

GW_222

Global Summary

%DE = 0.12
 # genes with fdr < 0.2 = 1290 (759 + / 531 -)
 # genes with fdr < 0.1 = 1013 (616 + / 397 -)
 # genes with fdr < 0.05 = 815 (506 + / 309 -)
 # genes with fdr < 0.01 = 574 (381 + / 193 -)
 # genes in genesets = 16332

<FC> = 0
 <shrinkage-t> = 0
 <p-value> = 0.14
 <fdr> = 0.88

Global Genelist

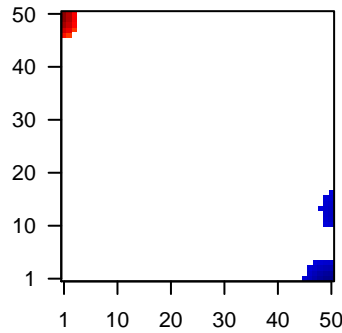
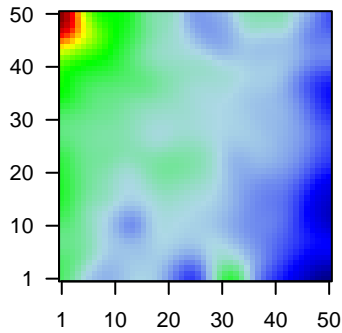
Rank	ID	log(FC)	fdr p-value	Description Metagene
1	8644	1.96	2e-16 4e-14	1 x 50 aldo-keto reductase family 1, member C3 [Source:HGNC Symb
2	1109	1.51	2e-16 4e-14	13 x 50 aldo-keto reductase family 1, member C4 [Source:HGNC Symb
3	214	-1.64	2e-16 4e-14	50 x 50 activated leukocyte cell adhesion molecule [Source:HGNC Symb
4	216	-2.18	2e-16 4e-14	50 x 50 aldehyde dehydrogenase 1 family, member A1 [Source:HGNC
5	353322	1.41	2e-16 4e-14	6 x 48 ankyrin repeat domain 37 [Source:HGNC Symbol;Acc:29593]
6	25805	2.04	2e-16 4e-14	8 x 1 BMP and activin membrane-bound inhibitor [Source:HGNC Symb
7	260436	-1.46	2e-16 4e-14	50 x 1 follicular dendritic cell secreted protein [Source:HGNC Symb
8	375791	1.49	2e-16 4e-14	1 x 50 chromosome 9 open reading frame 169 [Source:HGNC Synt
9	810	1.27	2e-16 4e-14	1 x 50 calmodulin-like 3 [Source:HGNC Symbol;Acc:1452]
10	22802	-1.65	2e-16 4e-14	1 x 50 chloride channel accessory 4 [Source:HGNC Symbol;Acc:20
11	84518	1.55	2e-16 4e-14	1 x 50 cornifelin [Source:HGNC Symbol;Acc:30183]
12	54544	1.8	2e-16 4e-14	1 x 50 cysteine-rich C-terminal 1 [Source:HGNC Symbol;Acc:2987
13	49860	2.34	2e-16 4e-14	1 x 50 cornulin [Source:HGNC Symbol;Acc:1230]
14	57007	1.37	2e-16 4e-14	14 x 50 atypical chemokine receptor 3 [Source:HGNC Symbol;Acc:23
15	126410	1.44	2e-16 4e-14	1 x 49 cytochrome P450, family 4, subfamily F, polypeptide 22 [Sour
16	54541	1.44	2e-16 4e-14	1 x 4 DNA-damage-inducible transcript 4 [Source:HGNC Symbol;
17	55894	2.75	2e-16 4e-14	1 x 47 defensin, beta 103B [Source:HGNC Symbol;Acc:31702]
18	414325	3.31	2e-16 4e-14	1 x 48 defensin, beta 103B [Source:HGNC Symbol;Acc:31702]
19	1673	2.92	2e-16 4e-14	1 x 49 defensin, beta 4B [Source:HGNC Symbol;Acc:30193]
20	2167	3.55	2e-16 4e-14	1 x 44 fatty acid binding protein 4, adipocyte [Source:HGNC Symbol

