

GW_144

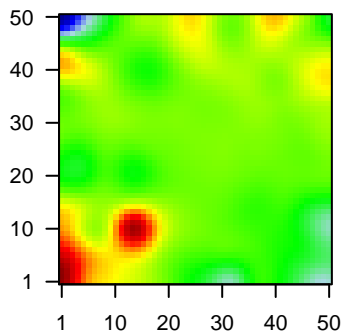
Global Summary

%DE = 0.15
 # genes with $fdr < 0.2$ = 1928 (1028 + / 900 -)
 # genes with $fdr < 0.1$ = 1543 (842 + / 701 -)
 # genes with $fdr < 0.05$ = 1364 (740 + / 624 -)
 # genes with $fdr < 0.01$ = 913 (515 + / 398 -)

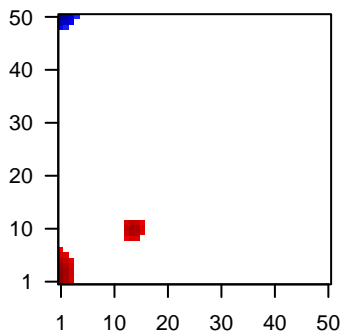
 # genes in genesets = 16332

<FC> = 0
 <shrinkage-t> = 0
 <p-value> = 0.09
 <fdr> = 0.85

Profile



Regulated Spots



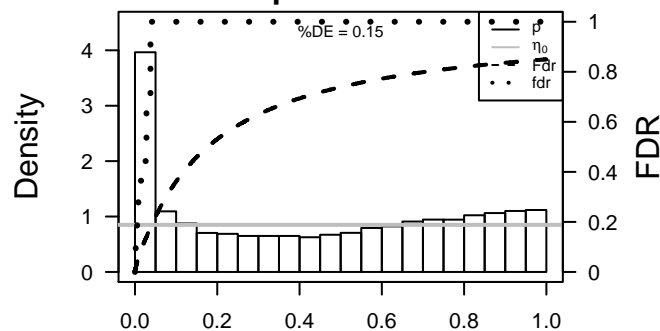
Global Genelist

Rank	ID	log(FC)	fdr	p-value	Description
1	131	-1.55	2e-16	2e-14	1 x 50 alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide
2	57016	-1.94	2e-16	2e-14	1 x 50 aldo--keto reductase family 1, member B10 (aldose reductase
3	216	-1.76	2e-16	2e-14	50 x 50 aldehyde dehydrogenase 1 family, member A1 [Source:HGNC
4	306	1.6	2e-16	2e-14	4 x 42 annexin A3 [Source:HGNC Symbol;Acc:541]
5	366	1.49	2e-16	2e-14	1 x 1 aquaporin 9 [Source:HGNC Symbol;Acc:643]
6	684	-2.06	2e-16	2e-14	32 x 1 bone marrow stromal cell antigen 2 [Source:HGNC Symbol;A
7	387695	-2.44	2e-16	2e-14	1 x 49 chromosome 10 open reading frame 99 [Source:HGNC Symt
8	375791	-1.71	2e-16	2e-14	1 x 50 chromosome 9 open reading frame 169 [Source:HGNC Symt
9	768	1.86	2e-16	2e-14	1 x 6 carbonic anhydrase IX [Source:HGNC Symbol;Acc:1383]
10	810	-2.27	2e-16	2e-14	1 x 50 calmodulin-like 3 [Source:HGNC Symbol;Acc:1452]
11	6347	1.56	2e-16	2e-14	50 x 4 chemokine (C-C motif) ligand 2 [Source:HGNC Symbol;Acc:1
12	1048	-1.65	2e-16	2e-14	2 x 50 carcinoembryonic antigen-related cell adhesion molecule 5 [
13	4680	-3.24	2e-16	2e-14	1 x 50 carcinoembryonic antigen-related cell adhesion molecule 6 (i
14	84518	-2.27	2e-16	2e-14	1 x 50 cornifelin [Source:HGNC Symbol;Acc:30183]
15	49860	-2.33	2e-16	2e-14	1 x 50 cornulin [Source:HGNC Symbol;Acc:1230]
16	9547	-1.66	2e-16	2e-14	1 x 46 chemokine (C-X-C motif) ligand 14 [Source:HGNC Symbol;f
17	57007	1.66	2e-16	2e-14	14 x 50 atypical chemokine receptor 3 [Source:HGNC Symbol;Acc:23
18	1545	1.64	2e-16	2e-14	50 x 4 cytochrome P450, family 1, subfamily B, polypeptide 1 [Sourc
19	1672	-1.83	2e-16	2e-14	1 x 50 defensin, beta 1 [Source:HGNC Symbol;Acc:2766]
20	1717	1.62	2e-16	2e-14	13 x 50 7-dehydrocholesterol reductase [Source:HGNC Symbol;Acc:

Global Geneset Analysis

Rank	GSZ	p-value	#all	Geneset
<i>Overexpressed</i>				
1	10.23	NULL	15	GSEA C2CROMER_TUMORIGENESIS_UP
2	9.36	NULL	242	BP extracellular matrix organization
3	7.9	NULL	449	Chr Chr 20
4	7.52	NULL	280	Chr Chr 13
5	6.66	NULL	35	Glio Colman_survival_associated
6	6.65	NULL	83	CC basement membrane
7	6.36	NULL	6	GSEA C2SEIKE_LUNG_CANCER_POOR_SURVIVAL
8	6.34	NULL	64	BP collagen catabolic process
9	6.22	NULL	69	BP extracellular matrix disassembly
10	6.16	NULL	11	Glio Phillips MES up vs Prolif & PN
11	5.94	NULL	9	GSEA C2ZERBINI_RESPONSE_TO_SULINDAC_UP
12	5.91	NULL	205	miRNA 3619C-101
13	5.8	NULL	10	BP cellular response to zinc ion
14	5.76	NULL	10	GSEA C2NIELSEN_MALIGNANT_FIBROUS_HISTIOCYTOMA_UP
15	5.71	NULL	467	miRNA 3067T-30A-5P--30C--30D--30B--30E-5P
16	5.66	NULL	79	BP cellular response to hypoxia
17	5.61	NULL	19	MF L-ascorbic acid binding
18	5.59	NULL	12	BP hemidesmosome assembly
19	5.45	NULL	8	GSEA C2SASAKI_TARGETS_OF_TP73_AND_TP63
20	5.38	NULL	630	Chr Chr X
<i>Underexpressed</i>				
1	-23.98	NULL	135	H.Tiss WIRTH_Mucosa
2	-19.39	NULL	21	CC cornified envelope
3	-17.05	NULL	42	BP keratinization
4	-14.36	NULL	572	Disease GUDJ_psooriasis up
5	-13.23	NULL	53	BP keratinocyte differentiation
6	-12.09	NULL	13	GSEA C2BOWIE_RESPONSE_TO_TAMOXIFEN
7	-11.55	NULL	8	GSEA C2LIU_CDX2_TARGETS_DN
8	-11.25	NULL	19	BP peptide cross-linking
9	-10.65	NULL	76	BP epidermis development
10	-10.09	NULL	10	GSEA C2BOWIE_RESPONSE_TO_EXTRACELLULAR_MATRIX
11	-9.66	NULL	51	BP type I interferon signaling pathway
12	-8.75	NULL	16	GSEA C2MOSERLE_IFNA_RESPONSE
13	-8.72	NULL	186	MF structural molecule activity
14	-8.62	NULL	31	BP negative regulation of viral genome replication
15	-8.44	NULL	16	GSEA C2CROMER_TUMORIGENESIS_DN
16	-8.4	NULL	866	Chr Chr 12
17	-8.14	NULL	10	GSEA C2GRANDVAUX_IFN_RESPONSE_NOT_VIA_IRF3
18	-8.14	NULL	15	GSEA C2CHANG_IMMORTALIZED_BY_HPV31_DN
19	-8.04	NULL	957	Chr Chr 11
20	-7.86	NULL	16	GSEA C2ENAV_INTERFERON_SIGNATURE_IN_CANCER

