

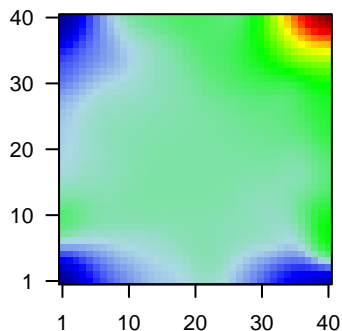
# 04.1134.015\_cH

## Global Summary

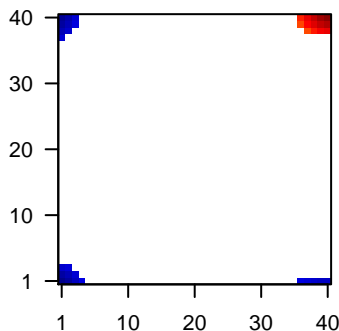
%DE = 0.25  
 # genes with fdr < 0.2 = 4581 ( 2341 + / 2240 - )  
 # genes with fdr < 0.1 = 4157 ( 2146 + / 2011 - )  
 # genes with fdr < 0.05 = 3854 ( 2002 + / 1852 - )  
 # genes with fdr < 0.01 = 3259 ( 1701 + / 1558 - )  
 # genes in genesets = 18990

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

Profile



Regulated Spots



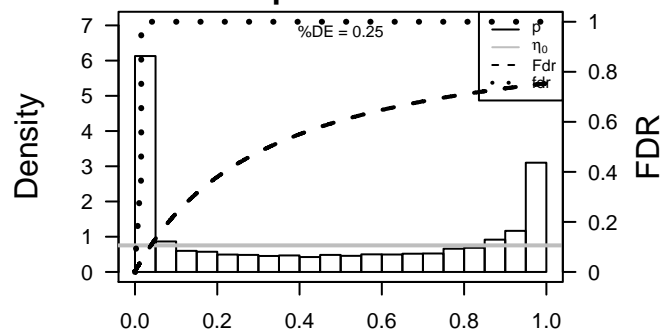
## Global Genelist

Rank	ID	log(FC)	fdr	Description	Metagene	
1	ENSG00000001	-0.16	2e-16	3e-15	36 x 4	ISG15 ubiquitin-like modifier [Source:HGNC Symbol;Acc:HGNC:10000]
2	ENSG00000001	0.19	2e-16	3e-15	32 x 40	parkinson protein 7 [Source:HGNC Symbol;Acc:HGNC:16366]
3	ENSG00000001	-0.14	2e-16	3e-15	3 x 32	ERBB receptor feedback inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:10000]
4	ENSG00000000	0.33	2e-16	3e-15	38 x 40	enolase 1, (alpha) [Source:HGNC Symbol;Acc:HGNC:3350]
5	ENSG00000001	0.16	2e-16	3e-15	40 x 38	phosphogluconate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:10000]
6	ENSG00000001	-0.21	2e-16	3e-15	39 x 1	peptidyl arginine deiminase, type II [Source:HGNC Symbol;Acc:HGNC:10000]
7	ENSG00000001	0.25	2e-16	3e-15	36 x 40	regulator of chromosome condensation 2 [Source:HGNC Symbol;Acc:HGNC:10000]
8	ENSG00000000	0.15	2e-16	3e-15	37 x 39	MRT4 homolog, ribosome maturation factor [Source:HGNC Symbol;Acc:HGNC:10000]
9	ENSG00000001	-0.19	2e-16	3e-15	38 x 1	cytidine deaminase [Source:HGNC Symbol;Acc:HGNC:1712]
10	ENSG00000002	0.21	2e-16	3e-15	38 x 40	dolichyl-diphosphooligosaccharide--protein glycosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:10000]
11	ENSG00000001	-0.16	2e-16	3e-15	6 x 33	endothelin converting enzyme 1 [Source:HGNC Symbol;Acc:HGNC:10000]
12	ENSG00000000	0.2	2e-16	3e-15	29 x 8	RAP1 GTPase activating protein [Source:HGNC Symbol;Acc:HGNC:10000]
13	ENSG00000001	-0.26	2e-16	3e-15	1 x 3	complement component 1, q subcomponent, A chain [Source:HGNC Symbol;Acc:HGNC:10000]
14	ENSG00000001	-0.18	2e-16	3e-15	1 x 4	complement component 1, q subcomponent, C chain [Source:HGNC Symbol;Acc:HGNC:10000]
15	ENSG00000001	-0.14	2e-16	3e-15	5 x 5	complement component 1, q subcomponent, B chain [Source:HGNC Symbol;Acc:HGNC:10000]
16	ENSG00000001	0.21	2e-16	3e-15	40 x 40	EPH receptor B2 [Source:HGNC Symbol;Acc:HGNC:3393]
17	ENSG00000001	-0.33	2e-16	3e-15	33 x 1	inhibitor of DNA binding 3, dominant negative helix-loop-helix protein [Source:HGNC Symbol;Acc:HGNC:10000]
18	ENSG00000001	-0.18	2e-16	3e-15	38 x 1	fucosidase, alpha-L- 1, tissue [Source:HGNC Symbol;Acc:HGNC:10000]
19	ENSG00000001	-0.21	2e-16	3e-15	1 x 40	chloride intracellular channel 4 [Source:HGNC Symbol;Acc:HGNC:10000]
20	ENSG00000001	0.19	2e-16	3e-15	37 x 40	stathmin 1 [Source:HGNC Symbol;Acc:HGNC:6510]

