

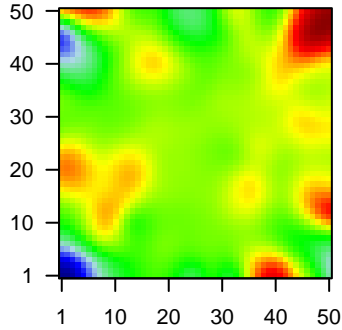
GW_023

Global Summary

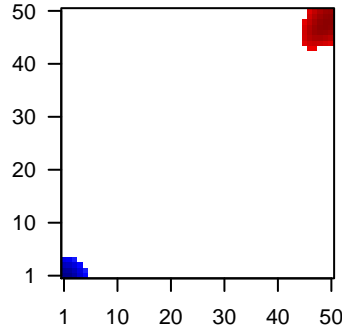
%DE = 0.14
 # genes with fdr < 0.2 = 1765 (937 + / 828 -)
 # genes with fdr < 0.1 = 1458 (765 + / 693 -)
 # genes with fdr < 0.05 = 1186 (621 + / 565 -)
 # genes with fdr < 0.01 = 841 (438 + / 403 -)
 # genes in genesets = 16332

<FC> = 0
 <shrinkage-t> = 0
 <p-value> = 0.1
 <fdr> = 0.86

Profile



Regulated Spots



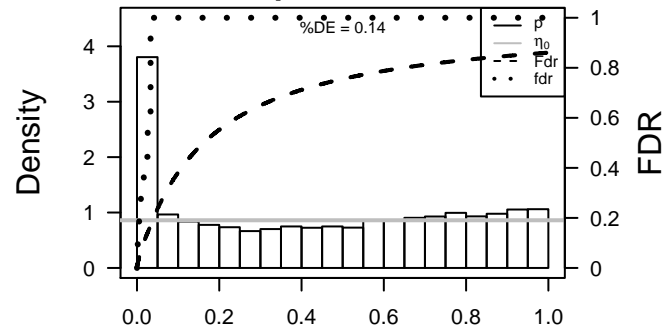
Global Genelist

Rank	ID	log(FC)	fdr p-value	Description Metagene
1	154664	1.57	2e-16 4e-14	50 x 50 ATP-binding cassette, sub-family A (ABC1), member 13 [Source:HGNC Symbol;Acc:15120]
2	124	2.04	2e-16 4e-14	50 x 11 alcohol dehydrogenase 1A (class I), alpha polypeptide [Source:HGNC Symbol;Acc:15120]
3	126	1.85	2e-16 4e-14	50 x 12 alcohol dehydrogenase 1C (class I), gamma polypeptide [Source:HGNC Symbol;Acc:15120]
4	10551	1.51	2e-16 4e-14	50 x 10 anterior gradient 2 [Source:HGNC Symbol;Acc:328]
5	57016	-1.39	2e-16 4e-14	1 x 50 aldo-keto reductase family 1, member B10 (aldose reductase) [Source:HGNC Symbol;Acc:15120]
6	214	1.47	2e-16 4e-14	50 x 50 activated leukocyte cell adhesion molecule [Source:HGNC Symbol;Acc:15120]
7	55107	-2	2e-16 4e-14	1 x 5 anoctamin 1, calcium activated chloride channel [Source:HGNC Symbol;Acc:15120]
8	445	1.51	2e-16 4e-14	50 x 47 argininosuccinate synthase 1 [Source:HGNC Symbol;Acc:75]
9	84707	1.59	2e-16 4e-14	50 x 48 brain expressed X-linked 2 [Source:HGNC Symbol;Acc:3093]
10	56892	1.83	2e-16 4e-14	50 x 7 chromosome 8 open reading frame 4 [Source:HGNC Symbol;Acc:15120]
11	51806	1.39	2e-16 4e-14	4 x 50 calmodulin-like 5 [Source:HGNC Symbol;Acc:18180]
12	875	2.01	2e-16 4e-14	49 x 47 cystathionine-beta-synthase [Source:HGNC Symbol;Acc:15120]
13	6364	2.78	2e-16 4e-14	46 x 1 chemokine (C-C motif) ligand 20 [Source:HGNC Symbol;Acc:15120]
14	595	-1.79	2e-16 4e-14	1 x 6 cyclin D1 [Source:HGNC Symbol;Acc:1582]
15	1056	2.11	2e-16 4e-14	50 x 50 carboxyl ester lipase [Source:HGNC Symbol;Acc:1848]
16	22802	1.77	2e-16 4e-14	1 x 50 chloride channel accessory 4 [Source:HGNC Symbol;Acc:20]
17	1307	-1.34	2e-16 4e-14	1 x 2 collagen, type XVI, alpha 1 [Source:HGNC Symbol;Acc:2193]
18	1278	-1.34	2e-16 4e-14	2 x 1 collagen, type I, alpha 2 [Source:HGNC Symbol;Acc:2198]
19	1289	-1.67	2e-16 4e-14	2 x 1 collagen, type V, alpha 1 [Source:HGNC Symbol;Acc:2209]
20	1298	1.56	2e-16 4e-14	50 x 17 collagen, type IX, alpha 2 [Source:HGNC Symbol;Acc:2218]