p-values



GW_144

Local Summary

%DE = 0.84
 # metagenes = 18
 # genes = 296
 # genes in genesets = 294

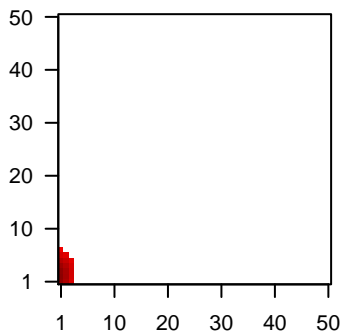
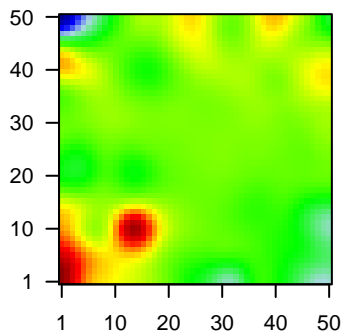
genes with $fdr < 0.1 = 203$ (189 + / 14 -)
 # genes with $fdr < 0.05 = 203$ (189 + / 14 -)
 # genes with $fdr < 0.01 = 173$ (162 + / 11 -)

$\langle r \rangle$ metagenes = 0.95
 $\langle r \rangle$ genes = 0.34

$\langle FC \rangle = 0.64$
 $\langle \text{shrinkage-t} \rangle = 22.38$
 $\langle p\text{-value} \rangle = 0$
 $\langle fdr \rangle = 0.33$

Profile

Spot



Local Genelist

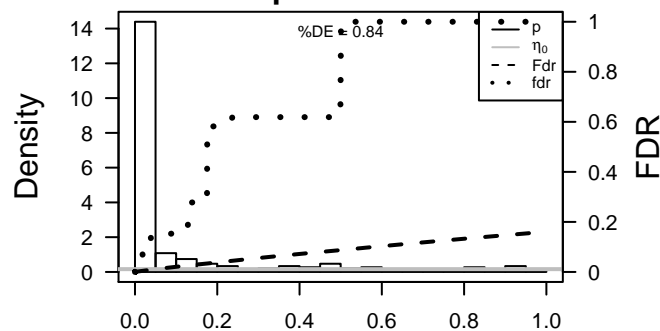
Rank	ID	log(FC)	fdr	p-value	Description
1	366	1.49	2e-16	4e-16	1 x 1 aquaporin 9 [Source:HGNC Symbol;Acc:643]
2	768	1.86	2e-16	4e-16	1 x 6 carbonic anhydrase IX [Source:HGNC Symbol;Acc:1383]
3	54206	1.51	2e-16	4e-16	1 x 4 ERBB receptor feedback inhibitor 1 [Source:HGNC Symbol;A
4	2201	1.66	2e-16	4e-16	1 x 5 fibrillin 2 [Source:HGNC Symbol;Acc:3604]
5	3553	1.96	2e-16	4e-16	1 x 1 interleukin 1, beta [Source:HGNC Symbol;Acc:5992]
6	11009	2.11	2e-16	4e-16	1 x 3 interleukin 24 [Source:HGNC Symbol;Acc:11346]
7	3569	1.55	2e-16	4e-16	1 x 1 interleukin 6 (interferon, beta 2) [Source:HGNC Symbol;Acc:f
8	3576	2.59	2e-16	4e-16	1 x 1 interleukin 8 [Source:HGNC Symbol;Acc:6025]
9	3625	1.52	2e-16	4e-16	2 x 5 inhibin, beta B [Source:HGNC Symbol;Acc:6067]
10	3909	1.55	2e-16	4e-16	1 x 5 laminin, alpha 3 [Source:HGNC Symbol;Acc:6483]
11	3918	1.55	2e-16	4e-16	1 x 4 laminin, gamma 2 [Source:HGNC Symbol;Acc:6493]
12	4312	1.63	2e-16	4e-16	1 x 1 matrix metalloproteinase 1 (interstitial collagenase) [Source:H
13	4314	2.08	2e-16	4e-16	1 x 1 matrix metalloproteinase 3 (stromelysin 1, progelatinase) [Sou
14	4316	1.55	2e-16	4e-16	2 x 1 matrix metalloproteinase 7 (matrilysin, uterine) [Source:HGNC
15	4489	1.56	2e-16	4e-16	1 x 4 metallothionein 1A [Source:HGNC Symbol;Acc:7393]
16	4502	1.78	2e-16	4e-16	1 x 3 metallothionein 2A [Source:HGNC Symbol;Acc:7406]
17	4651	1.56	2e-16	4e-16	1 x 6 myosin X [Source:HGNC Symbol;Acc:7593]
18	8985	1.9	2e-16	4e-16	1 x 2 procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3 [Source
19	56937	1.84	2e-16	4e-16	1 x 1 prostate transmembrane protein, androgen induced 1 [Source
20	5054	1.94	2e-16	4e-16	1 x 2 serpin peptidase inhibitor, clade E (nexin, plasminogen activa

