926092	1	1739 tags=56%, list=35%, signal=85%
V5NIX3A_01	V5NIX3A_01	66	0.20761459	0.773431	0.7881508	0.9259023	1	1793 tags=45%, list=36%, signal=70%
GSE3982_EOSINOPHIL_VS_DC_DN	GSE3982_EOSINOPHIL_VS_	45	0.24196081	0.77340543	0.80730224	0.92575115	1	1058 tags=24%, list=21%, signal=31%
GSE13493_DP_VS_CD8POS_THYMOCTE_DN	GSE13493_DP_VS_CD8POS	39	0.20988017	0.773046	0.83738315	0.9261909	1	940 tags=23%, list=19%, signal=28%
CROONQUIST_NRAS_VS_STROMAL_STIMULATION_UP	CROONQUIST_NRAS_VS_ST	20	0.25741845	0.7727851	0.7560484	0.9264598	1	1108 tags=25%, list=22%, signal=32%
GSE28737_FOLLICULAR_VS_MARGINAL_ZONE_BCELL_D	GSE28737_FOLLICULAR_VS	71	0.19443384	0.77241005	0.8152381	0.92695785	1	929 tags=20%, list=19%, signal=24%
GSE17721_LPS_VS_CPG_16H_BMDC_UP	GSE17721_LPS_VS_CPG_16H	50	0.22286491	0.77229905	0.752495	0.92696255	1	1353 tags=30%, list=27%, signal=41%
STARK_PREFRONTAL_CORTEX_Q2Q11_DELETION_DN	STARK_PREFRONTAL_CORTI	62	0.19046342	0.77220017	0.8639053	0.92693985	1	1343 tags=27%, list=27%, signal=37%
GSE29949_CD8_NEG_DC_SPLEEN_VS_DC_BRAIN_UP	GSE29949_CD8_NEG_DC_SF	73	0.18851425	0.7721706	0.86730766	0.9267981	1	1074 tags=22%, list=21%, signal=28%
GO_CELL_SURFACE_RECEPTOR_SIGNALING_PATHWAY	GO_CELL_SURFACE_RECEPT	24	0.2463284	0.7721631				



GSE14308_TH2_VS_NAIVE_CD4_TCELL_UP	GSE14308_TH2_VS_NAIVE_C	45	0.2112757	0.77009374	0.80658436	0.92587537	1	795 tags=18%, list=16%, signal=21%
GO_RESPONSE_TO_VITAMIN	GO_RESPONSE_TO_VITAMIN	47	0.21605857	0.76993084	0.80669147	0.92597324	1	822 tags=21%, list=16%, signal=25%
GO_REGULATION_OF_PRODUCTION_OF_MOLECULAR_MORF_RAB3A	GO_REGULATION_OF_PRODU	43	0.2551083	0.7696139	0.7125506	0.92636615	1	104 tags=7%, list=2%, signal=7%
GSE1460_CD4_THYMOCYTE_VS_THYMIC_STROMAL_CELL	GSE1460_CD4_THYMOCYTE	40	0.24375863	0.76945394	0.7287449	0.9264476	1	606 tags=18%, list=12%, signal=20%
HALLMARK_ANGIOGENESIS	HALLMARK_ANGIOGENESIS	18	0.2921371	0.7694179	0.7392157	0.92631936	1	1217 tags=39%, list=24%, signal=51%
GSE13522_WT_VS_IFNAR_KO_SKIN_DN	GSE13522_WT_VS_IFNAR_KO	63	0.21380527	0.76925296	0.7837838	0.92641777	1	426 tags=11%, list=9%, signal=12%
GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_D	GSE39110_UNTREATED_VS_I	62	0.20971271	0.7691124	0.80834913	0.92645824	1	1003 tags=27%, list=20%, signal=34%
GSE29618_PRE_VS_DAV7_FLU_VACCINE_PDC_UP	GSE29618_PRE_VS_DAV7_FI	64	0.2000487	0.7690063	0.82887703	0.92645556	1	1381 tags=31%, list=28%, signal=43%
GSE28726_ACT_CD4_TCELL_VS_ACT_NKCELL_DN	GSE28726_ACT_CD4_TCELL	39	0.22524352	0.76896954	0.7351179	0.9263309	1	292 tags=13%, list=6%, signal=14%
LUCAS_HNF4A_TARGETS_UP	LUCAS_HNF4A_TARGETS_U	17	0.25676107	0.7688901	0.7873211	0.9264214	1	1318 tags=41%, list=26%, signal=56%
GO_CELLULAR_RESPONSE_TO_OXYGEN_CONTAINING_G	GO_CELLULAR_RESPONSE_TO	285	0.17377305	0.76874495	0.8427788	0.9263377	1	1384 tags=29%, list=28%, signal=38%
GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_4B	GSE2770_IL12_AND_TGFB_F	44	0.21396437	0.7685617	0.8056075	0.9264632	1	286 tags=9%, list=6%, signal=10%
MORF_RAB3A	MORF_RAB3A	34	0.22438058	0.76855826	0.8342246	0.92677764	1	1476 tags=38%, list=30%, signal=54%
GSE411_100MIN_VS_400MIN_IL6_STIM_SOCS3_KO_MAC	GSE411_100MIN_VS_400MI	34	0.24786845	0.7683214	0.76953906	0.926507	1	1133 tags=29%, list=23%, signal=38%
GSE18281_CORTEX_VS_MEDULLA_THYMUS_DN	GSE18281_CORTEX_VS_MEI	43	0.22255147	0.7682506	0.80241936	0.9264393	1	835 tags=21%, list=17%, signal=25%
MORF_DCC	MORF_DCC	33	0.2218754	0.76796484	0.8275293	0.9267468	1	1476 tags=45%, list=30%, signal=64%
GSE17721_LPS_VS_CPG_2H_BMDC_DN	GSE17721_LPS_VS_CPG_2H	44	0.22294655	0.76781136	0.80987203	0.92680895	1	1282 tags=30%, list=26%, signal=39%
GSE13522_WT_VS_IFNG_KO_SKING_T_CRUZI_Y_STRAIN	GSE13522_WT_VS_IFNG_KO	48	0.20982961	0.7677839	0.8281853	0.9266704	1	1254 tags=29%, list=25%, signal=39%
CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRA	CHIARADONNA_NEOPLAST	30	0.2813894	0.76777714	0.70039684	0.92649084	1	1218 tags=30%, list=24%, signal=36%
VSP0U3F2_01	VSP0U3F2_01	42	0.22154582	0.76774746	0.7925234	0.9263502	1	1442 tags=33%, list=29%, signal=49%
GSE22611_UNSTIM_VS_6H_MDPI_STIM_MUTANT_NOD2	GSE22611_UNSTIM_VS_6H_	40	0.21367508	0.7674598	0.7927063	0.92667	1	1137 tags=25%, list=23%, signal=32%
WARTERS_RESPONSE_TO_IR_SKIN	WARTERS_RESPONSE_TO_IF	21	0.25591746	0.76745486	0.7781955	0.92648923	1	1058 tags=33%, list=21%, signal=42%
VFOX01_02	VFOX01_02	82	0.19367799	0.76741856	0.83738315	0.92636263	1	543 tags=15%, list=11%, signal=16%
KUNINGER_IGF1_VS_PDGF_TARGETS_UP	KUNINGER_IGF1_VS_PDGF	35	0.21879846	0.76717407	0.8357401	0.9265981	1	1222 tags=31%, list=24%, signal=41%
GSE40274_LEF1_VS_FOXP3_AND_LEF1_TRANSUCED	GSE40274_LEF1_VS_FOXP3	62	0.20021932	0.76713127	0.8414873	0.9264788	1	425 tags=13%, list=9%, signal=14%
GSE18804_BRAIN_VS_COLON_TUMORAL_MACROPHAG	GSE18804_BRAIN_VS_COLO	63	0.20026891	0.76712906	0.82608694	0.92629004	1	1418 tags=35%, list=28%, signal=48%
WINNENPENNINCKX_MELANOMA_METASTASIS_DN	WINNENPENNINCKX_MELAN	23	0.27897918	0.7670662	0.7369403	0.9262009	1	1455 tags=39%, list=29%, signal=55%
GO_CELL_CELL_ADHESION_VIA_PLASMA_MEMBRANE_A	GO_CELL_CELL_ADHESION_	93	0.20640646	0.7668145	0.7728155	0.9264372	1	1119 tags=24%, list=22%, signal=30%
MIKKELSEN_IPS_LCP_WITH_H3K4ME3	MIKKELSEN_IPS_LCP_WITH_	45	0.20715643	0.7667328	0.81474483	0.9263974	1	1210 tags=22%, list=24%, signal=29%
GO_BINDING_BRIDGING_MODULE_122	GO_BINDING_BRIDGING_MODULE_122	60	0.21603338	0.7665588	0.7980952	0.92650205	1	1461 tags=35%, list=29%, signal=49%
GSE12845_IJD_NEG_BLOOD_VS_NAIVE_TONSIL_BCELL	GSE12845_IJD_NEG_BLOOD	82	0.24960909	0.7664413	0.68190855	0.9265106	1	1615 tags=43%, list=32%, signal=62%
GSE2405_HEAT_KILLED_LYSATE_VS_LIVE_A_PHAGOCYTO	GSE2405_HEAT_KILLED_LYS	43	0.21249876	0.76643646	0.8083832	0.92632616	1	176 tags=9%, list=4%, signal=10%
GSE17721_LPS_VS_GARDIQUOL_6H_BMDC_UP	GSE17721_LPS_VS_GARDIQ	76	0.21645664	0.7663393	0.75102043	0.9263025	1	595 tags=17%, list=12%, signal=19%
GSE34392_ST2_KO_VS_WT_DAYS4_LOW_EFFECTOR_CD8	GSE34392_ST2_KO_VS_WT_	45	0.21796247	0.7661388	0.8102467	0.9264606	1	266 tags=9%, list=5%, signal=9%
GSE37319_WT_VS_RC3H1_KO_CD44LOW_CD8_TCELL_UI	GSE37319_WT_VS_RC3H1_K	37	0.2303811	0.76597935	0.7821782	0.9265439	1	1380 tags=41%, list=28%, signal=56%
GO_EMBRYONIC_PLACENTA_DEVELOPMENT	GO_EMBRYONIC_PLACENTA/	38	0.2083077	0.76593626	0.87258685	0.92642677	1	1564 tags=42%, list=31%, signal=61%
GSE1460_CORD_VS_ADULT_BLOOD_NAIVE_CD4_TCELL	GSE1460_CORD_VS_ADULT	27	0.22887644	0.7658367	0.8220503	0.9263994	1	891 tags=30%, list=18%, signal=36%
EPPT_HSC_R	EPPT_HSC_R	50	0.21245717	0.76571155	0.83433133	0.9264177	1	1130 tags=26%, list=23%, signal=33%
GSE13411_IJM_MEMORY_BCELL_VS_PLASMA_CELL_UP	GSE13411_IJM_MEMORY_E	42	0.23283616	0.7652674	0.7833002	0.92698467	1	1243 tags=31%, list=25%, signal=41%
GSE2128_CTRL_VS_MIMETOP_NEGATIVE_SELECTION_I	GSE2128_CTRL_VS_MIMETC	40	0.23228806	0.765067	0.7777778	0.9271443	1	313 tags=13%, list=6%, signal=13%
GSE39556_CD8A_DC_VS_NK_CELL_MOUSE_3H_POST_PG	GSE39556_CD8A_DC_VS_N	76	0.21886233	0.7649471	0.7214429	0.92716527	1	958 tags=24%, list=19%, signal=29%
GO_PHOSPHATIDYLINOSITOL_3_KINASE_ACTIVITY	GO_PHOSPHATIDYLINOSITO	50	0.22283825	0.7648881	0.765873	0.9270742	1	738 tags=20%, list=15%, signal=23%
GSE17580_TREG_VS_TEFF_S_MASSON_LIN_FUP	GSE17580_TREG_VS_TEFF_S	64	0.21232167	0.7647666	0.76954734	0.92690444	1	876 tags=20%, list=18%, signal=24%
FERRARI_RESPONSE_TO_FENRETINIDE_UP	FERRARI_RESPONSE_TO_FEI	15	0.27929094	0.76472515	0.7367387	0.9267908	1	930 tags=20%, list=19%, signal=24%
GSE22432_CDC_VS_COMMON_CD4_PROGENITOR_UP	GSE22432_CDC_VS_COMM	50	0.22030467	0.7646388	0.76647836	0.92673963	1	488 tags=20%, list=10%, signal=22%
CHEN_LVAD_SUPPORT_OF_FALLING_HEART_DN	CHEN_LVAD_SUPPORT_OF_	50	0.27001157	0.7644544	0.74251497	0.9268919	1	777 tags=18%, list=16%, signal=21%
GSE22611_UNSTIM_VS_2H_MDPI_STIM_MUTANT_NOD2	GSE22611_UNSTIM_VS_2H_	41	0.21330869	0.7644353	0.8364662	0.92671967	1	1159 tags=26%, list=23%, signal=34%
GSE5960_TH1_VS_ANGERIC_TH1_UP	GSE5960_TH1_VS_ANGERIC	37	0.22837971	0.76442814	0.8125	0.9265416	1	878 tags=24%, list=18%, signal=29%
PID_IL6_7_PATHWAY	PID_IL6_7_PATHWAY	17	0.28204545	0.7643713	0.741483	0.9264553	1	1079 tags=24%, list=22%, signal=31%
HALMOS_CEBPA_TARGETS_UP	HALMOS_CEBPA_TARGETS_	27	0.26042336	0.7643509	0.72619045	0.9263017	1	17 tags=6%, list=0%, signal=6%
GO_METALLOPEPTIDASE_ACTIVITY	GO_METALLOPEPTIDASE_A	61	0.21777765	0.76421255	0.76984125	0.92634416	1	649 tags=19%, list=13%, signal=21%
GSE32986_GMCSF_AND_CURDLAN_LODOWSE_VS_GMC	GSE32986_GMCSF_AND_CL	10	0.19725734	0.7640585	0.83778626	0.92642665	1	1699 tags=43%, list=34%, signal=64%
VSOCT_Q6	VSOCT_Q6	70	0.18995175	0.7639779	0.8541267	0.92637974	1	874 tags=19%, list=17%, signal=22%
MODULE_92	MODULE_92	91	0.20656319	0.76361173	0.81146026	0.926828	1	1489 tags=34%, list=30%, signal=47%
GSE29949_CD8_NEG_DC_SPLEEN_VS_MONOCYTE_BON	GSE29949_CD8_NEG_DC_SF	52	0.20590442	0.7635457	0.8343685	0.9267594	1	741 tags=16%, list=15%, signal=19%
GSE11057_PBMCM_VS_MEMM_CD4_TCELL_DN	GSE11057_PBMCM_VS_MEMM	51	0.26889893	0.763442	0.6833667	0.9267617	1	1210 tags=31%, list=24%, signal=40%
GO_NEURON_DEATH	GO_NEURON_DEATH	16	0.2510507	0.76342	0.7858586	0.9266114	1	36 tags=6%, list=1%, signal=6%
GO_CD4_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION	GO_CD4_POSITIVE_ALPHA_I	15	0.30828047	0.7633487	0.73189825	0.9265481	1	10 tags=7%, list=0%, signal=7%
GSE5679_CTRL_VS_PPARG_LIGAND_ROSILIGITAZONE_A	GSE5679_CTRL_VS_PPARG_I	73	0.21695346	0.7630933	0.7534517	0.9268005	1	563 tags=14%, list=11%, signal=15%
GSE1460_CD4_THYMOCYTE_VS_NAIVE_CD4_THYMOCYTE	GSE1460_CD4_THYMOCYTE	45	0.21602623	0.76284313	0.83882785	0.9270317	1	1233 tags=29%, list=25%, signal=38%
GSE13411_IJM_MEMORY_BCELL_VS_PLASMA_CELL_DN	GSE13411_IJM_MEMORY_E	74	0.19468821	0.76249206	0.84615386	0.92743844	1	732 tags=19%, list=15%, signal=22%
MCDOWELL_ACUTE_LUNG_INJURY_UP	MCDOWELL_ACUTE_LUNG_	24	0.26221132	0.7620794	0.7616162	0.9279715	1	880 tags=25%, list=18%, signal=23%
GO_MULTICELLULAR_ORGANISMAL_WATER_HOMEOST	GO_MULTICELLULAR_ORGA	23	0.2564406	0.76162195	0.7854546	0.9285631	1	845 tags=22%, list=17%, signal=26%
GSE20484_MCSG_VS_CXCL4_MONOCYTE_DERIVED_MA	GSE20484_MCSG_VS_CXCL	37	0.22032553	0.7615893	0.805726	0.9284338	1	911 tags=19%, list=18%, signal=23%
GSE27786_NEUTROPHIL_VS_MONO_MAC_UP	GSE27786_NEUTROPHIL_V	44	0.2126689	0.76149744	0.80038387	0.92840195	1	1408 tags=30%, list=28%, signal=41%
GSE19923_WT_VS_HEB_KO_DP_THYMOCYTE_UP	GSE19923_WT_VS_HEB_KO	63	0.19477506	0.76140314	0.8476954	0.92836356	1	959 tags=22%, list=19%, signal=27%
GSE36392_EOSINOPHIL_VS_NEUTROPHIL_IL25_TREAT	GSE36392_EOSINOPHIL_V	66	0.21568415	0.7612572	0.7677165	0.9284793	1	991 tags=23%, list=20%, signal=28%
GSE43863_DAY6_EFF_VS_DAY150_MEM_LYMC_INT_CXCF	GSE43863_DAY6_EFF_VS_D	58	0.26830816	0.76121885	0.68812877	0.9283005	1	743 tags=19%, list=15%, signal=22%
GSE2770_IL4_ACT_VS_ACT_CD4_TCELL_2H_DN	GSE2770_IL4_ACT_VS_ACT_	47	0.22248507	0.7610485	0.7605634	0.92839783	1	442 tags=15%, list=9%, signal=16%
GSE3982_DC_VS_MAC_LPS_STIM_DN	GSE3982_DC_VS_MAC_LPS_	77	0.19757746	0.7608789	0.82884616	0.9284917	1	1323 tags=34%, list=26%, signal=45%
MORF_NOS2A	MORF_NOS2A	80	0.21821161	0.7606923	0.89454544	0.92861253	1	196 tags=6%, list=4%, signal=6%
GSE3982_DC_VS_NKCELL_D	GSE3982_DC_VS_NKCELL_D	62	0.22075057	0.76044893	0.7024952	0.9288848	1	758 tags=18%, list=15%, signal=21%
GSE15330_WT_VS_IKAROS_KO_LYMPHOID_MULTIPOTEI	GSE15330_WT_VS_IKAROS_	34	0.23337632	0.7602703	0.7904762	0.92896086	1	36 tags=6%, list=1%, signal=6%
GSE21927_GMCSF_IL6_VS_GMCSF_TREATED_BON	GSE21927_GMCSF_IL6_VS_	50	0.19790389	0.76016784	0.8536122	0.9289493	1	1409 tags=30%, list=28%, signal=41%
GSE42021_TREG_PLN_VS_CD24HI_TREG_THYMUS_DN	GSE42021_TREG_PLN_VS_C	22	0.23411497	0.7596164	0.8342967	0.9296702	1	445 tags=14%, list=9%, signal=15%
GSE17721_0.5H_VS_24H_PAM3CSK4_BMDC_UP	GSE17721_0.5H_VS_24H_P	30	0.23583643	0.75961596	0.7777778	0.9294807	1	777 tags=20%, list=16%, signal=24%
ADDDA_ERYTHROID_DIFFERENTIATION_BY_HEMIN	ADDDA_ERYTHROID_DIFFER	24	0.24695799	0.75952154	0.8015717	0.9294522	1	623 tags=17%, list=12%, signal=19%
ACTGAAA_MIR_30A_3P_MIR_30E_3P	ACTGAAA_MIR_30A_3P_MIR	51	0.22274746	0.7595208	0.7797271	0.92926276	1	1166 tags=27%, list=23%, signal=35%
GO_REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION	GO_REGULATION_OF_LYMF	50	0.25966662	0.759353	0.73185486	0.92936647	1	828 tags=18%, list=17%, signal=21%
GSE24574_BCL6_HIGH_TH1_VS_THF_CD4_TCELL_DN	GSE24574_BCL6_HIGH_THF	49	0.23722139	0.7591825	0.75396824	0.9294821	1	715 tags=20%, list=14%, signal=24%
GATAAGR_VSGATA_C	GATAAGR_VSGATA_C	112	0.1801803	0.7590436	0.89748204	0.9295037	1	1510 tags=34%, list=30%, signal=48%
GO_POTASSIUM_CHANNEL_REGULATOR_ACTIVITY	GO_POTASSIUM_CHANNEL	15	0.28448495	0.75891346	0.75803405	0.9295474	1	1710 tags=53%, list=34%, signal=81%
GO_REGULATION_OF_MAPK_CASCADE	GO_REGULATION_OF_MAPK	241	0.18445627	0.7587648	0.8230769	0.9295977	1	938 tags=18%, list=19%, signal=21%
BURTON_ADIPOGENESIS_8	BURTON_ADIPOGENESIS_8	32	0.25163642	0.7587167	0.7580645	0.92		

MODULE_497	MODULE_497	20	0.25473315	0.75516313	0.78368795	0.93112016	1	1085	tags=30%, list=22%, signal=38%
GSE6259_BCELL_VS_CD4_TCELL_DN	GSE6259_BCELL_VS_CD4_TC	41	0.21937461	0.7547962	0.7964427	0.93154866	1	1199	tags=24%, list=24%, signal=32%
GSE13887_ACT_CD4_VS_NC	GSE13887_ACT_CD4_VS_NC	43	0.21298417	0.75470966	0.83765123	0.9315165	1	1597	tags=47%, list=32%, signal=68%
GO_REGULATION_OF_NEUROTRANSMITTER_SECRETION	GO_REGULATION_OF_NEUF	18	0.25034043	0.7546769	0.80194175	0.9313813	1	1591	tags=28%, list=32%, signal=41%
TNCATNTCCYR_UNKNOWN	TNCATNTCCYR_UNKNOWN	26	0.24232979	0.754645	0.87356713	0.9312426	1	894	tags=23%, list=18%, signal=28%
GO_OUTER_MEMBRANE	GO_OUTER_MEMBRANE	41	0.21705558	0.7545534	0.8056075	0.9312049	1	386	tags=12%, list=8%, signal=13%
