

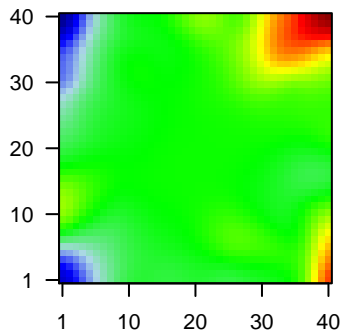
# 04.1195.001\_aH

## Global Summary

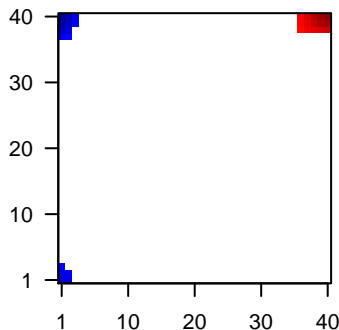
%DE = 0.25  
 # genes with fdr < 0.2 = 4668 ( 2349 + / 2319 - )  
 # genes with fdr < 0.1 = 4163 ( 2141 + / 2022 - )  
 # genes with fdr < 0.05 = 3796 ( 1972 + / 1824 - )  
 # genes with fdr < 0.01 = 3144 ( 1668 + / 1476 - )  
 # genes in genesets = 18990

<FC> = 0  
 <t-score> = 0  
 <p-value> = 0.01  
 <fdr> = 0.75

Profile



Regulated Spots



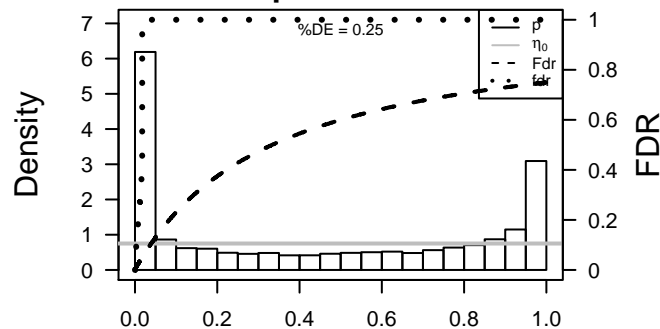
## Global Genelist

Rank	ID	log(FC)	fdr	p-value	Description
1	ENSG00000001	-0.19	2e-16	3e-15	36 x 4 ISG15 ubiquitin-like modifier [Source:HGNC Symbol;Acc:HGNC:20570]
2	ENSG00000002	-0.13	2e-16	3e-15	1 x 26 cyclin L2 [Source:HGNC Symbol;Acc:HGNC:20570]
3	ENSG00000001	-0.18	2e-16	3e-15	3 x 32 ERBB receptor feedback inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:20570]
4	ENSG00000000	0.28	2e-16	3e-15	38 x 40 enolase 1, (alpha) [Source:HGNC Symbol;Acc:HGNC:3350]
5	ENSG00000001	0.34	2e-16	3e-15	40 x 38 phosphogluconate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:20570]
6	ENSG00000001	0.18	2e-16	3e-15	36 x 40 regulator of chromosome condensation 2 [Source:HGNC Symbol;Acc:HGNC:20570]
7	ENSG00000001	0.41	2e-16	3e-15	40 x 40 phospholipase A2, group IIA (platelets, synovial fluid) [Source:HGNC Symbol;Acc:HGNC:20570]
8	ENSG00000002	0.31	2e-16	3e-15	38 x 40 dolichyl-diphosphooligosaccharide--protein glycosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:20570]
9	ENSG00000001	-0.19	2e-16	3e-15	1 x 33 low density lipoprotein receptor class A domain containing 2 [Source:HGNC Symbol;Acc:HGNC:20570]
10	ENSG00000001	-0.27	2e-16	3e-15	1 x 3 complement component 1, q subcomponent, A chain [Source:HGNC Symbol;Acc:HGNC:20570]
11	ENSG00000001	-0.2	2e-16	3e-15	1 x 4 complement component 1, q subcomponent, C chain [Source:HGNC Symbol;Acc:HGNC:20570]
12	ENSG00000001	-0.2	2e-16	3e-15	5 x 5 complement component 1, q subcomponent, B chain [Source:HGNC Symbol;Acc:HGNC:20570]
13	ENSG00000001	0.2	2e-16	3e-15	40 x 40 EPH receptor B2 [Source:HGNC Symbol;Acc:HGNC:3393]
14	ENSG00000001	0.23	2e-16	3e-15	33 x 1 inhibitor of DNA binding 3, dominant negative helix-loop-helix [Source:HGNC Symbol;Acc:HGNC:20570]
15	ENSG00000001	0.15	2e-16	3e-15	40 x 7 UDP-galactose-4-epimerase [Source:HGNC Symbol;Acc:HGNC:20570]
16	ENSG00000001	-0.18	2e-16	3e-15	1 x 40 chloride intracellular channel 4 [Source:HGNC Symbol;Acc:HGNC:20570]
17	ENSG00000001	-0.4	2e-16	3e-15	1 x 1 CD52 molecule [Source:HGNC Symbol;Acc:HGNC:1804]
18	ENSG00000001	0.18	2e-16	3e-15	38 x 40 regulator of chromosome condensation 1 [Source:HGNC Symbol;Acc:HGNC:20570]
19	ENSG00000001	-0.39	2e-16	3e-15	1 x 1 lysosomal protein transmembrane 5 [Source:HGNC Symbol;Acc:HGNC:20570]
20	ENSG00000001	0.14	2e-16	3e-15	40 x 1 serine incorporator 2 [Source:HGNC Symbol;Acc:HGNC:232]