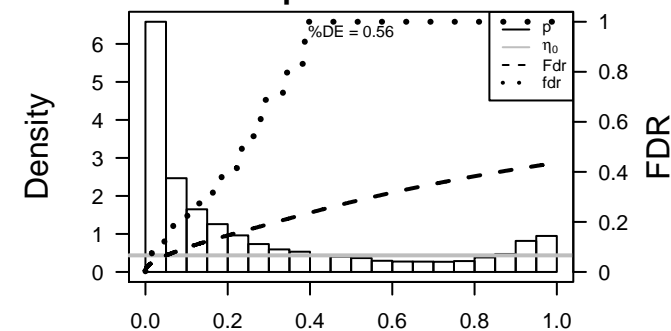
## Global Geneset Analysis

Rank	GSZ	p-value	#all	Geneset
<i>Overexpressed</i>				
1	24.13	5e-06	713	Colon CaRectrack_CRC_TCGA_group.over_C_normal_DN
2	20.69	1e-05	582	GSEA C2CAIRO_HEPATOBLASTOMA_CLASSES_UP
3	20.09	1e-05	813	GSEA C2GRADE_COLON_CANCER_UP
4	20	1e-05	830	Colon CaRectrack_CRC_TCGA_corr_R_normal_DN
5	19.15	2e-05	195	HM HALLMARK_MYC_TARGETS_V1
6	17.98	2e-05	327	GSEA C2WONG_EMBRYONIC_STEM_CELL_CORE
7	17.73	2e-05	174	GSEA C2L_AMPLIFIED_IN_LUNG_CANCER
8	17.48	2e-05	807	Lymphomtdopp_June14_MMML937_tumors+controls_group.overexpression
9	17.41	2e-05	550	Cancer Lembcke_Normal vs Adenoma
10	17.35	2e-05	259	BP translation
11	17.3	2e-05	811	LymphomtdWIRTH_lymphoma937_spot D
12	17.23	2e-05	747	GSEA C2PUJANA_CHEK2_PCC_NETWORK
13	17.14	2e-05	162	MF structural constituent of ribosome
14	17.02	2e-05	275	GSEA C2GRADE_COLON_AND_RECTAL_CANCER_UP
15	16.67	2e-05	400	GSEA C2VECCHI_GASTRIC_CANCER_EARLY_UP
16	16.47	2e-05	1563	GSEA C2PUJANA_BRCA1_PCC_NETWORK
17	16.14	2e-05	55	Colon CaMarsa_CRC-cluster-e
18	16.11	2e-05	168	CC ribosome
19	16.07	2e-05	1091	MF poly(A) RNA binding
20	15.92	3e-05	128	GSEA C2SABATES_COLORECTAL_ADENOMA_UP
<i>Underexpressed</i>				
1	-24.98	1e-06	104	Colon CaRectrack_CRC_TCGA_group.over_A_normal_UP
2	-23.77	6e-06	262	GSEA C2SABATES_COLORECTAL_ADENOMA_DN
3	-23.21	6e-06	436	GSEA C2SMID_BREAST_CANCER_NORMAL_LIKE_UP
4	-22.81	6e-06	507	Colon CaRectrack_CRC_TCGA_corr_C_normal_UP
