

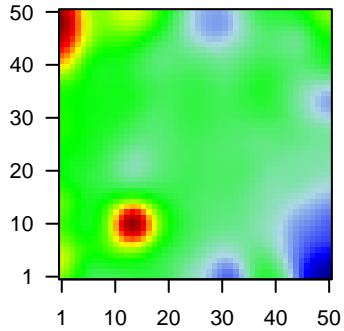
GW_299

Global Summary

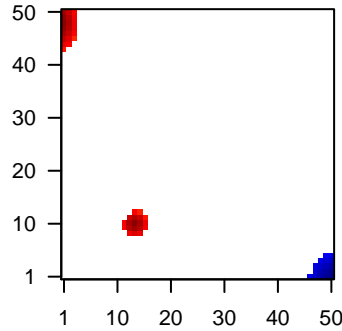
%DE = 0.15
 # genes with fdr < 0.2 = 1966 (1133 + / 833 -)
 # genes with fdr < 0.1 = 1609 (978 + / 631 -)
 # genes with fdr < 0.05 = 1185 (767 + / 418 -)
 # genes with fdr < 0.01 = 845 (604 + / 241 -)
 # genes in genesets = 16332

<FC> = 0
 <shrinkage-t> = 0
 <p-value> = 0.1
 <fdr> = 0.85

Profile



Regulated Spots



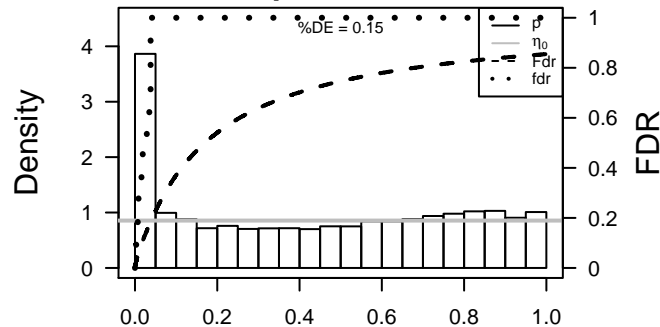
Global Genelist

Rank	ID	log(FC)	fdr	p-value	Description
1	144568	1.8	2e-16	2e-14	1 x 50 alpha-2-macroglobulin-like 1 [Source:HGNC Symbol;Acc:23
2	57016	1.45	2e-16	2e-14	1 x 50 aldo-keto reductase family 1, member B10 (aldose reductase
3	55107	1.93	2e-16	2e-14	1 x 5 anoctamin 1, calcium activated chloride channel [Source:HGNC
4	479	1.33	2e-16	2e-14	7 x 50 ATPase, H+/K+ transporting, nongastric, alpha polypeptide [S
5	387695	1.32	2e-16	2e-14	1 x 49 chromosome 10 open reading frame 99 [Source:HGNC Synt
6	389336	1.34	2e-16	2e-14	5 x 5 chromosome 5 open reading frame 46 [Source:HGNC Symbc
7	768	1.51	2e-16	2e-14	1 x 6 carbonic anhydrase IX [Source:HGNC Symbol;Acc:1383]
8	51806	1.79	2e-16	2e-14	4 x 50 calmodulin-like 5 [Source:HGNC Symbol;Acc:18180]
9	55450	1.69	2e-16	2e-14	1 x 4 calcium/calmodulin-dependent protein kinase II inhibitor 1 [S
10	8900	1.65	2e-16	2e-14	1 x 42 cyclin A1 [Source:HGNC Symbol;Acc:1577]
11	894	-1.29	2e-16	2e-14	50 x 4 cyclin D2 [Source:HGNC Symbol;Acc:1583]
12	169044	2.06	2e-16	2e-14	45 x 1 collagen, type XXII, alpha 1 [Source:HGNC Symbol;Acc:2298
13	1363	1.34	2e-16	2e-14	50 x 7 carboxypeptidase E [Source:HGNC Symbol;Acc:2303]
14	441520	2.56	2e-16	2e-14	14 x 11 cancer/testis antigen family 45, member A2 [Source:HGNC S
15	1515	1.66	2e-16	2e-14	1 x 44 cathepsin V [Source:HGNC Symbol;Acc:2538]
16	9547	1.84	2e-16	2e-14	1 x 46 chemokine (C-X-C motif) ligand 14 [Source:HGNC Symbol;f
17	1562	1.41	2e-16	2e-14	1 x 50 cytochrome P450, family 2, subfamily C, polypeptide 18 [Sou
18	126410	1.48	2e-16	2e-14	1 x 49 cytochrome P450, family 4, subfamily F, polypeptide 22 [Sour
19	92196	1.39	2e-16	2e-14	3 x 50 death associated protein-like 1 [Source:HGNC Symbol;Acc:2
20	55894	1.37	2e-16	2e-14	1 x 47 defensin, beta 103B [Source:HGNC Symbol;Acc:31702]

