

# 02.4920.001\_nH

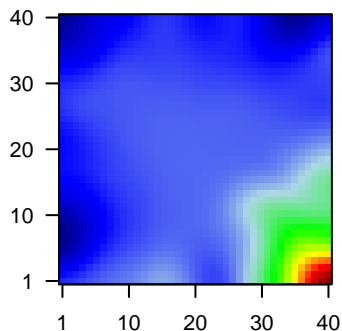
## Global Summary

%DE = 0.26  
 # genes with  $fdr < 0.2$  = 4730 ( 2170 + / 2560 - )  
 # genes with  $fdr < 0.1$  = 4228 ( 2018 + / 2210 - )  
 # genes with  $fdr < 0.05$  = 3797 ( 1883 + / 1914 - )  
 # genes with  $fdr < 0.01$  = 3158 ( 1655 + / 1503 - )

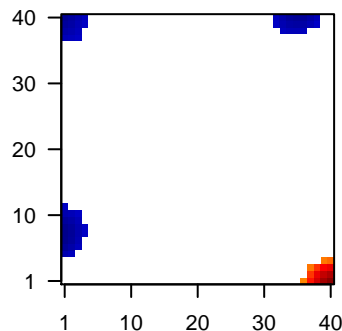
# genes in genesets = 18990

<FC> = 0  
 <t-score> = 0  
 <p-value> = 0.01  
 <fdr> = 0.74

Profile



Regulated Spots

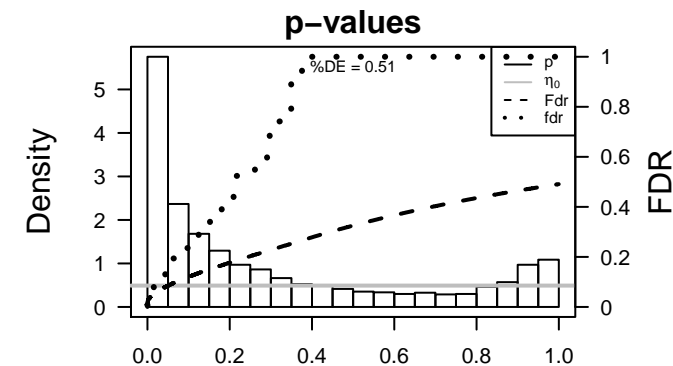
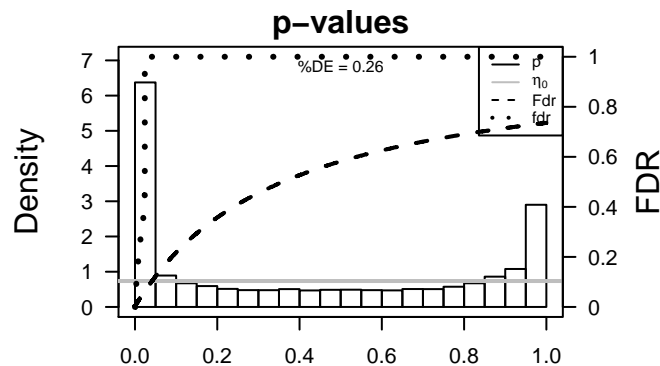