5	-20.27	1e-05	844	Colon CaLembcke_TCGA-expr_kmeans_E_CIMP_H_UP_Cluster4_DN
6	-18.5	2e-05	368	GSEA C2LINDGREN_BLADDER_CANCER_CLUSTER_2B
7	-17.02	2e-05	263	GSEA C2WALLACE_PROSTATE_CANCER_RACE_UP
8	-16.05	2e-05	110	Colon CaMarsa_CRC-cluster-h
9	-14.86	3e-05	16	CC MHC class II protein complex
10	-14.86	3e-05	522	GSEA C2SMID_BREAST_CANCER_LUMINAL_B_DN
11	-14.35	3e-05	196	GSEA C2PICCALUGA_ANGIOIMMUNOBLASTIC_LYMPHOMA_UP
12	-14.35	3e-05	132	Colon CaMarsa_CRC-cluster-b
13	-14.27	4e-05	220	GSEA C2MCLACHLAN_DENTAL_CARIES_UP
14	-14.16	4e-05	314	Lymphomtdopp_June14_MMML937_tumors+controls_group.overexpression
15	-14.12	4e-05	315	LymphomtdWIRTH_lymphoma937_spot E
16	-13.2	4e-05	9	GSEA C2MILICIC_FAMILIAL_ADENOMATOUS_POLYPOSIS_DN
17	-12.92	5e-05	427	Tissue WIRTH_Immune system
18	-12.87	5e-05	11	BP antigen processing and presentation of peptide or polysaccharide antigen fragments
19	-12.38	6e-05	418	GSEA C2SWEET_LUNG_CANCER_KRAS_DN
20	-12.13	7e-05	326	GSEA C2SCHUETZ_BREAST_CANCER_DUCTAL_INVASIVE_UP

p-values



p-values



# 04.1134.015\_cH

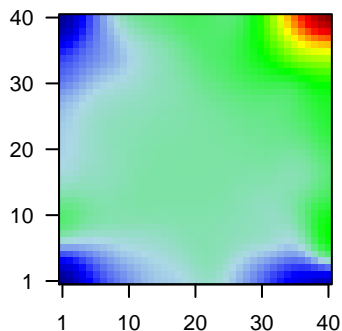
## Local Summary

%DE = 0.99  
 # metagenes = 14  
 # genes = 294  
 # genes in genesets = 289  
  
 # genes with  $fdr < 0.1$  = 290 ( 285 + / 5 -)  
 # genes with  $fdr < 0.05$  = 289 ( 285 + / 4 -)  
 # genes with  $fdr < 0.01$  = 289 ( 285 + / 4 -)

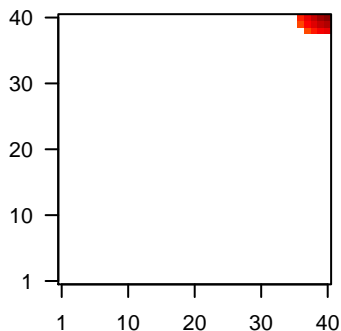
<r> metagenes = 0.98  
 <r> genes = 0.62