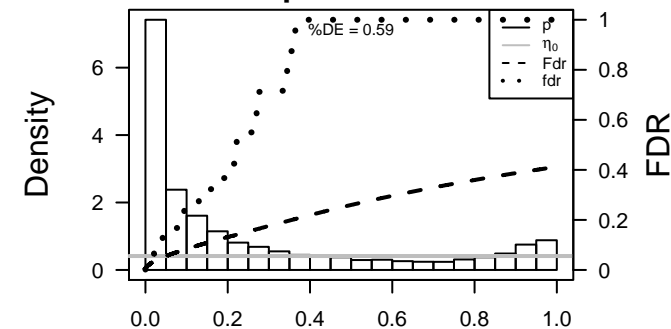
## Global Geneset Analysis

Rank	GSZ	p-value	#all	Geneset
<i>Overexpressed</i>				
1	22.75	6e-06	747	GSEA C2PUJANA_CHEK2_PCC_NETWORK
2	22.16	7e-06	582	GSEA C2CAIRO_HEPATOBLASTOMA_CLASSES_UP
3	21.64	9e-06	807	Lymphomidopp_June14_MMML937_tumors+controls_group.overexpression
4	21.6	9e-06	811	LymphomidIRTH_lymphoma937_spot D
5	20.93	1e-05	400	GSEA C2VECHH_GASTRIC_CANCER_EARLY_UP
6	20.11	1e-05	138	GSEA C2ROSTY_CERVICAL_CANCER_PROLIFERATION_CLUSTER
7	19.41	2e-03	16	Cancer SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_UP
8	19.17	2e-05	713	Colon Cancertrack_CRC_TCGA_group.over_C_normal_DN
9	18.95	2e-05	327	GSEA C2WONG_EMBRYONIC_STEM_CELL_CORE
10	18.82	2e-05	195	HM HALLMARK_MYC_TARGETS_V1
11	18.58	2e-05	323	GSEA C2PENG_GLUTAMINE_DEPRIVATION_DN
12	18.4	2e-05	1563	GSEA C2PUJANA_BRCA1_PCC_NETWORK
13	18.36	2e-05	1228	GSEA C2KINSEY_TARGETS_OF_EWSR1_FLII_FUSION_UP
14	18.09	2e-05	145	Glio WILLSCHEER_GBM_Verhaak-CL_up (C)
15	17.96	2e-05	859	GSEA C2LEE_BMP2_TARGETS_DN
16	17.87	2e-05	446	GSEA C2SHEDDEN_LUNG_CANCER_POOR_SURVIVAL_A6
17	17.65	2e-05	248	GSEA C2KOBAYASHI_EGFR_SIGNALING_24HR_DN
18	17.58	2e-05	197	HM HALLMARK_E2F_TARGETS
19	17.42	2e-05	174	GSEA C2LI_AMPLIFIED_IN_LUNG_CANCER
20	17.14	2e-05	113	GSEA C2WHITEFORD_PEDIATRIC_CANCER_MARKERS
<i>Underexpressed</i>				
1	-25.82	1e-06	368	GSEA C2INDGREN_BLADDER_CANCER_CLUSTER_2B
2	-20.88	1e-05	436	GSEA C2SMID_BREAST_CANCER_NORMAL_LIKE_UP
3	-20.16	1e-05	326	GSEA C2SCHUETZ_BREAST_CANCER_DUCTAL_INVASIVE_UP
4	-19.94	1e-05	196	GSEA C2PICCALUGA_ANGIOIMMUNOBLASTIC_LYMPHOMA_UP
5	-19.25	2e-05	844	Colon Cancerbcke_TCGA-expr_kmeans_E_CIMP_H_UP_Cluster4_DN
6	-19.23	2e-05	314	Lymphomidopp_June14_MMML937_tumors+controls_group.overexpression
7	-19.13	2e-05	315	LymphomidIRTH_lymphoma937_spot E
8	-18.84	2e-05	132	Colon Canceralisa_CRC-cluster-b
9	-17.64	2e-05	263	GSEA C2WALLACE_PROSTATE_CANCER_RACE_UP
10	-17.34	2e-05	198	HM HALLMARK_EPITHELIAL_MESENCHYMAL_TRANSITION
11	-16.53	2e-05	574	Cancer Lembcke_Colonc Inflammation
12	-16.17	2e-05	148	Colon Canceralisa_CRC-cluster-a
13	-16.12	2e-05	478	GSEA C2JIM_MAMMARY_STEM_CELL_UP
14	-16.1	2e-05	9	GSEA C2MILICIC_FAMILIAL_ADENOMATOUS_POLYPOSIS_DN
15	-15.64	3e-05	418	GSEA C2SWEET_LUNG_CANCER_KRAS_DN
16	-15.54	3e-05	262	GSEA C2SABATES_COLORECTAL_ADENOMA_DN
17	-15.41	3e-05	220	GSEA C2MCLACHLAN_DENTAL_CARIES_UP
18	-15.18	3e-05	55	GSEA C2CROONQUIST_STROMAL_STIMULATION_UP
19	-15.18	3e-05	332	Colon Cancertrack_CRC_TCGA_corr_J_msi-h_UP_mss_DN
20	-14.64	2e-03	16	Cancer LIU_PROSTATE_CANCER_DN