Global Geneset Analysis

Rank	GSZ	p-value	#all	Geneset
<i>Overexpressed</i>				
1	17.73	NULL	135	H.Tiss WIRTH_Mucosa
2	14.29	NULL	76	BP epidermis development
3	12.35	NULL	21	CC cornified envelope
4	11.5	NULL	42	BP keratinization
5	11.31	NULL	53	BP keratinocyte differentiation
6	10.31	NULL	572	Disease GUDJ_pсориаsis up
7	10.04	NULL	630	Chr Chr X
8	8.68	NULL	386	Chr Chr 22
9	7.71	NULL	15	GSEA C2HINATA_NFKB_TARGETS_KERATINOCYTE_DN
10	7.57	NULL	1146	TF HEBENSTREIT_low expression TF
11	7.23	NULL	4	MMML C6SCIEJ_MMML 23
12	7.14	NULL	16	GSEA C2WANG_BARRETTES_ESOPHAGUS_DN
13	7	NULL	10	BP cellular response to zinc ion
14	7	NULL	7	MMML C6SCIEJ_MMML 13
15	6.92	NULL	232	Chr Chr 18
16	6.78	NULL	15	BP negative regulation of growth
17	6.53	NULL	21	CC desmosome
18	6.27	NULL	19	BP peptide cross-linking
19	6.18	NULL	1182	CC extracellular region
20	6.16	NULL	16	GSEA C2HUPER_BREAST_BASAL_VS_LUMINAL_UP
<i>Underexpressed</i>				
1	-13.83	NULL	417	H.Tiss WIRTH_Immune system
2	-7.5	NULL	553	Cancer Lembecke_Colonc Inflammation
3	-7.43	NULL	312	BP immune response
4	-7.36	NULL	8	GSEA C2RUNNE_GENDER_EFFECT_UP
5	-7.26	NULL	316	Cancer SPANG_BCL6-index2
6	-7.14	NULL	7	MMML C6SCIEJ_MMML 5
7	-6.88	NULL	274	Lymphom SPANG_IL21 DN
8	-6.68	NULL	16	GSEA C2FARMER_BREAST_CANCER_CLUSTER_1
9	-6.41	NULL	123	BP defense response to virus
10	-6.33	NULL	649	BP gene expression
11	-6.26	NULL	1095	TF HEBENSTREIT_high expression TF
12	-6.12	NULL	957	Chr Chr 11
13	-6.09	NULL	16	GSEA C2MOSERLE_IFNA_RESPONSE
14	-6.05	NULL	633	Chr Chr 9
15	-6.03	NULL	280	Chr Chr 13
16	-5.97	NULL	16	GSEA C2RICKMAN_HEAD_AND_NECK_CANCER_D
17	-5.95	NULL	16	GSEA C2JROSEVIC_RESPONSE_TO_IMIQUIMOD
18	-5.86	NULL	51	BP type I interferon signaling pathway
19	-5.84	NULL	74	BP regulation of immune response
20	-5.82	NULL	852	Lymphom SPANG_BCR DN

p-values



GW_299

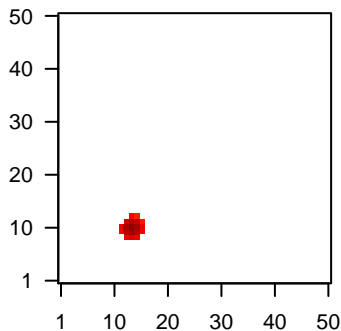
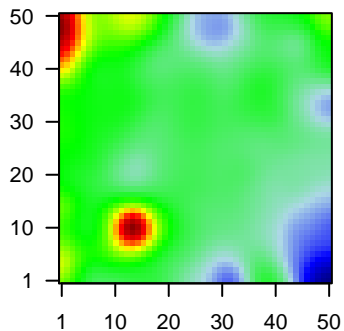
Local Summary