GSE17974_IL4_AND_ANTIL_IL2_VS_UNTREATED_4H_ACT	GSE17974_IL4_AND_ANTIL_I	67	0.17977709	0.754396	0.91497225	0.9312838	1	1267	tags=30%, list=25%, signal=39%
GO_REGULATION_OF_BIOMINERAL_TISSUE_DEVELOPMENT	GO_REGULATION_OF_BIOM	40	0.2432584	0.75412774	0.7972973	0.9315387	1	1416	tags=35%, list=28%, signal=48%
GSE32164_RESTING_DIFFERENTIATED_VS_CMYC_INHIBI	GSE32164_RESTING_DIFFER	69	0.2111959	0.753995	0.7873563	0.93157214	1	1007	tags=20%, list=20%, signal=25%
GSE14350_TREG_VS_TFFF_IL12R2_KO_UP	GSE14350_TREG_VS_TFFF_I	36	0.23538508	0.75369495	0.80473375	0.9318694	1	1003	tags=25%, list=20%, signal=31%
GSE17721_LPS_VS_PAM3CSK4_24H_BMDC_UP	GSE17721_LPS_VS_PAM3CS	33	0.23619509	0.7536291	0.7665996	0.9317954	1	142	tags=9%, list=3%, signal=9%
GSE17186_BLOOD_VS_CORD_BLOOD_NAIVE_BCELL_DN	GSE17186_BLOOD_VS_COR	54	0.20156294	0.75320286	0.8717435	0.93231875	1	872	tags=22%, list=17%, signal=27%
PID_INTEGRIN3_PATHWAY	PID_INTEGRIN3_PATHWAY	19	0.3134895	0.7531715	0.7111111	0.9321852	1	810	tags=32%, list=16%, signal=38%
GO_ENDODERMAL_CELL_DIFFERENTIATION	GO_ENDODERMAL_CELL_DI	19	0.2947062	0.752927	0.7007874	0.9324068	1	1995	tags=53%, list=40%, signal=87%
AFFAR_YV1_TARGETS_UP	AFFAR_YV1_TARGETS_UP	97	0.19450867	0.75264376	0.83653843	0.9326964	1	1007	tags=26%, list=20%, signal=52%
GO_CYTOSOLIC_PART	GO_CYTOSOLIC_PART	27	0.22890663	0.7526059	0.8492063	0.9325713	1	1391	tags=37%, list=28%, signal=51%
GSE3982_DC_VS_NEUTROPHIL_LPS_STIM_DN	GSE3982_DC_VS_NEUTROPI	60	0.19472021	0.7524628	0.86727273	0.93263197	1	1080	tags=23%, list=22%, signal=29%
GTATATAT_MIR-410	GTATATAT_MIR-410	21	0.23734553	0.7523572	0.8148148	0.9326087	1	895	tags=19%, list=18%, signal=23%
MODULE_486	MODULE_486	34	0.22176652	0.7523487	0.8371212	0.9324362	1	745	tags=21%, list=15%, signal=24%
VSP53_DECAMER_Q2	VSP53_DECAMER_Q2	58	0.197063	0.75230604	0.87613845	0.9323194	1	922	tags=17%, list=18%, signal=21%
RYCANCNNRRNRCAG_UNKNOWN	RYCANCNNRRNRCAG_UNK	19	0.24127059	0.7522822	0.8333333	0.9321706	1	1735	tags=47%, list=35%, signal=72%
GSE11884_WT_VS_FURIN_KO_NAIVE_CD4_TCELL_UP	GSE11884_WT_VS_FURIN_K	35	0.21350507	0.751835	0.84200746	0.93271023	1	1910	tags=46%, list=38%, signal=73%
GO_HUMORAL_IMMUNE_RESPONSE	GO_HUMORAL_IMMUNE_R	71	0.22232804	0.75163203	0.7808219	0.9328578	1	213	tags=7%, list=4%, signal=7%
GO_SEQUENCE_SPECIFIC_DNA_BINDING	GO_SEQUENCE_SPECIFIC_D	282	0.16617464	0.7512177	0.8984674	0.9332712	1	894	tags=17%, list=18%, signal=19%
GSE33425_CD161_INT_VS_NEG_CD8_TCELL_DN	GSE33425_CD161_INT_VS_I	5	0.24637562	0.75117767	0.73030675	0.93321747	1	690	tags=21%, list=14%, signal=24%
GSE21927_BALBC_VS_C57BL6_MONOCYTE_SPLEEN_DN	GSE21927_BALBC_VS_C57B	35	0.21301003	0.75108963	0.8368932	0.9331729	1	920	tags=20%, list=18%, signal=24%
GILDEA_METASTASIS	GILDEA_METASTASIS	21	0.27196476	0.7510636	0.77160496	0.93301857	1	1163	tags=33%, list=23%, signal=43%
GSE28737_WT_VS_BCL6_HET_FOLLICULAR_BCELL_DN	GSE28737_WT_VS_BCL6_HE	62	0.23166046	0.75100565	0.75096524	0.93293005	1	709	tags=18%, list=14%, signal=20%
GSE41176_UNSTIM_VS_ANTIGEN_STIM_TAKI_KO_BCEL	GSE41176_UNSTIM_VS_AN	39	0.24730821	0.75075686	0.75342464	0.9331456	1	790	tags=15%, list=16%, signal=18%
KEGG_PATHWAYS_IN_CANCER	KEGG_PATHWAYS_IN_CANC	110	0.18904944	0.7506774	0.81954885	0.9330902	1	919	tags=22%, list=18%, signal=26%
FERRERA_EWINGS_SARCOMA_UNSTABLE_VS_STABLE_I	FERRERA_EWINGS_SARCO	18	0.2591845	0.75037724	0.8241309	0.9334003	1	1293	tags=33%, list=26%, signal=45%
GSE17721_POLYVIC_VS_GARDQUIMOD_0.5H_BMDC_DN	GSE17721_POLYVIC_VS_GAR	30	0.22389087	0.7503692	0.83157897	0.9332283	1	1363	tags=30%, list=27%, signal=41%
KRAS.LUNG.BREAST_UP.V1_DN	KRAS.LUNG.BREAST_UP.V1	64	0.19217888	0.7501316	0.87096775	0.9334311	1	1255	tags=28%, list=25%, signal=37%
TATTATA.MIR-374	TATTATA.MIR-374	89	0.19325004	0.75010574	0.8497217	0.93329245	1	1002	tags=21%, list=20%, signal=26%
GSE11924_TH1_VS_TH2_CD4_TCELL_DN	GSE11924_TH1_VS_TH2_CD	49	0.20385614	0.74988014	0.8661568	0.9334574	1	821	tags=18%, list=16%, signal=22%
HADDAD_B_LYMPHOCTE_PROGENITOR	HADDAD_B_LYMPHOCTE_I	98	0.20869508	0.74977857	0.75445545	0.93343025	1	882	tags=19%, list=18%, signal=23%
MODULE_209	MODULE_209	53	0.23212145	0.74966455	0.75	0.9334202	1	980	tags=25%, list=20%, signal=30%
GO_COATED_VESICLE	GO_COATED_VESICLE	52	0.20138562	0.7496363	0.8290441	0.9332784	1	951	tags=21%, list=19%, signal=26%
GO_ENDOPEPTIDASE_ACTIVITY	GO_ENDOPEPTIDASE_ACTA	126	0.19355135	0.7496228	0.8333333	0.93311405	1	913	tags=20%, list=18%, signal=24%
GSE27241_WT_VS_RORGT_KO_TH17_POLARIZED_CD4_T	GSE27241_WT_VS_RORGT_I	55	0.1998794	0.74961376	0.85507244	0.9329391	1	623	tags=15%, list=12%, signal=16%
SATO_SILENCED_BY_DEACETYLATION_IN_PANCREATIC	SATO_SILENCED_BY_DEACE	23	0.24011447	0.7491918	0.8051181	0.9334549	1	865	tags=26%, list=17%, signal=31%
GSE41176_UNSTIM_VS_ANTIGEN_STIM_BCELL_3H_DN	GSE41176_UNSTIM_VS_AN	44	0.23230557	0.7490286	0.76352704	0.93352735	1	500	tags=16%, list=10%, signal=18%
GSE45739_UNSTIM_VS_ACD3_ACD28_STIM_WT_CD4_T	GSE45739_UNSTIM_VS_A	71	0.21988808	0.748818	0.79275656	0.93369037	1	1423	tags=35%, list=28%, signal=49%
SENSE_HDAC1_AND_HDAC2_TARGETS_DN	SENSE_HDAC1_AND_HDA	122	0.19905855	0.7487243	0.79515827	0.9336507	1	1239	tags=33%, list=25%, signal=43%
GGGNNTTCC_VSNFKB_Q6_01	GGGNNTTCC_VSNFKB_Q6	37	0.24650754	0.74842936	0.7680312	0.9339611	1	1273	tags=32%, list=25%, signal=43%
GSE29949_MICROGLIA_BRAIN_VS_CD8_NEG_DC_SPLEE	GSE29949_MICROGLIA_BRA	64	0.2115756	0.74835634	0.8218391	0.933894	1	978	tags=23%, list=20%, signal=29%
CYCLIN_D1_UP.V1_DN	CYCLIN_D1_UP.V1_DN	61	0.19728924	0.7483369	0.8708487	0.93374157	1	1528	tags=33%, list=31%, signal=47%
GO_POSITIVE_REGULATION_OF_CELL_ADHESION	GO_POSITIVE_REGULATION	149	0.22520976	0.7479487	0.7080868	0.9341905	1	919	tags=17%, list=18%, signal=21%
GO_ALPHA_BETA_T_CELL_DIFFERENTIATION	GO_ALPHA_BETA_T_CELL_D	34	0.30109358	0.74793273	0.7137255	0.9340319	1	36	tags=8%, list=1%, signal=8%
GSE2770_IL4_ACT_VS_ACD_TCELL_6H_UP	GSE2770_IL4_ACT_VS_ACT_I	48	0.21523748	0.7473764	0.78367347	0.9347669	1	662	tags=17%, list=13%, signal=19%
OKUMURA_INFLAMMATORY_RESPONSE_LPS	OKUMURA_INFLAMMATOR	64	0.19711745	0.7473467	0.8655303	0.9346211	1	1056	tags=23%, list=21%, signal=29%
MIKKELSEN_ES_JCP_WITH_H3K4ME3_AND_H3K27ME3	MIKKELSEN_ES_JCP_WITH	64	0.19990306	0.7472241	0.8512241	0.9346458	1	1734	tags=42%, list=35%, signal=64%
MEISSNER_NPC_HCP_WITH_H3K4ME3_AND_H3K27ME3	MEISSNER_NPC_HCP_WITH	67	0.19061793	0.74678713	0.87295824	0.935191	1	1528	tags=34%, list=31%, signal=49%
GO_NEGATIVE_REGULATION_OF_CELLULAR_PROTEIN_I	GO_NEGATIVE_REGULATIO	32	0.23286456	0.74649197	0.8102767	0.9354705	1	1453	tags=38%, list=29%, signal=53%
CHRXQ13	CHRXQ13	18	0.2663555	0.74633735	0.79960316	0.9355224	1	426	tags=17%, list=9%, signal=18%
MARZEC_IL2_SIGNALING_DN	MARZEC_IL2_SIGNALING_D	17	0.2718853	0.74629647	0.7383721	0.9353975	1	1087	tags=24%, list=22%, signal=30%
GSE5099_DAY3_VS_DAY7_MCSF_TREATED_MACROPHA	GSE5099_DAY3_VS_DAY7_I	41	0.25412703	0.746212	0.7358871	0.9353508	1	1118	tags=24%, list=22%, signal=31%
GSE23505_IL6_IL1_IL2_TGFB_TREATED_CD4_TCEL	GSE23505_IL6_IL1_IL2_I	15	0.23155195	0.7458739	0.85119045	0.93567735	1	1032	tags=27%, list=21%, signal=33%
GO_DEVELOPMENTAL_INDUCATION	GO_DEVELOPMENTAL_INDI	15	0.26576915	0.74567443	0.8194175	0.93581367	1	848	tags=27%, list=17%, signal=32%
VSGATA_C	VSGATA_C	81	0.18653508	0.74562806	0.8666667	0.9357027	1	1451	tags=28%, list=29%, signal=39%
GSE4142_NAIVE_VS_MEMORY_BCELL_DN	GSE4142_NAIVE_VS_MEMO	64	0.19525678	0.7454985	0.85480946	0.9357234	1	884	tags=17%, list=18%, signal=21%
GSE22886_NAIVE_BCELL_VS_DN	GSE22886_NAIVE_BCELL_V	39	0.22675897	0.74526775	0.8148148	0.93589866	1	1412	tags=33%, list=28%, signal=46%
GO_PEPIDYLV_TYROSINE_MODIFICATION	GO_PEPIDYLV_TYROSINE_M	62	0.1989161	0.74526495	0.8574074	0.93571573	1	876	tags=21%, list=18%, signal=25%
CHR6Q22	CHR6Q22	23	0.25188094	0.74522847	0.7741935	0.9358866	1	474	tags=22%, list=9%, signal=24%
GSE360_L_DONOVANI_VS_B_MALAYI_HIGH_DOSE_MAC	GSE360_L_DONOVANI_VS_I	63	0.21863382	0.744975	0.7724551	0.9358158	1	718	tags=17%, list=14%, signal=20%
VSHNF3ALPHA_Q6	VSHNF3ALPHA_Q6	79	0.18534731	0.7448606	0.8660551	0.93581	1	1460	tags=32%, list=29%, signal=44%
GO_BLOOD_VESSEL_MORPHOGENESIS	GO_BLOOD_VESSEL_MORPI	140	0.19797039	0.7446995	0.789272	0.93587166	1	911	tags=21%, list=18%, signal=25%
GSE13484_12H_VS_3H_YF17D_VACCINE_STIM_PBMC_U	GSE13484_12H_VS_3H_YF	43	0.21301312	0.7444752	0.8374671	0.9360446	1	593	tags=16%, list=12%, signal=18%
HILLION_HMGA1B_TARGETS	HILLION_HMGA1B_TARGET	32	0.20257569	0.74444467	0.846293	0.93591607	1	1280	tags=28%, list=26%, signal=38%
GAGCCAG.MIR-149	GAGCCAG.MIR-149	24	0.23249562	0.74443203	0.8030888	0.9357539	1	1372	tags=42%, list=27%, signal=57%
GSE17721_LPS_VS_CPG_2H_BMDC_UP	GSE17721_LPS_VS_CPG_2H	68	0.20421846	0.74439657	0.8251473	0.93562055	1	965	tags=22%, list=19%, signal=27%
V5CSBP_Q6	V5CSBP_Q6	101	0.20049599	0.7443544	0.7790476	0.93550515	1	754	tags=13%, list=15%, signal=15%
GSE27786_NKCELL_VS_ERYTHROBLAST_DN	GSE27786_NKCELL_VS_ERY	52	0.19783998	0.7440339	0.88349515	0.93585336	1	1544	tags=35%, list=31%, signal=50%
GO_ER_TO_GOLGI_VESICLE_MEDIATED_TRANSPORT	GO_ER_TO_GOLGI_VESICLE	18	0.26031092	0.74378836	0.8062157	0.93605095	1	1379	tags=44%, list=28%, signal=61%
GO_WATER_HOMEOSTASIS	GO_WATER_HOMEOSTASIS	27	0.24109899	0.7437293	0.81447124	0.93596005	1	845	tags=22%, list=17%, signal=27%
GSE17721_POLYVIC_VS_GARDQUIMOD_8H_BMDC_UP	GSE17721_POLYVIC_VS_GAR	51	0.19787253	0.74367684	0.84200746	0.9358486	1	1596	tags=43%, list=32%, signal=63%
KEGG_ARGININE_AND_PROLINE_METABOLISM	KEGG_ARGININE_AND_PRO	19	0.2523025	0.74363697	0.82330096	0.9356832	1	1108	tags=32%, list=22%, signal=40%
KRAS.KIDNEY_UP.V1_DN	KRAS.KIDNEY_UP.V1_DN	65	0.19000402	0.7435148	0.85465115	0.9357345	1	1476	tags=32%, list=30%, signal=45%
GSE9946_LISTERIA_INF_MATURE_VS_PROSTAGLANDINE	GSE9946_LISTERIA_INF_MA	42	0.21218973	0.7434107	0.863388	0.9357131	1	1383	tags=36%, list=28%, signal=49%
GSE31082_DN_VS_CD4_SP_THYMOCTE_UP	GSE31082_DN_VS_CD4_SP	17	0.24503027	0.74338037	0.82098764	0.9356374	1	654	tags=24%, list=13%, signal=27%
HALLMARK_P53_PATHWAY	HALLMARK_P53_PATHWAY	71	0.19591385	0.7433217	0.8683729	0.9354674	1	854	tags=18%, list=17%, signal=22%
GSE9509_LPS_VS_IL10_STIM_IL10_KO_MACRC	GSE9509_LPS_VS_LPS_AND	95	0.20422089	0.7432148	0.8055556	0.9354458	1	1291	tags=32%, list=26%, signal=42%
JOHNSTONE_PARVB_TARGETS_2_DN	JOHNSTONE_PARVB_TARGI	66	0.2						

GSE12845_NAIVE_VS_PRE_GC_TONSIL_BCELL_UP	GSE12845_NAIVE_VS_PRE_C	42	0.21667956	0.7396837	0.844898	0.9362268	1	1146 tags=26%, list=23%, signal=34%
GSE22140_HEALTHY_VS_ARTHRITIC_GERMFREE_MOUSE1	GSE22140_HEALTHY_VS_AR	62	0.2349877	0.73930264	0.7634855	0.9366351	1	1381 tags=29%, list=28%, signal=40%
GSE2770_UNTREATED_VS_TGFB_AND_IL12_TREATED_AC	GSE2770_UNTREATED_VS_T	52	0.20413202	0.7391056	0.8404669	0.9367485	1	1807 tags=50%, list=36%, signal=77%
MORF_BCL2L11	MORF_BCL2L11	57	0.18920504	0.7388995	0.9089317	0.9368776	1	196 tags=7%, list=4%, signal=7%
GSE17721_LPS_VS_POLYIC_24H_BMDC_DN	GSE17721_LPS_VS_POLYIC_	37	0.22603056	0.7387765	0.8128655	0.9368864	1	638 tags=16%, list=13%, signal=18%
GO_MONOSACCHARIDE_METABOLIC_PROCESS	GO_MONOSACCHARIDE_M	57	0.20055693	0.7386376	0.8409894	0.9369267	1	1687 tags=39%, list=34%, signal=58%
GO_LOCOMOTION	GO_LOCOMOTION	419	0.17496504	0.7384195	0.8376238	0.9370826	1	897 tags=18%, list=18%, signal=20%
GSE22886_NAIVE_TCELL_VS_NEUTROPHIL_UP	GSE22886_NAIVE_TCELL_VS	17	0.2846392	0.7383859	0.73239434	0.9369505	1	139 tags=12%, list=3%, signal=12%
GSE22886_NAIVE_BCELL_VS_BM_PLASMA_CELL_DN	GSE22886_NAIVE_BCELL_VS	45	0.20483851	0.73831695	0.84761906	0.93687296	1	213 tags=9%, list=4%, signal=9%
GSE46606_IRF4HIGH_VS_IRF4MCD_CD40_IL2_IL5_DAV3	GSE46606_IRF4HIGH_VS_IRI	53	0.2001821	0.73817754	0.8245614	0.9369808	1	719 tags=17%, list=14%, signal=20%
GSE16385_UNTREATED_VS_12H_IFNG_TNF_TREATED_M	GSE16385_UNTREATED_VS	42	0.20369706	0.73736804	0.8376384	0.93800247	1	1342 tags=24%, list=27%, signal=32%
GSE37416_CTRL_VS_24H_IL_TULARENSIS_VS_NEUTROP	GSE37416_CTRL_VS_24H_F_	46	0.22635388	0.7370359	0.77734375	0.93834066	1	1165 tags=28%, list=23%, signal=37%
MARTENS_BOUND_BY_PML_RARA_FUSION	MARTENS_BOUND_BY_PML	93	0.20647554	0.73700055	0.77755904	0.93821272	1	1516 tags=37%, list=30%, signal=51%
GSE45365_WT_VS_IFNAR_CD8A_DC_MCMV_INFECT	GSE45365_WT_VS_IFNAR_K	69	0.1913171	0.73697746	0.8896926	0.9380571	1	899 tags=20%, list=18%, signal=24%
GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_4MON	GSE9006_HEALTHY_VS_TYP	28	0.22776642	0.73685586	0.84540117	0.93805814	1	498 tags=14%, list=10%, signal=16%
GSE30083_SP1_VS_SP2_THYMOCYTE_UP	GSE30083_SP1_VS_SP2_THY	67	0.18212597	0.7367664	0.9053255	0.9380015	1	854 tags=21%, list=17%, signal=25%
GSE16451_CTRL_VS_WEST_EQUINE_ENR_VIRUS_MATUR	GSE16451_CTRL_VS_WEST_J	63	0.20955284	0.73643124	0.8110236	0.938337	1	453 tags=14%, list=9%, signal=16%
BRIDEAU_IMPRINTED_GENES	BRIDEAU_IMPRINTED_GENES	26	0.26889808	0.73636794	0.81589144	0.938248	1	633 tags=19%, list=13%, signal=22%
GSE27786_CD4_TCELL_VS_NKTCELL_DN	GSE27786_CD4_TCELL_VS_P	33	0.23031525	0.7360734	0.8187251	0.93851227	1	1147 tags=27%, list=23%, signal=35%
GO_LIPID_BIOSYNTHETIC_PROCESS	GO_LIPID_BIOSYNTHETIC_P	155	0.17127645	0.735557	0.92164177	0.93913025	1	1326 tags=26%, list=27%, signal=34%
VSCRX_Q4	VSCRX_Q4	95	0.17634925	0.7355275	0.91906476	0.93898606	1	944 tags=21%, list=19%, signal=25%
GSE46606_IRF4_KO_VS_WT_CD40_IL2_IL5_1DAY_STIML	GSE46606_IRF4_KO_VS_WT_	65	0.1940047	0.73527324	0.875969	0.9392074	1	951 tags=22%, list=19%, signal=26%
GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_KI	GSE30971_CTRL_VS_LPS_ST	73	0.20913833	0.7348924	0.77307695	0.939629	1	1412 tags=29%, list=28%, signal=40%
GSE17721_PAM3CSK4_VS_CPG_24H_BMDC_DN	GSE17721_PAM3CSK4_VS_C	56	0.2058494	0.73483986	0.8333333	0.9395252	1	411 tags=11%, list=8%, signal=12%