p-values



p-values



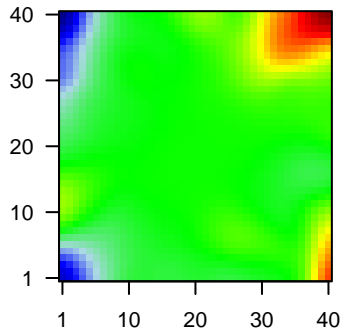
# 04.1195.001\_aH

## Local Summary

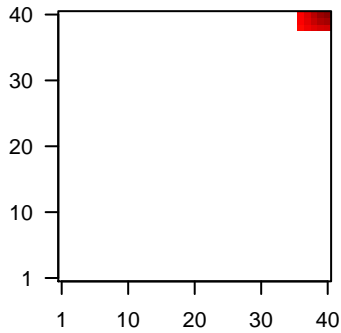
%DE = 0.99  
 # metagenes = 15  
 # genes = 300  
 # genes in genesets = 295  
  
 # genes with  $fdr < 0.1$  = 292 ( 263 + / 29 -)  
 # genes with  $fdr < 0.05$  = 284 ( 258 + / 26 -)  
 # genes with  $fdr < 0.01$  = 278 ( 254 + / 24 -)

$\langle r \rangle$  metagenes = 0.97  
 $\langle r \rangle$  genes = 0.62  
  
 $\langle FC \rangle$  = 0.16  
 $\langle t\text{-score} \rangle$  = 3.18  
 $\langle p\text{-value} \rangle$  = 0  
 $\langle fdr \rangle$  = 0.08