%DE = 0.89
 # metagenes = 19
 # genes = 90
 # genes in genesets = 66
 # genes with $fdr < 0.1 = 58$ (58 + / 0 -)
 # genes with $fdr < 0.05 = 58$ (58 + / 0 -)
 # genes with $fdr < 0.01 = 58$ (58 + / 0 -)

$\langle r \rangle$ metagenes = 0.97
 $\langle r \rangle$ genes = 0.31
 $\langle FC \rangle = 1.18$
 $\langle \text{shrinkage-t} \rangle = 41.19$
 $\langle p\text{-value} \rangle = 0$
 $\langle fdr \rangle = 0.34$

Profile

Spot



Local Genelist

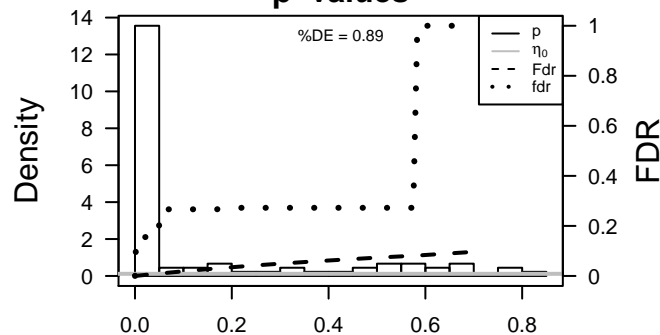
Rank	ID	log(FC)	fdr	p-value	Description
1	441520	2.56	2e-16	8e-17	14 x 11 cancer/testis antigen family 45, member A2 [Source:HGNC S
2	729428	4.1	2e-16	8e-17	14 x 11 G antigen 12C [Source:HGNC Symbol;Acc:28402]
3	729422	4.35	2e-16	8e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
4	100132399	2.07	2e-16	8e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
5	729431	1.78	2e-16	8e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
6	100008586	3.95	2e-16	8e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
7	645073	3.97	2e-16	8e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
8	729442	4.2	2e-16	8e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
9	26748	4.06	2e-16	8e-17	14 x 11 G antigen 12I [Source:HGNC Symbol;Acc:4105]
10	729396	3.22	2e-16	8e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
11	729447	3.37	2e-16	8e-17	14 x 11 G antigen 2A [Source:HGNC Symbol;Acc:4099]
12	645037	4.45	2e-16	8e-17	14 x 11 G antigen 2C [Source:HGNC Symbol;Acc:31958]
13	26749	3.45	2e-16	8e-17	14 x 11 G antigen 2E [Source:HGNC Symbol;Acc:31960]
14	2576	4.09	2e-16	8e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
15	2577	4.13	2e-16	8e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
16	2578	2.36	2e-16	8e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
17	2579	3.34	2e-16	8e-17	14 x 11 G antigen 12I [Source:HGNC Symbol;Acc:4105]
18	100101629	2.82	2e-16	8e-17	14 x 11 G antigen 2E [Source:HGNC Symbol;Acc:31960]
19	121355	1.58	2e-16	8e-17	14 x 11 gametocyte specific factor 1 [Source:HGNC Symbol;Acc:265
20	84944	1.34	2e-16	8e-17	15 x 11 maelstrom spermatogenic transposon silencer [Source:HGNC