## Global Genelist

Rank	ID	log(FC)	fdr	p-value	Description
1	ENSG000001	0.2	2e-16	3e-15	38 x 7 Rho guanine nucleotide exchange factor (GEF) 16 [Source:HGNC Symbol;Acc:HGNC:100]
2	ENSG000001	-0.21	2e-16	3e-15	1 x 8 ribosomal protein L22 [Source:HGNC Symbol;Acc:HGNC:100]
3	ENSG000001	-0.16	2e-16	3e-15	12 x 40 isoprenylcysteine carboxyl methyltransferase [Source:HGNC Symbol;Acc:HGNC:100]
4	ENSG000001	0.16	2e-16	3e-15	31 x 8 G protein-coupled receptor 153 [Source:HGNC Symbol;Acc:HGNC:100]
5	ENSG000001	0.17	2e-16	3e-15	3 x 32 ERBB receptor feedback inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:100]
6	ENSG000000	-0.22	2e-16	3e-15	38 x 40 enolase 1, (alpha) [Source:HGNC Symbol;Acc:HGNC:3350]
7	ENSG000001	0.18	2e-16	3e-15	28 x 1 dehydrogenase/reductase (SDR family) member 3 [Source:HGNC Symbol;Acc:HGNC:100]
8	ENSG000001	0.18	2e-16	3e-15	28 x 1 transmembrane protein 82 [Source:HGNC Symbol;Acc:HGNC:100]
9	ENSG000001	0.3	2e-16	3e-15	33 x 1 filamin binding LIM protein 1 [Source:HGNC Symbol;Acc:HGNC:100]
10	ENSG000001	0.26	2e-16	3e-15	38 x 6 EPH receptor A2 [Source:HGNC Symbol;Acc:HGNC:3386]
11	ENSG000001	-0.16	2e-16	3e-15	36 x 40 regulator of chromosome condensation 2 [Source:HGNC Symbol;Acc:HGNC:100]
12	ENSG000001	0.28	2e-16	3e-15	40 x 40 phospholipase A2, group IIA (platelets, synovial fluid) [Source:HGNC Symbol;Acc:HGNC:100]
13	ENSG000001	0.26	2e-16	3e-15	37 x 1 calcium/calmodulin-dependent protein kinase II inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:100]
14	ENSG000001	0.85	2e-16	3e-15	38 x 1 cytidine deaminase [Source:HGNC Symbol;Acc:HGNC:1712]
15	ENSG000001	0.23	2e-16	3e-15	33 x 1 inhibitor of DNA binding 3, dominant negative helix-loop-helix [Source:HGNC Symbol;Acc:HGNC:100]
16	ENSG000000	0.15	2e-16	3e-15	40 x 6 lysophospholipase II [Source:HGNC Symbol;Acc:HGNC:6736]
17	ENSG000001	0.23	2e-16	3e-15	40 x 7 UDP-galactose-4-epimerase [Source:HGNC Symbol;Acc:HGNC:100]
18	ENSG000001	0.19	2e-16	3e-15	38 x 1 fucosidase, alpha-L-1, tissue [Source:HGNC Symbol;Acc:HGNC:100]
19	ENSG000001	0.32	2e-16	3e-15	37 x 2 interleukin 22 receptor, alpha 1 [Source:HGNC Symbol;Acc:HGNC:100]
20	ENSG000001	0.17	2e-16	3e-15	15 x 1 arginine/serine-rich protein 1 [Source:HGNC Symbol;Acc:HGNC:100]