GSE12366_NAIVE_VS_MEMORY_BCELL_UP	GSE12366_NAIVE_VS_MEMI	62	0.21404436	0.73433536	0.78294575	0.9401088	1	974 tags=18%, list=19%, signal=22%
KEGG_STARCH_AND_SUCROSE_METABOLISM	KEGG_STARCH_AND_SUCR	19	0.28139377	0.7341012	0.7685009	0.9402717	1	1507 tags=42%, list=30%, signal=60%
GSE39152_BRAIN_VS_SPLEEN_CD103_NEG_MEMORY_C	GSE39152_BRAIN_VS_SPLEE	47	0.22075026	0.7334382	0.7854478	0.9411095	1	1041 tags=26%, list=21%, signal=32%
VSCOREBINDINGFACTOR_Q6	VSCOREBINDINGFACTOR_Q	97	0.20465066	0.73336375	0.8	0.94104123	1	434 tags=11%, list=10%, signal=12%
GSE3982_BCELL_VS_CENT_MEMORY_CD4_TCELL_DN	GSE3982_BCELL_VS_CENT_J	80	0.19774471	0.7331638	0.8417969	0.9411572	1	1215 tags=24%, list=24%, signal=33%
GSE22611_NOD2_TRANSDUCECD_VS_CTRL_HEK293T_STI	GSE22611_NOD2_TRANSDU	37	0.24197654	0.7327752	0.74493927	0.9415405	1	1342 tags=24%, list=27%, signal=31%
GSE12845_PRE_GC_DARK_ZONE_GC_TONSIL_BCELL_1	GSE12845_PRE_GC_VS_DAR	65	0.23727733	0.7327562	0.74693877	0.9413841	1	253 tags=9%, list=5%, signal=10%
GSE17974_CTRL_VS_ACT_IL4_AND_ANTIT_IL12_4H_CD4_1	GSE17974_CTRL_VS_ACT_IL	59	0.20578873	0.73268455	0.8517786	0.94130844	1	1511 tags=31%, list=30%, signal=43%
GO_HORMONE_ACTIVITY	GO_HORMONE_ACTIVITY	53	0.20447245	0.7325474	0.8598616	0.9413225	1	1130 tags=21%, list=23%, signal=27%
GO_METALLOENDOPEPTIDASE_ACTIVITY	GO_METALLOENDOPEPTID	36	0.23060402	0.7323771	0.778	0.94139457	1	1699 tags=39%, list=34%, signal=58%
GSE13762_CTRL_VS_125_VITAMIND_DAY12_DC_DN	GSE13762_CTRL_VS_125_VT	40	0.21062021	0.7323396	0.8818011	0.9412626	1	1162 tags=22%, list=23%, signal=29%
VSRIF_Q6	VSRIF_Q6	85	0.208511	0.73223126	0.8075397	0.9412415	1	736 tags=18%, list=15%, signal=20%
GO_FATTY_ACID_TRANSPORT	GO_FATTY_ACID_TRANSPOR	23	0.2485922	0.73197514	0.82258064	0.9414412	1	1162 tags=22%, list=23%, signal=29%
GSE19198_1H_VS_24H_IL21_TREATED_TCELL_UP	GSE19198_1H_VS_24H_IL21	63	0.22070062	0.7318733	0.79324565	0.9414189	1	736 tags=18%, list=15%, signal=20%
GSE25087_TREG_VS_TCONV_ADULT_DN	GSE25087_TREG_VS_TCONV	49	0.2052622	0.7317285	0.82708335	0.94146216	1	865 tags=21%, list=17%, signal=25%
DELASERNA_MYOD_TARGETS_DN	DELASERNA_MYOD_TARGE	20	0.2491976	0.7317273	0.83572894	0.94127804	1	1536 tags=37%, list=31%, signal=53%
GSE17721_POLYIC_VS_CPG_0.5H_BMDC_DN	GSE17721_POLYIC_VS_CPG	41	0.21428385	0.7315921	0.86012524	0.94129336	1	678 tags=25%, list=14%, signal=29%
MODULE_151	MODULE_151	31	0.22360429	0.73157054	0.79562044	0.9411401	1	1408 tags=32%, list=28%, signal=44%
GSE40274_CTRL_VS_LEFLI_TRANSDUCECD_ACTIVATED_CI	GSE40274_CTRL_VS_LEFLI_T	95	0.21251431	0.7315385	0.8086785	0.9409978	1	830 tags=19%, list=17%, signal=23%
GO_AMINOGLYCAN_CATABOLIC_PROCESS	GO_AMINOGLYCAN_CATAB	29	0.24641661	0.73139226	0.73814434	0.94104767	1	1262 tags=25%, list=25%, signal=34%
GSE19374_UNINF_VS_LISTERIA_INFECTED_MACROPHAG	GSE19374_UNINF_VS_LISTE	61	0.19066463	0.7312975	0.8728972	0.9410243	1	995 tags=28%, list=20%, signal=34%
GSE3982_DC_VS_EFF_MEMORY_CD4_TCELL_UP	GSE3982_DC_VS_EFF_MEM	61	0.20659108	0.7312278	0.84732825	0.94087046	1	1195 tags=26%, list=24%, signal=33%
GO_OOCYTE_DIFFERENTIATION	GO_OOCYTE_DIFFERENTIAT	17	0.26224667	0.7307008	0.8156863	0.94154906	1	1375 tags=30%, list=28%, signal=40%
GO_VASCULAR_PROCESS_IN_CIRCULATORY_SYSTEM	GO_VASCULAR_PROCESS_JI	62	0.2094843	0.73064214	0.8317215	0.9414653	1	741 tags=24%, list=15%, signal=28%
GSE15330_LYMPHOID_MULTIPOTENT_VS_GRANULOCY	GSE15330_LYMPHOID_MUL	46	0.21183167	0.73062307	0.832999	0.9413048	1	720 tags=18%, list=14%, signal=20%
GSE37605_FOXP3_FUSION_GFP_VS_IRES_GFP_TREG_CS	GSE37605_FOXP3_FUSION_	66	0.21616702	0.72990763	0.7734375	0.9421934	1	386 tags=11%, list=8%, signal=12%
REACTOME_CLASS_A1_RHODOPSDIN_LIKE_RECEPTORS	REACTOME_CLASS_A1_RHC	118	0.19668445	0.7296282	0.8142857	0.9424295	1	1827 tags=44%, list=37%, signal=68%
GO_REGULATION_OF_NEUROTRANSMITTER_TRANSPOR	GO_REGULATION_OF_NEUF	21	0.2383141	0.7295833	0.8230769	0.9423207	1	778 tags=16%, list=16%, signal=19%
MARTENS_TRETINOIN_RESPONSE_UP	MARTENS_TRETINOIN_RESF	280	0.16562779	0.72954226	0.9182609	0.94220304	1	650 tags=14%, list=13%, signal=16%
VSPAX4_Q4	VSPAX4_Q4	75	0.20823023	0.7294985	0.8365019	0.94208366	1	1334 tags=28%, list=27%, signal=35%
GSE26030_TH1_VS_TH17_DAYS_POST_POLARIZATION_I	GSE26030_TH1_VS_TH17_D	34	0.22766931	0.7294429	0.8356164	0.94198406	1	1823 tags=41%, list=36%, signal=64%
GSE17721_POLYIC_VS_GARDIQUIMOD_16H_BMDC_DN	GSE17721_POLYIC_VS_GARI	31	0.20626521	0.72940123	0.8899804	0.94185746	1	734 tags=18%, list=15%, signal=21%
MORF_IFNA1	MORF_IFNA1	71	0.19979294	0.7293895	0.87410074	0.94169044	1	268 tags=10%, list=5%, signal=10%
GSE21670_UNTREATED_VS_TGFB_TREATED_STAT3_KO_	GSE21670_UNTREATED_VS_	62	0.22580391	0.7293569	0.77924526	0.9415488	1	1159 tags=25%, list=23%, signal=33%
GNF2_KISS1	GNF2_KISS1	26	0.2476936	0.7293568	0.8003328	0.9413639	1	579 tags=15%, list=12%, signal=16%
GSE23925_LIGHT_ZONE_VS_NAIVE_BCELL_UP	GSE23925_LIGHT_ZONE_VS	64	0.21370809	0.7293472	0.8114754	0.9411937	1	1083 tags=27%, list=22%, signal=34%
GO_REGULATION_OF_ALPHA_BETA_T_CELL_ACTIVATION	GO_REGULATION_OF_ALPH	27	0.28712827	0.7291769	0.7380952	0.9412633	1	905 tags=19%, list=18%, signal=23%
YNTTTNNANGCARM_UNKNOOWN	YNTTTNNANGCARM_UNK	24	0.23657282	0.7291362	0.8495575	0.9411402	1	283 tags=11%, list=6%, signal=12%
VSNCX_Q1	VSNCX_Q1	58	0.20140997	0.72832245	0.8602541	0.94218975	1	513 tags=13%, list=10%, signal=14%
GO_PHOSPHATIDYLINOSITOL_KINASE_ACTIVITY	GO_PHOSPHATIDYLINOSIT	16	0.2636369	0.7281419	0.825188	0.9422762	1	1330 tags=26%, list=27%, signal=35%
CCTGTGA-MIR-513	CCTGTGA-MIR-513	29	0.22471462	0.72801256	0.82600385	0.94229347	1	1567 tags=44%, list=31%, signal=64%
GO_NUCLEOSIDE_PHOSPHATE_BIOSYNTHETIC_PROCES	GO_NUCLEOSIDE_PHOSPH	44	0.20097966	0.7279307	0.8687259	0.9422342	1	1523 tags=38%, list=30%, signal=54%
MORF_MDM2	MORF_MDM2	92	0.18234067	0.7279228	0.88987565	0.9420604	1	580 tags=14%, list=12%, signal=15%
GO_MONOCARBOXYLIC_ACID_BINDING	GO_MONOCARBOXYLIC_AC	27	0.22437298	0.7275481	0.84408605	0.9423306	1	1102 tags=22%, list=22%, signal=27%
GO_REGULATION_OF_GIUGENESIS	GO_REGULATION_OF_GIUCO	35	0.22716283	0.72746944	0.8173432	0.94236463	1	572 tags=19%, list=11%, signal=21%
GO_RESPONSE_TO_PROGESTERONE	GO_RESPONSE_TO_PROGES	25	0.23229523	0.72735524	0.8326848	0.94235003	1	243 tags=9%, list=5%, signal=9%
GSE1740_UNSTIM_VS_IFNA_STIMULATED_MCSF_DERIVI	GSE1740_UNSTIM_VS_IFNA	48	0.19329801	0.72715545	0.87777776	0.94246143	1	1651 tags=44%, list=33%, signal=65%
GO_EPITHELIAL_TO_MESENCHYMAL_TRANSITION	GO_EPITHELIAL_TO_MESEN	25	0.23016223	0.7271186	0.7949219	0.9423278	1	1142 tags=23%, list=23%, signal=29%
GO_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_PAIR	GO_OXIDOREDUCTASE_AC	56	0.20188715	0.726843	0.8349328	0.94255954	1	1190 tags=32%, list=24%, signal=42%
GSE13411_SWITCHED_MEMORY_BCELL_VS_PLASMA_CE	GSE13411_SWITCHED_MEM	33	0.2337565	0.72679913	0.79640716	0.94245017	1	1550 tags=34%, list=31%, signal=49%
GSE17721_CTRL_VS_LPS_6H	GSE17721_CTRL_VS_LPS_6H	61	0.19427372	0.72655207	0.87931037	0.9426291	1	700 tags=21%, list=14%, signal=25%
GSE27786_NKTCCELL_VS_MONO_MAC_UP	GSE27786_NKTCCELL_VS_MC	19	0.23940589	0.72651875	0.8212851	0.94249463	1	880 tags=18%, list=18%, signal=22%
GO_RESPONSE_TO_INSULIN	GO_RESPONSE_TO_INSULIN	68	0.1866931	0.726388	0.87884617	0.94250053	1	985 tags=26%, list=20%, signal=33%
GSE26156_DOUBLE_POSITIVE_VS_CD4_SINGLE_POSITIV	GSE26156_DOUBLE_POSITIV	53	0.22171894	0.7261019	0.78313255	0.94273585	1	1367 tags=32%, list=27%, signal=44%
VSAHR_Q1	VSAHR_Q1	16	0.25180736	0.7260745	0.81606764	0.942598	1	414 tags=15%, list=8%, signal=16%
GSE9946_MATURE_STIMULATORY_VS_LISTERIA_INF_MA	GSE9946_MATURE_STIMUL	56	0.18707241	0.7259906	0.906422	0.9425342	1	1598 tags=50%, list=32%, signal=73%
GO_MUSCLE_CELL_DIFFERENTIATION	GO_MUSCLE_CELL_DIFFERE	84	0.18369778	0.72566736	0.90363634	0.94283986	1	1383 tags=29%, list=28%, signal=39%
GSE25087_TREG_VS_TCONV_FETUS_UP	GSE25087_TREG_VS_TCONV	66	0.2006388	0.72540975	0.8609524	0.94303656	1	1113 tags=25%, list=22%, signal=32%
GSE15659_CD45RA_NEG_CD4_TCELL_VS_RESTING_TREG	GSE15659_CD45RA_NEG_CI	49	0.19817072	0.72537255	0.89836663	0.9429129	1	870 tags=20%, list=17%, signal=24%
GSE3982_NKCELL_VS_TH2_UP	GSE3982_NKCELL_VS_TH2_I	64	0.19842725	0.7251741	0.8557505	0.94302183	1	854 tags=20%, list=17%, signal=24%
GSE43700_UNTREATED_VS_IL10_TREATED_PBMC_DN	GSE43700_UNTREATED_VS	55	0.20050678	0.7251				

TGCAAC_MIR-452	TGCAAC_MIR-452	33	0.22787324	0.72268283	0.8207547	0.9422949	1	826	tags=21%, list=17%, signal=25%
GCM_RING1	GCM_RING1	6	0.21247468	0.7226702	0.8496377	0.9421281	1	1531	tags=36%, list=31%, signal=50%
GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_16H_UP_CAR_IGFBP1	GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_16H_UP_CAR_IGFBP1	16	0.25004905	0.72241753	0.8278008	0.94232225	1	777	tags=25%, list=16%, signal=30%
YTAATTA_VSLHX3_01	YTAATTA_VSLHX3_01	24	0.24996663	0.72197384	0.80784315	0.9427864	1	2067	tags=58%, list=41%, signal=99%
CHRIQ23	CHRIQ23	67	0.1973575	0.7218019	0.8379885	0.94284713	1	881	tags=19%, list=18%, signal=23%
GSE3920_IFNA_VS_IFNG_TREATED_FIBROBLAST_DN	GSE3920_IFNA_VS_IFNG_TREATED_FIBROBLAST_DN	28	0.2396674	0.7216538	0.7952286	0.94287515	1	1026	tags=32%, list=21%, signal=40%
GSE37532_WT_VS_PPARG_KO_LN_TCONV_UP	GSE37532_WT_VS_PPARG_KO_LN_TCONV_UP	67	0.180661	0.72162724	0.8975913	0.9427362	1	924	tags=21%, list=18%, signal=25%
DIRMIEP_LMP1_RESPONSE_EARLY	DIRMIEP_LMP1_RESPONSE_EARLY	55	0.2247352	0.721398	0.7964427	0.94281176	1	1084	tags=27%, list=22%, signal=34%
FIGUEROA_AML_METHYLATION_CLUSTER_2_UP	FIGUEROA_AML_METHYLATION_CLUSTER_2_UP	22	0.26953003	0.72118115	0.7644628	0.94302243	1	1093	tags=27%, list=22%, signal=35%
GSE37605_C57BL6_VS_NOX_FUSION_GFP_TREG	GSE37605_C57BL6_VS_NOX_FUSION_GFP_TREG	17	0.24543074	0.7208346	0.8553459	0.9433654	1	887	tags=24%, list=18%, signal=29%
GSE3982_MAST_CELL_VS_BASOPHIL_UP	GSE3982_MAST_CELL_VS_BASOPHIL_UP	64	0.20182188	0.72082716	0.826	0.9431949	1	862	tags=22%, list=17%, signal=26%
GO_PROTEIN_SELF_ASSOCIATION	GO_PROTEIN_SELF_ASSOCIATION	47	0.20240805	0.7206967	0.851145	0.9431988	1	1879	tags=49%, list=38%, signal=78%
GSE40666_UNTREATED_VS_IFNA_STIM_STAT1_KO_CD8	GSE40666_UNTREATED_VS_IFNA_STIM_STAT1_KO_CD8	33	0.21171454	0.7205082	0.8774704	0.9430156	1	540	tags=15%, list=11%, signal=17%
REACTOME_METABOLISM_OF_PROTEINS	REACTOME_METABOLISM_OF_PROTEINS	15	0.25082067	0.720485	0.8565737	0.9431551	1	1063	tags=33%, list=21%, signal=42%
GSE37301_MULTIPOTENT_PROGENITOR_VS_COMMON	GSE37301_MULTIPOTENT_PROGENITOR_VS_COMMON	77	0.20058092	0.7201591	0.8292181	0.9434569	1	681	tags=17%, list=14%, signal=19%
GSE24634_TFFF_VS_TCONV_DAYS_IN_CULTURE_DN	GSE24634_TFFF_VS_TCONV_DAYS_IN_CULTURE_DN	49	0.20934649	0.7201421	0.8464223	0.943298	1	507	tags=16%, list=10%, signal=18%
MCBRYAN_PUBERTAL_BREAST_S_6WK_DN	MCBRYAN_PUBERTAL_BREAST_S_6WK_DN	40	0.20540692	0.7201324	0.89349115	0.94312453	1	388	tags=13%, list=8%, signal=13%
GO_INTRINSIC_COMPONENT_OF_ENDOPLASMIC_RETICULUM	GO_INTRINSIC_COMPONENT_OF_ENDOPLASMIC_RETICULUM	45	0.2504194	0.72011495	0.74007934	0.9429668	1	1087	tags=27%, list=22%, signal=34%
GSE16385_UNTREATED_VS_12H_ROSILIGLITAZONE_TREA	GSE16385_UNTREATED_VS_12H_ROSILIGLITAZONE_TREA	29	0.23157048	0.72008103	0.8489066	0.9428297	1	595	tags=17%, list=12%, signal=19%
VSOCT1_Q6	VSOCT1_Q6	28	0.22906025	0.7197304	0.794971	0.9431663	1	1293	tags=25%, list=26%, signal=34%
GSE17721_PAM3CSK4_VS_CPG_24H_BMDC_DN	GSE17721_PAM3CSK4_VS_CPG_24H_BMDC_DN	60	0.18664427	0.7195985	0.90363634	0.9431845	1	1385	tags=28%, list=28%, signal=39%
CROONQUIST_NRAS_SIGNIF	CROONQUIST_NRAS_SIGNIF	102	0.17491765	0.71954465	0.94666666	0.94307834	1	1347	tags=28%, list=27%, signal=38%
LIM_MAMMARY_STEM_CELL_UP	LIM_MAMMARY_STEM_CELL_UP	45	0.20770226	0.7195193	0.8523622	0.9429386	1	1524	tags=40%, list=30%, signal=57%
GSE2770_IL12_VS_TGFB_AND_IL12_TREATED_ACT_CD4	GSE2770_IL12_VS_TGFB_AND_IL12_TREATED_ACT_CD4	22	0.27359748	0.71925575	0.7450199	0.94312084	1	1108	tags=23%, list=22%, signal=28%
GSE14000_TRANSLATED_RNA_VS_MRNA_16H_LPS_DC	GSE14000_TRANSLATED_RNA_VS_MRNA_16H_LPS_DC	229	0.21816953	0.71912247	0.75	0.94311726	1	1193	tags=27%, list=24%, signal=34%
GSE17301_IFNA2_VS_IFNA5_STIM_ACD3_ACD28_ACT_C	GSE17301_IFNA2_VS_IFNA5_STIM_ACD3_ACD28_ACT_C	60	0.18588966	0.71897877	0.9001957	0.9431406	1	1554	tags=40%, list=31%, signal=54%
ROSS_AML_OF_FAB_M7_TYPE	ROSS_AML_OF_FAB_M7_TYPE	45	0.19095308	0.7189266	0.89033455	0.9430326	1	1248	tags=27%, list=25%, signal=35%
GO_CELLULAR_RESPONSE_TO_INORGANIC_SUBSTANCE	GO_CELLULAR_RESPONSE_TO_INORGANIC_SUBSTANCE	43	0.22785611	0.7188533	0.7841584	0.942965	1	1349	tags=33%, list=27%, signal=44%
ZHAN_MULTIPLE_MYOELOMA_CD1_AND_CD2_UP	ZHAN_MULTIPLE_MYOELOMA_CD1_AND_CD2_UP	26	0.21552177	0.71836907	0.8792079	0.9434857	1	891	tags=19%, list=18%, signal=23%
GSE37301_HEMATOPOIETIC_STEM_CELL_VS_PRO_BCELL	GSE37301_HEMATOPOIETIC_STEM_CELL_VS_PRO_BCELL	55	0.19637683	0.717762	0.86614174	0.9441744	1	1375	tags=25%, list=28%, signal=35%
GSE17580_UNINFECTED_VS_S_MANSONI_INF_TFFF_DN	GSE17580_UNINFECTED_VS_S_MANSONI_INF_TFFF_DN	18	0.23993097	0.7174812	0.8643411	0.94438845	1	368	tags=11%, list=7%, signal=12%
GO_CELL_CELL_ADHESION	GO_CELL_CELL_ADHESION	56	0.19692917	0.7174113	0.90135396	0.9443095	1	645	tags=14%, list=13%, signal=16%
GSE17301_CTRL_VS_48H_IFNA2_STIM_CD8_TCELL_UP	GSE17301_CTRL_VS_48H_IFNA2_STIM_CD8_TCELL_UP	67	0.214829	0.71730953	0.78340083	0.9442757	1	728	tags=16%, list=15%, signal=19%
DELPUCH_FOXO3_TARGETS_UP	DELPUCH_FOXO3_TARGETS_UP	245	0.18593587	0.7172618	0.79310346	0.9441656	1	1068	tags=20%, list=21%, signal=25%
GSE40666_NAIVE_VS_EFFECTOR_CD8_TCELL_WITH_IFN	GSE40666_NAIVE_VS_EFFECTOR_CD8_TCELL_WITH_IFN	40	0.24221097	0.7171483	0.77698004	0.9441504	1	541	tags=15%, list=11%, signal=17%
GSE28449_WT_VS_LRF_KO_GERMINAL_CENTER_BCELL_I	GSE28449_WT_VS_LRF_KO_GERMINAL_CENTER_BCELL_I	36	0.2070779	0.71709293	0.8729839	0.9440494	1	872	tags=19%, list=17%, signal=23%