Global Geneset Analysis

Rank	GSZ	p-value	#all	Geneset
<i>Overexpressed</i>				
1	13.32	NULL	630	Chr Chr X
2	12.36	NULL	1720	Chr Chr 1
3	11.72	NULL	717	Chr Chr 16
4	8.61	NULL	914	Chr Chr 3
5	8.43	NULL	386	Chr Chr 22
6	7.77	NULL	4	MMML C6S CIEJ_MMML 23
7	7.61	NULL	13	GSEA C2SLEBOS_HEAD_AND_NECK_CANCER_WITH_HPV_UP
8	7.32	NULL	7	MMML C6S CIEJ_MMML 13
9	7.17	NULL	10	BP cellular response to zinc ion
10	6.9	NULL	1318	CC mitochondrion
11	6.59	NULL	15	BP negative regulation of growth
12	6.56	NULL	142	Glio wilscher_GBM_Verhaak-CL_expression_C_up
13	6.56	NULL	142	Glio wilscher_GBM_Verhaak-PNmut_expression_C_down
14	6.44	NULL	304	CC mitochondrial inner membrane
15	6.3	NULL	30	BP DNA strand elongation involved in DNA replication
16	6.27	NULL	13	BP regulation of blood vessel size
17	6.04	NULL	13	BP cellular response to cadmium ion
18	5.52	NULL	296	MF oxidoreductase activity
19	5.33	NULL	7	GSEA C2MCCOLLUM_GELDANAMYCIN_RESISTANCE_DN
20	5.32	NULL	10	CC hemoglobin complex
<i>Underexpressed</i>				
1	-13.5	NULL	250	LymphomaENZ_Stromal signature 1
2	-13.05	NULL	190	CC extracellular matrix
3	-12.21	NULL	280	Chr Chr 13
4	-12.1	NULL	242	BP extracellular matrix organization
5	-11.57	NULL	16	GSEA C2CROONQUIST_STROMAL_STIMULATION_UP
6	-10.97	NULL	265	Glio wilscher_GBM_Verhaak-CL_expression_B_up
7	-10.97	NULL	265	Glio wilscher_GBM_Verhaak-MES_expression_B_up
8	-10.97	NULL	265	Glio wilscher_GBM_Verhaak-PNwt_expression_B_down
9	-10.97	NULL	265	Glio wilscher_GBM_Verhaak-PNmut_expression_B_down
10	-10.74	NULL	403	BP cell adhesion
11	-9.49	NULL	15	GSEA C2MASRI_RESISTANCE_TO_TAMOXIFEN_AND_AROMATASE_INH
12	-9.15	NULL	683	CC extracellular space
13	-8.91	NULL	11	MF platelet-derived growth factor binding
14	-8.61	NULL	553	Cancer Lembcke_Colonc Inflammation
15	-8.58	NULL	35	Glio Colman_survival_associated
16	-8.52	NULL	69	BP extracellular matrix disassembly
17	-8.38	NULL	2659	CC plasma membrane
18	-8.22	NULL	1182	CC extracellular region
19	-8.12	NULL	5	GSEA C2VERNELL_RETINOBLASTOMA_PATHWAY_DN
20	-7.89	NULL	13	GSEA C2FRIDMAN_SENESCENCE_UP