Profile



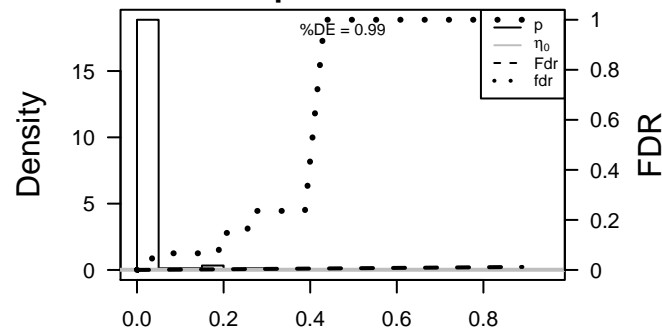
Spot



## Local Genelist

Rank	ID	log(FC)	fdr	p-value	Description
1	ENSG000000	0.28	2e-16	5e-18	38 x 40 enolase 1, (alpha) [Source:HGNC Symbol;Acc:HGNC:3350]
2	ENSG000001	0.34	2e-16	5e-18	40 x 38 phosphogluconate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:3351]
3	ENSG000001	0.18	2e-16	5e-18	36 x 40 regulator of chromosome condensation 2 [Source:HGNC Symbol;Acc:HGNC:3352]
4	ENSG000001	0.41	2e-16	5e-18	40 x 40 phospholipase A2, group IIA (platelets, synovial fluid) [Source:HGNC Symbol;Acc:HGNC:3353]
5	ENSG000002	0.31	2e-16	5e-18	38 x 40 dolichyl--diphosphooligosaccharide--protein glycosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:3354]
6	ENSG000001	0.2	2e-16	5e-18	40 x 40 EPH receptor B2 [Source:HGNC Symbol;Acc:HGNC:3393]
7	ENSG000001	0.18	2e-16	5e-18	38 x 40 regulator of chromosome condensation 1 [Source:HGNC Symbol;Acc:HGNC:3394]
8	ENSG000000	0.16	2e-16	5e-18	37 x 40 eukaryotic translation initiation factor 3, subunit I [Source:HGNC Symbol;Acc:HGNC:3395]
9	ENSG000001	0.18	2e-16	5e-18	40 x 40 MARCKS-like 1 [Source:HGNC Symbol;Acc:HGNC:7142]
10	ENSG000001	0.24	2e-16	5e-18	40 x 39 cell division cycle 20 [Source:HGNC Symbol;Acc:HGNC:1720]
11	ENSG000001	0.24	2e-16	5e-18	38 x 39 peroxiredoxin 1 [Source:HGNC Symbol;Acc:HGNC:9352]
12	ENSG000001	0.33	2e-16	5e-18	40 x 40 PDZK1 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:9353]
13	ENSG000001	0.16	2e-16	5e-18	39 x 39 mitochondrial ribosomal protein L37 [Source:HGNC Symbol;Acc:HGNC:9354]
14	ENSG000000	0.49	2e-16	5e-18	40 x 40 chloride channel accessory 1 [Source:HGNC Symbol;Acc:HGNC:9355]
15	ENSG000001	0.24	2e-16	5e-18	40 x 40 regenerating islet--derived family, member 4 [Source:HGNC Symbol;Acc:HGNC:9356]
16	ENSG000001	0.25	2e-16	5e-18	37 x 40 interleukin enhancer binding factor 2 [Source:HGNC Symbol;Acc:HGNC:9357]
17	ENSG000001	0.38	2e-16	5e-18	40 x 40 mucin 1, cell surface associated [Source:HGNC Symbol;Acc:HGNC:9358]
18	ENSG000001	0.27	2e-16	5e-18	40 x 40 intelectin 1 (galactofuranose binding) [Source:HGNC Symbol;Acc:HGNC:9359]
19	ENSG000000	0.2	2e-16	5e-18	39 x 39 ubiquitin--conjugating enzyme E2T [Source:HGNC Symbol;Acc:HGNC:9360]
20	ENSG000002	0.52	2e-16	5e-18	40 x 40 left--right determination factor 1 [Source:HGNC Symbol;Acc:HGNC:9361]

p-values



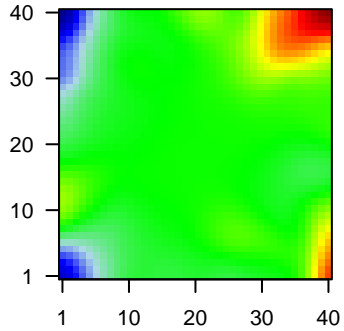
# 04.1195.001\_aH

## Local Summary

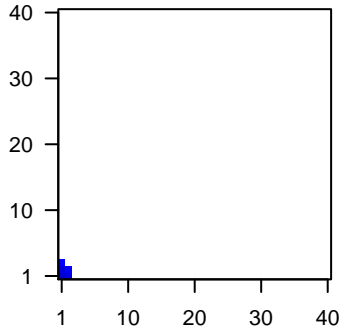
%DE = 0.98  
 # metagenes = 5  
 # genes = 152  
 # genes in genesets = 148  
  
 # genes with  $fdr < 0.1$  = 148 ( 3 + / 145 -)  
 # genes with  $fdr < 0.05$  = 147 ( 3 + / 144 -)  
 # genes with  $fdr < 0.01$  = 146 ( 3 + / 143 -)