CYCLIN_D1_KE_V1_DN	CYCLIN_D1_KE_V1_DN	58	0.19264345	0.71675557	0.84501845	0.9443584	1	1221	tags=24%, list=24%, signal=32%
REACTOME_TRANSCRIPTIONAL_REGULATION_OF_WHITE	REACTOME_TRANSCRIPTIONAL_REGULATION_OF_WHITE	86	0.18097226	0.71659607	0.92349726	0.94441724	1	690	tags=16%, list=14%, signal=19%
DORN_ADENOVIRUS_INFECTION_48HR_DN	DORN_ADENOVIRUS_INFECTION_48HR_DN	74	0.19248877	0.7164467	0.875	0.94444674	1	1443	tags=30%, list=29%, signal=41%
GSE1925_CTRL_VS_24H_IFNG_STIM_MACROPHAGE_UP	GSE1925_CTRL_VS_24H_IFNG_STIM_MACROPHAGE_UP	21	0.26800308	0.7163433	0.7527881	0.9444164	1	1353	tags=35%, list=28%, signal=49%
GSE30083_SP2_VS_SP4_THYMOCYTE_DN	GSE30083_SP2_VS_SP4_THYMOCYTE_DN	17	0.26350575	0.7162144	0.81904763	0.94442	1	828	tags=28%, list=17%, signal=33%
GO_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_CH_OH	GO_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_CH_OH	55	0.22535117	0.7160964	0.75936884	0.9442239	1	332	tags=11%, list=7%, signal=12%
GSE22886_IJGM_MEMORY_BCELL_VS_BLOOD_PLASMA_C	GSE22886_IJGM_MEMORY_BCELL_VS_BLOOD_PLASMA_C	80	0.22546571	0.71603423	0.7407407	0.9441293	1	920	tags=19%, list=18%, signal=23%
GO_LOCALIZATION_OF_CELL	GO_LOCALIZATION_OF_CELL	55	0.1897904	0.7155167	0.89028776	0.94468415	1	1768	tags=45%, list=35%, signal=70%
GO_CELL_MOTILITY	GO_CELL_MOTILITY	68	0.1844062	0.71544385	0.92896175	0.94460577	1	722	tags=15%, list=14%, signal=17%
GO_MULTICELLULAR_ORGANISMAL_HOMEOSTASIS	GO_MULTICELLULAR_ORGANISMAL_HOMEOSTASIS	330	0.17205276	0.7152262	0.8664047	0.94475096	1	897	tags=18%, list=18%, signal=20%
VSR1_Q2	VSR1_Q2	330	0.17205276	0.71522576	0.8664047	0.9445697	1	897	tags=18%, list=18%, signal=20%
GO_RESPONSE_TO_OSMOTIC_STRESS	GO_RESPONSE_TO_OSMOTIC_STRESS	92	0.18184012	0.71515614	0.9249531	0.9444865	1	1046	tags=22%, list=21%, signal=27%
GSE10325_CD4_TCELL_VS_MYELOID_UP	GSE10325_CD4_TCELL_VS_MYELOID_UP	72	0.18262805	0.7149352	0.9109849	0.9446167	1	405	tags=10%, list=8%, signal=10%
VSRF_Q4	VSRF_Q4	72	0.18262805	0.7149352	0.9109849	0.9446167	1	405	tags=10%, list=8%, signal=10%
GO_CALCIUM_ION_TRANSMEMBRANE_IMPORT_INT	GO_CALCIUM_ION_TRANSMEMBRANE_IMPORT_INT	20	0.2661623	0.7143605	0.77756286	0.9446803	1	563	tags=15%, list=11%, signal=17%
GO_CALCIUM_ION_IMPORT_INTO_CYTOSOL	GO_CALCIUM_ION_IMPORT_INTO_CYTOSOL	20	0.2661623	0.7143605	0.77756286	0.9446803	1	563	tags=15%, list=11%, signal=17%
VSCACBINDINGPROTEIN_Q6	VSCACBINDINGPROTEIN_Q6	60	0.18269995	0.7141967	0.9052823	0.94456744	1	1354	tags=28%, list=27%, signal=38%
GO_MYELOID_CELL_HOMEOSTASIS	GO_MYELOID_CELL_HOMEOSTASIS	70	0.20398822	0.714009	0.851272	0.94465274	1	10	tags=4%, list=0%, signal=4%
GSE5589_WT_VS_IL10_KO_LPS_AND_IL6_STIM_MACRO	GSE5589_WT_VS_IL10_KO_LPS_AND_IL6_STIM_MACRO	57	0.17831962	0.7138324	0.9168242	0.9447199	1	1605	tags=33%, list=32%, signal=49%
GSE34156_NOD2_LIGAND_VS_NOD2_AND_TLR1_TLR2_I	GSE34156_NOD2_LIGAND_VS_NOD2_AND_TLR1_TLR2_I	26	0.21659596	0.7137334	0.85528526	0.9446789	1	1213	tags=31%, list=24%, signal=40%
MEISSNER_NPC_HCP_WITH_H3_UNMETHYLATED	MEISSNER_NPC_HCP_WITH_H3_UNMETHYLATED	219	0.16191143	0.7137243	0.96497375	0.94450545	1	927	tags=18%, list=19%, signal=21%
GO_REGULATION_OF_CARDIAC_MUSCLE_TISSUE_DEVE	GO_REGULATION_OF_CARDIAC_MUSCLE_TISSUE_DEVE	20	0.25329608	0.71358967	0.8158379	0.944524	1	876	tags=20%, list=18%, signal=24%
KEGG_SMALL_CELL_LUNG_CANCER	KEGG_SMALL_CELL_LUNG_CANCER	26	0.22545087	0.7135198	0.81891346	0.9444384	1	822	tags=19%, list=16%, signal=23%
GSE33424_CD161_HIGH_VS_NEG_CD8_TCELL_UP	GSE33424_CD161_HIGH_VS_NEG_CD8_TCELL_UP	53	0.24018705	0.71338377	0.71146244	0.94443625	1	938	tags=23%, list=19%, signal=28%
GSE25088_CTRL_VS_IL4_STIM_STAT6_KO_MACROPHAG	GSE25088_CTRL_VS_IL4_STIM_STAT6_KO_MACROPHAG	63	0.1900868	0.71332085	0.87819254	0.9443436	1	1581	tags=35%, list=32%, signal=50%
GSE15330_HSC_VS_PRO_BCELL_UP	GSE15330_HSC_VS_PRO_BCELL_UP	36	0.22199775	0.71322894	0.8295019	0.94429547	1	951	tags=17%, list=19%, signal=20%
MORF_PRKCA	MORF_PRKCA	60	0.19178902	0.7132073	0.8842676	0.94414306	1	1102	tags=25%, list=22%, signal=32%
GSE10239_NAIVE_VS_KLRG1HIGH_EFF_CD8_TCELL_UP	GSE10239_NAIVE_VS_KLRG1HIGH_EFF_CD8_TCELL_UP	51	0.21524806	0.7132061	0.79844964	0.9439637	1	298	tags=10%, list=6%, signal=10%
GO_SINGLE_ORGANISM_BEHAVIOR	GO_SINGLE_ORGANISM_BEHAVIOR	132	0.17472212	0.7131173	0.94265234	0.9439028	1	1702	tags=37%, list=34%, signal=55%
PRC2_EED_UP_V1_UP	PRC2_EED_UP_V1_UP	73	0.17978607	0.7130858	0.9310928	0.94377	1	1395	tags=29%, list=28%, signal=39%
GSE8621_UNSTIM_VS_LPS_PRIMED_UNSTIM_MACRO	GSE8621_UNSTIM_VS_LPS_PRIMED_UNSTIM_MACRO	34	0.19295564	0.71307313	0.88663965	0.94360995	1	984	tags=21%, list=20%, signal=25%
GSE14415_ACT_TCONV_VS_ACT_NATURAL_TREG_UP	GSE14415_ACT_TCONV_VS_ACT_NATURAL_TREG_UP	55	0.19684984	0.7127995	0.8582524	0.9437938	1	1058	tags=24%, list=21%, signal=30%
GSE9988_LPS_VS_AND_ANT1_TREM1_MONOCYTE_I	GSE9988_LPS_VS_AND_ANT1_TREM1_MONOCYTE_I	53	0.19437996	0.71242887	0.8844697	0.94412	1	342	tags=9%, list=7%, signal=10%
BAUS_TFF2_TARGETS_UP	BAUS_TFF2_TARGETS_UP	17	0.23705073	0.7120272	0.75992066	0.9444355	1	1012	tags=24%, list=20%, signal=29%
RAGHAVACHARI_PLATELET_SPECIFIC_GEM	RAGHAVACHARI_PLATELET_SPECIFIC_GEM	26	0.22824116	0.71205306	0.84362936	0.94427866	1	1706	tags=50%, list=34%, signal=76%
GSE19941_UNSTIM_VS_LPS_AND_IL10_STIM_IL10_KO_V	GSE19941_UNSTIM_VS_LPS_AND_IL10_STIM_IL10_KO_V	68	0.20083684	0.7120043	0.8605578	0.9441683	1	1447	tags=40%, list=29%, signal=55%
GO_SECOND_MESSENGER_MEDIATED_SIGNALING	GO_SECOND_MESSENGER_MEDIATED_SIGNALING	68	0.19486673	0.71199816	0.8704762	0.9439957	1	1384	tags=32%, list=28%, signal=44%
GSE21033_CTRL_VS_POLYIC_STIM_DC_3H_DN	GSE21033_CTRL_VS_POLYIC_STIM_DC_3H_DN	20	0.23472074	0.711963	0.84431136	0.9438621	1	1793	tags=55%, list=36%, signal=85%
GO_ANION_CATION_SYMPORTER_ACTIVITY	GO_ANION_CATION_SYMPORTER_ACTIVITY	15	0.24972463	0.71178806	0.8697917	0.9439182	1	1216	tags=33%, list=24%, signal=44%
GO_REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALI	GO_REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALI	20	0.23444124	0.71173376	0.8582524	0.94381493	1	513	tags=15%, list=10%, signal=14%
GSE17186_NAIVE_VS_CD21LOW_TRANSITIONAL_BCELL	GSE17186_NAIVE_VS_CD21LOW_TRANSITIONAL_BCELL	52	0.20696826	0.71160287	0.8218391	0.9438127	1	752	tags=19%, list=15%, signal=22%
GO_EXTRACELLULAR_LIGAND_GATED_ION_CHANNEL_A	GO_EXTRACELLULAR_LIGAND_GATED_ION_CHANNEL_A	24	0.2459328	0.71154493	0.8813264	0.9437057	1	1319	tags=33%, list=26%, signal=45%
GO_UNSATURATED_FATTY_ACID_BIOSYNTHETIC_PROCI	GO_UNSATURATED_FATTY_ACID_BIOSYNTHETIC_PROCI	21	0.22894311	0.71141094	0.8472998	0.94371045	1	880	tags=19%, list=18%, signal=23%
VSMTF1_Q4	VSMTF1_Q4	68	0.18975182	0.7113259	0.9125475	0.94365084	1	1714	tags=43%, list=34%, signal=64%
GSE5099_CLASSICAL_M1_VS_ALTERNATIVE_M2_MACR	GSE5099_CLASSICAL_M1_VS_ALTERNATIVE_M2_MACR	54	0.2306523	0.7111314	0.7485265	0.94374317	1	793	tags=19%, list=16%, signal=22%
CHAUHAN_RESPONSE_TO_METHOXYESTRADIOL_DN	CHAUHAN_RESPONSE_TO_METHOXYESTRADIOL_DN	19	0.25742432	0.7110085	0.82509506	0.9437278	1	204	tags=11%, list=4%, signal=11%
GSE20715_OH_VS_24H_OZONE_TLR4_KO_LUNG_DN	GSE20715_OH_VS_24H_OZONE_TLR4_KO_LUNG_DN	77	0.19436902	0.7101482	0.8605578	0.9447303	1	728	tags=18%, list=15%, signal=21%
GSE4984_GALECTIN1_VS_LPS_STIM_DC_DN	GSE4984_GALECTIN1_VS_LPS_STIM_DC_DN	38	0.20528387	0.71007305	0.88142294	0.9446571	1	1028	tags=21%, list=21%, signal=26%
TRAYNOR_RETT_SYNDROM_UP	TRAYNOR_RETT_SYNDROM_UP	30	0.25148132	0.7096175	0.7753479	0.94509995	1	1198	tags=30%, list=24%, signal=39%
GSE2770_IL12_VS_IL4_TREATED_ACT_CD4_TCELL_6H_DN	GSE2770_IL12_VS_IL4_TREATED_ACT_CD4_TCELL_6H_DN	32	0.20189481	0.70961523	0.875				



GGCAGTG.MIR-324-3P	GGCAGTG.MIR-324-3P	18	0.24296178	0.7045065	0.85379064	0.94841486	1	1325	tags=28%, list=26%, signal=38%
GO_EXTRACELLULAR_MATRX_BINDING	GO_EXTRACELLULAR_MATRX_BINDING	26	0.23587891	0.7042689	0.82542694	0.948551	1	705	tags=23%, list=14%, signal=27%
GSE24142_DN2_VS_DN3_THYMOCYTE_ADULT_UP	GSE24142_DN2_VS_DN3_THYMOCYTE_ADULT_UP	77	0.1724215	0.70425874	0.9424184	0.9483835	1	1378	tags=31%, list=28%, signal=42%
GSE21063_CTRL_VS_ANTLI_GM_STIM_BCELL_NFATC1_KC	GSE21063_CTRL_VS_ANTLI_GM_STIM_BCELL_NFATC1_KC	34	0.20319723	0.70393103	0.874502	0.94862616	1	1330	tags=32%, list=27%, signal=44%
GSE20715_OH_VS_24H_OZONE_TLR4_KO_LUNG_UP	GSE20715_OH_VS_24H_OZONE_TLR4_KO_LUNG_UP	73	0.20179309	0.70330656	0.82040817	0.9492716	1	727	tags=18%, list=15%, signal=24%
GSE17721_POLYIC_VS_PAM3CSK4_2H_BMDC_UP	GSE17721_POLYIC_VS_PAM3CSK4_2H_BMDC_UP	27	0.21892028	0.70324653	0.877907	0.9491638	1	1323	tags=30%, list=26%, signal=40%
GSE2770_TGFB_AND_IL4_VS_TGFB_AND_IL4_TREATED	GSE2770_TGFB_AND_IL4_VS_TGFB_AND_IL4_TREATED	53	0.19314982	0.7030458	0.9158513	0.9492314	1	976	tags=23%, list=20%, signal=28%
GO_POSITIVE_REGULATION_OF_CALCMIUM_IION_IMPORT	GO_POSITIVE_REGULATION_OF_CALCMIUM_IION_IMPORT	17	0.24934487	0.7028937	0.82711196	0.94925565	1	678	tags=18%, list=14%, signal=20%
WANG_CLI_M2_TARGETS_DN	WANG_CLI_M2_TARGETS_DN	38	0.20812799	0.70279217	0.8488613	0.94920707	1	1134	tags=21%, list=23%, signal=27%
GSE27786_CD8_TCELL_VS_NKCELL_DN	GSE27786_CD8_TCELL_VS_NKCELL_DN	50	0.19079578	0.70267713	0.9126984	0.94918317	1	1102	tags=26%, list=22%, signal=33%
GSE14769_UNSTIM_VS_G6MIN_LPS_BMDC_DN	GSE14769_UNSTIM_VS_G6MIN_LPS_BMDC_DN	69	0.21051283	0.7026533	0.81338745	0.9490371	1	588	tags=16%, list=12%, signal=18%
GO_CELL_JUNCTION	GO_CELL_JUNCTION	319	0.16381384	0.7021943	0.9307692	0.9494607	1	1368	tags=26%, list=27%, signal=34%
GO_RESPONSE_TO_FIBROBLAST_GROWTH_FACTOR	GO_RESPONSE_TO_FIBROBLAST_GROWTH_FACTOR	34	0.21731141	0.7020195	0.85796547	0.9495268	1	876	tags=24%, list=18%, signal=28%
GSE17721_0.5H_VS_8H_LPS_BMDC_DN	GSE17721_0.5H_VS_8H_LPS_BMDC_DN	53	0.20216906	0.7019709	0.85971946	0.9494135	1	894	tags=21%, list=18%, signal=25%
GO_MUCOPOLYSACCHARIDE_METABOLIC_PROCESS	GO_MUCOPOLYSACCHARIDE_METABOLIC_PROCESS	39	0.21459322	0.70191437	0.8534653	0.9493033	1	837	tags=21%, list=17%, signal=24%
GSE1432_CTRL_VS_IFNG_1H_MICROGLIA_UP	GSE1432_CTRL_VS_IFNG_1H_MICROGLIA_UP	25	0.22533609	0.7018234	0.88030887	0.94925046	1	1422	tags=36%, list=28%, signal=50%
GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_24H_C	GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_24H_C	47	0.18958986	0.70173436	0.9121094	0.9491909	1	1125	tags=28%, list=23%, signal=35%
VSSP1_Q6_01	VSSP1_Q6_01	41	0.2072409	0.701415	0.8693069	0.9494267	1	1357	tags=29%, list=27%, signal=40%
DANG_REGULATED_BY_MYC	DANG_REGULATED_BY_MYC	93	0.19276099	0.7013819	0.8372549	0.9492925	1	958	tags=22%, list=19%, signal=26%
KAECH_DAY15_EFF_VS_MEMORY_CD8_TCELL_DN	KAECH_DAY15_EFF_VS_MEMORY_CD8_TCELL_DN	51	0.2154847	0.7013165	0.8174905	0.94920367	1	503	tags=14%, list=10%, signal=15%
GSE11864_UNTREATED_VS_CSF1_IFNG_IN_MAC_DN	GSE11864_UNTREATED_VS_CSF1_IFNG_IN_MAC_DN	32	0.21343525	0.70089837	0.8513514	0.9494471	1	643	tags=16%, list=13%, signal=18%
MODULE_175	MODULE_175	24	0.23310003	0.70094556	0.8359375	0.949328	1	277	tags=13%, list=6%, signal=13%
KRAS.600.LUNG.BREAST.UP.V1	KRAS.600.LUNG.BREAST.UP.V1	129	0.1780405	0.7002365	0.8956044	0.9500765	1	718	tags=13%, list=14%, signal=15%
GSE3982_DC_VS_CENT_MEMORY_CD4_TCELL_UP	GSE3982_DC_VS_CENT_MEMORY_CD4_TCELL_UP	71	0.2026991	0.69977725	0.8472222	0.9505053	1	1087	tags=24%, list=22%, signal=30%
GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_6H_L	GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_6H_L	38	0.20438805	0.6997451	0.89411765	0.9503607	1	750	tags=18%, list=15%, signal=22%
GO_NEGATIVE_REGULATION_OF_RESPONSE_TO_CYTOK	GO_NEGATIVE_REGULATION_OF_RESPONSE_TO_CYTOK	18	0.22682173	0.6997197	0.8007663	0.9502107	1	1729	tags=50%, list=35%, signal=76%
GO_REGULATION_OF_ESTABLISHMENT_OF_PLANAR_PC	GO_REGULATION_OF_ESTABLISHMENT_OF_PLANAR_PC	25	0.2330376	0.6994145	0.82520324	0.9504113	1	1214	tags=32%, list=24%, signal=42%
GO_RESPONSE_TO_CALCMIUM_IION	GO_RESPONSE_TO_CALCMIUM_IION	44	0.20787778	0.6991401	0.8661568	0.9505961	1	1388	tags=32%, list=28%, signal=44%
GSE18203_CTRL_VS_INTRATUMORAL_CPG_INJ_MC38_T	GSE18203_CTRL_VS_INTRATUMORAL_CPG_INJ_MC38_T	52	0.17631117	0.698615	0.94990367	0.9511125	1	1533	tags=31%, list=31%, signal=44%
GSE13547_CTRL_VS_ANTLI_GM_STIM_ZFX_KO_BCELL_2H	GSE13547_CTRL_VS_ANTLI_GM_STIM_ZFX_KO_BCELL_2H	36	0.22819205	0.6982823	0.84479374	0.95136726	1	503	tags=17%, list=10%, signal=18%
GSE7460_CD8_TCELL_VS_TREG_ACT_UP	GSE7460_CD8_TCELL_VS_TREG_ACT_UP	58	0.20058237	0.698218	0.85119045	0.9512775	1	425	tags=12%, list=9%, signal=14%
LI_WILMS_TUMOR	LI_WILMS_TUMOR	23	0.23392051	0.6981331	0.8454198	0.9512071	1	468	tags=13%, list=9%, signal=13%
GSE7509_FCGRIIB_VS_TNFA_IL1B_PGE_STIM_CD4_T	GSE7509_FCGRIIB_VS_TNFA_IL1B_PGE_STIM_CD4_T	25	0.2074223	0.6977773	0.88950276	0.9515121	1	411	tags=12%, list=8%, signal=13%
GSE17721_CTRL_VS_GARDIQUIMOD_4H_BMDC_DN	GSE17721_CTRL_VS_GARDIQUIMOD_4H_BMDC_DN	64	0.17919445	0.696903	0.91783565	0.95248556	1	1381	tags=30%, list=28%, signal=40%
MORF_FD XR	MORF_FD XR	41	0.18782276	0.69687945	0.9253188	0.9523375	1	1369	tags=29%, list=27%, signal=40%
GSE37605_FOXP3_FUSION_GFP_VS_IRES_GFP_TREG_C5	GSE37605_FOXP3_FUSION_GFP_VS_IRES_GFP_TREG_C5	80	0.20386072	0.696679	0.8192771	0.952405	1	1436	tags=33%, list=29%, signal=45%
GSE29164_UNTREATED_VS_CD8_TCELL_AND_IL12_TREA	GSE29164_UNTREATED_VS_CD8_TCELL_AND_IL12_TREA	16	0.26073575	0.69656086	0.8073218	0.95237356	1	238	tags=13%, list=5%, signal=13%
CAR_HP X	CAR_HP X	33	0.2124634	0.69643945	0.8339552	0.95235336	1	625	tags=12%, list=5%, signal=14%
GO_FORELIMB_MORPHOGENESIS	GO_FORELIMB_MORPHOGENESIS	16	0.24948482	0.69595655	0.8431772	0.9527846	1	617	tags=19%, list=12%, signal=21%
GSE43863_NAIVE_VS_TH1_EFF_CD4_TCELL_D6_LCMV_DI	GSE43863_NAIVE_VS_TH1_EFF_CD4_TCELL_D6_LCMV_DI	59	0.17742196	0.69543386	0.91780823	0.95328224	1	200	tags=7%, list=4%, signal=7%