## Global Geneset Analysis

Rank	GSZ	p-value	#all	Geneset
<i>Overexpressed</i>				
1	26.8	0e+00	104	Colon Cancer
2	24.69	2e-06	110	Colon Cancer
3	24.18	5e-06	507	Colon Cancer
4	18.12	2e-05	222	GSEA C2DOLDREN_GEFITINIB_RESISTANCE_DN
5	17.24	2e-05	126	GSEA C2VECCI_GASTRIC_CANCER_ADVANCED_VS_EARLY_DN
6	17.13	2e-05	251	GSEA C2WAMUNYOKOLI_OVARIAN_CANCER_LMP_UP
7	17.03	2e-05	1624	GSEA C2DODD_NASOPHARYNGEAL_CARCINOMA_UP
8	16.82	2e-05	643	Colon Cancer
9	16.41	2e-05	49	Colon Cancer
10	16.32	2e-05	144	Lymphoma
11	16.32	2e-05	142	Lymphoma
12	14.97	3e-05	262	GSEA C2SABATES_COLORECTAL_ADENOMA_DN
13	14.94	3e-05	455	GSEA C2ONDER_CDH1_TARGETS_2_DN
14	14.9	3e-05	248	GSEA C2IAEGER_METASTASIS_DN
15	14.21	4e-05	616	Colon Cancer
16	14.18	4e-05	429	GSEA C2CHARAFE_BREAST_CANCER_LUMINAL_VS_MESENCHYMAL
17	13.59	4e-05	412	GSEA C2JIM_MAMMARY_STEM_CELL_DN
18	13.54	4e-05	123	GSEA C2KIM_RESPONSE_TO_TSA_AND_DECITABINE_UP
19	12.96	5e-05	641	GSEA C2FEVR_CTNNB1_TARGETS_UP
20	12.5	6e-05	137	Tissue WIRTH_Mucosa
<i>Underexpressed</i>				
1	-18.08	2e-05	6320	Brain
2	-17.89	2e-05	1091	MF
3	-17.67	2e-05	10239	Brain
4	-16.42	2e-05	5643	Lymphoma
5	-16.03	2e-05	1298	GSEA C2DODD_NASOPHARYNGEAL_CARCINOMA_DN
6	-15.16	3e-05	7491	Lymphoma
7	-14.79	3e-05	1563	GSEA C2PUJANA_BRCA1_PCC_NETWORK
8	-14.16	4e-05	9923	Brain
9	-14.13	4e-05	195	HM
10	-13.37	4e-05	142	GSEA C2REACTOME_TRANSLATION
11	-13.24	4e-05	1340	GSEA C2PUJANA_ATM_PCC_NETWORK
12	-13.14	4e-05	713	Colon Cancer
13	-12.9	5e-05	102	GSEA C2REACTOME_3_UTR_MEDIATED_TRANSLATIONAL_REGULATION
14	-12.62	6e-05	142	BP translational initiation
15	-12.52	6e-05	170	GSEA C2JISON_SICKLE_CELL_DISEASE_DN
16	-12.44	6e-05	513	MF RNA binding
17	-12.3	6e-05	747	GSEA C2PUJANA_CHEK2_PCC_NETWORK
18	-12.16	7e-05	82	GSEA C2REACTOME_PEPTIDE_CHAIN_ELONGATION
19	-12.13	7e-05	582	GSEA C2CAIRO_HEPATOBLASTOMA_CLASSES_UP
20	-12.08	7e-05	101	BP translational elongation



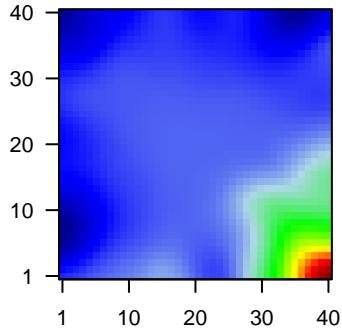
# 02.4920.001\_nH

## Local Summary

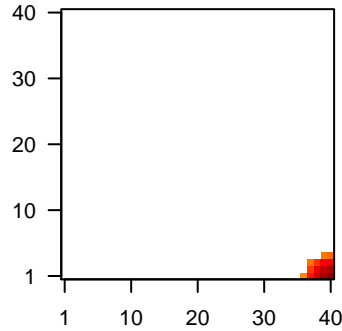
%DE = 0.97  
 # metagenes = 15  
 # genes = 288  
 # genes in genesets = 282  
  
 # genes with  $fdr < 0.1$  = 277 ( 272 + / 5 -)  
 # genes with  $fdr < 0.05$  = 277 ( 272 + / 5 -)  
 # genes with  $fdr < 0.01$  = 270 ( 266 + / 4 -)

$\langle r \rangle$  metagenes = 0.99  
 $\langle r \rangle$  genes = 0.66  
  
 $\langle FC \rangle$  = 0.32  
 $\langle t\text{-score} \rangle$  = 6.47  
 $\langle p\text{-value} \rangle$  = 0  
 $\langle fdr \rangle$  = 0.04