Local Geneset Analysis

Overexpression

Rank	GSZ	p-value	#in/all	Geneset
1	16.7	NULL	30 / 630	Chr Chr X
2	15.25	NULL	1 / 12	GSEA C2RAY_TARGETS_OF_P210_BCR_ABL_FUSION_UP
3	12.36	NULL	1 / 11	GSEA C2SU_PLACENTA
4	10.6	NULL	1 / 14	GSEA C2NIELSEN_GIST
5	10.15	NULL	1 / 15	GSEA C2BROWNE_HCMV_INFECTION_8HR_DN
6	8.82	NULL	1 / 4	GSEA C2WEBER_METHYLATED_ICP_IN_SPERM_DN
7	8.57	NULL	1 / 6	GSEA C2NIELSEN_LEIOMYOSARCOMA_UP
8	7.97	NULL	2 / 8	GSEA C2WEBER_METHYLATED_ICP_IN_FIBROBLAST
9	7.29	NULL	9 / 120	H.Tiss WIRTH_Testis
10	7.1	NULL	1 / 10	GSEA C2NAKAMURA_TUMOR_ZONE_PERIPHERAL_VS_CENTRAL_DN
11	7.01	NULL	1 / 9	GSEA C2ABE_VEGFA_TARGETS_30MIN
12	6.66	NULL	1 / 11	GSEA C2NIKOLSKY_BREAST_CANCER_7Q21_Q22_AMPLICON
13	6.38	NULL	1 / 6	GSEA C2NIELSEN_GIST_VS_SYNOVIAL_SARCOMA_UP
14	6.29	NULL	1 / 12	GSEA C2HSIAO_LIVER_SPECIFIC_GENES
15	6.13	NULL	1 / 11	GSEA C2ABE_VEGFA_TARGETS_2HR
16	6.12	NULL	1 / 10	BP piRNA metabolic process
17	6.12	NULL	1 / 10	CC XY body
18	5.97	NULL	1 / 13	GSEA C2HOSHIDA_LIVER_CANCER_SURVIVAL_DN
19	5.74	NULL	1 / 11	BP regulation of organ growth
20	5.69	NULL	1 / 7	GSEA C2NIELSEN_SYNOVIAL_SARCOMA_UP
21	5.59	NULL	2 / 16	GSEA C2LANDEMAINE_LUNG_METASTASIS
22	5.52	NULL	2 / 22	BP male meiosis
23	5.44	NULL	1 / 15	GSEA C2WHITEFORD_PEDIATRIC_CANCER_MARKERS
24	5.44	NULL	1 / 15	GSEA C2AGUIRRE_PANCREATIC_CANCER_COPY_NUMBER_UP
25	5.44	NULL	1 / 15	GSEA C2SHEDDEN_LUNG_CANCER_GOOD_SURVIVAL_A4
26	5.44	NULL	1 / 15	GSEA C2HOSHIDA_LIVER_CANCER_SUBCLASS_S3
27	5.4	NULL	1 / 21	BP negative regulation of Notch signaling pathway
28	5.23	NULL	1 / 14	GSEA C2WALK_AML_WITH_11Q23_REARRANGED
29	5.22	NULL	1 / 16	GSEA C2RICKMAN_HEAD_AND_NECK_CANCER_A
30	5.22	NULL	1 / 16	GSEA C2JL_METASTASIS_REPRESSED_BY_STK11
31	5.14	NULL	1 / 13	BP synapsis
32	5	NULL	1 / 15	GSEA C2WALK_AML_CLUSTER_16
33	5	NULL	1 / 15	GSEA C2KEGG_PENTOSE_PHOSPHATE_PATHWAY
34	4.9	NULL	1 / 14	BP DNA methylation involved in gamete generation
35	4.88	NULL	1 / 10	BP paraxial mesoderm development
36	4.56	NULL	1 / 4	GSEA C2WEBER_METHYLATED_ICP_IN_SPERM_UP
37	4.52	NULL	1 / 10	BP leukocyte tethering or rolling
38	4.32	NULL	1 / 12	Glo Phillips PN up vs MES & Prolif
39	4.13	NULL	1 / 13	Cic mitochondrial respiratory chain
40	4.13	NULL	1 / 12	GSEA C2HO_LIVER_CANCER_VASCULAR_INVASION

p-values



GW_299

Local Summary

%DE = 0.81
 # metagenes = 21
 # genes = 300
 # genes in genesets = 292

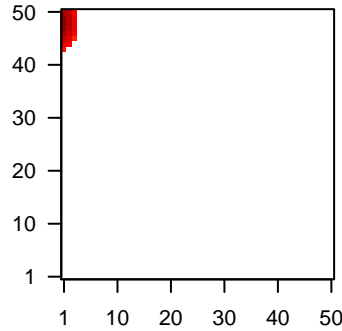
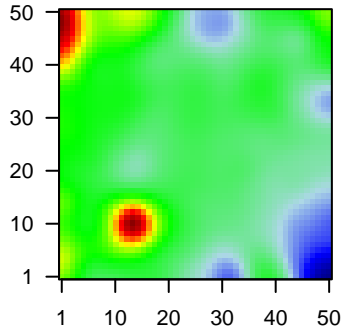
 # genes with $fdr < 0.1$ = 218 (206 + / 12 -)
 # genes with $fdr < 0.05$ = 213 (202 + / 11 -)
 # genes with $fdr < 0.01$ = 187 (179 + / 8 -)