Local Geneset Analysis

Overexpression

Rank	GSZ	p-value	#in/all	Geneset
1	29.75	NULL	11 / 15	GSEA C2CROMER_TUMORIGENESIS_UP
2	22.87	NULL	60 / 242	BP extracellular matrix organization
3	21.77	NULL	4 / 9	GSEA C2ZERBINI_RESPONSE_TO_SULINDAC_UP
4	17.92	NULL	6 / 15	GSEA C2LEE_LIVER_CANCER_HEPATOBLAST
5	17.46	NULL	2 / 6	GSEA C2SEIKE_LUNG_CANCER_POOR_SURVIVAL
6	17.17	NULL	4 / 10	GSEA C2YENGAR_RESPONSE_TO_ADIPOCYTE_FACTORS
7	16.41	NULL	9 / 15	GSEA C2ONDER_CDH1_SIGNALING_VIA_CTNNB1
8	16.15	NULL	100 / 1182	CC extracellular region
9	16.09	NULL	14 / 16	MMML C2CIEJ_MMML_1
10	16.01	NULL	12 / 35	Glio Colman_survival_associated
11	15.77	NULL	47 / 190	CC extracellular matrix
12	15.76	NULL	71 / 683	CC extracellular space
13	15.58	NULL	6 / 13	GSEA C2FRIDMAN_SENESCENCE_UP
14	15.43	NULL	4 / 7	GSEA C2WANG_ESOPHAGUS_CANCER_PROGRESSION_UP
15	15.35	NULL	2 / 6	Glio Martinez_Glio_hypometh
16	14.86	NULL	1 / 3	GSEA C2REN_MIF_TARGETS_DN
17	14.62	NULL	7 / 16	GSEA C2BEGUM_TARGETS_OF_PAX3_FOXO1_FUSION_DN
18	14.57	NULL	24 / 64	BP collagen catabolic process
19	14.48	NULL	3 / 11	GSEA C2BIOCARTA_STEM_PATHWAY
20	14.3	NULL	25 / 69	BP extracellular matrix disassembly
21	14.28	NULL	8 / 13	GSEA C2MAHADEVAN_GIST_MORPHOLOGICAL_SWITCH
22	14.24	NULL	6 / 10	GSEA C2ERRECCHIA_RESPONSE_TO_TGFB1_C4
23	13.99	NULL	4 / 10	GSEA C2JEON_SMAD6_TARGETS_UP
24	13.38	NULL	2 / 6	GSEA C2BIOCARTA_IL5_PATHWAY
25	13.38	NULL	6 / 19	MF L-ascorbic acid binding
26	13.33	NULL	4 / 8	GSEA C2SASAKI_TARGETS_OF_TP73_AND_TP63
27	13.3	NULL	7 / 15	GSEA C2ONDER_CDH1_TARGETS_2_UP
28	13.22	NULL	7 / 16	GSEA C2AMIT_EGF_RESPONSE_60_HEL4
29	12.9	NULL	5 / 12	BP hemidesmosome assembly
30	12.9	NULL	3 / 5	GSEA C2VERNELL_RETINOBLASTOMA_PATHWAY_DN
31	12.81	NULL	59 / 250	LymphomaL1ENZ_Stromal signature 1
32	12.61	NULL	4 / 14	GSEA C2WANG_ESOPHAGUS_CANCER_VS_NORMAL_UP
33	12.42	NULL	20 / 83	CC basement membrane
34	12.34	NULL	32 / 183	CC proteinaceous extracellular matrix
35	12.32	NULL	57 / 553	Cancer Lembcke_Colonc Inflammation
36	12.15	NULL	4 / 11	GSEA C2TO_PTTG1_TARGETS_UP
37	12.12	NULL	8 / 36	BP embryo implantation
38	12.05	NULL	3 / 10	GSEA C2NIELSEN_MALIGNANT_FIBROUS_HISTIOCYTOMA_UP
39	11.92	NULL	5 / 11	Glio Phillips MES up vs Prolif & PN
40	11.84	NULL	20 / 204	BP angiogenesis