p-values



GW_023

Local Summary

%DE = 0.73
 # metagenes = 42
 # genes = 473
 # genes in genesets = 469

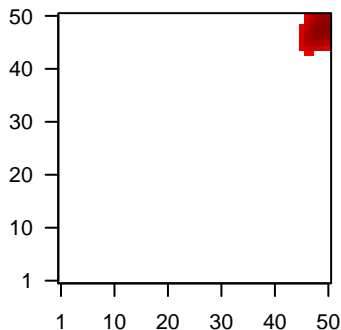
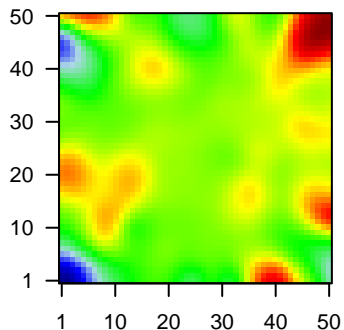
genes with $fdr < 0.1 = 246$ (224 + / 22 -)
 # genes with $fdr < 0.05 = 199$ (182 + / 17 -)
 # genes with $fdr < 0.01 = 139$ (124 + / 15 -)

<r> metagenes = 0.9
 <r> genes = 0.23

<FC> = 0.35
 <shrinkage-t> = 12.25
 <p-value> = 0
 <fdr> = 0.55

Profile

Spot



Local Genelist

Rank	ID	log(FC)	fdr	p-value	Description
1	154664	1.57	2e-16	2e-15	50 x 50 ATP-binding cassette, sub-family A (ABC1), member 13 [Source:HGNC Symbol;Acc:154664]
2	214	1.47	2e-16	2e-15	50 x 50 activated leukocyte cell adhesion molecule [Source:HGNC Symbol;Acc:214]
3	445	1.51	2e-16	2e-15	50 x 47 argininosuccinate synthase 1 [Source:HGNC Symbol;Acc:751]
4	84707	1.59	2e-16	2e-15	50 x 48 brain expressed X-linked 2 [Source:HGNC Symbol;Acc:3093]
5	875	2.01	2e-16	2e-15	49 x 47 cystathionine-beta-synthase [Source:HGNC Symbol;Acc:151]
6	1056	2.11	2e-16	2e-15	50 x 50 carboxyl ester lipase [Source:HGNC Symbol;Acc:1848]
7	2719	1.43	2e-16	2e-15	50 x 50 glypican 3 [Source:HGNC Symbol;Acc:4451]
8	3880	2.06	2e-16	2e-15	50 x 49 keratin 19 [Source:HGNC Symbol;Acc:6436]
9	4744	1.5	2e-16	2e-15	45 x 44 neurofilament, heavy polypeptide [Source:HGNC Symbol;Acc:4744]
10	4922	4.08	2e-16	2e-15	50 x 50 neurotensin [Source:HGNC Symbol;Acc:8038]
11	26227	1.45	2e-16	2e-15	50 x 46 phosphoglycerate dehydrogenase [Source:HGNC Symbol;Acc:26227]
12	139728	1.92	2e-16	2e-15	49 x 49 pregnancy up-regulated nonubiquitous CaM kinase [Source:HGNC Symbol;Acc:139728]
13	388228	1.37	2e-16	2e-15	50 x 45 SH3 domain binding kinase 1 [Source:HGNC Symbol;Acc:171]
14	11013	1.66	2e-16	2e-15	49 x 45 thymosin beta 15a [Source:HGNC Symbol;Acc:30744]
15	7546	1.72	2e-16	2e-15	48 x 50 Zic family member 2 [Source:HGNC Symbol;Acc:12873]
16	4171	1.3	4e-16	6e-14	46 x 48 minichromosome maintenance complex component 2 [Source:HGNC Symbol;Acc:4171]
17	113802	1.29	9e-16	3e-13	46 x 46 HEN1 methyltransferase homolog 1 (Arabidopsis) [Source:HGNC Symbol;Acc:113802]
18	116832	1.26	4e-15	3e-13	46 x 50 ribosomal protein L39-like [Source:HGNC Symbol;Acc:17094]
19	54457	1.25	6e-15	1e-12	46 x 44 TAF7-like RNA polymerase II, TATA box binding protein (TBP) [Source:HGNC Symbol;Acc:54457]
20	10655	1.24	1e-14	8e-12	50 x 50 doublesex and mab-3 related transcription factor 2 [Source:HGNC Symbol;Acc:10655]