Profile



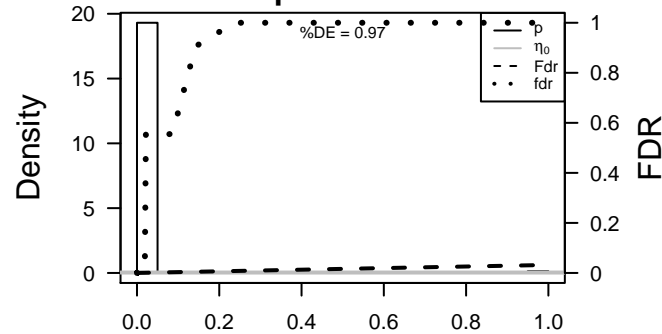
Spot



## Local Genelist

Rank	ID	log(FC)	fdr	p-value	Description
1	ENSG0000001	0.26	2e-16	9e-18	37 x 1 calcium/calmodulin-dependent protein kinase II inhibitor 1 [S
2	ENSG0000001	0.85	2e-16	9e-18	38 x 1 cytidine deaminase [Source:HGNC Symbol;Acc:HGNC:1712]
3	ENSG0000001	0.19	2e-16	9e-18	38 x 1 fucosidase, alpha-L- 1, tissue [Source:HGNC Symbol;Acc:H
4	ENSG0000001	0.32	2e-16	9e-18	37 x 2 interleukin 22 receptor, alpha 1 [Source:HGNC Symbol;Acc:H
5	ENSG0000001	0.44	2e-16	9e-18	40 x 3 SH3 domain binding glutamate-rich protein like 3 [Source:HC
6	ENSG0000001	0.22	2e-16	9e-18	39 x 4 ribosomal protein S6 kinase, 90kDa, polypeptide 1 [Source:H
7	ENSG0000001	0.58	2e-16	9e-18	40 x 1 stratifin [Source:HGNC Symbol;Acc:HGNC:10773]
8	ENSG0000001	0.36	2e-16	9e-18	40 x 1 serine incorporator 2 [Source:HGNC Symbol;Acc:HGNC:232:
9	ENSG0000001	0.37	2e-16	9e-18	40 x 1 transmembrane protein 54 [Source:HGNC Symbol;Acc:HGNC
10	ENSG0000000	1.12	2e-16	9e-18	40 x 1 guanylate cyclase activator 2B (uroguanylin) [Source:HGNC :
11	ENSG0000001	1.42	2e-16	9e-18	40 x 1 guanylate cyclase activator 2A (guanylin) [Source:HGNC Syr
12	ENSG0000002	0.23	2e-16	9e-18	38 x 2 chromosome 1 open reading frame 210 [Source:HGNC Synt
13	ENSG0000001	0.36	2e-16	9e-18	36 x 1 bestrophin 4 [Source:HGNC Symbol;Acc:HGNC:17106]
14	ENSG0000001	0.82	2e-16	9e-18	40 x 1 tetraspanin 1 [Source:HGNC Symbol;Acc:HGNC:20657]
15	ENSG0000000	0.73	2e-16	9e-18	40 x 1 chloride channel accessory 4 [Source:HGNC Symbol;Acc:HG
16	ENSG0000001	0.29	2e-16	9e-18	40 x 3 EPS8-like 3 [Source:HGNC Symbol;Acc:HGNC:21297]
17	ENSG0000001	0.37	2e-16	9e-18	37 x 1 ras homolog family member C [Source:HGNC Symbol;Acc:H(
18	ENSG0000002	0.27	2e-16	9e-18	36 x 1 Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:U3I
19	ENSG0000001	-0.17	2e-16	9e-18	40 x 4 ATPase, Na+/K+ transporting, alpha 1 polypeptide [Source:H
20	ENSG0000001	0.2	2e-16	9e-18	40 x 1 3-hydroxy-3-methylglutaryl-CoA synthase 2 (mitochondrial)