Global Geneset Analysis

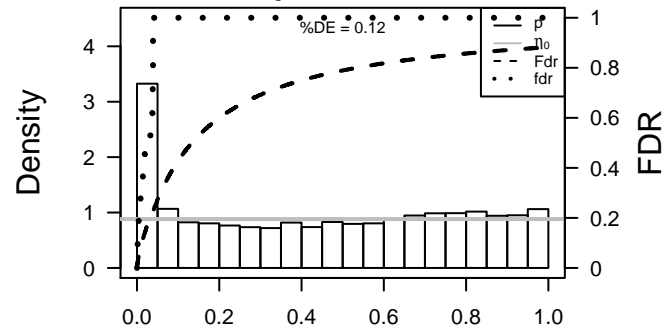
Rank	GSZ	p-value	#all	Geneset
<i>Overexpressed</i>				
1	25.08	NULL	572	Disease GUDJ_poriasis up
2	23.67	NULL	135	H.Tiss WIRTH_Mucosa
3	17.27	NULL	21	CC cornified envelope
4	15.34	NULL	42	BP keratinization
5	12.46	NULL	53	BP keratinocyte differentiation
6	12.06	NULL	76	BP epidermis development
7	9.76	NULL	16	GSEA C2EINAV_INTERFERON_SIGNATURE_IN_CANCER
8	9.12	NULL	19	BP peptide cross-linking
9	8.95	NULL	13	GSEA C2BOWIE_RESPONSE_TO_TAMOXIFEN
10	8.66	NULL	10	GSEA C2BOWIE_RESPONSE_TO_EXTRACELLULAR_MATRIX
11	8.6	NULL	16	GSEA C2ZHANG_INTERFERON_RESPONSE
12	8.5	NULL	15	GSEA C2PYEON_CANCER_HEAD_AND_NECK_VS_CERVICAL_DN
13	8.15	NULL	8	GSEA C2ROETH_TERT_TARGETS_UP
14	7.86	NULL	10	GSEA C2DAUER_STAT3_TARGETS_DN
15	7.81	NULL	51	BP type I interferon signaling pathway
16	7.46	NULL	16	GSEA C2XU_HGF_TARGETS_INDUCED_BY_AKT1_6HR
17	7.42	NULL	33	BP cholesterol biosynthetic process
18	7.35	NULL	16	GSEA C2JROSEVIC_RESPONSE_TO_JMIQUIMOD
19	7.17	NULL	10	GSEA C2GRANDVAUX_IFN_RESPONSE_NOT_VIA_IRF3
20	6.45	NULL	123	BP defense response to virus
<i>Underexpressed</i>				
1	-7.75	NULL	417	H.Tiss WIRTH_Immune system
2	-7.12	NULL	15	CC MHC class II protein complex
3	-6.97	NULL	16	GSEA C2RICKMAN_HEAD_AND_NECK_CANCER_D
4	-6.74	NULL	602	Chr Chr 10
5	-6.35	NULL	375	Disease GUDJ_poriasis down
6	-5.38	NULL	36	BP muscle filament sliding
7	-5.17	NULL	717	Chr Chr 16
8	-4.92	NULL	47	BP antigen processing and presentation
9	-4.59	NULL	22	Lymphocyte_AVE_NFkB_BL_DN
10	-4.55	NULL	15	GSEA C2RICKMAN_HEAD_AND_NECK_CANCER_E
11	-4.52	NULL	127	H.Tiss WIRTH_Muscle
12	-4.35	NULL	15	GSEA C2SNIJDERS_AMPLIFIED_IN_HEAD_AND_NECK_TUMORS
13	-4.33	NULL	44	MF structural constituent of muscle
14	-4.31	NULL	162	CC external side of plasma membrane
15	-4.29	NULL	6	GSEA C2KAPOSI_LIVER_CANCER_POOR_SURVIVAL_DN
16	-4.23	NULL	11	GSEA C2BIOCARTA_TCYTOTOXIC_PATHWAY
17	-4.15	NULL	11	GSEA C2BIOCARTA_THELPER_PATHWAY
18	-4.15	NULL	16	GSEA C2RICKMAN_HEAD_AND_NECK_CANCER_F
19	-4.1	NULL	15	GSEA C2RUGO_STRESS_RESPONSE_SUBSET_H
20	-4.1	NULL	15	GSEA C2YNG_DNA_DAMAGE_BY_GAMMA_AND_UV_RADIATION