<FC> = 0.25  
 <t-score> = 5.01  
 <p-value> = 0  
 <fdr> = 0.02

Profile



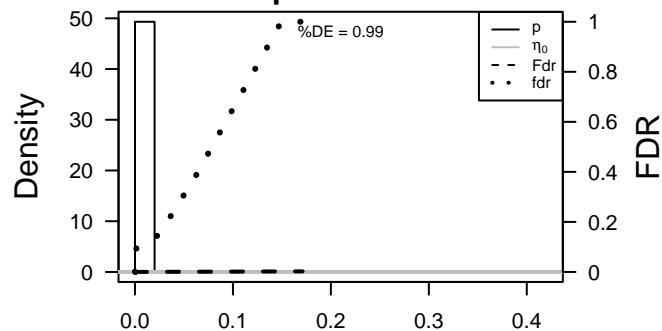
Spot



## Local Genelist

Rank	ID	log(FC)	p-value	fdr	Description
1	ENSG000000	0.33	2e-16	2e-18	38 x 40 enolase 1, (alpha) [Source:HGNC Symbol;Acc:HGNC:3350]
2	ENSG000001	0.16	2e-16	2e-18	40 x 38 phosphogluconate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:3393]
3	ENSG000001	0.25	2e-16	2e-18	36 x 40 regulator of chromosome condensation 2 [Source:HGNC Symbol;Acc:HGNC:3393]
4	ENSG000000	0.15	2e-16	2e-18	37 x 39 MRT4 homolog, ribosome maturation factor [Source:HGNC Symbol;Acc:HGNC:3393]
5	ENSG000002	0.21	2e-16	2e-18	38 x 40 dolichyl--diphosphooligosaccharide--protein glycosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:3393]
6	ENSG000001	0.21	2e-16	2e-18	40 x 40 EPH receptor B2 [Source:HGNC Symbol;Acc:HGNC:3393]
7	ENSG000001	0.19	2e-16	2e-18	37 x 40 stathmin 1 [Source:HGNC Symbol;Acc:HGNC:6510]
8	ENSG000001	0.2	2e-16	2e-18	38 x 40 regulator of chromosome condensation 1 [Source:HGNC Symbol;Acc:HGNC:3393]
9	ENSG000000	0.25	2e-16	2e-18	37 x 40 eukaryotic translation initiation factor 3, subunit I [Source:HGNC Symbol;Acc:HGNC:3393]
10	ENSG000001	0.42	2e-16	2e-18	40 x 40 MARCKS-like 1 [Source:HGNC Symbol;Acc:HGNC:7142]
11	ENSG000001	0.21	2e-16	2e-18	40 x 39 cell division cycle 20 [Source:HGNC Symbol;Acc:HGNC:1723]
12	ENSG000001	0.15	2e-16	2e-18	38 x 39 peroxiredoxin 1 [Source:HGNC Symbol;Acc:HGNC:9352]
13	ENSG000001	0.21	2e-16	2e-18	40 x 40 PDZK1 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:3393]
14	ENSG000001	0.15	2e-16	2e-18	39 x 39 mitochondrial ribosomal protein L37 [Source:HGNC Symbol;Acc:HGNC:3393]
15	ENSG000000	1.15	2e-16	2e-18	40 x 40 chloride channel accessory 1 [Source:HGNC Symbol;Acc:HGNC:3393]
16	ENSG000001	1.11	2e-16	2e-18	40 x 40 regenerating islet--derived family, member 4 [Source:HGNC Symbol;Acc:HGNC:3393]
17	ENSG000001	0.47	2e-16	2e-18	40 x 40 S100 calcium binding protein A11 [Source:HGNC Symbol;Acc:HGNC:3393]
18	ENSG000001	0.15	2e-16	2e-18	37 x 40 interleukin enhancer binding factor 2 [Source:HGNC Symbol;Acc:HGNC:3393]
19	ENSG000001	0.21	2e-16	2e-18	40 x 40 mucin 1, cell surface associated [Source:HGNC Symbol;Acc:HGNC:3393]
20	ENSG000001	0.27	2e-16	2e-18	38 x 39 transgelin 2 [Source:HGNC Symbol;Acc:HGNC:11554]