VSPAX4_03	VSPAX4_03	76	0.17927931	0.69538057	0.9173077	0.95317036	1	1377	tags=29%, list=28%, signal=39%
VSGR_Q6_01	VSGR_Q6_01	83	0.16670452	0.6951987	0.9643527	0.9532168	1	1609	tags=36%, list=32%, signal=52%
GO_LYMPHOCYTE_HOMEOSTASIS	GO_LYMPHOCYTE_HOMEOSTASIS	17	0.25995162	0.6951378	0.8012048	0.9531125	1	191	tags=12%, list=4%, signal=12%
ZHANG_PROLIFERATING_VS_QUIESCENT	ZHANG_PROLIFERATING_VS_QUIESCENT	15	0.2529702	0.6951329	0.8505976	0.95293707	1	1077	tags=33%, list=22%, signal=42%
GSE12505_WT_VS_E2-2_HET_PDC_UP	GSE12505_WT_VS_E2-2_HET_PDC_UP	36	0.19465642	0.6949076	0.9067164	0.95303726	1	1312	tags=33%, list=26%, signal=45%
GSE17721_POLYIC_VS_GARDIQUIMOD_1H_BMDC_UP	GSE17721_POLYIC_VS_GARDIQUIMOD_1H_BMDC_UP	43	0.19063091	0.6948265	0.9229287	0.9529607	1	1081	tags=23%, list=22%, signal=29%
VSTAT_B	VSTAT_B	52	0.2061558	0.6948236	0.8840304	0.9527843	1	1395	tags=31%, list=28%, signal=42%
LINDVALL_IMMORTALIZED_BY_TERT_UP	LINDVALL_IMMORTALIZED_BY_TERT_UP	32	0.23549673	0.6947993	0.79457366	0.9526349	1	837	tags=19%, list=17%, signal=22%
YU_MYC_TARGETS_DN	YU_MYC_TARGETS_DN	22	0.25462812	0.69441676	0.76707004	0.9529327	1	543	tags=14%, list=11%, signal=15%
STK33_NOMO_UP	STK33_NOMO_UP	117	0.18919423	0.694316	0.85222673	0.9528746	1	503	tags=12%, list=10%, signal=13%
GSE24492_LYVE_NEG_VS_POS_MACROPHAGE_UP	GSE24492_LYVE_NEG_VS_POS_MACROPHAGE_UP	51	0.1830762	0.6941288	0.9203187	0.9529264	1	1087	tags=22%, list=22%, signal=27%
TGCTGCT.MIR-29A.MIR-29B.MIR-29E	TGCTGCT.MIR-29A.MIR-29B.MIR-29E	126	0.17380814	0.69400996	0.92785573	0.9528904	1	1347	tags=30%, list=27%, signal=40%
GSE3982_MEMORY_CD4_TCELL_VS_BCELL_UP	GSE3982_MEMORY_CD4_TCELL_VS_BCELL_UP	83	0.19989054	0.6934762	0.802682	0.9533837	1	629	tags=14%, list=13%, signal=16%
GO_REGULATION_OF_ACUTE_INFLAMMATORY_RESPON	GO_REGULATION_OF_ACUTE_INFLAMMATORY_RESPON	36	0.24169151	0.69346243	0.7906067	0.9532161	1	948	tags=17%, list=19%, signal=20%
ERB2_UP.V1_UP	ERB2_UP.V1_UP	111	0.1823203	0.6931684	0.88950276	0.95341325	1	1105	tags=23%, list=22%, signal=28%
GSE21774_CD62L_PCS_CD56_D1M_CD62L_NEG_CD5	GSE21774_CD62L_PCS_CD56_D1M_CD62L_NEG_CD5	77	0.19387133	0.6931324	0.8623482	0.953279	1	745	tags=16%, list=15%, signal=18%
GSE22888_CD8_TCELL_VS_BCELL_NAIVE_DN	GSE22888_CD8_TCELL_VS_BCELL_NAIVE_DN	66	0.20645082	0.6928819	0.8442308	0.95342696	1	489	tags=12%, list=10%, signal=13%
GSE1460_INTRATHYMIC_T_PROGENITOR_VS_CD4_THYM	GSE1460_INTRATHYMIC_T_PROGENITOR_VS_CD4_THYM	81	0.22861615	0.69254106	0.76811594	0.9537025	1	1167	tags=25%, list=23%, signal=32%
GSE22888_NAIVE_CD8_TCELL_VS_NKCELL_UP	GSE22888_NAIVE_CD8_TCELL_VS_NKCELL_UP	54	0.2184172	0.6925003	0.7924528	0.9535738	1	506	tags=15%, list=10%, signal=16%
GO_REGULATION_OF_T_CELL_APOPTOTIC_PROCESS	GO_REGULATION_OF_T_CELL_APOPTOTIC_PROCESS	20	0.24675801	0.69219214	0.8438735	0.9537612	1	1302	tags=30%, list=26%, signal=40%
GSE32423_CTRL_VS_IL4_MEMORY_CD8_TCELL_DN	GSE32423_CTRL_VS_IL4_MEMORY_CD8_TCELL_DN	49	0.19086628	0.69215536	0.92120075	0.95362794	1	633	tags=14%, list=13%, signal=16%
GSE28726_NAIVE_VS_ACTIVATED_VA24NEG_NKTC1	GSE28726_NAIVE_VS_ACTIVATED_VA24NEG_NKTC1	73	0.17798139	0.69203305	0.9244604	0.95360875	1	1380	tags=30%, list=28%, signal=41%
VSOCT_C	VSOCT_C	106	0.17102008	0.6919101	0.9479769	0.9535742	1	983	tags=20%, list=20%, signal=24%
GSE17721_CPG_VS_GARDIQUIMOD_12H_BMDC_DN	GSE17721_CPG_VS_GARDIQUIMOD_12H_BMDC_DN	51	0.1866755	0.6919048	0.9230769	0.95340055	1	478	tags=10%, list=10%, signal=11%
VFOX04_01	VFOX04_01	84	0.17063136	0.6918705	0.9391144	0.95326114	1	1284	tags=25%, list=26%, signal=33%
GSE13547_CTRL_VS_ANTLI_GM_STIM_BCELL_12H_DN	GSE13547_CTRL_VS_ANTLI_GM_STIM_BCELL_12H_DN	41	0.21939044	0.69183534	0.8280961	0.95312977	1	882	tags=17%, list=18%, signal=21%
ZWANG_CLASS_1_TRANSIENTLY_INDUCED_BY_EGF	ZWANG_CLASS_1_TRANSIENTLY_INDUCED_BY_EGF	155	0.17051202	0.691833	0.93714285	0.9529531	1	1025	tags=20%, list=21%, signal=24%
GSE17721_POLYIC_VS_CPG_8H_BMDC_UP	GSE17721_POLYIC_VS_CPG_8H_BMDC_UP	50	0.18885393	0.6915438	0.8910134	0.95312697	1	1414	tags=34%, list=28%, signal=47%
GSE17721_CPG_VS_GARDIQUIMOD_0.5H_BMDC_DN	GSE17721_CPG_VS_GARDIQUIMOD_0.5H_BMDC_DN	35	0.1960522	0.6913919	0.8990476	0.9531323	1	1121	tags=29%, list=22%, signal=37%
NAKAMURA_ADIPOGENESIS_EARLY_UP	NAKAMURA_ADIPOGENESIS_EARLY_UP	29	0.23423462	0.691172	0.83365947	0.95322603	1	543	tags=14%, list=11%, signal=15%
GO_NEGATIVE_REGULATION_OF_REPRODUCTIVE_PROC	GO_NEGATIVE_REGULATION_OF_REPRODUCTIVE_PROC	22	0.22381614	0.6910641	0.8754579	0.9531808	1	1331	tags=36%, list=27%, signal=49%
GSE22888_IL4_VS_ILGM_MEMORY_BCELL_UP	GSE22888_IL4_VS_ILGM_MEMORY_BCELL_UP	47	0.19904377	0.6908647	0.89271253	0.95325845	1	1709	tags=34%, list=34%, signal=51%
GSE22443_NAIVE_VS_ACT_AND_IL2_TREATED_CD8_TCEI	GSE22443_NAIVE_VS_ACT_AND_IL2_TREATED_CD8_TCEI	93	0.14680513	0.6906233	0.96089387	0.9538106	1	683	tags=14%, list=14%, signal=16%
GO_LIPID_PHOSPHORYLATION	GO_LIPID_PHOSPHORYLATION	34	0.21239531	0.6905743	0.86630034	0.95326155	1	1116	tags=24%, list=22%, signal=30%
GSE24634_TEFF_VS_TCONV_DAY3_IN_CULTURE_DN	GSE24634_TEFF_VS_TCONV_DAY3_IN_CULTURE_DN	71	0.21533306	0.6905702	0.7766798	0.9530865	1	1162	tags=24%, list=23%, signal=31%
VSTAT5B_01	VSTAT5B_01	88	0.18145409	0.6903262	0.9155206	0.9532005	1	1297	tags=26%, list=26%, signal=35%
GO_POSITIVE_REGULATION_OF_CELL_DEATH	GO_POSITIVE_REGULATION_OF_CELL_DEATH	185	0.17051536	0.69005895	0.89891097	0.9534893	1	940	tags=18%, list=19%, signal=23%
GSE27859_MACROPHAGE_VS_CD11C_INT_F480_INT_DC	GSE27859_MACROPHAGE_VS_CD11C_INT_F480_INT_DC	51	0.20302975	0.689739	0.88304096	0.95356447	1	848	tags=20%, list=17%, signal=23%
GO_ENDODERM_FORMATI									



GO_RNA_POLYMERASE_II_TRANSCRIPTION_COACTIVAT	GO_RNA_POLYMERASE_II_T	15	0.23897098	0.6839329	0.8593449	0.95526916	1	929 tags=27%, list=19%, signal=33%
GO_CORTICAL_ACTIN_CYTOSKELETON	GO_CORTICAL_ACTIN_CYT	18	0.23596513	0.6838829	0.8761713	0.9551445	1	1314 tags=39%, list=26%, signal=53%
GO_LEARNING	GO_LEARNING	42	0.19618307	0.68370783	0.902439	0.9551775	1	1797 tags=48%, list=36%, signal=74%
GO_PROTEIN_SECRETION	GO_PROTEIN_SECRETION	43	0.20427343	0.68368334	0.8610603	0.95503277	1	1492 tags=35%, list=30%, signal=49%
GSE3920_IFNA_VS_IFNB_TREATED_ENDOTHELIAL_CELL	GSE3920_IFNA_VS_IFNB_TR	54	0.21221301	0.6835998	0.8183594	0.9549538	1	1350 tags=28%, list=27%, signal=49%
GSE40274_FOXP3_VS_FOXP3_AND_GATA1_TRANSDUCE	GSE40274_FOXP3_VS_FOXP	55	0.18145502	0.68312967	0.92913383	0.9553457	1	1292 tags=29%, list=26%, signal=39%
SANSOM_APC_TARGETS_DN	SANSOM_APC_TARGETS_DI	157	0.18126048	0.6830099	0.8371212	0.9553081	1	343 tags=9%, list=7%, signal=9%
GSE2770_TGFB_AND_IL4_VS_IL12_TREATED_ACT_CD4_T	GSE2770_TGFB_AND_IL4_VS	53	0.23065697	0.68292457	0.801636	0.9552298	1	872 tags=17%, list=17%, signal=20%
GO_RESPONSE_TO_EXTRACELLULAR_STIMULUS	GO_RESPONSE_TO_EXTRAC	157	0.15825947	0.6827302	0.9746377	0.9552813	1	987 tags=20%, list=20%, signal=24%
TAVOR_CEBPA_TARGETS_DN	TAVOR_CEBPA_TARGETS_DI	18	0.23683731	0.6827005	0.858	0.9551409	1	1217 tags=28%, list=24%, signal=37%
VSHANDIE47_O1	VSHANDIE47_O1	86	0.17060079	0.68269604	0.95811516	0.954967	1	1312 tags=24%, list=26%, signal=33%
HAN_SATB1_TARGETS_DN	HAN_SATB1_TARGETS_DN	165	0.16579932	0.6826579	0.92761904	0.95483583	1	771 tags=15%, list=15%, signal=17%
PTEN_DN_V1_DN	PTEN_DN_V1_DN	92	0.1719136	0.6825811	0.94402987	0.95475173	1	1145 tags=24%, list=23%, signal=30%
GSE3039_ALPHABETA_CD8_TCELL_VS_B1_BCELL_DN	GSE3039_ALPHABETA_CD8	44	0.19291362	0.68226326	0.9041096	0.95494515	1	756 tags=18%, list=15%, signal=21%
CCTN1MAGA_UNKNOWN	CCTN1MAGA_UNKNOWN	36	0.19422276	0.68225306	0.9035917	0.9547785	1	1754 tags=36%, list=35%, signal=55%
GSE34156_UNTREATED_VS_24H_NOD2_AND_TLR1_TLR	GSE34156_UNTREATED_VS	56	0.18626738	0.6822195	0.9249531	0.95464176	1	897 tags=18%, list=18%, signal=22%
MODULE_199	MODULE_199	26	0.20874001	0.6819447	0.8806262	0.95478374	1	1327 tags=35%, list=27%, signal=49%
KEEN_RESPONSE_TO_ROSILITAZONE_DN	KEEN_RESPONSE_TO_ROSIC	48	0.2194601	0.681629	0.8125	0.9549832	1	599 tags=17%, list=12%, signal=17%
GSE11961_FOLLICULAR_BCELL_VS_GERMINAL_CENTER	GSE11961_FOLLICULAR_BCI	69	0.17133702	0.68148905	0.934236	0.9549811	1	787 tags=17%, list=16%, signal=20%
GSE13547_WT_VS_ZFX_KO_BCELL_INTJGM_STIM_ZH_I	GSE13547_WT_VS_ZFX_KO	46	0.20558485	0.68148995	0.8579767	0.95480746	1	204 tags=9%, list=4%, signal=9%
VSMYB_Q6	VSMYB_Q6	79	0.16154991	0.6814179	0.96635514	0.9547021	1	689 tags=13%, list=14%, signal=14%
GO_BIOLOGICAL_ADHESION	GO_BIOLOGICAL_ADHESIO	415	0.17392078	0.6813707	0.84675837	0.9545799	1	1119 tags=24%, list=22%, signal=26%
GSE7509_DC_VS_MONOCYTE_DN	GSE7509_DC_VS_MONOCY	63	0.20039321	0.68129396	0.8565737	0.9544889	1	509 tags=14%, list=10%, signal=16%
NIKOLSKY_BREAST_CANCER_7Q21_Q22_AMPLICON	NIKOLSKY_BREAST_CANCE	24	0.21950257	0.6812251	0.86206895	0.9543899	1	1205 tags=29%, list=24%, signal=36%
GO_TAXIS	GO_TAXIS	183	0.17732969	0.68091536	0.8706564	0.95456195	1	882 tags=18%, list=18%, signal=21%
V5AP3_Q6	V5AP3_Q6	86	0.17466405	0.6809125	0.9259259	0.9543878	1	1841 tags=43%, list=37%, signal=67%
GO_ALCOHOL_METABOLIC_PROCESS	GO_ALCOHOL_METABOLIC	113	0.16738611	0.68035656	0.9480519	0.9548688	1	1327 tags=27%, list=27%, signal=35%
GSE27786_LIN_NEG_VS_NKCELL_DN	GSE27786_LIN_NEG_VS_NK	31	0.21599922	0.68023625	0.87326735	0.9548332	1	1844 tags=48%, list=37%, signal=76%
GO_CARBOXYLASE_ACTIVITY	GO_CARBOXYLASE_ACTIVITY	19	0.2191406	0.6801429	0.8869936	0.9547641	1	1500 tags=42%, list=30%, signal=60%
GSE22025_TGFB1_VS_TGFB1_AND_PROGESTERONE_T	GSE22025_TGFB1_VS_TGFB	76	0.1715219	0.67996544	0.94160587	0.9548085	1	1476 tags=30%, list=30%, signal=42%
GSE7459_UNTREATED_VS_IL6_TREATED_ACT_CD4_T	GSE7459_UNTREATED_VS_I	25	0.22012511	0.67979604	0.87025946	0.95486903	1	882 tags=20%, list=18%, signal=24%
GO_RESPONSE_TO_OXIDATIVE_STRESS	GO_RESPONSE_TO_OXIDAT	118	0.16638073	0.67976706	0.9530957	0.95476997	1	886 tags=17%, list=18%, signal=20%
GSE360_DONOVANI_VS_B_MALAYI_LOW_DOSE_MAC	GSE360_DONOVANI_VS_I	35	0.2085105	0.6795995	0.9052224	0.9547129	1	233 tags=6%, list=5%, signal=6%
GO_CYTOKINE_RECEPTOR_ACTIVITY	GO_CYTOKINE_RECEPTO	40	0.23464389	0.679351	0.791423	0.95481384	1	778 tags=20%, list=16%, signal=23%
GO_CYSSTEINE_TYPE_ENDOPEPTIDASE_REGULATOR	GO_CYSSTEINE_TYPE_ENDO	16	0.23767997	0.6793095	0.8757515	0.9549406	1	882 tags=25%, list=18%, signal=30%
GSE17721_0.5H_VS_4H_POLYIC_BMDC_UP	GSE17721_0.5H_VS_4H_PO	37	0.17950159	0.6789388	0.9507299	0.95494604	1	1492 tags=38%, list=30%, signal=54%
GSE24972_WT_VS_IRF8_KO_MARGINAL_ZONE_SPLEEN	GSE24972_WT_VS_IRF8_KO	59	0.17890888	0.6789365	0.9430605	0.95477027	1	1369 tags=29%, list=27%, signal=39%
GO_NEGATIVE_REGULATION_OF_MAP_KINASE_ACTIVI	GO_NEGATIVE_REGULATIO	26	0.23466907	0.67886806	0.83820665	0.95467293	1	1130 tags=31%, list=23%, signal=40%
MODULE_172	MODULE_172	57	0.20670956	0.6785216	0.8389662	0.9548932	1	980 tags=23%, list=20%, signal=28%
MULLIGHAN_MLL_SIGNATURE_2_UP	MULLIGHAN_MLL_SIGNATL	73	0.21159698	0.6784213	0.8236473	0.95482993	1	1215 tags=25%, list=24%, signal=32%
COLIN_PILOCYTIC_ASTROCYTOMA_VS_GLIOMASTOMA	COLIN_PILOCYTIC_ASTRO	24	0.23542331	0.67826957	0.8213628	0.9548211	1	758 tags=25%, list=15%, signal=29%
GO_SH3_ADAPTOR_ACTIVITY	GO_SH3_ADAPTOR_ACTIVITY	22	0.24745224	0.6781887	0.8373494	0.9547318	1	444 tags=18%, list=9%, signal=20%
THUM_SYSTOLIC_HEART_FAILURE_UP	THUM_SYSTOLIC_HEART_F	146	0.20278879	0.6780458	0.81037927	0.9547195	1	1378 tags=28%, list=28%, signal=38%
GSE2589_HEALTHY_VS_HIV_INFECTED_DC_DN	GSE2589_HEALTHY_VS_H	69	0.20290773	0.677918	0.8217822	0.95469093	1	1171 tags=25%, list=23%, signal=32%
GSE9601_UNTREATED_VS_NFKB_INHIBITOR_TREATED_I	GSE9601_UNTREATED_VS_I	73	0.168438	0.67754155	0.9375	0.9549553	1	1667 tags=37%, list=33%, signal=55%
GSE43955_THO_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_3	GSE43955_THO_VS_TGFB_I	74	0.18308087	0.67752564	0.91969407	0.9547962	1	1071 tags=22%, list=21%, signal=27%
GO_SECONDARY_METABOLIC_PROCESS	GO_SECONDARY_METABOL	21	0.23048423	0.6773403	0.8756856	0.95482385	1	304 tags=10%, list=6%, signal=10%
TYRRTAA_V5E4B4_O1	TYRRTAA_V5E4B4_O1	78	0.17631783	0.6769479	0.9510763	0.9551018	1	1723 tags=38%, list=34%, signal=58%
MAHADEVAN_IMATINIB_RESISTANCE_DN	MAHADEVAN_IMATINIB_RE	15	0.27090323	0.6767447	0.8241107	0.95514995	1	1565 tags=47%, list=31%, signal=68%
GSE29618_PRE_VS_DAY7_FLU_VACCINE_MONOCYTE_UI	GSE29618_PRE_VS_DAY7_F	67	0.1904119	0.67657053	0.92265195	0.9551621	1	950 tags=22%, list=19%, signal=27%
GSE6259_FLT3L_INDUCED_3D3L_POS_DC_CD8_TCEL	GSE6259_FLT3L_INDUCED_I	42	0.19113109	0.67651904	0.91682786	0.95504963	1	1641 tags=40%, list=33%, signal=60%
GSE17721_CTRL_VS_GARDIQUIMOD_5H_BMDC_UP	GSE17721_CTRL_VS_GARDI	48	0.17870808	0.67648065	0.9556684	0.9549162	1	1133 tags=25%, list=23%, signal=32%
GSE17721_PAM3CSK4_VS_GADIQUIMOD_0.5H_BMDC_I	GSE17721_PAM3CSK4_VS_I	48	0.17930163	0.6763922	0.94390714	0.9548423	1	1397 tags=31%, list=28%, signal=43%
GO_EYE_MORPHOGENESIS	GO_EYE_MORPHOGENESIS	50	0.19710214	0.67622524	0.87699394	0.95485884	1	1687 tags=44%, list=34%, signal=66%
V5CEBP_GAMMA_Q6	V5CEBP_GAMMA_Q6	83	0.17343155	0.67579794	0.9305816	0.9551637	1	1499 tags=29%, list=30%, signal=41%
GSE20152_SPHK1_KO_VS_DTNFA_OVEREXPRESSION	GSE20152_SPHK1_KO_VS_H	42	0.1910271	0.6757065	0.9354839	0.9550917	1	1408 tags=33%, list=28%, signal=46%
GSE38697_LIGHT_ZONE_VS_DARK_ZONE_BCELL_UP	GSE38697_LIGHT_ZONE_VS	29	0.22708763	0.67559063	0.8310139	0.9550541	1	454 tags=10%, list=9%, signal=11%
V5TF1_Q6	V5TF1_Q6	61	0.17832753	0.67544353	0.93373495	0.95503724	1	1368 tags=25%, list=27%, signal=33%
GSE40274_FOXP3_VS_FOXP3_AND_IRF4_TRANSDUCE	GSE40274_FOXP3_VS_FOXP	71	0.18528102	0.6752912	0.896	0.9550303	1	1013 tags=20%, list=20%, signal=24%
MOREAUX_B_LYMPHOCTE_MATURATION_BY_TACT_UP	MOREAUX_B_LYMPHOCTE	27	0.19382212	0.6751688	0.91	0.95498854	1	1686 tags=41%, list=34%, signal=61%