<r> metagenes = 1  
 <r> genes = 0.8  
  
 <FC> = -0.17  
 <t-score> = -3.45  
 <p-value> = 0  
 <fdr> = 0.03

Profile



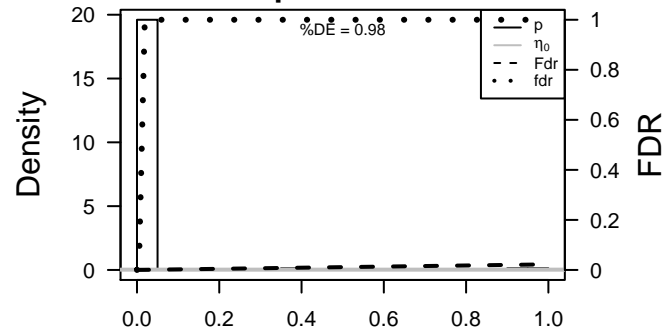
Spot



## Local Genelist

Rank	ID	log(FC)	p-value	fdr	Description
1	ENSG0000001	-0.27	2e-16	9e-18	1 x 3 complement component 1, q subcomponent, A chain [Source
2	ENSG0000001	-0.4	2e-16	9e-18	1 x 1 CD52 molecule [Source:HGNC Symbol;Acc:HGNC:1804]
3	ENSG0000001	-0.39	2e-16	9e-18	1 x 1 lysosomal protein transmembrane 5 [Source:HGNC Symbol;f
4	ENSG0000001	-0.3	2e-16	9e-18	1 x 1 CD53 molecule [Source:HGNC Symbol;Acc:HGNC:1686]
5	ENSG0000001	-0.16	2e-16	9e-18	1 x 1 CD2 molecule [Source:HGNC Symbol;Acc:HGNC:1639]
6	ENSG0000001	-0.14	2e-16	9e-18	1 x 3 interferon, gamma-inducible protein 16 [Source:HGNC Symb
7	ENSG0000001	-0.22	2e-16	9e-18	1 x 1 CD48 molecule [Source:HGNC Symbol;Acc:HGNC:1683]
8	ENSG0000001	-0.23	2e-16	9e-18	1 x 1 selectin L [Source:HGNC Symbol;Acc:HGNC:10720]
9	ENSG0000000	-0.18	2e-16	9e-18	1 x 1 protein tyrosine phosphatase, receptor type, C [Source:HGNC
10	ENSG0000001	-0.21	2e-16	9e-18	1 x 1 Fc fragment of IgM receptor [Source:HGNC Symbol;Acc:HGNC
11	ENSG0000001	-0.24	2e-16	9e-18	1 x 1 complement component (3d/Epstein Barr virus) receptor 2 [S
12	ENSG0000002	-0.17	2e-16	9e-18	1 x 1 limb bud and heart development [Source:HGNC Symbol;Acc:
13	ENSG0000001	-0.15	2e-16	9e-18	2 x 1 pleckstrin [Source:HGNC Symbol;Acc:HGNC:9070]
14	ENSG0000001	-0.5	2e-16	9e-18	1 x 1 chemokine (C-X-C motif) receptor 4 [Source:HGNC Symbol;
15	ENSG0000001	-0.14	2e-16	9e-18	1 x 3 WAS/WASL interacting protein family, member 1 [Source:HGI
16	ENSG0000000	-0.13	2e-16	9e-18	1 x 1 serine/threonine kinase 17b [Source:HGNC Symbol;Acc:HGNC
17	ENSG0000002	-0.52	2e-16	9e-18	1 x 1 MT-RNR2-like 12 [Source:HGNC Symbol;Acc:HGNC:37169]
18	ENSG0000001	-0.17	2e-16	9e-18	1 x 1 hematopoietic cell-specific Lyn substrate 1 [Source:HGNC S
19	ENSG0000001	-0.5	2e-16	9e-18	1 x 1 follicular dendritic cell secreted protein [Source:HGNC Symb
20	ENSG0000001	-0.49	2e-16	9e-18	1 x 1 chemokine (C-X-C motif) ligand 13 [Source:HGNC Symbol;f