Profile

Regulated Spots



p-values



GW_222

Local Summary

%DE = 0.9
 # metagenes = 14
 # genes = 200
 # genes in genesets = 194

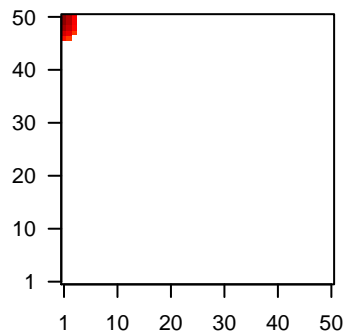
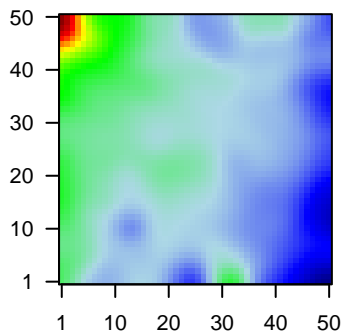
genes with $fdr < 0.1$ = 163 (149 + / 14 -)
 # genes with $fdr < 0.05$ = 149 (135 + / 14 -)
 # genes with $fdr < 0.01$ = 144 (130 + / 14 -)

$\langle r \rangle$ metagenes = 0.97
 $\langle r \rangle$ genes = 0.47

$\langle FC \rangle = 0.76$
 $\langle \text{shrinkage-t} \rangle = 26.71$
 $\langle p\text{-value} \rangle = 0$
 $\langle fdr \rangle = 0.25$

Profile

Spot



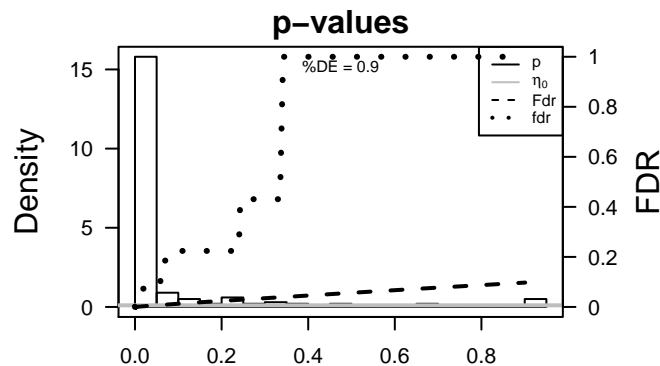
Local Genelist

Rank	ID	log(FC)	fdr	p-value	Description
1	8644	1.96	2e-16	1e-16	1 x 50 aldo-keto reductase family 1, member C3 [Source:HGNC Symt
2	375791	1.49	2e-16	1e-16	1 x 50 chromosome 9 open reading frame 169 [Source:HGNC Symt
3	810	1.27	2e-16	1e-16	1 x 50 calmodulin-like 3 [Source:HGNC Symbol;Acc:1452]
4	22802	-1.65	2e-16	1e-16	1 x 50 chloride channel accessory 4 [Source:HGNC Symbol;Acc:20
5	84518	1.55	2e-16	1e-16	1 x 50 cornifelin [Source:HGNC Symbol;Acc:30183]
6	54544	1.8	2e-16	1e-16	1 x 50 cysteine-rich C-terminal 1 [Source:HGNC Symbol;Acc:2987
7	49860	2.34	2e-16	1e-16	1 x 50 cornulin [Source:HGNC Symbol;Acc:1230]
8	126410	1.44	2e-16	1e-16	1 x 49 cytochrome P450, family 4, subfamily F, polypeptide 22 [Sour
9	55894	2.75	2e-16	1e-16	1 x 47 defensin, beta 103B [Source:HGNC Symbol;Acc:31702]
10	414325	3.31	2e-16	1e-16	1 x 48 defensin, beta 103B [Source:HGNC Symbol;Acc:31702]
11	1673	2.92	2e-16	1e-16	1 x 49 defensin, beta 4B [Source:HGNC Symbol;Acc:30193]
12	26525	1.8	2e-16	1e-16	1 x 49 interleukin 36 receptor antagonist [Source:HGNC Symbol;Acc
13	43849	1.96	2e-16	1e-16	1 x 50 kallikrein-related peptidase 12 [Source:HGNC Symbol;Acc:6
14	26085	1.84	2e-16	1e-16	1 x 50 kallikrein-related peptidase 13 [Source:HGNC Symbol;Acc:6
15	5653	1.77	2e-16	1e-16	1 x 50 kallikrein-related peptidase 6 [Source:HGNC Symbol;Acc:63
16	5650	1.47	2e-16	1e-16	1 x 49 kallikrein-related peptidase 7 [Source:HGNC Symbol;Acc:63
17	3868	1.57	2e-16	1e-16	1 x 46 keratin 16 [Source:HGNC Symbol;Acc:6423]
18	192666	-1.55	2e-16	1e-16	1 x 50 keratin 24 [Source:HGNC Symbol;Acc:18527]
19	3851	-2.51	2e-16	1e-16	1 x 50 keratin 4 [Source:HGNC Symbol;Acc:6441]
20	286887	1.26	2e-16	1e-16	1 x 47 keratin 6C [Source:HGNC Symbol;Acc:20406]