p-values



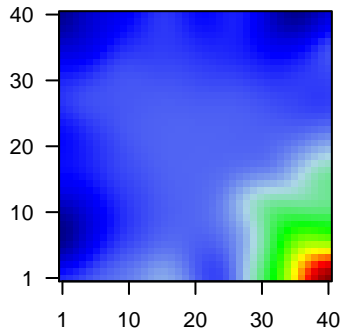
# 02.4920.001\_nH

## Local Summary

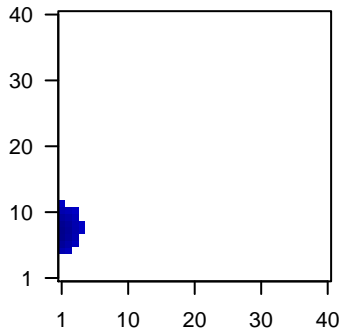
%DE = 0.97  
 # metagenes = 23  
 # genes = 342  
 # genes in genesets = 323  
  
 # genes with fdr < 0.1 = 330 ( 2 + / 328 -)  
 # genes with fdr < 0.05 = 326 ( 0 + / 326 -)  
 # genes with fdr < 0.01 = 317 ( 0 + / 317 -)

<r> metagenes = 0.95  
 <r> genes = 0.61  
  
 <FC> = -0.11  
 <t-score> = -2.32  
 <p-value> = 0  
 <fdr> = 0.07

Profile



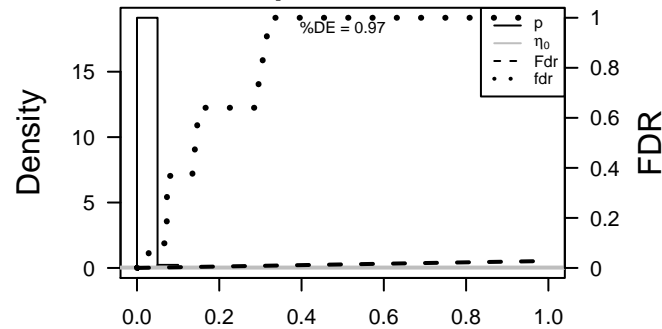
Spot



## Local Genelist

Rank	ID	log(FC)	fdr	p-value	Description
1	ENSG0000001	-0.21	2e-16	2e-17	1 x 8 ribosomal protein L22 [Source:HGNC Symbol;Acc:HGNC:103
2	ENSG0000002	-0.16	2e-16	2e-17	1 x 11
3	ENSG0000000	-0.16	2e-16	2e-17	1 x 9 thyroid hormone receptor associated protein 3 [Source:HGNC
4	ENSG0000001	-0.19	2e-16	2e-17	1 x 9 palmitoyl-protein thioesterase 1 [Source:HGNC Symbol;Acc:HGNC:103
5	ENSG0000000	-0.17	2e-16	2e-17	1 x 10 Y box binding protein 1 [Source:HGNC Symbol;Acc:HGNC:80
6	ENSG0000001	-0.22	2e-16	2e-17	1 x 8 ribosomal protein L5 [Source:HGNC Symbol;Acc:HGNC:103
7	ENSG0000001	-0.17	2e-16	2e-17	1 x 6
8	ENSG0000002	-0.16	2e-16	2e-17	1 x 6
9	ENSG0000002	-0.19	2e-16	2e-17	1 x 6
10	ENSG0000001	-0.19	2e-16	2e-17	1 x 8 acidic (leucine-rich) nuclear phosphoprotein 32 family, memb
11	ENSG0000001	-0.2	2e-16	2e-17	1 x 6 adenosine deaminase, RNA-specific [Source:HGNC Symbol;Acc:HGNC:103
12	ENSG0000001	-0.21	2e-16	2e-17	1 x 10 lamin B receptor [Source:HGNC Symbol;Acc:HGNC:6518]
13	ENSG0000001	-0.17	2e-16	2e-17	1 x 10 interferon regulatory factor 2 binding protein 2 [Source:HGNC
14	ENSG0000001	-0.15	2e-16	2e-17	1 x 9 heterogeneous nuclear ribonucleoprotein U (scaffold attachm
15	ENSG0000001	-0.18	2e-16	2e-17	1 x 8 heterogeneous nuclear ribonucleoprotein A3 [Source:HGNC :
16	ENSG0000001	-0.2	2e-16	2e-17	1 x 6 signal transducer and activator of transcription 1, 91kDa [Sou
17	ENSG0000001	-0.17	2e-16	2e-17	1 x 8 ribosomal protein L15 [Source:HGNC Symbol;Acc:HGNC:103
18	ENSG0000000	-0.15	2e-16	2e-17	1 x 9 topoisomerase (DNA) II beta 180kDa [Source:HGNC Symbol
19	ENSG0000001	-0.17	2e-16	2e-17	2 x 8 WD repeat domain 6 [Source:HGNC Symbol;Acc:HGNC:127
20	ENSG0000001	-0.19	2e-16	2e-17	1 x 10 CCHC-type zinc finger, nucleic acid binding protein [Source:t