p-values



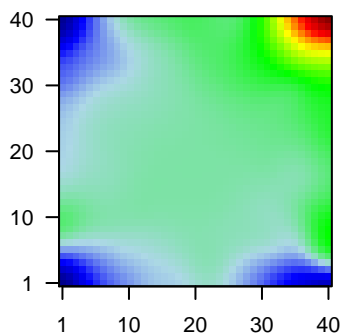
# 04.1134.015\_cH

## Local Summary

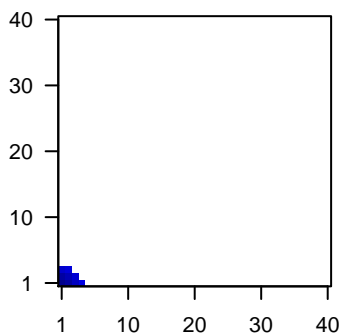
%DE = 0.98  
 # metagenes = 9  
 # genes = 221  
 # genes in genesets = 216  
  
 # genes with  $fdr < 0.1$  = 215 ( 5 + / 210 -)  
 # genes with  $fdr < 0.05$  = 214 ( 4 + / 210 -)  
 # genes with  $fdr < 0.01$  = 213 ( 4 + / 209 -)

$\langle r \rangle$  metagenes = 1  
 $\langle r \rangle$  genes = 0.79  
  
 $\langle FC \rangle$  = -0.16  
 $\langle t\text{-score} \rangle$  = -3.34  
 $\langle p\text{-value} \rangle$  = 0  
 $\langle fdr \rangle$  = 0.03

Profile



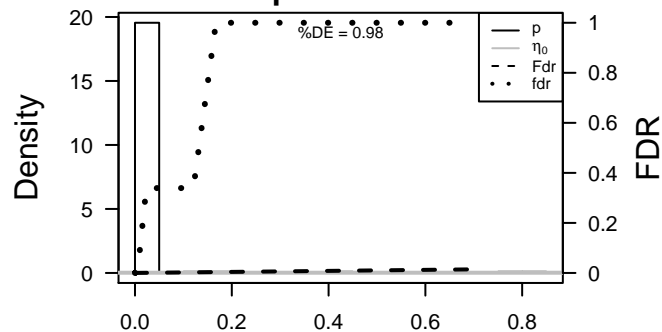
Spot



## Local Genelist

Rank	ID	log(FC)	fdr	p-value	Description
1	ENSG0000001	-0.26	2e-16	8e-18	1 x 3 complement component 1, q subcomponent, A chain [Source
2	ENSG0000001	-0.41	2e-16	8e-18	1 x 1 CD52 molecule [Source:HGNC Symbol;Acc:HGNC:1804]
3	ENSG0000001	-0.3	2e-16	8e-18	1 x 1 lysosomal protein transmembrane 5 [Source:HGNC Symbol;f
4	ENSG0000000	-0.17	2e-16	8e-18	1 x 1 small ArfGAP2 [Source:HGNC Symbol;Acc:HGNC:25082]
5	ENSG0000001	-0.32	2e-16	8e-18	1 x 1 CD53 molecule [Source:HGNC Symbol;Acc:HGNC:1686]
6	ENSG0000001	-0.19	2e-16	8e-18	1 x 1 CD2 molecule [Source:HGNC Symbol;Acc:HGNC:1639]
7	ENSG0000001	-0.15	2e-16	8e-18	1 x 3 CDC42 small effector 1 [Source:HGNC Symbol;Acc:HGNC:1
8	ENSG0000001	-0.19	2e-16	8e-18	1 x 3 interferon, gamma-inducible protein 16 [Source:HGNC Symb
9	ENSG0000001	-0.25	2e-16	8e-18	1 x 1 CD48 molecule [Source:HGNC Symbol;Acc:HGNC:1683]
10	ENSG0000001	-0.24	2e-16	8e-18	1 x 1 selectin L [Source:HGNC Symbol;Acc:HGNC:10720]
11	ENSG0000000	-0.19	2e-16	8e-18	1 x 1 protein tyrosine phosphatase, receptor type, C [Source:HGNC
12	ENSG0000001	-0.23	2e-16	8e-18	1 x 1 Fc fragment of IgM receptor [Source:HGNC Symbol;Acc:HGNC
13	ENSG0000001	-0.25	2e-16	8e-18	1 x 1 complement component (3d/Epstein Barr virus) receptor 2 [Si
14	ENSG0000001	-0.16	2e-16	8e-18	2 x 1 pleckstrin [Source:HGNC Symbol;Acc:HGNC:9070]
15	ENSG0000001	-0.2	2e-16	8e-18	1 x 1 chemokine (C-X-C motif) receptor 4 [Source:HGNC Symbol;
16	ENSG0000000	-0.15	2e-16	8e-18	1 x 1 serine/threonine kinase 17b [Source:HGNC Symbol;Acc:HGNC
17	ENSG0000002	-0.65	2e-16	8e-18	1 x 1 MT-RNR2-like 12 [Source:HGNC Symbol;Acc:HGNC:37169]
18	ENSG0000001	-0.18	2e-16	8e-18	1 x 1 hematopoietic cell-specific Lyn substrate 1 [Source:HGNC S
19	ENSG0000001	-0.53	2e-16	8e-18	1 x 1 follicular dendritic cell secreted protein [Source:HGNC Symbc
20	ENSG0000001	-0.16	2e-16	8e-18	1 x 3 chemokine (C-X-C motif) ligand 9 [Source:HGNC Symbol;Ac