Local Geneset Analysis

Overexpression

Rank	GSZ	p-value	#in/all	Geneset
1	46	NULL	79 / 135	H.Tiss WIRTH_Mucosa
2	43.48	NULL	18 / 21	CC cornified envelope
3	37.25	NULL	19 / 42	BP keratinization
4	31.2	NULL	23 / 53	BP keratinocyte differentiation
5	29.46	NULL	87 / 572	Disease GUDJ_psooriasis up
6	25.29	NULL	22 / 76	BP epidermis development
7	21.71	NULL	10 / 19	BP peptide cross-linking
8	17.41	NULL	5 / 10	MF RAGE receptor binding
9	15.03	NULL	6 / 15	GSEA C2HINATA_NFKB_TARGETS_KERATINOCYTE_DN
10	13.98	NULL	7 / 16	GSEA C2ONDER_CDH1_TARGETS_3_DN
11	13.48	NULL	6 / 16	GSEA C2WANG_BARRETTES_ESOPHAGUS_DN
12	12.87	NULL	3 / 15	GSEA C2PYEON_CANCER_HEAD_AND_NECK_VS_CERVICAL_DN
13	12.53	NULL	3 / 10	GSEA C2AJULA_IL22_AND_IL17A_SIGNALING
14	12.01	NULL	3 / 16	GSEA C2AMIT_SERUM_RESPONSE_480_MCF10A
15	10.86	NULL	4 / 15	GSEA C2CHANG_IMMORTALIZED_BY_HPV31_DN
16	10.78	NULL	9 / 21	CC desmosome
17	9.88	NULL	4 / 15	MF retinol dehydrogenase activity
18	9.34	NULL	2 / 17	Disease BCHETNIA_EBM up
19	9.28	NULL	7 / 73	BP defense response to bacterium
20	8.5	NULL	12 / 122	MF serine-type endopeptidase activity
21	8.49	NULL	4 / 10	GSEA C2REACTOME_APOPTOTIC_CLEAVAGE_OF_CELL_ADHESION_P
22	8.13	NULL	6 / 16	GSEA C2HUPER_BREAST_BASAL_VS_LUMINAL_UP
23	7.93	NULL	6 / 16	GSEA C2SENGUPTA_NASOPHARYNGEAL_CARCINOMA_DN
24	7.82	NULL	3 / 10	GSEA C2SMID_BREAST_CANCER_ERBB2_UP
25	7.78	NULL	51 / 1182	CC extracellular region
26	7.58	NULL	4 / 15	GSEA C2LEE_LIVER_CANCER_MYC_E2F1_UP
27	7.41	NULL	3 / 16	GSEA C2CHEOK_RESPONSE_TO_MERCAPTOPYRINE_AND_LD_MTX_U
28	7.32	NULL	4 / 15	GSEA C2AIGNER_ZEB1_TARGETS
29	7.12	NULL	3 / 12	BP cellular aldehyde metabolic process
30	7.05	NULL	4 / 16	GSEA C2COLDREN_GEFITINIB_RESISTANCE_DN
31	7.03	NULL	2 / 16	GSEA C2SMID_BREAST_CANCER_RELAPSE_IN_LUNG_UP
32	6.85	NULL	4 / 39	BP retinoid metabolic process
33	6.82	NULL	3 / 63	CC Golgi lumen
34	6.82	NULL	1 / 14	GSEA C2ZHAN_MULTIPLE_MYELOMA_MF_UP
35	6.67	NULL	2 / 10	GSEA C2KEGG_LINOLEIC_ACID_METABOLISM
36	6.66	NULL	4 / 15	GSEA C2LIN_SILENCED_BY_TUMOR_MICROENVIRONMENT
37	6.52	NULL	2 / 15	MF interleukin-1 receptor binding
38	6.41	NULL	2 / 14	GSEA C2ZHOU_INFLAMMATORY_RESPONSE_LPS_UP
39	6.14	NULL	3 / 15	GSEA C2LEE_LIVER_CANCER_MYC_UP
40	6.09	NULL	6 / 53	MF serine-type peptidase activity