CHR8P11	CHR8P11	18	0.29021093	0.6746323	0.76	0.9554342	1	1558 tags=39%, list=31%, signal=56%
GO_POSITIVE_REGULATION_OF_NEUTROPHIL_MIGRATI	GO_POSITIVE_REGULATION	18	0.2878094	0.6743869	0.87672034	0.9554745	1	629 tags=17%, list=13%, signal=19%
GSE25123_CTRL_VS_ROSILITAZONE_STIM_MACROPH	GSE25123_CTRL_VS_ROSIG	47	0.18616663	0.67428	0.9202335	0.95547974	1	573 tags=13%, list=11%, signal=14%
WINZEN_DEGRADED_VIA_KHSRP	WINZEN_DEGRADED_VIA_K	68	0.20245172	0.6741713	0.84015596	0.95542127	1	1682 tags=38%, list=34%, signal=57%
GSE21670_IL6_VS_IL6_TREATED_STAT3_KO_I	GSE21670_IL6_VS_IL6_T	55	0.1894072	0.6740203	0.9145833	0.9554198	1	828 tags=16%, list=17%, signal=19%
ICHIBA_GRAFT_VERSUS_HOST_DISEASE_D7_UP	ICHIBA_GRAFT_VERSUS_HO	48	0.2493604	0.6737444	0.7684631	0.9554039	1	70 tags=6%, list=1%, signal=6%
GO_REGULATION_OF_IMMUNOGLOBULIN_PRODUC	GO_REGULATION_OF_IMM	17	0.2683386	0.6737282	0.80798477	0.9553948	1	461 tags=12%, list=9%, signal=13%
GSE3982_EOSINOPHIL_VS_NEUTROPHIL_DN	GSE3982_EOSINOPHIL_DN	52	0.18511322	0.6737109	0.92322457	0.9552394	1	1184 tags=29%, list=24%, signal=37%
GSE12845_IJD_POS_BLOOD_VS_NAIVE_TONSIL_BCELL_I	GSE12845_IJD_POS_BLOOD	52	0.19740003	0.6732806	0.8508065	0.9555384	1	888 tags=17%, list=18%, signal=21%
MCCLUNG_CREB1_TARGETS_UP	MCCLUNG_CREB1_TARGET	39	0.20626564	0.6730103	0.90163934	0.9556659	1	1150 tags=26%, list=23%, signal=33%
MODULE_114	MODULE_114	31	0.20678157	0.67278266	0.8665413	0.9557484	1	1443 tags=32%, list=29%, signal=45%
GSE2585_CD80_HIGH_VS_LOW_AIRE_KO_MTEC_UP	GSE2585_CD80_HIGH_VS_U	49	0.18803325	0.6726522	0.87374747	0.95571697	1	775 tags=18%, list=16%, signal=21%
GSE26030_TH1_VS_TH17_RESTIMULATED_DAY15_POST	GSE26030_TH1_VS_TH17_R	24	0.2579035	0.6721438	0.85551333	0.95610344	1	165 tags=8%, list=3%, signal=9%
GSE36078_UNTREATED_VS_ADS_INF_MOUSE_LUNG_DC	GSE36078_UNTREATED_VS	55	0.17647941	0.67201936	0.9461967	0.9560565	1	916 tags=20%, list=18%, signal=24%
FLECHNER_PBL_KIDNEY_TRANSPLANT_OK_VS_DONOR	FLECHNER_PBL_KIDNEY_TR	22	0.23663041	0.6718522	0.83653843	0.956071	1	420 tags=9%, list=8%, signal=10%
GSE17974_IL4_AND_ANTIL_IL12_UNTREATED_6H_ACI	GSE17974_IL4_AND_ANTIL_I	73	0.18797316	0.671514	0.8863636	0.95628	1	781 tags=16%, list=16%, signal=19%
GSE29618_PDC_VS_MDC_DN	GSE29618_PDC_VS_MDC_D	70	0.21746904	0.6711286	0.8060606	0.9565309	1	445 tags=11%, list=9%, signal=12%
GO_REGULATION_OF_GASTRULATION	GO_REGULATION_OF_GAST	15	0.2657841	0.67080367	0.8383459	0.95671386	1	1697 tags=47%, list=34%, signal=70%
PID_RAC1_PATHWAY	PID_RAC1_PATHWAY	16	0.22750288	0.6707582	0.908142	0.95658666	1	440 tags=13%, list=9%, signal=14%
YCATTCAWW_UNKNOWN	YCATTCAWW_UNKNOWN	63	0.1698294	0.6707068	0.9526515	0.956466	1	1871 tags=46%, list=37%, signal=73%
ODONNELL_TARGETS_OF_MYC_AND_TFR3_UP	ODONNELL_TARGETS_OF_J	39	0.23118155	0.67065847	0.821782	0.9563439	1	778 tags=15%, list=16%, signal=18%
GSE13306_RA_VS_UNTREATED_MEM_CD4_TCELL_UP	GSE13306_RA_VS_UNTREAT	78	0.19105724	0.6706596	0.86491936	0.9562683	1	689 tags=15%, list=14%, signal=18%
GSE19198_IL12_VS_IL12_TREATED_TCELL_UP	GSE19198_IL12_VS_IL12_I	62	0.18361077	0.6704276	0.9337121	0.9562495	1	1258 tags=23%, list=25%, signal=30%
GSE21546_UNSTIM_VS_ANTIL_CD3_STIM_SAP1A_KO_DP	GSE21546_UNSTIM_VS_ANI	47	0.18366365	0.67023826	0.9362069	0.95628697	1	815 tags=17%, list=16%, signal=20%
GSE3982_MAST_CELL_VS_DN	GSE3982_MAST_CELL_VS_D	59	0.18995921	0.6701317	0.9027778	0.956227	1	918 tags=17%, list=18%, signal=21%
GSE29618_PRE_VS_DAY7_POST_TIV_FLU_VACCINE_B	GSE29618_PRE_VS_DAY7_P	77	0.17023543	0.6697				

GSE13762_CTRL_VS_125_VITAMIND_DAYS_DC_UP	GSE13762_CTRL_VS_125_VT	50	0.17560476	0.6658672	0.955595	0.9568594	1	1482 tags=34%, list=30%, signal=48%
GSE29614_UNTREATED_VS_CDB_TCELL_IL12_TREA	GSE29614_UNTREATED_VS	67	0.17241915	0.66576463	0.93939394	0.9567859	1	1133 tags=24%, list=23%, signal=40%
GO_REGULATION_OF_CHEMOKINE_PRODUCTION	GO_REGULATION_OF_CHEA	31	0.22810413	0.66555887	0.84063745	0.95681167	1	1240 tags=35%, list=25%, signal=47%
GSE17580_TREG_VS_TFFF_DN	GSE17580_TREG_VS_TFFF_D	44	0.19212551	0.66552	0.91295994	0.9567093	1	882 tags=16%, list=18%, signal=19%
GSE46606_DAV1_VS_DAV3_CD40L_IL2_IL5_STIMULATED	GSE46606_DAV1_VS_DAV3_	50	0.19852494	0.6653013	0.9	0.95675415	1	617 tags=16%, list=12%, signal=18%
GSE26030_UNSTIM_VS_RESTIM_TH1_DAV5_POST_POLA	GSE26030_UNSTIM_VS_RES	42	0.20580556	0.6652638	0.88954633	0.95661604	1	872 tags=21%, list=17%, signal=26%
GSE46025_WT_VS_FOXO1_KO_KLRG1_LOW_CD8_EFFEC	GSE46025_WT_VS_FOXO1_	43	0.17540236	0.665025	0.9529412	0.9567074	1	1389 tags=33%, list=28%, signal=45%
GO_VACUOLE_ORGANIZATION	GO_VACUOLE_ORGANIZATI	15	0.23386107	0.66496015	0.9031008	0.956605	1	1306 tags=27%, list=26%, signal=36%
PDGF_UP_V1_DN	PDGF_UP_V1_DN	49	0.18908975	0.66472495	0.9282946	0.9566737	1	970 tags=22%, list=19%, signal=28%
REACTOME_SIGNALING_BY_INSULIN_RECEPTOR	REACTOME_SIGNALING_BY	25	0.20739086	0.66465485	0.92349726	0.956578	1	876 tags=24%, list=18%, signal=29%
MODULE_27	MODULE_27	173	0.19030892	0.66456527	0.8167641	0.9565088	1	1330 tags=28%, list=27%, signal=36%
HALLMARK_APOPTOSIS	HALLMARK_APOPTOSIS	70	0.18310869	0.6644413	0.8916828	0.95645165	1	1077 tags=21%, list=22%, signal=31%
GSE29614_CTRL_VS_DAY7_FLU_VACCINE_PBMC_UP	GSE29614_CTRL_VS_DAY7_1	48	0.18058008	0.66438717	0.94075406	0.9563715	1	1789 tags=50%, list=36%, signal=77%
GSE9006_TYPE_1_DIABETES_AT_DX_VS_4MONTH_POST	GSE9006_TYPE_1_DIABETES	50	0.17994283	0.663774	0.9600726	0.95628025	1	1403 tags=28%, list=28%, signal=39%
GO_XENOPHAGY	GO_XENOPHAGY	25	0.1991275	0.6637581	0.9113402	0.9566601	1	989 tags=20%, list=20%, signal=25%
GO_REGULATION_OF_I_KAPPAB_KINASE_NF_KAPPAB_SI	GO_REGULATION_OF_I_KAP	71	0.19374353	0.6633859	0.862	0.9568812	1	942 tags=18%, list=19%, signal=22%
GSE11057_EFF_MEM_VS_CENT_MEM_CD4_TCELL_UP	GSE11057_EFF_MEM_VS_CE	61	0.18959011	0.66335356	0.8908046	0.95674	1	528 tags=13%, list=11%, signal=14%
STTTTCRNIT_VSIR_Q6	STTTTCRNIT_VSIR_Q6	78	0.19470848	0.663045	0.83203125	0.9568985	1	1190 tags=24%, list=24%, signal=31%
GSE29949_MICROGLIA_BRAIN_VS_CD8_POS_CD_SPLEE	GSE29949_MICROGLIA_BRA	61	0.17979647	0.6628865	0.9050388	0.95689857	1	1363 tags=31%, list=27%, signal=42%
GO_RESPONSE_TO_TESTOSTERONE	GO_RESPONSE_TO_TESTOS	18	0.22392552	0.662601	0.89738804	0.95703304	1	1407 tags=39%, list=28%, signal=54%
GSE13547_CTRL_VS_ANTI_IGM_STIM_ZFX_KO_BCELL_12	GSE13547_CTRL_VS_ANTI_I	28	0.20710306	0.6624835	0.90392154	0.9569898	1	797 tags=21%, list=16%, signal=25%
GSE22886_NAIVE_CD8_TCELL_VS_NEUTROPHIL_UP	GSE22886_NAIVE_CD8_TCEI	30	0.24766023	0.6622954	0.78937006	0.9570095	1	700 tags=20%, list=14%, signal=23%
GO_HETEROPHILIC_CELL_CELL_ADHESION_VIA_PLASMA	GO_HETEROPHILIC_CELL_CI	24	0.22784749	0.6615925	0.85795456	0.9575715	1	994 tags=25%, list=20%, signal=31%
GO_REGULATION_OF_RESPONSE_TO_WOUNDING	GO_REGULATION_OF_RESPH	179	0.18439427	0.6615854	0.85148513	0.9574038	1	1241 tags=23%, list=25%, signal=29%
HAN_JNK_SINGALING_UP	HAN_JNK_SINGALING_UP	17	0.2621306	0.6613851	0.8363636	0.9574291	1	1696 tags=41%, list=34%, signal=62%
HELLEBREKERS_SILENCED_DURING_TUMOR_ANGIOGENE	HELLEBREKERS_SILENCED_C	51	0.201202	0.6608543	0.87689394	0.95781124	1	1427 tags=33%, list=29%, signal=46%
GO_RESPONSE_TO_VITAMIN_D	GO_RESPONSE_TO_VITAMI	18	0.23913333	0.66058475	0.84210527	0.95792264	1	62 tags=6%, list=1%, signal=6%
GSE25123_WT_VS_PPARG_KO_MACROPHAGE_IL4_STIM	GSE25123_WT_VS_PPARG_	59	0.15688573	0.6604578	0.99233717	0.9578772	1	1098 tags=22%, list=22%, signal=28%
GSE360_DONOVANI_VS_M_TUBERCULOSIS_MAC_DN	GSE360_DONOVANI_VS_	79	0.18215664	0.66034085	0.9193858	0.95781326	1	886 tags=20%, list=18%, signal=24%
GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_48H_C	GSE15930_STIM_VS_STIM_	65	0.18478854	0.66000664	0.9163265	0.9579914	1	411 tags=11%, list=8%, signal=12%
CHIANG_LIVER_CANCER_SUBCLASS_INTERFERON_DN	CHIANG_LIVER_CANCER_SL	22	0.22187996	0.6597324	0.88640594	0.95810175	1	227 tags=9%, list=5%, signal=9%
VSISR_01	VSISR_01	106	0.17505206	0.6589936	0.8899804	0.95870954	1	985 tags=18%, list=20%, signal=22%
GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_LH_UP	GSE18791_CTRL_VS_NEWC/	54	0.18007307	0.6587436	0.9386617	0.9587883	1	1768 tags=37%, list=35%, signal=57%
HUANG_GATA2_TARGETS_I	HUANG_GATA2_TARGETS_I	45	0.22425048	0.6577632	0.8125	0.9596146	1	622 tags=16%, list=12%, signal=18%
AACTGGGA_MIR-145	AACTGGGA_MIR-145	57	0.1847095	0.65771025	0.9336016	0.9594891	1	1505 tags=33%, list=30%, signal=47%
GNF2_FOS	GNF2_FOS	15	0.26927274	0.65735716	0.8320158	0.9596659	1	1513 tags=40%, list=30%, signal=57%
PIGF_UP_V1_DN	PIGF_UP_V1_DN	50	0.173155	0.65708816	0.9702602	0.9597679	1	1346 tags=30%, list=27%, signal=41%
GSE14415_FOXP3_KO_NATURAL_TREG_VS_TCONV_DN	GSE14415_FOXP3_KO_NATI	50	0.20469373	0.65701824	0.87103176	0.9596646	1	1058 tags=26%, list=21%, signal=33%
PTEN_DN_V2_UP	PTEN_DN_V2_UP	66	0.18781899	0.65690523	0.920904	0.9595954	1	1044 tags=23%, list=21%, signal=28%
GSE29949_DC_BRAIN_VS_MONOCYTE_BONE_MARROW	GSE29949_DC_BRAIN_VS_M	45	0.18594791	0.6567363	0.9317739	0.95958954	1	515 tags=11%, list=10%, signal=12%
GO_MYELOID_CELL_ACTIVATION_INVOLVED_IN_JMMUN	GO_MYELOID_CELL_ACTIVA	16	0.24667475	0.6557268	0.87969923	0.9603997	1	1170 tags=31%, list=23%, signal=41%
OSMAN_BLADDER_CANCER_DN	OSMAN_BLADDER_CANCEF	49	0.20966263	0.65555066	0.8562992	0.96040356	1	772 tags=20%, list=15%, signal=24%
RUAN_RESPONSE_TO_TNF_DN	RUAN_RESPONSE_TO_TNF_	37	0.23909214	0.65552974	0.77962965	0.9602511	1	1444 tags=41%, list=29%, signal=57%
NIKOLSKY_BREAST_CANCER_16P13_AMPLICON	NIKOLSKY_BREAST_CANCEF	29	0.23756537	0.6554168	0.84040403	0.9601806	1	945 tags=28%, list=19%, signal=34%
GSE2585_CTEC_VS_THYMIC_MACROPHAGE_UP	GSE2585_CTEC_VS_THYMIC	69	0.17325294	0.65502113	0.9442308	0.96039855	1	1630 tags=36%, list=33%, signal=53%
GSE25123_CTRL_VS_IL4_AND_ROSILGATZONE_STIM_M	GSE25123_CTRL_VS_IL4_AN	31	0.21447548	0.654952	0.860687	0.9602983	1	33 tags=6%, list=1%, signal=6%
GSE3982_BCELL_VS_EFF_MEMORY_CD4_TCELL_DN	GSE3982_BCELL_VS_EFF.ME	83	0.1657053	0.65423083	0.93873876	0.9608326	1	1276 tags=27%, list=26%, signal=35%
NAGASHIMA_NRG1_SINGALING_UP	NAGASHIMA_NRG1_SIGNA	74	0.19814214	0.6537097	0.88080806	0.9611751	1	1093 tags=26%, list=22%, signal=32%
GSE40274_FOXP3_VS_FOXP3_AND_IRF4_TRANSUDCED	GSE40274_FOXP3_VS_FOXP	68	0.18554908	0.6534541	0.91762453	0.96125525	1	801 tags=16%, list=16%, signal=19%
GSE9509_IPS_VS_IPS_AND_IL10_STIM_IL10_KO_MACRC	GSE9509_IPS_VS_IPS_AND	72	0.18087327	0.6533605	0.90059644	0.96117455	1	1425 tags=32%, list=29%, signal=44%
GO TRABECULA MORPHOGENESIS	GO TRABECULA MORPHOC	17	0.2399545	0.65329504	0.8451493	0.96106374	1	722 tags=18%, list=14%, signal=21%
GO_LIPID_TRANSPORTER_ACTIVITY	GO_LIPID_TRANSPORTER_A	33	0.19079593	0.6532925	0.92911875	0.9608907	1	1018 tags=18%, list=20%, signal=23%
NUYTEN_NIP1_TARGETS_UP	NUYTEN_NIP1_TARGETS_	265	0.15651926	0.65321434	0.95752895	0.9607886	1	1102 tags=19%, list=22%, signal=23%
GSE46606_IRF4_KO_VS_WT_CD40L_IL2_IL5_1DAY_STIM	GSE46606_IRF4_KO_VS_WT_	55	0.1698463	0.6530006	0.943609	0.96083504	1	1325 tags=25%, list=26%, signal=34%
GSE4748_CTRL_VS_CYANOBACTERIUM_LPSLIKE_STIM_D	GSE4748_CTRL_VS_CYANO	35	0.18415266	0.6529709	0.94223106	0.96069014	1	1854 tags=40%, list=37%, signal=63%
TCCTCTC_MIR-185	TCCTCTC_MIR-185	25	0.21047169	0.6529165	0.9239766	0.9605675	1	1841 tags=52%, list=37%, signal=82%
VSET1_B	VSET1_B	65	0.18094149	0.65267175	0.93445694	0.9606322	1	1294 tags=31%, list=26%, signal=41%
GSE6566_STRONG_VS_WEAK_CD_STIMULATED_CD4_TC	GSE6566_STRONG_VS_WEA	36	0.19312884	0.6523111	0.90943396	0.96080345	1	1076 tags=25%, list=22%, signal=32%
GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_3H_IF	GSE1925_CTRL_VS_IFNG_PR	47	0.1762845	0.6522631	0.97416973	0.9606759	1	1559 tags=34%, list=31%, signal=49%
GSE3982_NEUTROPHIL_VS_EFF_MEMORY_CD4_TCELL_U	GSE3982_NEUTROPHIL_VS_	35	0.2104343	0.65217686	0.87329435	0.96058583	1	1001 tags=26%, list=20%, signal=32%
GSE26023_PHD3_KO_VS_WT_NEUTROPHIL_HYPOXIA_U	GSE26023_PHD3_KO_VS_W	46	0.17698255	0.6518849	0.95348835	0.9607004	1	1460 tags=37%, list=29%, signal=52%
GO_ANGIOGENESIS	GO_ANGIOGENESIS	115	0.17729564	0.65175605	0.8914286	0.9606538	1	1791 tags=42%, list=36%, signal=64%
RPS14_DN_V1_UP	RPS14_DN_V1_UP	96	0.20275323	0.65145284	0.8217822	0.9607902	1	1058 tags=21%, list=21%, signal=26%
GSE17721_LPS_VS_GARDIQUIMOD_2H_BMDC_UP	GSE17721_LPS_VS_GARDIQ	68	0.17719774	0.65141743	0.9560878	0.9606484	1	764 tags=35%, list=31%, signal=50%
GSE1925_3H_VS_24H_IFNG_STIM_MACROPHAGE_DN	GSE1925_3H_VS_24H_IFNG	52	0.19252648	0.6513727	0.87109375	0.96051645	1	1137 tags=24%, list=22%, signal=31%
GSE41978_KLRG1_HIGH_VS_LOW_EFFECTOR_CD8_TCELI	GSE41978_KLRG1_HIGH_V	63	0.16868035	0.651336	0.9658444	0.96038526	1	1089 tags=19%, list=22%, signal=24%
GO_PHOSPHOLIPID_TRANSPORT	GO_PHOSPHOLIPID_TRANS	16	0.23025602	0.6512785	0.91288567	0.9602653	1	35 tags=6%, list=1%, signal=6%
GSE3920_UNTREATED_VS_IFNA_TREATED_ENDOTHELIA	GSE3920_UNTREATED_VS_I	45	0.20126274	0.6509941	0.8901961	0.96040994	1	1031 tags=22%, list=21%, signal=28%
GSE43863_TH1_VS_LV6C_INT_CKCRSP05_EFFECTOR_CD	GSE43863_TH1_VS_LV6C_IN	37	0.21125258	0.65055287	0.8638132	0.9606388	1	700 tags=16%, list=14%, signal=19%
GSE17186_BLOOD_VS_CORD_BLOOD_CD21HIGH_TRAN	GSE17186_BLOOD_VS_COR	51	0.17656338	0.6503058	0.94274807	0.9607062	1	793 tags=18%, list=16%, signal=21%
KEGG_APOPTOSIS	KEGG_APOPTOSIS	21	0.22803962	0.6498542	0.8691460	0.960958	1	427 tags=10%, list=9%, signal=10%
GSE19401_NAIVE_VS_IMMUNIZED_MOUSE_PLN_FOLLIC	GSE19401_NAIVE_VS_I	39	0.23738393	0.6496061	0.81338745	0.9610156	1	643 tags=15%, list=13%, signal=18%
GSE10325_CD4_TCELL_VS_B	GSE10325_CD4_TCELL_VS_B	85	0.20424841	0.6495767	0.8051181	0.9608684	1	1013 tags=21%, list=20%, signal=26%
WEINMANN_ADAPTATION_TO_HYPOXIA_UP	WEINMANN_ADAPTATION_	18	0.22563691	0.6493565	0.89017344	0.9609151	1	1041 tags=22%, list=21%, signal=28%
GSE1460_CD4_THYMOCYTE_VS_THYMIC_STROMAL_CEL	GSE1460_CD4_THYMOCYTE	75	0.19589356	0.649147	0.87931037	0.9609344	1	1279 tags=32%, list=26%, signal=42%