p-values



GW_144

Local Summary

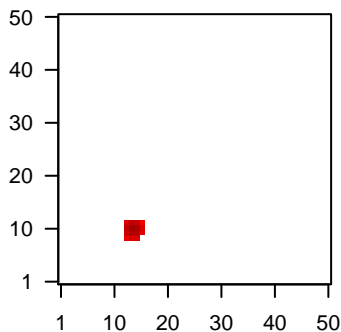
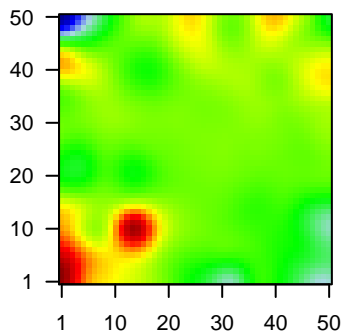
%DE = 0.94
 # metagenes = 15
 # genes = 84
 # genes in genesets = 60
 # genes with $fdr < 0.1 = 73$ (70 + / 3 -)
 # genes with $fdr < 0.05 = 61$ (60 + / 1 -)
 # genes with $fdr < 0.01 = 54$ (54 + / 0 -)

$\langle r \rangle$ metagenes = 0.98
 $\langle r \rangle$ genes = 0.33

$\langle FC \rangle = 1.24$
 $\langle \text{shrinkage-t} \rangle = 43.26$
 $\langle p\text{-value} \rangle = 0$
 $\langle fdr \rangle = 0.29$

Profile

Spot



Local Genelist

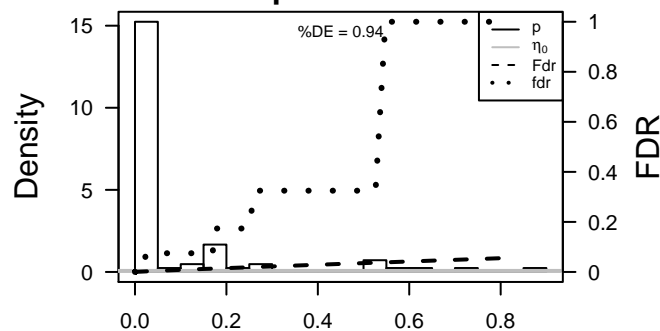
Rank	ID	log(FC)	fdr	p-value	Description
1	729428	3.54	2e-16	5e-17	14 x 11 G antigen 12C [Source:HGNC Symbol;Acc:28402]
2	729422	3.76	2e-16	5e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
3	100132399	1.61	2e-16	5e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
4	100008586	2.93	2e-16	5e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
5	645073	3.51	2e-16	5e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
6	729442	3.59	2e-16	5e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
7	26748	3.84	2e-16	5e-17	14 x 11 G antigen 12I [Source:HGNC Symbol;Acc:4105]
8	729396	2.95	2e-16	5e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
9	729447	3.06	2e-16	5e-17	14 x 11 G antigen 2A [Source:HGNC Symbol;Acc:4099]
10	645037	3.81	2e-16	5e-17	14 x 11 G antigen 2C [Source:HGNC Symbol;Acc:31958]
11	26749	3.09	2e-16	5e-17	14 x 11 G antigen 2E [Source:HGNC Symbol;Acc:31960]
12	2576	3.64	2e-16	5e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
13	2577	3.8	2e-16	5e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
14	2578	2.02	2e-16	5e-17	14 x 11 G antigen 12J [Source:HGNC Symbol;Acc:17778]
15	2579	3.43	2e-16	5e-17	14 x 11 G antigen 12I [Source:HGNC Symbol;Acc:4105]
16	100101629	2.28	2e-16	5e-17	14 x 11 G antigen 2E [Source:HGNC Symbol;Acc:31960]
17	121355	2.51	2e-16	5e-17	14 x 11 gametocyte specific factor 1 [Source:HGNC Symbol;Acc:2656]
18	728403	1.62	2e-16	5e-17	16 x 11 testis specific protein, Y-linked 8 [Source:HGNC Symbol;Acc:2656]
19	4109	1.82	2e-16	5e-17	14 x 11 melanoma antigen family A, 10 [Source:HGNC Symbol;Acc:6]
20	4103	1.9	2e-16	5e-17	14 x 10 melanoma antigen family A, 4 [Source:HGNC Symbol;Acc:68]