GW_222

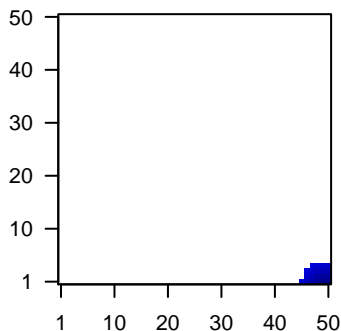
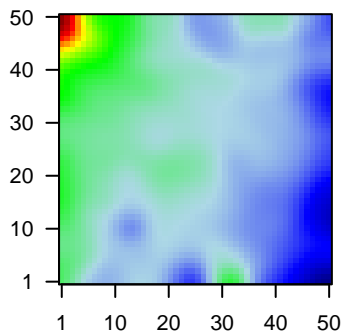
Local Summary

%DE = 0.7
 # metagenes = 20
 # genes = 308
 # genes in genesets = 305
 # genes with $fdr < 0.1$ = 151 (10 + / 141 -)
 # genes with $fdr < 0.05$ = 114 (8 + / 106 -)
 # genes with $fdr < 0.01$ = 71 (7 + / 64 -)

<r> metagenes = 0.99
 <r> genes = 0.57
 <FC> = -0.32
 <shrinkage-t> = -11.14
 <p-value> = 0.01
 <fdr> = 0.62

Profile

Spot



Local Genelist

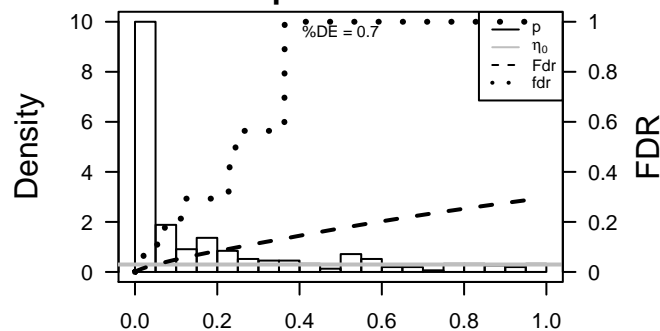
Rank	ID	log(FC)	fdr	p-value	Description
1	260436	-1.46	2e-16	2e-14	50 x 1 follicular dendritic cell secreted protein [Source:HGNC Symbc
2	3120	-1.3	3e-15	4e-12	47 x 1 major histocompatibility complex, class II, DQ beta 2 [Source:
3	3122	-1.16	5e-14	4e-12	50 x 1 major histocompatibility complex, class II, DR alpha [Source:!
4	3113	-1.23	9e-14	3e-11	50 x 1 major histocompatibility complex, class II, DP alpha 1 [Source:
5	3109	-1.2	4e-13	7e-11	50 x 1 major histocompatibility complex, class II, DM beta [Source:H
6	972	-1.17	1e-12	1e-09	50 x 1 CD74 molecule, major histocompatibility complex, class II inv.
7	10537	-1.11	2e-11	4e-08	50 x 1 ubiquitin D [Source:HGNC Symbol;Acc:18795]
8	3512	-1.02	6e-10	4e-08	50 x 1 immunoglobulin J polypeptide, linker protein for immunogloblu
9	3126	-1	1e-09	4e-08	50 x 1 major histocompatibility complex, class II, DR beta 4 [Source:
10	83641	-1	1e-09	3e-07	50 x 1 family with sequence similarity 107, member B [Source:HGNC
11	4283	-0.96	5e-09	3e-07	49 x 1 chemokine (C-X-C motif) ligand 9 [Source:HGNC Symbol;Ac
12	6364	-0.95	7e-09	2e-06	46 x 1 chemokine (C-C motif) ligand 20 [Source:HGNC Symbol;Acc
13	3108	-0.92	3e-08	3e-06	50 x 1 major histocompatibility complex, class II, DM alpha [Source:!
14	10628	-0.87	8e-08	3e-06	48 x 1 thioredoxin interacting protein [Source:HGNC Symbol;Acc:16
15	6363	-0.88	1e-07	8e-06	50 x 1 chemokine (C-C motif) ligand 19 [Source:HGNC Symbol;Acc
16	4050	-0.84	3e-07	8e-06	50 x 1 lymphotoxin beta (TNF superfamily, member 3) [Source:HGNC
17	5880	-0.84	3e-07	8e-06	50 x 1 ras-related C3 botulinum toxin substrate 2 (rho family, small C
18	10563	-0.83	4e-07	8e-06	50 x 1 chemokine (C-X-C motif) ligand 13 [Source:HGNC Symbol;!
19	3059	-0.83	5e-07	8e-06	50 x 1 hematopoietic cell-specific Lyn substrate 1 [Source:HGNC S!
20	23643	0.83	5e-07	9e-06	50 x 3 lymphocyte antigen 96 [Source:HGNC Symbol;Acc:17156]