p-values



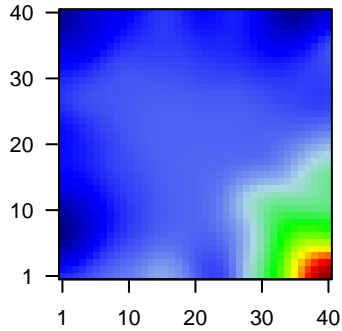
# 02.4920.001\_nH

## Local Summary

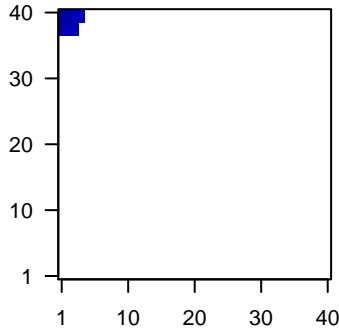
%DE = 0.95  
 # metagenes = 14  
 # genes = 269  
 # genes in genesets = 266  
  
 # genes with  $fdr < 0.1$  = 247 ( 13 + / 234 - )  
 # genes with  $fdr < 0.05$  = 244 ( 13 + / 231 - )  
 # genes with  $fdr < 0.01$  = 225 ( 12 + / 213 - )

$\langle r \rangle$  metagenes = 0.99  
 $\langle r \rangle$  genes = 0.81  
  
 $\langle FC \rangle = -0.1$   
 $\langle t\text{-score} \rangle = -2$   
 $\langle p\text{-value} \rangle = 0$   
 $\langle fdr \rangle = 0.14$