GERY_CBP_TARGETS	GERY_CBP_TARGETS	59	0.18854687	0.64823973	0.9138943	0.9615997	1	1311 tags=31%, list=26%, signal=41%
GSE4984_UNTREATED_VS_IPS_TREATED_CD_DN	GSE4984_UNTREATED_VS_I	34	0.18598561	0.6478368	0.9444444	0.9618634	1	1111 tags=24%, list=22%, signal=30%
REACTOME_SIGNALING_BY_GPCR	REACTOME_SIGNALING_BY	226	0.15222131	0.64778715	0.97330964	0.96173304	1	741 tags=14%, list=15%, signal=15%
PENG_RAPAMYCIN_RESPONSE_UP	PENG_RAPAMYCIN_RESPOP	59	0.18351083	0.6476036	0.9015748	0.961738	1	1060 tags=20%, list=21%, signal=26%
RGTAMWNTAT_VSHNF1_01	RGTAMWNTAT_VSHNF1_0	23	0.2131004	0.64748895	0.9197078	0.961675	1	1355 tags=30%, list=27%, signal=42%
PANGAS_TUMOR_SUPPRESSION_BY_SMD11_AND_SMA	PANGAS_TUMOR_SUPPRES	51	0.19097666	0.64715964	0.90304184	0.96180344	1	916 tags=24%, list=18%, signal=29%
GSE17974_OH_VS_2H_IN_VITRO_ACT_CD4_TCELL_DN	GSE17974_OH_VS_2H_IN_VI	41	0.18786463	0.6468566	0.92828685	0.9619152	1	1519 tags=32%, list=30%, signal=45%
GO_REGULATION_OF_SEQUESTERING_OF_CALCMIUM_D	GO_REGULATION_OF_SEQU	39	0.21401721	0.64674675	0.8735849	0.9618487	1	650 tags=15%, list=13%, signal=18%
GAVIN_FOXP3_TARGETS_CLUSTER_P7	GAVIN_FOXP3_TARGETS_CL	34	0.20217815	0.6465338	0.90729785	0.9618776	1	920 tags=21%, list=18%, signal=25%
RAAGNYNNCTY_UNKNOWN	RAAGNYNNCTY_UNKNOWN	42	0.19164252	0.6				



GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_6H_1	GSE34156_NOD2_LIGAND_1	57	0.17358607	0.6057358	0.94095236	0.97255313	1	389 tags=11%, list=8%, signal=11%
GO_CELLULAR_ALDEHYDE_METABOLIC_PROCESS	GO_CELLULAR_ALDEHYDE	17	0.21422103	0.60515447	0.9306569	0.9727791	1	381 tags=12%, list=8%, signal=13%
GSE3720_UNSTIM_VS_STIM_V01_GAMMADelta_T	GSE3720_UNSTIM_VS_LPS_1	39	0.18609646	0.60515447	0.9340426	0.9726158	1	446 tags=13%, list=9%, signal=14%
YAMASHITA_LIVER_CANCER_STEM_CELL_DN	YAMASHITA_LIVER_CANCER	31	0.19459955	0.6046397	0.93690246	0.97278094	1	1 tags=3%, list=0%, signal=3%
GSE5589_LPS_VS_LPS_AND_IL10_STIM_MACROPHAGE_1	GSE5589_LPS_VS_LPS_AND_KRAS_300_UP_V1_UP	57	0.17038697	0.6041041	0.97341514	0.9729852	1	626 tags=11%, list=13%, signal=12%
GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_H	GSE30971_CTRL_VS_LPS_ST_GSE22886_NAIVE_TCELL_VS_DC_DN	38	0.19247799	0.6032145	0.93307084	0.97324646	1	674 tags=12%, list=13%, signal=14%
GSE22886_NAIVE_TCELL_VS_DC_DN	GSE22886_NAIVE_TCELL_VS_GSE10240_CTRL_VS_IL17_STIM_PRIMARY_BRONCHIAL	41	0.17415753	0.6037044	0.93957114	0.97317725	1	1658 tags=34%, list=33%, signal=51%
GSE10240_CTRL_VS_IL17_STIM_PRIMARY_BRONCHIAL	GSE10240_CTRL_VS_IL17_ST_GSE43955_TGFB_IL6_VS_TGFB_IL6_IL23_TH17_ACT_CD4	42	0.17463699	0.6030386	0.94541913	0.9730271	1	1346 tags=26%, list=27%, signal=36%
GSE43955_TGFB_IL6_VS_TGFB_IL6_IL23_TH17_ACT_CD4	GSE43955_TGFB_IL6_VS_TGRI	54	0.17682124	0.6027104	0.9345238	0.9730906	1	1769 tags=39%, list=35%, signal=60%
GRIETZMANN_PANCREATIC_CANCER_UP	GRIETZMANN_PANCREATI	136	0.1714131	0.60238594	0.908	0.9731349	1	1280 tags=28%, list=26%, signal=37%
GSE18281_MEDULLARY_THYMOCYTE_VS_WHOLE_MEDI	GSE18281_MEDULLARY_TH_GSE22935_WT_VS_MYD88_I	41	0.18255956	0.601323	0.93426293	0.9736672	1	1262 tags=27%, list=25%, signal=36%
GSE22935_WT_VS_MYD88_KO_MACROPHAGE_48H_MB	GSE22935_WT_VS_MYD88_I	49	0.19380702	0.60078865	0.9229209	0.9738349	1	384 tags=10%, list=8%, signal=11%
LINDGREN_BLIADDER_CANCER_HIGH_RECURRENCE	LINDGREN_BLIADDER_CANC	20	0.22317225	0.6005324	0.8636364	0.9738308	1	1756 tags=55%, list=35%, signal=64%
GO_MULTICELLULAR_ORGANISM_METABOLIC_PROCES	GO_MULTICELLULAR_ORGA	49	0.19783339	0.6004346	0.88291746	0.97371846	1	1699 tags=43%, list=34%, signal=64%
GSE39152_BRAIN_VS_SPLEEN_CD103_NEG_MEMORY_C	GSE39152_BRAIN_VS_SPLEE	48	0.16908564	0.5999067	0.9617591	0.97389776	1	1574 tags=29%, list=31%, signal=42%
GO_IMMUNE_SYSTEM_DEVELOPMENT	GO_IMMUNE_SYSTEM_DEV	192	0.16438021	0.5997361	0.9347826	0.97383195	1	893 tags=18%, list=18%, signal=21%
VANHARANTA_UTERINE_FIBROID_UP	VANHARANTA_UTERINE_FIB	26	0.20688766	0.5992832	0.9189723	0.9739739	1	1808 tags=50%, list=36%, signal=78%
GSE17301_CTRL_VS_48H_ACD3_ACD28_STIM_CD8_TCE	GSE17301_CTRL_VS_48H_A_GSE34156_TLR1_TLR2_LIGAND_VS_NOD2_AND_TLR1_T	59	0.16756566	0.59917428	0.9619695	0.9738799	1	693 tags=15%, list=14%, signal=17%
GSE34156_TLR1_TLR2_LIGAND_VS_NOD2_AND_TLR1_T	GSE34156_TLR1_TLR2_LIGAI	51	0.18645053	0.5991558	0.9221279	0.9737206	1	977 tags=20%, list=20%, signal=24%
GSE360_LMAJOR_VS_B_MALAYI_LOW_DOSE_MAC_UP	GSE360_LMAJOR_VS_B_M_GSE36891_UNSTIM_VS_POLYIC_TLR3_STIM_PERITONEA	61	0.17264332	0.5990589	0.9611452	0.9736056	1	718 tags=15%, list=14%, signal=17%
GSE36891_UNSTIM_VS_POLYIC_TLR3_STIM_PERITONEA	GSE36891_UNSTIM_VS_POL_GSE27434_WT_VS_DNMT1_KO_TREG_DN	82	0.16714695	0.59810954	0.95126706	0.974047	1	1383 tags=30%, list=28%, signal=41%
GSE27434_WT_VS_DNMT1_KO_TREG_DN	GSE27434_WT_VS_DNMT1_KO_BLOOD_MICROPARTICLE	62	0.17817691	0.5979137	0.95472443	0.9740109	1	1515 tags=37%, list=30%, signal=53%
GO_BLOOD_MICROPARTICLE	GO_BLOOD_MICROPARTICLE	47	0.1674592	0.5976277	0.9731286	0.97403425	1	761 tags=13%, list=15%, signal=17%
GSE9988_ANTL_TREM1_AND_LPS_VS_VEHICLE_TRE	GSE9988_ANTL_TREM1_AND_GSE9988_ANTL_TREM1_ANE	27	0.22386377	0.59746283	0.8050579	0.9739696	1	927 tags=22%, list=19%, signal=27%
GO_POSITIVE_REGULATION_OF_LEUKOCYTE_PROLIFER	GO_POSITIVE_REGULATION	59	0.21365012	0.59658456	0.82846004	0.9743512	1	276 tags=8%, list=6%, signal=9%
GSE34156_UNTREATED_VS_24H_NOD2_LIGAND_TREATI	GSE34156_UNTREATED_VS_GO_RUFFLE_MBRANE	48	0.17739704	0.59617484	0.93306285	0.9744516	1	404 tags=10%, list=8%, signal=11%
GO_RUFFLE_MBRANE	CHR4Q21	19	0.2129047	0.5957431	0.9220273	0.9745576	1	941 tags=21%, list=19%, signal=26%
CHR4Q21	GO_CELLULAR_RESPONSE_TO_CALCIIUM_ION	24	0.18672152	0.5948735	0.95795244	0.9749405	1	317 tags=8%, list=6%, signal=9%
GO_CELLULAR_RESPONSE_TO_CALCIIUM_ION	RYTAAWNNNTGAY_UNKNOW	21	0.20168726	0.5947249	0.9261364	0.9748712	1	1243 tags=24%, list=25%, signal=32%
RYTAAWNNNTGAY_UNKNOW	FURUKAWA_DUSP6_TARGETS_PC135_UP	27	0.19673439	0.59459096	0.953125	0.9747866	1	1093 tags=30%, list=22%, signal=38%
FURUKAWA_DUSP6_TARGETS_PC135_UP	GSE23321_CDB_STEM_CELL_MEMORY_VS_CENTRAL_M	38	0.18472105	0.59458673	0.9389313	0.9746181	1	385 tags=11%, list=8%, signal=11%
GSE23321_CDB_STEM_CELL_MEMORY_VS_CENTRAL_M	GSE17974_OH_VS_72H_IN_VITRO_ACT_CD4_TCELL_UP	17	0.20899282	0.59404856	0.9382716	0.97480375	1	790 tags=18%, list=16%, signal=21%
GSE17974_OH_VS_72H_IN_VITRO_ACT_CD4_TCELL_UP	GSE17974_OH_VS_72H_IN_VITRO_ACT_CD4_TCELL_UP	49	0.17452113	0.59355455	0.9656566	0.97493196	1	1387 tags=31%, list=28%, signal=42%
GSE17974_OH_VS_72H_IN_VITRO_ACT_CD4_TCELL_UP	GSE17974_OH_VS_72H_IN_VITRO_ACT_CD4_TCELL_UP	26	0.21261594	0.5935385	0.9134438	0.97477096	1	1218 tags=31%, list=24%, signal=40%
GSE11961_FOLLICULAR_BCELL_VS_PLASMA_CELL_DAY7	GSE11961_FOLLICULAR_BCI	48	0.17069695	0.5933171	0.9613153	0.97474813	1	1183 tags=23%, list=24%, signal=30%
GO_CHEMOATTRACTANT_ACTIVITY	GO_CHEMOATTRACTANT_#	16	0.2241733	0.59330964	0.90221405	0.9745799	1	1482 tags=38%, list=30%, signal=53%
GO_CHEMOATTRACTANT_ACTIVITY	GSE17721_POLYIC_VS_PAM3CSK4_4H_BMDC_DN	29	0.19197501	0.593308	0.93890023	0.9744099	1	1444 tags=34%, list=29%, signal=48%
GSE17721_POLYIC_VS_PAM3CSK4_4H_BMDC_DN	GO_PROTEIN_LIPID_COMPLEX	15	0.2281655	0.59285533	0.92178774	0.9745117	1	959 tags=20%, list=19%, signal=25%
GO_PROTEIN_LIPID_COMPLEX	DIAZ_CHRONIC_MEYLOGENOUS_LEUKEMIA_DN	50	0.18942559	0.5915385	0.9280156	0.97514015	1	1434 tags=30%, list=29%, signal=42%
DIAZ_CHRONIC_MEYLOGENOUS_LEUKEMIA_DN	CORRE_MULTIPLE_MYELOMA_UP	38	0.18645337	0.59151673	0.94464946	0.97498316	1	1542 tags=37%, list=31%, signal=53%
CORRE_MULTIPLE_MYELOMA_UP	SHIPP_DBLCL_CURED_VS_FATAL_UP	16	0.2176078	0.5914359	0.9431193	0.97486323	1	563 tags=13%, list=11%, signal=14%
SHIPP_DBLCL_CURED_VS_FATAL_UP	GSE14769_UNSTIM_VS_120MIN_LPS_BMDC_DN	73	0.17912802	0.59105915	0.9352818	0.9749215	1	503 tags=12%, list=10%, signal=14%
GSE14769_UNSTIM_VS_120MIN_LPS_BMDC_DN	BILBAN_B_CLL_LPL_DN	19	0.21717659	0.5909512	0.91129035	0.97482574	1	1349 tags=32%, list=27%, signal=43%
BILBAN_B_CLL_LPL_DN	GSE17721_0.5H_VS_8H_PAM3CSK4_BMDC_UP	30	0.17667174	0.59055215	0.9766082	0.9749022	1	1582 tags=40%, list=32%, signal=58%
GSE17721_0.5H_VS_8H_PAM3CSK4_BMDC_UP	GSE41176_UNSTIM_VS_ANTL_IIGM_STIM_BCELL_IL2_DN	45	0.20318727	0.5893769	0.8670757	0.975449	1	881 tags=18%, list=18%, signal=21%
GSE41176_UNSTIM_VS_ANTL_IIGM_STIM_BCELL_IL2_DN	GSE22611_MUTANT_NOD2_TRANSDUCCED_VS_CTRL_HE	45	0.1596734	0.5893516	0.98073076	0.9752965	1	1137 tags=24%, list=23%, signal=31%
GSE22611_MUTANT_NOD2_TRANSDUCCED_VS_CTRL_HE	GO_REGULATION_OF_BONE_REMODELING	19	0.20802052	0.58909094	0.93904763	0.97529185	1	1327 tags=26%, list=27%, signal=36%
GO_REGULATION_OF_BONE_REMODELING	VSETS_Q4	65	0.16784973	0.5886391	0.9594595	0.9753954	1	1210 tags=22%, list=24%, signal=28%
VSETS_Q4	VSELK1_02	20	0.18670121	0.58791655	0.97109824	0.9756642	1	1301 tags=30%, list=26%, signal=40%
VSELK1_02	GO_POSITIVE_REGULATION_OF_RECEPTOR_ACTIVITY	15	0.20568662	0.58743274	0.970696	0.9757584	1	1383 tags=33%, list=28%, signal=46%
GO_POSITIVE_REGULATION_OF_RECEPTOR_ACTIVITY	GSE411_UNSTIM_VS_100MIN_IL6_STIM_S0C53_KO_MA	36	0.1766447	0.5870942	0.9500998	0.9758166	1	1139 tags=25%, list=23%, signal=32%
GSE411_UNSTIM_VS_100MIN_IL6_STIM_S0C53_KO_MA	GSE13738_RESTING_VS_BYSTANDER_ACTIVATED_CD4_1	40	0.19988082	0.5867742	0.8818737	0.9758367	1	855 tags=20%, list=17%, signal=24%
GSE13738_RESTING_VS_BYSTANDER_ACTIVATED_CD4_1	GSE11924_TH2_VS_TH17_CD4_TCELL_UP	54	0.15725328	0.5867708	0.9908759	0.9756684	1	578 tags=11%, list=12%, signal=12%
GSE11924_TH2_VS_TH17_CD4_TCELL_UP	GO_REGULATION_OF_INTERLEUKIN_6_PRODUCTION	44	0.18479311	0.58655363	0.9419729	0.97561115	1	1190 tags=25%, list=24%, signal=33%
GO_REGULATION_OF_INTERLEUKIN_6_PRODUCTION	HIRSCHELL_CELLULAR_TRANSFORMATION_SIGNATURE_DP	34	0.1770129	0.5860721	0.9621212	0.97571963	1	1447 tags=35%, list=29%, signal=49%
HIRSCHELL_CELLULAR_TRANSFORMATION_SIGNATURE_DP	GSE29615_CTRL_VS_DAY7_I	45	0.155661	0.5854101	0.98507464	0.9759446	1	96 tags=4%, list=2%, signal=4%
GSE29615_CTRL_VS_DAY7_I	CROMER_TUMORIGENESIS_DN	35	0.18661264	0.5850047	0.95729536	0.9760074	1	1133 tags=26%, list=23%, signal=33%
CROMER_TUMORIGENESIS_DN	KEGG_GLYCOLYSIS_GLUconeogenesis	18	0.19427775	0.58498377	0.94924814	0.975851	1	1450 tags=33%, list=29%, signal=47%
KEGG_GLYCOLYSIS_GLUconeogenesis	GSE43955_1H_VS_42H_ACT_CD4_TCELL_WITH_TGFB_IL6	34	0.17973831	0.5848892	0.96184736	0.9757297	1	1779 tags=44%, list=36%, signal=68%
GSE43955_1H_VS_42H_ACT_CD4_TCELL_WITH_TGFB_IL6	GO_REGULATION_OF_CHEMOTAXIS	84	0.17900047	0.58485335	0.9199219	0.97585334	1	1395 tags=29%, list=28%, signal=39%
GO_REGULATION_OF_CHEMOTAXIS	GO_NEGATIVE_REGULATION_OF_INFLAMMATORY_RES	37	0.17840919	0.5847738	0.9587242	0.9754644	1	1407 tags=26%, list=28%, signal=36%
GO_NEGATIVE_REGULATION_OF_INFLAMMATORY_RES	GO_RETINA_HOMEOSTASIS	22	0.18722565	0.5845891	0.9441233	0.9754009	1	1653 tags=41%, list=33%, signal=61%
GO_RETINA_HOMEOSTASIS	KRAS_600_UP_V1_UP	145	0.14344378	0.58376163	0.9982301	0.9756975	1	718 tags=11%, list=14%, signal=13%
KRAS_600_UP_V1_UP	CAGNWCMNCNGAC_UNKNOW	24	0.19417293	0.583694	0.9574468	0.9756376	1	1228 tags=25%, list=25%, signal=33%
CAGNWCMNCNGAC_UNKNOW	OSWALD_HEMATOPOIETIC_STEM_CELL_IN_COLLAGE	85	0.16492203	0.5826656	0.95542634	0.9759801	1	1508 tags=33%, list=30%, signal=46%
OSWALD_HEMATOPOIETIC_STEM_CELL_IN_COLLAGE	MODULE_280	27	0.18464611	0.5823547	0.9463602	0.9759819	1	1699 tags=37%, list=34%, signal=56%
MODULE_280	GSE360_DONOVANI_VS_B_MALAYI_LOW_DOSE_MAC	46	0.16021352	0.5816896	0.97790056	0.9762102	1	1043 tags=20%, list=21%, signal=24%
GSE360_DONOVANI_VS_B_MALAYI_LOW_DOSE_MAC	GSE9037_CTRL_VS_LPS_4H	38	0.16893542	0.5816228	0.98221344	0.97607726	1	1439 tags=32%, list=29%, signal=44%
GSE9037_CTRL_VS_LPS_4H	GSE33425_CDB_ALPHAALPHA_VS_CELPHABETA_CD161_1	46	0.19535288	0.5800638	0.8901961	0.97678936	1	877 tags=17%, list=18%, signal=21%
GSE33425_CDB_ALPHAALPHA_VS_CELPHABETA_CD161_1	GO_CALCIIUM_DEPENDENT_CELL_CELL_ADHESION_VIA	17	0.23220605	0.5798849	0.9050388	0.9767219	1	2159 tags=59%, list=43%, signal=103%
GO_CALCIIUM_DEPENDENT_CELL_CELL_ADHESION_VIA	GSE17721_POLYIC_VS_GARDIQUIMOD_0.5H_BMDC_UP	35	0.15589327	0.5798423	0.9962963	0.9765741	1	1287 tags=25%, list=26%, signal=33%
GSE17721_POLYIC_VS_GARDIQUIMOD_0.5H_BMDC_UP	GO_ALCOHOL_BINDING	32	0.16608085	0.5795007	0.9797794	0.9765913	1	1089 tags=22%, list=22%, signal=28%
GO_ALCOHOL_BINDING	GSE30962_ACUTE_VS_CHRONIC_LCMV_PRIMARY_INF_C	57	0.1729134	0.5791233	0.9375	0.9766248	1	1530 tags=33%, list=31%, signal=47%
GSE30962_ACUTE_VS_CHRONIC_LCMV_PRIMARY_INF_C	GO_REGULATION_OF_POSTSYNAPTIC_MEMBRANE_POT	18	0.20242591	0.57866424	0.96204937	0.9767105	1	1908 tags=39%, list=38%, signal=63%
GO_REGULATION_OF_POSTSYNAPTIC_MEMBRANE_POT	QL_PLASMACYTOMA_DN	37	0.18546806	0.5784276	0.93660533	0.97667277	1	1163 tags=24%, list=23%, signal=31%
QL_PLASMACYTOMA_DN	GO_POSITIVE_REGULATION_OF_MESENCHYMAL_CELL	15	0.20550066	0.5780473	0.94057375	0.97671694	1	53 tags=7%, list=1%, signal=7%
GO_POSITIVE_REGULATION_OF_MESENCHYMAL_CELL	STEARMAN_TUMOR_FIELD_EFFECT_UP	16	0.22439149	0.57733476	0.9318637	0.97693133	1	492 tags=13%, list=10%, signal=14%
STEARMAN_TUMOR_FIELD_EFFECT_UP	MODULE_324	84	0.1681611	0.5768248	0.9466403	0.97703713	1	222 tags=6%, list=4%, signal=6%
MODULE_324	GSE32901_TH17_EMERICED_VS_TH17_NEG_CD4_TCELL	43	0.17082918	0.5763176	0.9768786	0.97714585	1	910 tags=21%, list=18%, signal=25%
GSE32901_TH17_EMERICED_VS_TH17_NEG_CD4_TCELL	GSE3982_EOSINOPHIL_VS_MAC_UP	49	0.15785378	0.576286	0.96635514	0.9769898	1	1581 tags=29%, list=32%, signal=41%
GSE3982_EOSINOPHIL_VS_MAC_UP	GSE10325_BCELL_VS_MYELOID_DN	71	0.18391109	0.5752079	0.90132827	0.9773966	1	913 tags=18%, list=18%, signal=22%
GSE10325_BCELL_VS_MYELOID_DN	GSE16385_ROSIGLITAZONE_IFNG_TNF_VS_IL4_STIM_M	65	0.					