Local Geneset Analysis

Overexpression

Rank	GSZ	p-value	#in/all	Geneset
1	18.83	NULL	30 / 630	Chr Chr X
2	15.78	NULL	1 / 12	GSEA C2RAY_TARGETS_OF_P210_BCR_ABL_FUSION_UP
3	12.32	NULL	3 / 14	GSEA C2MAHADEVAN_IMATINIB_RESISTANCE_UP
4	10.78	NULL	1 / 10	GSEA C2CONRAD_GERMLINE_STEM_CELL
5	10.64	NULL	1 / 6	GSEA C2NIELSEN_LEIOMYOSARCOMA_UP
6	9.68	NULL	9 / 120	H.Tiss WIRTH_Testis
7	9.56	NULL	1 / 12	GSEA C2ACEVEDO_LIVER_CANCER_WITH_H3K27ME3_DN
8	8.83	NULL	2 / 34	Chr Chr Y
9	8.28	NULL	1 / 11	GSEA C2SU_PLACENTA
10	7.38	NULL	1 / 14	GSEA C2RICKMAN_HEAD_AND_NECK_CANCER_B
11	7.11	NULL	2 / 23	BP calcium-dependent cell-cell adhesion
12	7.08	NULL	1 / 14	GSEA C2NIELSEN_GIST
13	6.96	NULL	3 / 15	GSEA C2MATTIOLI_MULTIPLE_MYELOMA_SUBGROUPS
14	6.77	NULL	1 / 15	GSEA C2BROWNE_HCMV_INFECTION_8HR_DN
15	6.18	NULL	1 / 4	GSEA C2WEBER_METHYLATED_ICP_IN_SPERM_DN
16	5.98	NULL	1 / 11	Glio willscher_GBM_Verhaak-CL_expression_M_down
17	5.98	NULL	1 / 11	Glio willscher_GBM_Verhaak-MES_expression_M_down
18	5.98	NULL	1 / 11	Glio willscher_GBM_Verhaak-PNmut_expression_M_up
19	5.92	NULL	9 / 549	MF molecular_function
20	5.9	NULL	1 / 5	GSEA C2CHOI_ATL_ACUTE_STAGE
21	5.83	NULL	1 / 12	GSEA C2HO_LIVER_CANCER_VASCULAR_INVASION
22	5.78	NULL	8 / 481	BP biological_process
23	5.63	NULL	6 / 419	CC cellular_component
24	5.35	NULL	1 / 8	GSEA C2REACTOME_G_ALPHA_I_SIGNALLING_EVENTS
25	5.31	NULL	2 / 37	BP synapse assembly
26	5.05	NULL	2 / 86	BP nucleosome assembly
27	4.92	NULL	1 / 9	GSEA C2REACTOME_G_ALPHA_Q_SIGNALLING_EVENTS
28	4.78	NULL	1 / 10	GSEA C2XU_RESPONSE_TO_TRETINOIN_DN
29	4.57	NULL	1 / 10	GSEA C2BIOCARTA_BARRESTIN_PATHWAY
30	4.51	NULL	1 / 10	BP paraxial mesoderm development
31	4.42	NULL	1 / 6	GSEA C2NIELSEN_GIST_VS_SYNOVIAL_SARCOMA_UP
32	4.28	NULL	1 / 11	CC photoreceptor disc membrane
33	4.28	NULL	1 / 11	GSEA C2BIOCARTA_AGPCR_PATHWAY
34	4.28	NULL	1 / 11	GSEA C2REACTOME_G_ALPHA_S_SIGNALLING_EVENTS
35	4.2	NULL	7 / 259	BP spermatogenesis
36	4.1	NULL	1 / 15	GSEA C2MASRI_RESISTANCE_TO_TAMOXIFEN_AND_AROMATASE_INH
37	4.04	NULL	1 / 12	BP eye photoreceptor cell development
38	4.04	NULL	1 / 12	GSEA C2BIOCARTA_BARR_MAPK_PATHWAY
39	4.04	NULL	1 / 12	GSEA C2REACTOME_G_PROTEIN_ACTIVATION
40	3.99	NULL	1 / 12	Glio Phillips PN up vs MES & Prolif