 $\langle r \rangle$ metagenes = 0.91
 $\langle r \rangle$ genes = 0.38

 $\langle FC \rangle = 0.65$
 $\langle \text{shrinkage-t} \rangle = 23$
 $\langle p\text{-value} \rangle = 0$
 $\langle fdr \rangle = 0.29$

Profile

Spot



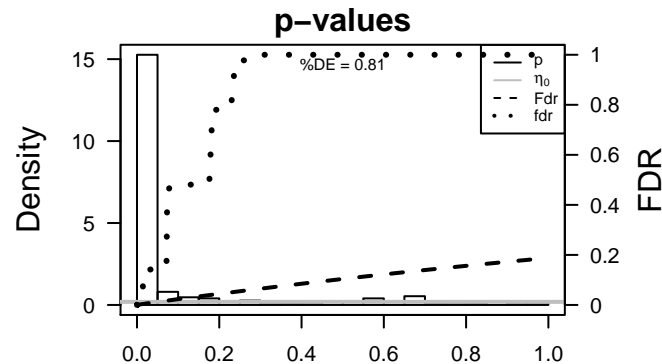
Local Genelist

Rank	ID	log(FC)	fdr	p-value	Description
1	144568	1.8	2e-16	3e-16	1 x 50 alpha-2-macroglobulin-like 1 [Source:HGNC Symbol;Acc:23
2	57016	1.45	2e-16	3e-16	1 x 50 aldo-keto reductase family 1, member B10 (aldose reductase
3	387695	1.32	2e-16	3e-16	1 x 49 chromosome 10 open reading frame 99 [Source:HGNC Synt
4	1515	1.66	2e-16	3e-16	1 x 44 cathepsin V [Source:HGNC Symbol;Acc:2538]
5	9547	1.84	2e-16	3e-16	1 x 46 chemokine (C-X-C motif) ligand 14 [Source:HGNC Symbol;f
6	1562	1.41	2e-16	3e-16	1 x 50 cytochrome P450, family 2, subfamily C, polypeptide 18 [Sou
7	126410	1.48	2e-16	3e-16	1 x 49 cytochrome P450, family 4, subfamily F, polypeptide 22 [Sour
8	92196	1.39	2e-16	3e-16	3 x 50 death associated protein-like 1 [Source:HGNC Symbol;Acc:2
9	55894	1.37	2e-16	3e-16	1 x 47 defensin, beta 103B [Source:HGNC Symbol;Acc:31702]
10	414325	1.72	2e-16	3e-16	1 x 48 defensin, beta 103B [Source:HGNC Symbol;Acc:31702]
11	1673	2.55	2e-16	3e-16	1 x 49 defensin, beta 4B [Source:HGNC Symbol;Acc:30193]
12	93099	1.84	2e-16	3e-16	1 x 47 dermokine [Source:HGNC Symbol;Acc:25063]
13	1828	1.46	2e-16	3e-16	1 x 48 desmoglein 1 [Source:HGNC Symbol;Acc:3048]
14	2167	3.08	2e-16	3e-16	1 x 44 fatty acid binding protein 4, adipocyte [Source:HGNC Symbol
15	10804	1.32	2e-16	3e-16	1 x 47 gap junction protein, beta 6, 30kDa [Source:HGNC Symbol;A
16	2877	1.41	2e-16	3e-16	1 x 50 glutathione peroxidase 2 (gastrointestinal) [Source:HGNC Sy
17	3099	1.29	2e-16	3e-16	1 x 44 hexokinase 2 [Source:HGNC Symbol;Acc:4923]
18	3489	-1.3	2e-16	3e-16	1 x 44 insulin-like growth factor binding protein 6 [Source:HGNC Sy
19	26085	1.78	2e-16	3e-16	1 x 50 kallikrein-related peptidase 13 [Source:HGNC Symbol;Acc:6:
20	5653	2.04	2e-16	3e-16	1 x 50 kallikrein-related peptidase 6 [Source:HGNC Symbol;Acc:63:

Local Geneset Analysis

Overexpression

Rank	GSZ	p-value	#in/all	Geneset
1	38.03	NULL	88 / 135	H.Tiss WIRTH_Mucosa
2	32.54	NULL	18 / 21	CC cornified envelope
3	27.27	NULL	27 / 76	BP epidermis development
4	26.94	NULL	24 / 53	BP keratinocyte differentiation
5	26.9	NULL	20 / 42	BP keratinization
6	26.54	NULL	111 / 572	Disease GUDJ_psooriasis up
7	19.91	NULL	7 / 15	GSEA C2HINATA_NFKB_TARGETS_KERATINOCYTE_DN
8	16.76	NULL	12 / 21	CC desmosome
9	16.65	NULL	6 / 16	GSEA C2WANG_BARRETTS_ESOPHAGUS_DN
10	15.75	NULL	3 / 15	GSEA C2PYEON_CANCER_HEAD_AND_NECK_VS_CERVICAL_DN
11	15.01	NULL	10 / 19	BP peptide cross-linking
12	14.3	NULL	8 / 16	GSEA C2ONDER_CDH1_TARGETS_3_DN
13	13.61	NULL	8 / 15	GSEA C2WANG_BARRETTS_ESOPHAGUS_AND_ESOPHAGUS_CANCE
14	13.2	NULL	3 / 10	GSEA C2AJULA_IL22_AND_IL17A_SIGNALING
15	12.77	NULL	9 / 16	GSEA C2HUPER_BREAST_BASAL_VS_LUMINAL_UP
16	11.37	NULL	3 / 6	GSEA C2SMID_BREAST_CANCER_RELAPSE_IN_PLEURA_UP
17	11.08	NULL	6 / 15	GSEA C2RICKMAN_TUMOR_DIFFERENTIATED_WELL_VS_MODERATEL
18	10.57	NULL	4 / 16	GSEA C2SMID_BREAST_CANCER_RELAPSE_IN_LUNG_UP
19	9.91	NULL	3 / 8	GSEA C2LIU_CDX2_TARGETS_DN
20	9.86	NULL	6 / 13	BP negative regulation of peptidase activity
21	9.73	NULL	4 / 10	GSEA C2REACTOME_APOPTOTIC_CLEAVAGE_OF_CELL_ADHESION_P
22	9.6	NULL	6 / 16	GSEA C2CROMER_TUMORIGENESIS_DN
23	9.55	NULL	2 / 12	MF fatty acid binding
24	9.48	NULL	3 / 11	GSEA C2MURAKAMI_UV_RESPONSE_24HR
25	9.46	NULL	30 / 186	MF structural molecule activity
26	9.41	NULL	67 / 1182	CC extracellular region
27	9.08	NULL	5 / 10	MF RAGE receptor binding
28	9.04	NULL	3 / 16	GSEA C2AMIT_SERUM_RESPONSE_480_MCF10A
29	8.84	NULL	3 / 12	BP cellular aldehyde metabolic process
30	8.52	NULL	4 / 16	GSEA C2HAHTOLA_MYCOSIS_FUNGOIDES_SKIN_DN
31	8.42	NULL	1 / 10	BP white fat cell differentiation
32	8.4	NULL	8 / 73	BP defense response to bacterium
33	8.34	NULL	4 / 15	GSEA C2CHANG_IMMORTALIZED_BY_HPV31_DN
34	8.25	NULL	21 / 82	CC intermediate filament
35	8.23	NULL	5 / 23	MF peptidase inhibitor activity
36	8.22	NULL	4 / 21	CC gap junction
37	8.2	NULL	6 / 15	GSEA C2AIGNER_ZEB1_TARGETS
38	8.17	NULL	14 / 79	MF serine-type endopeptidase inhibitor activity
39	8.09	NULL	3 / 12	GSEA C2REACTOME_GAP_JUNCTION_ASSEMBLY
40	7.98	NULL	6 / 16	GSEA C2SENGUPTA_NASOPHARYNGEAL_CARCINOMA_DN



GW_299

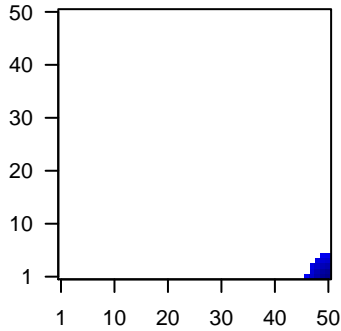
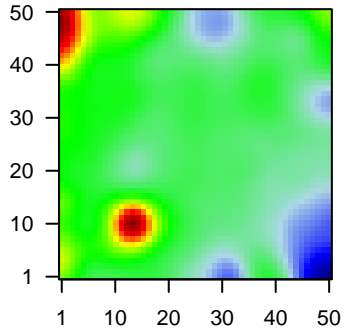
Local Summary