Profile



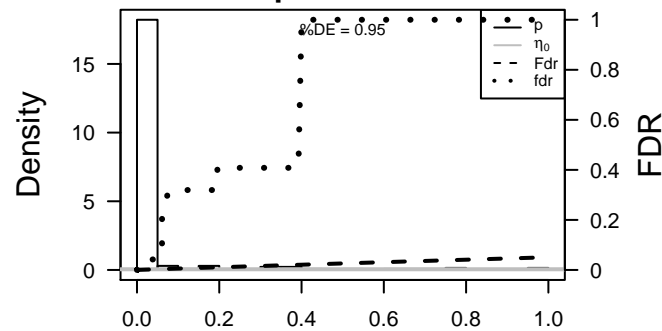
Spot



## Local Genelist

Rank	ID	log(FC)	p-value	fdr	Description
1	ENSG000000	-0.24	2e-16	5e-17	2 x 38 cold shock domain containing E1, RNA-binding [Source:HGNC]
2	ENSG000001	-0.18	2e-16	5e-17	4 x 40 prostaglandin F2 receptor inhibitor [Source:HGNC Symbol;Acc:HGNC:11973]
3	ENSG000001	-0.25	2e-16	5e-17	1 x 38
4	ENSG000001	-0.19	2e-16	5e-17	1 x 38 pre-B-cell leukemia homeobox interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:11973]
5	ENSG000001	-0.19	2e-16	5e-17	1 x 40 regulator of G-protein signaling 5 [Source:HGNC Symbol;Acc:HGNC:11973]
6	ENSG000001	-0.17	2e-16	5e-17	1 x 40 cysteine and glycine-rich protein 1 [Source:HGNC Symbol;Acc:HGNC:11973]
7	ENSG000001	-0.19	2e-16	5e-17	1 x 40 leiomodulin 1 (smooth muscle) [Source:HGNC Symbol;Acc:HGNC:11973]
8	ENSG000001	-0.27	2e-16	5e-17	1 x 40 BTG family, member 2 [Source:HGNC Symbol;Acc:HGNC:11973]
9	ENSG000000	-0.2	2e-16	5e-17	1 x 40 ATPase, Ca++ transporting, plasma membrane 4 [Source:HGNC Symbol;Acc:HGNC:11973]
10	ENSG000002	-0.31	2e-16	5e-17	2 x 37
11	ENSG000001	-0.23	2e-16	5e-17	1 x 40 ras homolog family member B [Source:HGNC Symbol;Acc:HGNC:11973]
12	ENSG000001	-0.33	2e-16	5e-17	1 x 40 collagen, type III, alpha 1 [Source:HGNC Symbol;Acc:HGNC:11973]
13	ENSG000001	-0.2	2e-16	5e-17	1 x 40 fibronectin 1 [Source:HGNC Symbol;Acc:HGNC:3778]
14	ENSG000001	-0.24	2e-16	5e-17	1 x 40 insulin-like growth factor binding protein 5 [Source:HGNC Symbol;Acc:HGNC:11973]
15	ENSG000000	-0.18	2e-16	5e-17	1 x 40 tensin 1 [Source:HGNC Symbol;Acc:HGNC:11973]
16	ENSG000001	0.17	2e-16	5e-17	1 x 40 desmin [Source:HGNC Symbol;Acc:HGNC:2770]
17	ENSG000001	-0.18	2e-16	5e-17	1 x 40 follistatin-like 1 [Source:HGNC Symbol;Acc:HGNC:3972]
18	ENSG000000	-0.16	2e-16	5e-17	1 x 40 myosin light chain kinase [Source:HGNC Symbol;Acc:HGNC:11973]
19	ENSG000001	-0.2	2e-16	5e-17	1 x 40 SPARC-like 1 (hevin) [Source:HGNC Symbol;Acc:HGNC:112]
20	ENSG000001	-0.17	2e-16	5e-17	1 x 40 synaptopodin 2 [Source:HGNC Symbol;Acc:HGNC:17732]

p-values



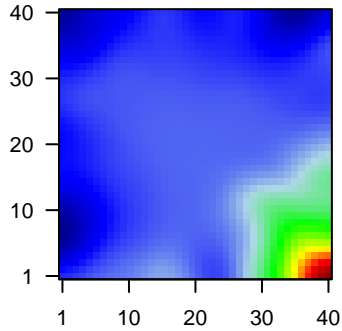
# 02.4920.001\_nH

## Local Summary

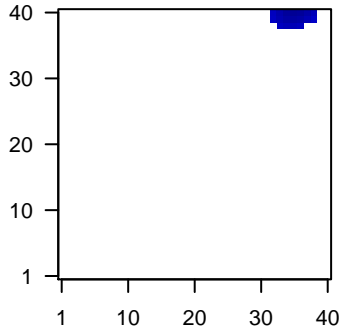
%DE = 0.96  
 # metagenes = 18  
 # genes = 311  
 # genes in genesets = 304  
  