Local Geneset Analysis

Overexpression

Rank	GSZ	p-value	#in/all	Geneset
1	20.2	NULL	2 / 7	GSEA C2MCCOLLUM_GELDANAMYCIN_RESISTANCE_DN
2	19.46	NULL	4 / 13	BP regulation of blood vessel size
3	16.39	NULL	6 / 13	GSEA C2SLEBOS_HEAD_AND_NECK_CANCER_WITH_HPV_UP
4	12.7	NULL	1 / 11	Glio neurons_glio
5	12.41	NULL	3 / 8	GSEA C2LIU_CDX2_TARGETS_DN
6	11.58	NULL	7 / 11	GSEA C2KALMA_E2F1_TARGETS
7	11.2	NULL	4 / 15	GSEA C2JDAYAKUMAR_MED1_TARGETS_UP
8	11.13	NULL	3 / 14	GSEA C2KEGG_GLYCINE_SERINE_AND_THREONINE_METABOLISM
9	10.68	NULL	1 / 15	MF neuropeptide hormone activity
10	10.63	NULL	3 / 13	GSEA C2TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_MONOCYTOGENESIS
11	10.59	NULL	4 / 16	GSEA C2KAN_RESPONSE_TO_ARSENIC_TRIOXIDE
12	10.33	NULL	31 / 149	BP DNA replication
13	10.08	NULL	4 / 7	GSEA C2REACTOME_G1_S_TRANSITION
14	10.06	NULL	3 / 12	GSEA C2KAYO_AGING_MUSCLE_UP
15	9.88	NULL	12 / 30	BP DNA strand elongation involved in DNA replication
16	9.77	NULL	5 / 11	GSEA C2REACTOME_UNWINDING_OF_DNA
17	9.53	NULL	4 / 12	GSEA C2I_WILMS_TUMOR_VS_FETAL_KIDNEY_1_DN
18	9.42	NULL	3 / 10	GSEA C2BROWNE_HCMV_INFECTION_12HR_UP
19	9.36	NULL	6 / 19	BP cellular amino acid biosynthetic process
20	9.21	NULL	7 / 14	GSEA C2PUJANA_BRCA_CENTERED_NETWORK
21	8.8	NULL	4 / 16	GSEA C2GARASHI_ATF4_TARGETS_DN
22	8.79	NULL	3 / 11	GSEA C2SATO_SILENCED_BY_METHYLATION_IN_PANCREATIC_CANCER
23	8.75	NULL	6 / 13	GSEA C2PUJANA_XPRSS_INT_NETWORK
24	8.69	NULL	4 / 11	GSEA C2LIANG_SILENCED_BY_METHYLATION_DN
25	8.68	NULL	5 / 16	GSEA C2PUJANA_BREAST_CANCER_WITH_BRCA1_MUTATED_UP
26	8.68	NULL	6 / 16	GSEA C2BIOCARTA_MCM_PATHWAY
27	8.63	NULL	1 / 6	GSEA C2SHARMA_PILOCYTIC_ASTROCYTOMA_LOCATION_DN
28	8.6	NULL	2 / 13	GSEA C2BLUM_RESPONSE_TO_SALIRASIB_UP
29	8.54	NULL	3 / 14	GSEA C2HENDRICKS_SMARCA4_TARGETS_DN
30	8.35	NULL	79 / 914	Chr 3
31	8.32	NULL	3 / 15	GSEA C2SHEDDEN_LUNG_CANCER_POOR_SURVIVAL_A6
32	8.2	NULL	7 / 16	GSEA C2REACTOME_DNA_STRAND_ELONGATION
33	8.12	NULL	3 / 8	GSEA C2REACTOME_E2F_TRANSCRIPTIONAL_TARGETS_AT_G1_S
34	7.96	NULL	6 / 16	GSEA C2REACTOME_ACTIVATION_OF_THE_PRE_REPLICATIVE_COMPLEX
35	7.94	NULL	5 / 15	GSEA C2REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_REPLISOME
36	7.92	NULL	2 / 15	GSEA C2KRIGE_AMINO_ACID_DEPRIVATION
37	7.87	NULL	7 / 16	GSEA C2EGUCHI_CELL_CYCLE_RB1_TARGETS
38	7.81	NULL	5 / 16	GSEA C2REACTOME_G2_M_CHECKPOINTS
39	7.79	NULL	2 / 16	GSEA C2KEGG_STEROID_BIOSYNTHESIS
40	7.76	NULL	8 / 15	GSEA C2KEGG_DNA_REPLICATION

p-values