CHR16Q22	CHR16Q22	18	0.2028576	0.5656676	0.94208497	0.97781414	1	1312	tags=28%, list=26%, signal=38%
GSE7852_LN_VS_FAT_TCONV_DN	GSE7852_LN_VS_FAT_TCONV	73	0.1612283	0.56516653	0.969112	0.97789174	1	913	tags=19%, list=18%, signal=23%
HALLMARK_APICAL_JUNCTION	HALLMARK_APICAL_JUNCTION	71	0.16052218	0.5651514	0.97795594	0.9777287	1	226	tags=6%, list=5%, signal=6%
GSE9988_LPS_VS_CTRL_TREATED_MONOCYTE_DN	GSE9988_LPS_VS_CTRL_TRE	20	0.20593838	0.5650916	0.9213052	0.9775907	1	708	tags=15%, list=14%, signal=17%
REACTOME_CELL_JUNCTION_ORGANIZATION	REACTOME_CELL_JUNCTION	29	0.18857174	0.5646706	0.95384616	0.9776078	1	1895	tags=41%, list=38%, signal=66%
GSE3920_UNTREATED_VS_IFNA_TREATED_ENDOTHELIA	GSE3920_UNTREATED_VS_I	45	0.1804536	0.5640673	0.9443299	0.9777321	1	933	tags=18%, list=19%, signal=22%
CHR13Q12	CHR13Q12	17	0.19439657	0.56339103	0.967433	0.9778886	1	1875	tags=59%, list=58%, signal=94%
GSE3610_MAJOR_VS_B_MALAYI_HIGH_DOSE_MAC_UP	GSE3610_MAJOR_VS_B_M	71	0.16530117	0.5630442	0.9791232	0.9778786	1	1282	tags=24%, list=26%, signal=32%
HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_1_UP	HERNANDEZ_MITOTIC_ARR	25	0.1735079	0.560881	0.96532845	0.97872734	1	2079	tags=52%, list=42%, signal=89%
HALLMARK_KRAS_SIGNALING_UP	HALLMARK_KRAS_SIGNALD	102	0.16349337	0.56007683	0.958498	0.9788995	1	1096	tags=19%, list=22%, signal=23%
GO_STRUCTURAL_CONSTITUENT_OF_MUSCLE	GO_STRUCTURAL_CONSTIT	17	0.18645066	0.55931383	0.9769674	0.97909737	1	1113	tags=18%, list=22%, signal=23%
GO_POSITIVE_REGULATION_OF_INTERLEUKIN_8_PROD	GO_POSITIVE_REGULATION	20	0.20392467	0.55927587	0.9209979	0.97894484	1	1381	tags=30%, list=28%, signal=41%
GSE36476_CTRL_VS_TSST_ACT_16H_MEMORY_CD4_TCE	GSE36476_CTRL_VS_TSST_A	68	0.17891744	0.55824655	0.94621515	0.9792365	1	1442	tags=26%, list=29%, signal=37%
GO_ERBB_SIGNALING_PATHWAY	GO_ERBB_SIGNALING_PATH	25	0.1724947	0.5577917	0.98	0.9792726	1	1534	tags=32%, list=31%, signal=46%
GO_REGULATION_OF_RESPONSE_TO_EXTERNAL_STIMU	GO_REGULATION_OF_RESP	325	0.14229573	0.5574904	0.9866412	0.97925243	1	643	tags=12%, list=13%, signal=13%
GSE28408_LY6G_POS_VS_NEG_DC_UP	GSE28408_LY6G_POS_VS_N	43	0.15970294	0.55731326	0.987315	0.97914755	1	1178	tags=21%, list=24%, signal=27%
GO_REGULATION_OF_PHAGOCYTOSIS	GO_REGULATION_OF_PHAC	23	0.19627498	0.557295	0.96204937	0.9789866	1	1379	tags=30%, list=28%, signal=42%
GROSS_HYPOXIA_VIA_HIF1A_DN	GROSS_HYPOXIA_VIA_HIF1	40	0.1674072	0.5569612	0.97475725	0.9789716	1	1634	tags=33%, list=33%, signal=48%
ZHAN_MULTIPLE_MYELOMA_HP_UP	ZHAN_MULTIPLE_MYELOM	19	0.19808593	0.55679446	0.94223106	0.9788758	1	1164	tags=26%, list=23%, signal=34%
SCHOEN_NFKB_SIGNALING	SCHOEN_NFKB_SIGNALING	26	0.20527607	0.5548899	0.94057375	0.9795685	1	1572	tags=35%, list=31%, signal=50%
GO_T_CELL_ACTIVATION_INVOLVED_IN_IMMUNE_RESP	GO_T_CELL_ACTIVATION_IN	24	0.22765778	0.55347353	0.88080806	0.9800183	1	10	tags=4%, list=0%, signal=4%
VSCETS1P54_01	VSCETS1P54_01	27	0.17484383	0.55258536	0.9769912	0.98022914	1	1422	tags=30%, list=28%, signal=41%
MORF_IL4	MORF_IL4	71	0.15428296	0.55230755	0.98351645	0.9801855	1	1583	tags=32%, list=32%, signal=47%
GSE2197_IMMUNOSUPPRESSIVE_DNA_VS_UNTREATED	GSE2197_IMMUNOSUPPRE	12	0.16296753	0.55087656	0.9653768	0.9806218	1	1397	tags=27%, list=28%, signal=37%
REACTOME_DEGRADATION_OF_THE_EXTRACELLULAR_I	REACTOME_DEGRADATION	17	0.19994491	0.55034876	0.9516441	0.98068035	1	1699	tags=35%, list=34%, signal=53%
GSE42021_CD24HI_VS_CD24INT_TCONV_THYMUS_DN	GSE42021_CD24HI_VS_CD2	71	0.16789177	0.54998803	0.95791584	0.98066497	1	651	tags=11%, list=13%, signal=13%
GSE3982_EFF_MEMORY_CD4_TCELL_VS_NKCELL_UP	GSE3982_EFF_MEMORY_CD	52	0.15207584	0.5499467	0.99021524	0.98051184	1	499	tags=10%, list=10%, signal=11%
GSE27786_ERYTHROBLAST_VS_NEUTROPHIL_DN	GSE27786_ERYTHROBLAST	21	0.17236634	0.54969855	0.9859155	0.98044443	1	1612	tags=43%, list=23%, signal=63%
CHR1P22	CHR1P22	27	0.19206196	0.5481449	0.94174755	0.9809314	1	1560	tags=37%, list=31%, signal=54%
GSE29949_CD8_NEG_DC_SPLEEN_VS_CD8_POS_DC_SPL	GSE29949_CD8_NEG_DC_SF	60	0.1508412	0.5480152	0.9846449	0.9808229	1	830	tags=13%, list=17%, signal=16%
GO_CARBOHYDRATE_BINDING	GO_CARBOHYDRATE_BINDI	90	0.15483586	0.5475617	0.97859925	0.98084205	1	852	tags=16%, list=17%, signal=18%
GSE9988_ANTI_TREM1_VS_LPS_MONOCYTE_UP	GSE9988_ANTI_TREM1_VS_I	51	0.15589273	0.5475568	0.9889094	0.98067486	1	1003	tags=18%, list=20%, signal=22%
GO_REGULATION_OF_TRANSCRIPTION_FACTOR_IMPORT	GO_REGULATION_OF_TRAN	28	0.18827508	0.5471621	0.9592668	0.98066545	1	933	tags=18%, list=19%, signal=27%
GSE15735_CTRL_VS_HDAC_INHIBITOR_TREATED_CD4_T	GSE15735_CTRL_VS_HDAC	47	0.16296002	0.5466447	0.9677419	0.98071015	1	1311	tags=28%, list=26%, signal=37%
GSE37605_TREG_VS_TCONV_NOD_FOXP3_FUSION_GFP	GSE37605_TREG_VS_TCONV	50	0.16689313	0.5457613	0.9798387	0.9808874	1	993	tags=16%, list=20%, signal=20%
GO_REGULATION_OF_ACTIVATED_T_CELL_PROLIFERATI	GO_REGULATION_OF_ACTN	17	0.20965181	0.54569346	0.96190476	0.9807461	1	1302	tags=35%, list=26%, signal=48%
GO_KINASE_ACTIVATOR_ACTIVITY	GO_KINASE_ACTIVATOR_AC	18	0.18667202	0.54546267	0.9728682	0.98067675	1	4069	tags=100%, list=81%, signal=535%
GO_LEUKOCYTE_PROLIFERATION	GO_LEUKOCYTE_PROLIFERA	34	0.20958459	0.54471135	0.8815534	0.98080033	1	882	tags=15%, list=18%, signal=18%
GSE11864_CSF1_PAM3CV5_VS_CSF1_IPMG_PAM3CV5_I	GSE11864_CSF1_PAM3CV5	50	0.18034966	0.5445566	0.93711966	0.98069066	1	570	tags=12%, list=11%, signal=13%
GTGTTGAMIR-505	GTGTTGAMIR-505	18	0.18906459	0.54388475	0.97407407	0.980789	1	545	tags=11%, list=11%, signal=12%
GSE21546_UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_T	GSE21546_UNSTIM_VS_ANTI	71	0.17258848	0.5435684	0.8964844	0.9807357	1	906	tags=15%, list=18%, signal=19%
GSE19888_ADENOSINE_A3R_INH_VS_ACT_WITH_INHIBI	GSE19888_ADENOSINE_A3I	58	0.17035595	0.5411835	0.9963964	0.9815207	1	1685	tags=31%, list=34%, signal=46%
GSE3982_MAST_CELL_VS_NEUTROPHIL_DN	GSE3982_MAST_CELL_VS_N	57	0.1549106	0.5391997	0.9941061	0.98208547	1	1737	tags=35%, list=35%, signal=53%
GSE9988_LOW_LPS_VS_VEHICLE_TREATED_MONOCYTE	GSE9988_LOW_LPS_VS_VEH	26	0.19374226	0.53867686	0.92911875	0.98211026	1	989	tags=23%, list=20%, signal=28%
GSE360_DC_VS_MAC_B_MALAYI_HIGH_DOSE_DN	GSE360_DC_VS_MAC_B_MA	63	0.15211925	0.5374142	0.9790476	0.98238033	1	1615	tags=32%, list=32%, signal=46%
CCCNMNNNAAGWTK_UNKNOWN	CCCNMNNNAAGWTK_UNKN	16	0.18960977	0.5371607	0.962818	0.9823105	1	1751	tags=44%, list=35%, signal=67%
GSE17974_CTRL_VS_ACT_IL4_AND_ACT_IL12_0.5H_CD4	GSE17974_CTRL_VS_ACT_IL	41	0.17182842	0.53659207	0.9540918	0.9823521	1	269	tags=7%, list=5%, signal=8%
BOYLAN_MULTIPLE_MYELOMA_CN_CLUSTER_DN	BOYLAN_MULTIPLE_MYELO	17	0.1843036	0.53625673	0.96484375	0.98230386	1	1449	tags=29%, list=29%, signal=41%
ZHAN_MULTIPLE_MYELOMA_UP	ZHAN_MULTIPLE_MYELOM	15	0.20098066	0.5353355	0.9530612	0.982477	1	640	tags=13%, list=13%, signal=15%
GSE17721_POLYIC_VS_PAM3K54_16H_BMDC_DN	GSE17721_POLYIC_VS_PAM	26	0.16235133	0.53526324	0.99408287	0.98233855	1	268	tags=8%, list=5%, signal=8%
GSE27786_LSK_VS_ERYTHROBLAST_UP	GSE27786_LSK_VS_ERYTHR	23	0.17074698	0.5349368	0.98821217	0.98229086	1	638	tags=13%, list=13%, signal=15%
GSE6259_CD4_TCELL_VS_CD8_TCELL_DN	GSE6259_CD4_TCELL_VS_C	46	0.1716926	0.53484875	0.9513109	0.9821586	1	1192	tags=28%, list=24%, signal=37%
GO_PROTEIN_TYROSINE_KINASE_BINDING	GO_PROTEIN_TYROSINE_KI	18	0.18384086	0.5336578	0.98327136	0.98244447	1	314	tags=11%, list=6%, signal=12%
PID_AMB2_NEUTROPHILS_PATHWAY	PID_AMB2_NEUTROPHILS_F	15	0.21382385	0.5328769	0.9327731	0.98255706	1	785	tags=13%, list=16%, signal=16%
UZONYI_RESPONSE_TO_LEUKOTRIENE_AND_THROMBIN_UZONYI_RESPONSE_TO_LEI	UZONYI_RESPONSE_TO_LEI	22	0.22058758	0.5325185	0.89299613	0.98252064	1	1460	tags=41%, list=29%, signal=58%
GSE7348_LPS_VS_TOLERIZED_AND_LPS_STIM_MACROP	GSE7348_LPS_VS_TOLERIZ	42	0.16214894	0.5294152	0.99	0.98345566	1	1426	tags=29%, list=29%, signal=40%
GO_REGULATION_OF_RESPONSE_TO_CYTOKINE_STIMU	GO_REGULATION_OF_RESP	37	0.1706203	0.52697	0.978389	0.98411876	1	1541	tags=32%, list=31%, signal=47%
BEIER_GLIOMA_STEM_CELL_DN	BEIER_GLIOMA_STEM_CELL	17	0.17929399	0.526215	0.97705543	0.9841952	1	987	tags=24%, list=20%, signal=29%
CHR21Q22	CHR21Q22	50	0.15671022	0.52536213	0.98464449	0.9842982	1	309	tags=8%, list=6%, signal=8%
TOMKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_GRAN	TOMKS_TARGETS_OF_RUNX	18	0.19355354	0.52531105	0.94666666	0.984143	1	1322	tags=28%, list=26%, signal=38%
GSE3982_DC_VS_CENT_MEMORY_CD4_TCELL_DN	GSE3982_DC_VS_CENT_MEI	55	0.16452672	0.5252320	0.9740519	0.98399603	1	1184	tags=24%, list=24%, signal=31%
GSE36527_CD62L_HIGH_CD69_NEG_VS_CD62L_LOW_CT	GSE36527_CD62L_HIGH_CD	47	0.14895336	0.5252165	0.98490568	0.98383313	1	1426	tags=26%, list=29%, signal=35%
GSE17721_0.5H_VS_12H_CPG_BMDC_DN	GSE17721_0.5H_VS_12H_C	43	0.16893033	0.52446306	0.9685656	0.98391545	1	89	tags=5%, list=2%, signal=5%
GSE36476_CTRL_VS_TSST_ACT_40H_MEMORY_CD4_TCE	GSE36476_CTRL_VS_TSST_A	61	0.16274361	0.5230697	0.9771429	0.9841921	1	1442	tags=26%, list=29%, signal=36%
GSE29618_PDC_VS_MDC_DAV7_FLU_VACCINE_DN	GSE29618_PDC_VS_MDC_D	75	0.16499794	0.5223066	0.9447732	0.98426366	1	445	tags=8%, list=9%, signal=9%
GO_PROTEIN_ACTIVATION_CASCADE	GO_PROTEIN_ACTIVATION_	31	0.17741282	0.5220194	0.9674952	0.98418814	1	1159	tags=19%, list=23%, signal=25%
GO_ACTIN_FILAMENT	GO_ACTIN_FILAMENT	17	0.18382505	0.5218611	0.991684	0.98406935	1	4083	tags=100%, list=82%, signal=543%
GO_POSITIVE_REGULATION_OF_INTERLEUKIN_6_PROD	GO_POSITIVE_REGULATION	30	0.17340103	0.52183354	0.9627451	0.98390746	1	1190	tags=23%, list=24%, signal=30%
GO_CELLULAR_RESPONSE_TO_NUTRIENT	GO_CELLULAR_RESPONSE_I	20	0.18050994	0.5212408	0.97206706	0.9839222	1	722	tags=15%, list=14%, signal=17%
SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELETIC	SEITZ_NEOPLASTIC_TRANSI	59	0.17426294	0.5207763	0.93116635	0.98390096	1	792	tags=17%, list=16%, signal=20%
GSE32533_MIR17_KO_VS_MIR17_OVEREXPRESS_ACT_C	GSE32533_MIR17_KO_VS_I	69	0.14462411	0.52045596	0.992381	0.9838286	1	944	tags=16%, list=19%, signal=19%
GSE16385_ROSIGLITAZONE_IL4_VS_IPMG_TNF_STIM_M	GSE16385_ROSIGLITAZONE	51	0.1764998	0.52019423	0.9525692	0.9837388	1	563	tags=12%, list=11%, signal=13%
GO_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_F	GO_ANTIGEN_PROCESSING	17	0.22275725	0.5174556	0.9148936	0.98439384	1	3889	tags=100%, list=78%, signal=449%
BURTON_ADIPOGENESIS_1	BURTON_ADIPOGENESIS_1	17	0.19997235	0.51614726	0.9613734	0.98463655	1	1367	tags=41%, list=27%, signal=56%
LEE_EARLY_T_LYMPHOCTE_DN	LEE_EARLY_T_LYMPHOCTE	23	0.20009686	0.51548606	0.9367589	0.9846702	1	448	tags=13%, list=9%, signal=14%
AZARE_NEOPLASTIC_TRANSFORMATION_BY_STA23_UP	AZARE_NEOPLASTIC_TRAN	65	0.16719471	0.51453537	0.9657258	0.98477805	1	1375	tags=25%, list=28%, signal=34%
GSE29618_MONOCYTE_VS_MDC_DN	GSE29618_MONOCYTE_VS	76	0.1444332	0.51118696	0.9866412	0.98556226	1	119	tags=4%, list=2%, signal=4%
STEIN_ESRRA_TARGETS_DN	STEIN_ESRRA_TARGETS_DN	26	0.15639037	0.5086929	0.99418604	0.98659176	1	1039	tags=15%, list=21%, signal=19%
REACTOME_CELL_CELL_JUNCTION_ORGANIZATION	REACTOME_CELL_CELL_JUN	21	0.17668974	0.5067158	0.98888886	0.9864733	1	2069	tags=52%, list=41%, signal=89%
GO_CLATHRIN_COATED_VESICLE_MEMBRANE	GO_CLATHRIN_COATED_VE	17	0.18108772	0.50480103	0.98501873	0.9868126	1	1606	tags=29%, list=32%, signal=43%
GSE23505_UNTREATED_VS_4DAY_IL6_IL12_TREAT	GSE23505_UNTREATED_VS	31	0.17230417	0.50401425	0.9612403	0.98685056	1	1453	tags=29%, list=29%, signal=41%
GO_POSITIVE_REGULATION_OF_CALCIIUM_ION_TRANSP	GO_POSITIVE_REGULATION	37	0.15309021	0.50040865	0.99040306	0.98			



RADAEVA_RESPONSE_TO_IFNA1_UP	RADAEVA_RESPONSE_TO_IF	27	0.19477837	0.43078706	0.92957747	0.99489677	1	36	tags=4%, list=1%, signal=4%
PID_FGF_PATHWAY	PID_FGF_PATHWAY	21	0.14943586	0.42884758	0.99635035	0.9949288	1	876	tags=14%, list=18%, signal=17%
GO_POSITIVE_REGULATION_OF_CALCIUM_ION_TRANSA	GO_POSITIVE_REGULATION	21	0.14888318	0.42751247	1	0.99489963	1	1207	tags=24%, list=24%, signal=31%
GO_PRIMARY_ALCOHOL_METABOLIC_PROCESS	GO_PRIMARY_ALCOHOL_M	23	0.15041594	0.4181679	0.99072355	0.9956343	1	73	tags=4%, list=1%, signal=4%
GSE4748_LPS_VS_LPS_AND_CYANOBACTERIUM_LPSLIKI	GSE4748_LPS_VS_LPS_AND	42	0.13412857	0.41743162	1	0.9955294	1	1554	tags=33%, list=31%, signal=48%
GO_CELLULAR_RESPONSE_TO_VITAMIN	GO_CELLULAR_RESPONSE_	15	0.15662536	0.3964774	0.9961832	0.9969133	1	1638	tags=33%, list=33%, signal=49%
NAKAYAMA_SOFT_TISSUE_TUMORS_PCA1_UP	NAKAYAMA_SOFT_TISSUE_	47	0.14433695	0.3807899	0.98039216	0.9976615	1	1541	tags=28%, list=31%, signal=40%
MODULE_410	MODULE_410	19	0.1595248	0.37903488	0.9877551	0.9975794	1	554	tags=11%, list=11%, signal=12%
GSE32533_WT_VS_MIR17_KO_ACT_CD4_TCELL_DN	GSE32533_WT_VS_MIR17_K	22	0.12223993	0.32202214	1	0.9992377	1	1111	tags=18%, list=22%, signal=23%