 # genes with  $fdr < 0.1$  = 278 ( 5 + / 273 -)  
 # genes with  $fdr < 0.05$  = 278 ( 5 + / 273 -)  
 # genes with  $fdr < 0.01$  = 262 ( 5 + / 257 -)

$\langle r \rangle$  metagenes = 0.96  
 $\langle r \rangle$  genes = 0.59  
  
 $\langle FC \rangle$  = -0.12  
 $\langle t\text{-score} \rangle$  = -2.39  
 $\langle p\text{-value} \rangle$  = 0  
 $\langle fdr \rangle$  = 0.15

Profile



Spot



## Local Genelist

Rank	ID	log(FC)	p-value	fdr	Description
1	ENSG00000000	-0.22	2e-16	3e-17	38 x 40 enolase 1, (alpha) [Source:HGNC Symbol;Acc:HGNC:3350]
2	ENSG00000001	-0.16	2e-16	3e-17	36 x 40 regulator of chromosome condensation 2 [Source:HGNC Syn
3	ENSG00000001	-0.2	2e-16	3e-17	38 x 39 peroxiredoxin 1 [Source:HGNC Symbol;Acc:HGNC:9352]
4	ENSG00000001	-0.2	2e-16	3e-17	32 x 40 cellular repressor of E1A-stimulated genes 1 [Source:HGNC
5	ENSG00000001	-0.2	2e-16	3e-17	34 x 40 translocase of outer mitochondrial membrane 20 homolog (ye
6	ENSG00000001	-0.17	2e-16	3e-17	36 x 40 EDAR-associated death domain [Source:HGNC Symbol;Acc
7	ENSG00000001	-0.15	2e-16	3e-17	37 x 40 protein disulfide isomerase family A, member 6 [Source:HGN
8	ENSG00000001	-0.16	2e-16	3e-17	34 x 40 ribosomal protein S27a [Source:HGNC Symbol;Acc:HGNC:11
9	ENSG00000001	-0.23	2e-16	3e-17	38 x 40 heat shock 60kDa protein 1 (chaperonin) [Source:HGNC Syrr
10	ENSG00000001	-0.32	2e-16	3e-17	34 x 40 nucleolin [Source:HGNC Symbol;Acc:HGNC:7667]
11	ENSG00000001	-0.36	2e-16	3e-17	35 x 40 prothymosin, alpha [Source:HGNC Symbol;Acc:HGNC:9623]
12	ENSG00000001	-0.16	2e-16	3e-17	34 x 39 STT3B, subunit of the oligosaccharyltransferase complex (cat
13	ENSG00000001	-0.16	2e-16	3e-17	36 x 40 ribosomal protein L14 [Source:HGNC Symbol;Acc:HGNC:10
14	ENSG00000001	-0.19	2e-16	3e-17	37 x 40 IMP (inosine 5'-monophosphate) dehydrogenase 2 [Source:t
15	ENSG00000001	-0.16	2e-16	3e-17	37 x 40 phosphoribosylaminoimidazole carboxylase, phosphoribosyla
16	ENSG00000001	-0.26	2e-16	3e-17	38 x 40 chemokine (C-X-C motif) ligand 8 [Source:HGNC Symbol;Ac
17	ENSG00000000	-0.27	2e-16	3e-17	38 x 40 chemokine (C-X-C motif) ligand 2 [Source:HGNC Symbol;Ac
18	ENSG00000001	-0.16	2e-16	3e-17	34 x 40 ribosomal protein S3A [Source:HGNC Symbol;Acc:HGNC:10
19	ENSG00000001	-0.18	2e-16	3e-17	35 x 40 high mobility group box 2 [Source:HGNC Symbol;Acc:HGNC:
20	ENSG00000001	-0.17	2e-16	3e-17	35 x 40 heat shock 70kDa protein 9 (mortalin) [Source:HGNC Symbo

p-values