p-values



GW_144

Local Summary

%DE = 0.98
 # metagenes = 9
 # genes = 159
 # genes in genesets = 156

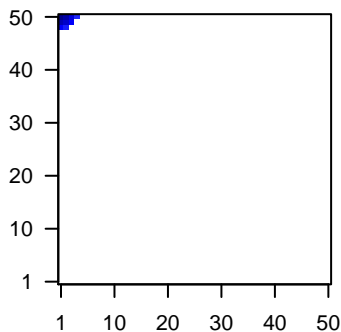
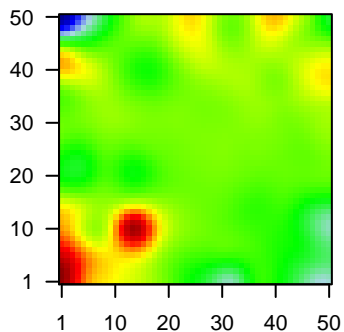
genes with $fdr < 0.1 = 146$ (8 + / 138 -)
 # genes with $fdr < 0.05 = 146$ (8 + / 138 -)
 # genes with $fdr < 0.01 = 137$ (3 + / 134 -)

$\langle r \rangle$ metagenes = 0.99
 $\langle r \rangle$ genes = 0.5

$\langle FC \rangle = -1.14$
 $\langle \text{shrinkage-t} \rangle = -40.55$
 $\langle p\text{-value} \rangle = 0$
 $\langle fdr \rangle = 0.14$

Profile

Spot



Local Genelist

Rank	ID	log(FC)	fdr	p-value	Description
1	131	-1.55	2e-16	2e-17	1 x 50 alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide
2	57016	-1.94	2e-16	2e-17	1 x 50 aldo-keto reductase family 1, member B10 (aldose reductase
3	387695	-2.44	2e-16	2e-17	1 x 49 chromosome 10 open reading frame 99 [Source:HGNC Symt
4	375791	-1.71	2e-16	2e-17	1 x 50 chromosome 9 open reading frame 169 [Source:HGNC Symt
5	810	-2.27	2e-16	2e-17	1 x 50 calmodulin-like 3 [Source:HGNC Symbol;Acc:1452]
6	1048	-1.65	2e-16	2e-17	2 x 50 carcinoembryonic antigen-related cell adhesion molecule 5 [
7	4680	-3.24	2e-16	2e-17	1 x 50 carcinoembryonic antigen-related cell adhesion molecule 6 (I
8	84518	-2.27	2e-16	2e-17	1 x 50 cornifelin [Source:HGNC Symbol;Acc:30183]
9	49860	-2.33	2e-16	2e-17	1 x 50 cornulin [Source:HGNC Symbol;Acc:1230]
10	1672	-1.83	2e-16	2e-17	1 x 50 defensin, beta 1 [Source:HGNC Symbol;Acc:2766]
11	163351	-1.53	2e-16	2e-17	1 x 50 guanylate binding protein family, member 6 [Source:HGNC S
12	9245	-1.8	2e-16	2e-17	4 x 50 glucosaminyl (N-acetyl) transferase 3, mucin type [Source:HG
13	43849	-1.49	2e-16	2e-17	1 x 50 kallikrein-related peptidase 12 [Source:HGNC Symbol;Acc:6
14	26085	-1.51	2e-16	2e-17	1 x 50 kallikrein-related peptidase 13 [Source:HGNC Symbol;Acc:6
15	3860	-4.35	2e-16	2e-17	1 x 50 keratin 13 [Source:HGNC Symbol;Acc:6415]
16	192666	-1.5	2e-16	2e-17	1 x 50 keratin 24 [Source:HGNC Symbol;Acc:18527]
17	3851	-2.46	2e-16	2e-17	1 x 50 keratin 4 [Source:HGNC Symbol;Acc:6441]
18	388533	-1.77	2e-16	2e-17	1 x 49 keratinocyte differentiation-associated protein [Source:HGNC
19	4118	-2.14	2e-16	2e-17	1 x 50 mal, T-cell differentiation protein [Source:HGNC Symbol;Acc
20	342897	-1.78	2e-16	2e-17	1 x 50 non-specific cytotoxic cell receptor protein 1 homolog (zebraf