p-values



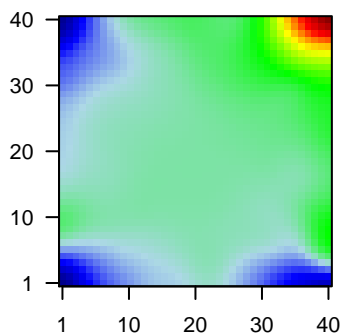
# 04.1134.015\_cH

## Local Summary

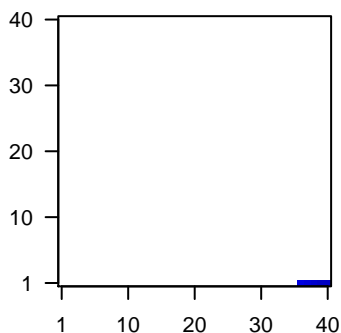
%DE = 0.98  
 # metagenes = 5  
 # genes = 178  
 # genes in genesets = 174  
  
 # genes with  $fdr < 0.1$  = 171 ( 17 + / 154 - )  
 # genes with  $fdr < 0.05$  = 167 ( 15 + / 152 - )  
 # genes with  $fdr < 0.01$  = 163 ( 13 + / 150 - )

$\langle r \rangle$  metagenes = 0.99  
 $\langle r \rangle$  genes = 0.67  
  
 $\langle FC \rangle$  = -0.21  
 $\langle t\text{-score} \rangle$  = -4.24  
 $\langle p\text{-value} \rangle$  = 0  
 $\langle fdr \rangle$  = 0.07