%DE = 0.92
 # metagenes = 18
 # genes = 295
 # genes in genesets = 293
 # genes with $fdr < 0.1$ = 244 (4 + / 240 -)
 # genes with $fdr < 0.05$ = 238 (4 + / 234 -)
 # genes with $fdr < 0.01$ = 201 (4 + / 197 -)

$\langle r \rangle$ metagenes = 0.98
 $\langle r \rangle$ genes = 0.56
 $\langle FC \rangle$ = -0.47
 $\langle \text{shrinkage-t} \rangle$ = -16.32
 $\langle p\text{-value} \rangle$ = 0
 $\langle fdr \rangle$ = 0.32

Profile

Spot



Local Genelist

Rank	ID	log(FC)	fdr	p-value	Description
1	894	-1.29	2e-16	2e-15	50 x 4 cyclin D2 [Source:HGNC Symbol;Acc:1583]
2	115361	-1.37	2e-16	2e-15	48 x 1 guanylate binding protein 4 [Source:HGNC Symbol;Acc:2048]
3	5920	-1.29	2e-16	2e-15	48 x 1 retinoic acid receptor responder (tazarotene induced) 3 [Source:HGNC Symbol;Acc:1583]
4	3512	-1.26	9e-16	1e-14	50 x 1 immunoglobulin J polypeptide, linker protein for immunoglobulin J polypeptide, linker protein for immunoglobulin J polypeptide
5	10550	-1.26	1e-15	9e-12	50 x 3 ADP-ribosylation-like factor 6 interacting protein 5 [Source:HGNC Symbol;Acc:1583]
6	6451	-1.14	4e-13	5e-11	50 x 5 SH3 domain binding glutamic acid-rich protein like [Source:HGNC Symbol;Acc:1583]
7	6363	-1.1	3e-12	4e-09	50 x 1 chemokine (C-C motif) ligand 19 [Source:HGNC Symbol;Acc:1583]
8	10537	-0.99	3e-10	4e-09	50 x 1 ubiquitin D [Source:HGNC Symbol;Acc:18795]
9	3620	-0.99	3e-10	4e-09	48 x 1 indoleamine 2,3-dioxygenase 1 [Source:HGNC Symbol;Acc:1583]
10	260436	-0.98	5e-10	4e-09	50 x 1 follicular dendritic cell secreted protein [Source:HGNC Symbol;Acc:1583]
11	7494	-0.97	7e-10	1e-07	49 x 5 X-box binding protein 1 [Source:HGNC Symbol;Acc:12801]
12	3108	-0.91	8e-09	1e-07	50 x 1 major histocompatibility complex, class II, DM alpha [Source:HGNC Symbol;Acc:1583]
13	3126	-0.9	1e-08	1e-07	50 x 1 major histocompatibility complex, class II, DR beta 4 [Source:HGNC Symbol;Acc:1583]
14	5880	-0.89	2e-08	2e-07	50 x 1 ras-related C3 botulinum toxin substrate 2 (rho family, small GTP-binding protein RhoG) [Source:HGNC Symbol;Acc:1583]
15	3689	-0.87	3e-08	2e-07	50 x 1 integrin, beta 2 (complement component 3 receptor 3 and 4 subunit beta 2) [Source:HGNC Symbol;Acc:1583]
16	57172	-0.87	4e-08	3e-07	49 x 1 calcium/calmodulin-dependent protein kinase I gamma [Source:HGNC Symbol;Acc:1583]
17	972	-0.86	5e-08	4e-07	50 x 1 CD74 molecule, major histocompatibility complex, class II invariant chain [Source:HGNC Symbol;Acc:1583]
18	6352	-0.85	7e-08	4e-07	48 x 1 chemokine (C-C motif) ligand 5 [Source:HGNC Symbol;Acc:1583]
19	54855	-0.84	9e-08	4e-07	49 x 1 family with sequence similarity 46, member C [Source:HGNC Symbol;Acc:1583]
20	25849	-0.84	1e-07	5e-07	50 x 2 prostate androgen-regulated mucin-like protein 1 [Source:HGNC Symbol;Acc:1583]