Local Geneset Analysis

Underexpression

Rank	GSZ	p-value	#in/all	Geneset
1	-58.81	NULL	67 / 135	H.Tiss WIRTH_Mucosa
2	-48.83	NULL	14 / 21	CC cornified envelope
3	-41.6	NULL	16 / 42	BP keratinization
4	-37.85	NULL	19 / 53	BP keratinocyte differentiation
5	-30.62	NULL	8 / 19	BP peptide cross-linking
6	-27.74	NULL	18 / 76	BP epidermis development
7	-25.33	NULL	70 / 572	Disease GUDJ_psooriasis up
8	-18.9	NULL	5 / 16	GSEA C2ONDER_CDH1_TARGETS_3_DN
9	-17.26	NULL	3 / 15	GSEA C2CHANG_IMMORTALIZED_BY_HPV31_DN
10	-16.57	NULL	6 / 16	GSEA C2CROMER_TUMORIGENESIS_DN
11	-15.97	NULL	1 / 6	GSEA C2SARRIO_EPITHELIAL_MESENCHYMAL_TRANSITION_DN
12	-15.31	NULL	4 / 10	GSEA C2SMID_BREAST_CANCER_ERBB2_UP
13	-14.05	NULL	3 / 16	GSEA C2AMIT_SERUM_RESPONSE_480_MCF10A
14	-14.01	NULL	5 / 16	GSEA C2WANG_BARRETTES_ESOPHAGUS_DN
15	-13.82	NULL	6 / 16	GSEA C2SENGUPTA_NASOPHARYNGEAL_CARCINOMA_DN
16	-13.76	NULL	13 / 186	MF structural molecule activity
17	-13.62	NULL	6 / 15	GSEA C2HINATA_NFKB_TARGETS_KERATINOCYTE_DN
18	-13.61	NULL	6 / 13	BP negative regulation of peptidase activity
19	-12.67	NULL	8 / 52	BP negative regulation of endopeptidase activity
20	-12.5	NULL	1 / 8	GSEA C2LIU_CDX2_TARGETS_DN
21	-12.31	NULL	2 / 12	H.Tiss WIRTH_Prim. lymphoid organs
22	-12.13	NULL	2 / 11	GSEA C2MURAKAMI_UV_RESPONSE_6HR_DN
23	-12.03	NULL	10 / 79	MF serine-type endopeptidase inhibitor activity
24	-11.96	NULL	2 / 10	GSEA C2MURAKAMI_UV_RESPONSE_1HR_UP
25	-11.88	NULL	3 / 14	GSEA C2CHARAFE_BREAST_CANCER_BASAL_VS_MESENCHYMAL_U
26	-11.62	NULL	2 / 8	GSEA C2MCLACHLAN_DENTAL_CARIES_UP
27	-10.85	NULL	3 / 13	GSEA C2FARMER_BREAST_CANCER_APOCRINE_VS_LUMINAL
28	-10.82	NULL	2 / 9	GSEA C2MCLACHLAN_DENTAL_CARIES_DN
29	-10.8	NULL	3 / 16	GSEA C2SMID_BREAST_CANCER_RELAPSE_IN_PLEURA_DN
30	-10.74	NULL	4 / 16	GSEA C2JAEGER_METASTASIS_DN
31	-10.35	NULL	5 / 29	BP regulation of proteolysis
32	-10.27	NULL	4 / 44	CC keratin filament
33	-10.19	NULL	3 / 13	GSEA C2HAN_SATB1_TARGETS_DN
34	-10.15	NULL	2 / 10	GSEA C2NIKOLSKY_BREAST_CANCER_20Q12_Q13_AMPLICON
35	-10.12	NULL	4 / 16	GSEA C2LEE_LIVER_CANCER_MYC_TGFA_UP
36	-10.12	NULL	3 / 16	GSEA C2HUPER_BREAST_BASAL_VS_LUMINAL_UP
37	-9.93	NULL	4 / 10	MF RAGE receptor binding
38	-9.58	NULL	2 / 11	GSEA C2SMID_BREAST_CANCER_RELAPSE_IN_BONE_DN
39	-9.43	NULL	4 / 23	MF peptidase inhibitor activity
40	-9.38	NULL	3 / 16	GSEA C2CHEOK_RESPONSE_TO_MERCAPTOPYRINE_AND_LD_MTX_I

p-values