Profile



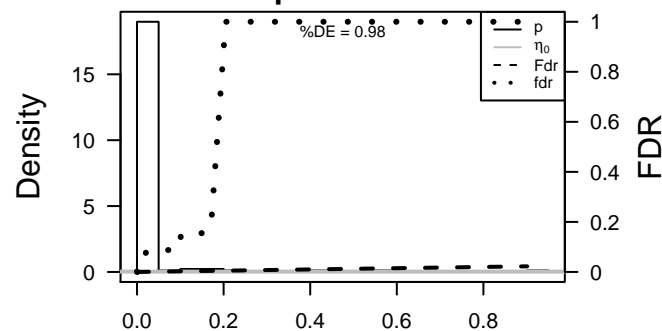
Spot



## Local Genelist

Rank	ID	log(FC)	p-value	fdr	Description
1	ENSG00000001	-0.21	2e-16	8e-18	39 x 1 peptidyl arginine deiminase, type II [Source:HGNC Symbol;Acc:HGNC:1712]
2	ENSG00000001	-0.19	2e-16	8e-18	38 x 1 cytidine deaminase [Source:HGNC Symbol;Acc:HGNC:1712]
3	ENSG00000001	-0.18	2e-16	8e-18	38 x 1 fucosidase, alpha-L- 1, tissue [Source:HGNC Symbol;Acc:HGNC:1712]
4	ENSG00000001	0.15	2e-16	8e-18	40 x 1 stratifin [Source:HGNC Symbol;Acc:HGNC:10773]
5	ENSG00000001	-0.2	2e-16	8e-18	40 x 1 serine incorporator 2 [Source:HGNC Symbol;Acc:HGNC:2322]
6	ENSG00000000	-0.51	2e-16	8e-18	40 x 1 guanylate cyclase activator 2B (uroguanylin) [Source:HGNC Symbol;Acc:HGNC:10773]
7	ENSG00000001	-0.92	2e-16	8e-18	40 x 1 guanylate cyclase activator 2A (guanylin) [Source:HGNC Symbol;Acc:HGNC:10773]
8	ENSG00000000	-0.59	2e-16	8e-18	40 x 1 chloride channel accessory 4 [Source:HGNC Symbol;Acc:HGNC:10773]
9	ENSG00000001	-0.44	2e-16	8e-18	40 x 1 selenium binding protein 1 [Source:HGNC Symbol;Acc:HGNC:10773]
10	ENSG00000001	-0.2	2e-16	8e-18	40 x 1 glycoprotein A33 (transmembrane) [Source:HGNC Symbol;Acc:HGNC:10773]
11	ENSG00000001	-0.27	2e-16	8e-18	36 x 1 chromosome 1 open reading frame 115 [Source:HGNC Symbol;Acc:HGNC:10773]
12	ENSG00000001	0.29	2e-16	8e-18	40 x 1 epithelial cell adhesion molecule [Source:HGNC Symbol;Acc:HGNC:10773]
13	ENSG00000000	-0.22	2e-16	8e-18	37 x 1 MAX dimerization protein 1 [Source:HGNC Symbol;Acc:HGNC:10773]
14	ENSG00000001	-0.18	2e-16	8e-18	40 x 1 vesicle-associated membrane protein 8 [Source:HGNC Symbol;Acc:HGNC:10773]
15	ENSG00000001	-0.63	2e-16	8e-18	40 x 1 fatty acid binding protein 1, liver [Source:HGNC Symbol;Acc:HGNC:10773]
16	ENSG00000001	-0.29	2e-16	8e-18	40 x 1 mal, T-cell differentiation protein-like [Source:HGNC Symbol;Acc:HGNC:10773]
17	ENSG00000001	-0.31	2e-16	8e-18	38 x 1 transmembrane protein 37 [Source:HGNC Symbol;Acc:HGNC:10773]
18	ENSG00000000	-0.27	2e-16	8e-18	39 x 1 dehydrogenase/reductase (SDR family) member 9 [Source:HGNC Symbol;Acc:HGNC:10773]
19	ENSG00000001	-0.26	2e-16	8e-18	36 x 1 solute carrier family 40 (iron-regulated transporter), member 1 [Source:HGNC Symbol;Acc:HGNC:10773]
20	ENSG00000001	-0.16	2e-16	8e-18	36 x 1 chromosome 2 open reading frame 88 [Source:HGNC Symbol;Acc:HGNC:10773]

p-values



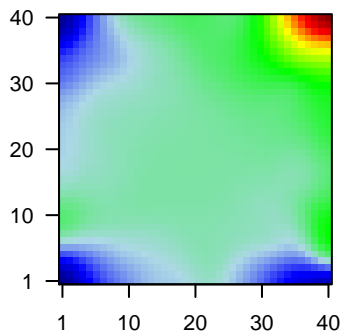
# 04.1134.015\_cH

## Local Summary

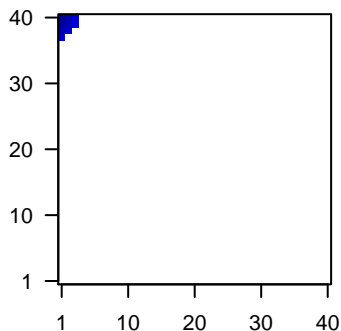
%DE = 0.99  
 # metagenes = 9  
 # genes = 206  
 # genes in genesets = 205  
  