p-values



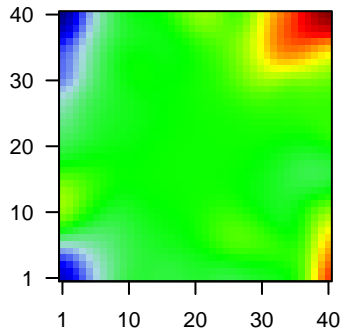
# 04.1195.001\_aH

## Local Summary

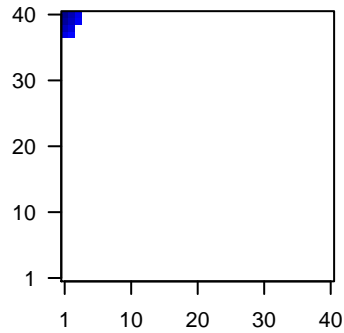
%DE = 0.98  
 # metagenes = 10  
 # genes = 208  
 # genes in genesets = 206  
  
 # genes with  $fdr < 0.1$  = 203 ( 5 + / 198 -)  
 # genes with  $fdr < 0.05$  = 202 ( 5 + / 197 -)  
 # genes with  $fdr < 0.01$  = 201 ( 5 + / 196 -)

$\langle r \rangle$  metagenes = 1  
 $\langle r \rangle$  genes = 0.81  
  
 $\langle FC \rangle$  = -0.19  
 $\langle t\text{-score} \rangle$  = -3.83  
 $\langle p\text{-value} \rangle$  = 0  
 $\langle fdr \rangle$  = 0.03

Profile



Spot



## Local Genelist

Rank	ID	log(FC)	p-value	fdr	Description
1	ENSG00000001	-0.18	2e-16	7e-18	1 x 40 chloride intracellular channel 4 [Source:HGNC Symbol;Acc:H
2	ENSG00000001	-0.14	2e-16	7e-18	1 x 40 nexilin (F actin binding protein) [Source:HGNC Symbol;Acc:H
3	ENSG00000001	-0.41	2e-16	7e-18	1 x 38 cysteine-rich, angiogenic inducer, 61 [Source:HGNC Symbol
4	ENSG00000001	-0.14	2e-16	7e-18	1 x 40 calsequestrin 2 (cardiac muscle) [Source:HGNC Symbol;Acc:
5	ENSG00000001	-0.23	2e-16	7e-18	1 x 38
6	ENSG00000000	-0.2	2e-16	7e-18	1 x 39 pleckstrin homology domain containing, family O member 1 [S
7	ENSG00000001	-0.23	2e-16	7e-18	1 x 38 pre-B-cell leukemia homeobox interacting protein 1 [Source:
8	ENSG00000001	-0.15	2e-16	7e-18	1 x 38 phosphoprotein enriched in astrocytes 15 [Source:HGNC Syr
9	ENSG00000001	-0.14	2e-16	7e-18	2 x 40 discoidin domain receptor tyrosine kinase 2 [Source:HGNC S
10	ENSG00000001	-0.18	2e-16	7e-18	1 x 40 regulator of G-protein signaling 5 [Source:HGNC Symbol;Acc:
11	ENSG00000001	-0.33	2e-16	7e-18	1 x 40 dermatopontin [Source:HGNC Symbol;Acc:HGNC:3011]
12	ENSG00000001	-0.15	2e-16	7e-18	1 x 40 family with sequence similarity 129, member A [Source:HGNC
13	ENSG00000001	-0.37	2e-16	7e-18	1 x 40 regulator of G-protein signaling 2 [Source:HGNC Symbol;Acc:
14	ENSG00000001	-0.31	2e-16	7e-18	1 x 40 cysteine and glycine-rich protein 1 [Source:HGNC Symbol;Av
15	ENSG00000001	-0.32	2e-16	7e-18	1 x 40 leiomodulin 1 (smooth muscle) [Source:HGNC Symbol;Acc:HG
16	ENSG00000000	-0.16	2e-16	7e-18	1 x 40 protein phosphatase 1, regulatory subunit 12B [Source:HGNC
17	ENSG00000001	-0.26	2e-16	7e-18	1 x 40 BTG family, member 2 [Source:HGNC Symbol;Acc:HGNC:11
18	ENSG00000000	-0.23	2e-16	7e-18	1 x 40 ATPase, Ca++ transporting, plasma membrane 4 [Source:HG
19	ENSG00000001	-0.16	2e-16	7e-18	2 x 40 actin, alpha 1, skeletal muscle [Source:HGNC Symbol;Acc:H
20	ENSG00000001	-0.39	2e-16	7e-18	1 x 40 ras homolog family member B [Source:HGNC Symbol;Acc:H

p-values