Local Geneset Analysis

Underexpression

Rank	GSZ	p-value	#in/all	Geneset
1	-41.52	NULL	13 / 15	CC MHC class II protein complex
2	-24.37	NULL	16 / 47	BP antigen processing and presentation
3	-22.94	NULL	100 / 417	H.Tiss WIRTH_Immune system
4	-22.56	NULL	57 / 312	BP immune response
5	-22.1	NULL	8 / 21	CC clathrin-coated endocytic vesicle membrane
6	-21.04	NULL	8 / 23	CC integral to luminal side of endoplasmic reticulum membrane
7	-19.31	NULL	19 / 60	BP T cell costimulation
8	-19.06	NULL	3 / 6	GSEA C2SANA_RESPONSE_TO_IFNG_UP
9	-18.91	NULL	8 / 28	CC transport vesicle membrane
10	-18.35	NULL	106 / 553	Cancer Lembecke_Colonic Inflammation
11	-17.58	NULL	8 / 32	CC ER to Golgi transport vesicle membrane
12	-17.57	NULL	9 / 35	CC trans-Golgi network membrane
13	-16.96	NULL	2 / 3	GSEA C2KEGG_VIRAL_MYOCARDITIS
14	-16.91	NULL	2 / 6	GSEA C2LUI_THYROID_CANCER_CLUSTER_4
15	-15.49	NULL	14 / 87	BP antigen processing and presentation of exogenous peptide antigen
16	-15.4	NULL	7 / 11	GSEA C2BIOCARTA_TCYTOTOXIC_PATHWAY
17	-15.09	NULL	6 / 15	Glio Donson-chemokines/cytokines-associated with LTS in HGA
18	-15.05	NULL	19 / 84	BP T cell receptor signaling pathway
19	-15.05	NULL	7 / 11	GSEA C2BIOCARTA_THELPER_PATHWAY
20	-14.95	NULL	5 / 12	BP immunoglobulin mediated immune response
21	-14.66	NULL	2 / 4	MMML C2SCIEJ_MMML_2
22	-14.4	NULL	2 / 4	GSEA C2KEGG_LEISHMANIA_INFECTION
23	-13.98	NULL	9 / 46	CC endocytic vesicle membrane
24	-13.8	NULL	3 / 5	GSEA C2WONG_ENDOMETRIAL_CANCER_LATE
25	-13.65	NULL	5 / 10	GSEA C2LEE_DIFFERENTIATING_T_LYMPHOCYTE
26	-13.39	NULL	5 / 17	BP positive regulation of neutrophil chemotaxis
27	-13.22	NULL	9 / 52	Chr Chr HSCHR6_MHC_QBL
28	-13.12	NULL	3 / 9	GSEA C2MILICIC_FAMILIAL_ADENOMATOUS_POLYPOSIS_DN
29	-13.11	NULL	13 / 60	BP interferon-gamma-mediated signaling pathway
30	-12.85	NULL	8 / 13	Cancer GENTLES_modul18
31	-12.78	NULL	6 / 8	Glio Donson-migration tethering and rolling-associated with LTS in HGA
32	-12.33	NULL	5 / 12	BP dendritic cell chemotaxis
33	-12.03	NULL	49 / 265	Glio willscher_GBM_Verhaak-CL_expression_B_up
34	-12.03	NULL	49 / 265	Glio willscher_GBM_Verhaak-MES_expression_B_up
35	-12.03	NULL	49 / 265	Glio willscher_GBM_Verhaak-PNwt_expression_B_down
36	-12.03	NULL	49 / 265	Glio willscher_GBM_Verhaak-PNmut_expression_B_down
37	-11.95	NULL	1 / 2	GSEA C2KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PRODUC
38	-11.95	NULL	1 / 2	GSEA C2KEGG_AUTOIMMUNE_THYROID_DISEASE
39	-11.95	NULL	1 / 2	GSEA C2KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS
40	-11.88	NULL	4 / 8	GSEA C2GRAHAM_GML_QUIESCENT_VS_NORMAL_DIVIDING_DN