 # genes with  $fdr < 0.1$  = 203 ( 5 + / 198 -)  
 # genes with  $fdr < 0.05$  = 201 ( 5 + / 196 -)  
 # genes with  $fdr < 0.01$  = 192 ( 3 + / 189 -)

$\langle r \rangle$  metagenes = 1  
 $\langle r \rangle$  genes = 0.81  
  
 $\langle FC \rangle$  = -0.17  
 $\langle t\text{-score} \rangle$  = -3.45  
 $\langle p\text{-value} \rangle$  = 0  
 $\langle fdr \rangle$  = 0.07

Profile



Spot



## Local Genelist

Rank	ID	log(FC)	p-value	fdr	Description
1	ENSG0000001	-0.21	2e-16	4e-18	1 x 40 chloride intracellular channel 4 [Source:HGNC Symbol;Acc:H
2	ENSG0000001	-0.26	2e-16	4e-18	1 x 38 cysteine-rich, angiogenic inducer, 61 [Source:HGNC Symbol
3	ENSG0000001	-0.47	2e-16	4e-18	1 x 38
4	ENSG0000000	-0.19	2e-16	4e-18	1 x 39 pleckstrin homology domain containing, family O member 1 [S
5	ENSG0000001	-0.2	2e-16	4e-18	1 x 38 pre-B-cell leukemia homeobox interacting protein 1 [Source:
6	ENSG0000001	-0.23	2e-16	4e-18	1 x 40 regulator of G-protein signaling 5 [Source:HGNC Symbol;Acc
7	ENSG0000001	-0.32	2e-16	4e-18	1 x 40 dermatopontin [Source:HGNC Symbol;Acc:HGNC:3011]
8	ENSG0000001	-0.15	2e-16	4e-18	1 x 40 family with sequence similarity 129, member A [Source:HGNC
9	ENSG0000001	-0.35	2e-16	4e-18	1 x 40 regulator of G-protein signaling 2 [Source:HGNC Symbol;Acc
10	ENSG0000001	-0.23	2e-16	4e-18	1 x 40 cysteine and glycine-rich protein 1 [Source:HGNC Symbol;A
11	ENSG0000001	-0.33	2e-16	4e-18	1 x 40 leiomodulin 1 (smooth muscle) [Source:HGNC Symbol;Acc:HG
12	ENSG0000001	-0.19	2e-16	4e-18	1 x 40 BTG family, member 2 [Source:HGNC Symbol;Acc:HGNC:11
13	ENSG0000000	-0.18	2e-16	4e-18	1 x 40 ATPase, Ca++ transporting, plasma membrane 4 [Source:HG
14	ENSG0000001	-0.25	2e-16	4e-18	3 x 40 inhibitor of DNA binding 2, dominant negative helix-loop-heli
15	ENSG0000001	-0.54	2e-16	4e-18	1 x 40 actin, gamma 2, smooth muscle, enteric [Source:HGNC Syml
16	ENSG0000001	-0.18	2e-16	4e-18	1 x 40 serum deprivation response [Source:HGNC Symbol;Acc:HGNC
17	ENSG0000001	-0.24	2e-16	4e-18	1 x 40 insulin-like growth factor binding protein 5 [Source:HGNC Sy
18	ENSG0000000	-0.2	2e-16	4e-18	1 x 40 tensin 1 [Source:HGNC Symbol;Acc:HGNC:11973]
19	ENSG0000001	-0.73	2e-16	4e-18	1 x 40 desmin [Source:HGNC Symbol;Acc:HGNC:2770]
20	ENSG0000001	-0.17	2e-16	4e-18	1 x 40 popeye domain containing 2 [Source:HGNC Symbol;Acc:HGNC

p-values