Local Geneset Analysis

Underexpression

Rank	GSZ	p-value	#in/all	Geneset
1	-27.91	NULL	12 / 15	CC MHC class II protein complex
2	-27.14	NULL	91 / 417	H.Tiss WIRTH_Immune system
3	-23.41	NULL	96 / 553	Cancer Lembcke_Colonc Inflammation
4	-21.81	NULL	54 / 312	BP immune response
5	-18.41	NULL	3 / 6	GSEA C2SANA_RESPONSE_TO_IFNG_UP
6	-17.48	NULL	2 / 4	MMML C2SCIEJ_MMML 2
7	-17.18	NULL	3 / 5	GSEA C2WONG_ENDOMETRIAL_CANCER_LATE
8	-16.92	NULL	9 / 16	GSEA C2FARMER_BREAST_CANCER_CLUSTER_1
9	-16.46	NULL	15 / 47	BP antigen processing and presentation
10	-16.42	NULL	6 / 8	Glio Donson-migration tethering and rolling-associated with LTS in HGA
11	-16.17	NULL	44 / 265	Glio willscher_GBM_Verhaak-CL_expression_B_up
12	-16.17	NULL	44 / 265	Glio willscher_GBM_Verhaak-MES_expression_B_up
13	-16.17	NULL	44 / 265	Glio willscher_GBM_Verhaak-PNwt_expression_B_down
14	-16.17	NULL	44 / 265	Glio willscher_GBM_Verhaak-PNmut_expression_B_down
15	-16.07	NULL	2 / 3	GSEA C2KEGG_VIRAL_MYOCARDITIS
16	-15.97	NULL	4 / 8	GSEA C2GRAHAM_CML_QUIESCENT_VS_NORMAL_DIVIDING_DN
17	-15.37	NULL	5 / 12	BP dendritic cell chemotaxis
18	-14.96	NULL	6 / 15	Glio Donson-chemokines/cytokines-associated with LTS in HGA
19	-14.74	NULL	4 / 9	GSEA C2MILICIC_FAMILIAL_ADENOMATOUS_POLYPOSIS_DN
20	-14.69	NULL	5 / 14	GSEA C2WU_SILENCED_BY_METHYLATION_IN_BLADDER_CANCER
21	-14.69	NULL	5 / 12	BP immunoglobulin mediated immune response
22	-14.63	NULL	6 / 11	GSEA C2BIOCARTA_TCYTOTOXIC_PATHWAY
23	-14.34	NULL	15 / 60	BP T cell costimulation
24	-14.12	NULL	7 / 15	GSEA C2FINAK_BREAST_CANCER_SDPP_SIGNATURE
25	-14.1	NULL	4 / 8	GSEA C2NIELSEN_SYNOVIAL_SARCOMA_DN
26	-14.07	NULL	3 / 7	GSEA C2GRAHAM_CML_DIVIDING_VS_NORMAL_DIVIDING_DN
27	-13.94	NULL	17 / 74	BP regulation of immune response
28	-13.59	NULL	2 / 4	GSEA C2KEGG_LEISHMANIA_INFECTION
29	-13.52	NULL	5 / 10	GSEA C2FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_REJECTED_VS_ACCEPTED
30	-13.49	NULL	5 / 17	BP positive regulation of neutrophil chemotaxis
31	-13.07	NULL	5 / 11	GSEA C2BIOCARTA_THELPER_PATHWAY
32	-13.03	NULL	4 / 7	Glio Donson-cytotoxic effectors-associated with LTS in HGA
33	-12.99	NULL	3 / 8	GSEA C2JINDSTEDT_DENDRITIC_CELL_MATURATION_D
34	-12.78	NULL	5 / 12	GSEA C2BIOCARTA_CTL_PATHWAY
35	-12.68	NULL	7 / 21	CC clathrin-coated endocytic vesicle membrane
36	-12.62	NULL	4 / 8	LymphomaMASCQUE_ABC UP
37	-12.26	NULL	5 / 10	GSEA C2LEE_DIFFERENTIATING_T_LYMPHOCYTE
38	-12.04	NULL	7 / 23	CC integral to luminal side of endoplasmic reticulum membrane
39	-12.04	NULL	2 / 4	GSEA C2REACTOME_CLASSICAL_ANTIBODY_MEDIATED_COMPLEXES
40	-11.44	NULL	3 / 10	GSEA C2HOSHIDA_LIVER_CANCER_SUBCLASS_S1