p-values



GW_222

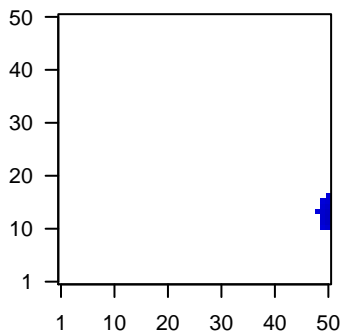
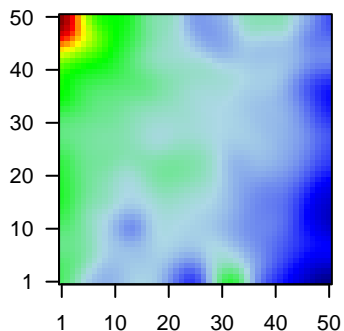
Local Summary

%DE = 0.79
 # metagenes = 14
 # genes = 198
 # genes in genesets = 197
 # genes with $fdr < 0.1$ = 112 (9 + / 103 -)
 # genes with $fdr < 0.05$ = 76 (7 + / 69 -)
 # genes with $fdr < 0.01$ = 52 (2 + / 50 -)

<r> metagenes = 0.92
 <r> genes = 0.29
 <FC> = -0.29
 <shrinkage-t> = -10.29
 <p-value> = 0.01
 <fdr> = 0.63

Profile

Spot



Local Genelist

Rank	ID	log(FC)	fdr	p-value	Description
1	8857	-2.34	2e-16	3e-15	50 x 13 Fc fragment of IgG binding protein [Source:HGNC Symbol;Acc:10000]
2	2568	-1.48	2e-16	3e-15	50 x 13 gamma-aminobutyric acid (GABA) A receptor, pi [Source:HGNC Symbol;Acc:10000]
3	10232	-1.4	2e-16	3e-15	50 x 11 mesothelin [Source:HGNC Symbol;Acc:7371]
4	9071	-0.97	4e-09	1e-07	50 x 12 claudin 10 [Source:HGNC Symbol;Acc:2033]
5	2205	-0.96	7e-09	2e-07	50 x 13 Fc fragment of IgE, high affinity I, receptor for; alpha polypept
6	51316	-0.94	1e-08	5e-07	50 x 13 placenta-specific 8 [Source:HGNC Symbol;Acc:19254]
7	343990	-0.92	2e-08	6e-06	50 x 12 KIAA1211-like [Source:HGNC Symbol;Acc:33454]
8	909	-0.86	2e-07	6e-06	50 x 16 CD1a molecule [Source:HGNC Symbol;Acc:1634]
9	1298	-0.84	3e-07	9e-06	50 x 17 collagen, type IX, alpha 2 [Source:HGNC Symbol;Acc:2218]
10	1153	-0.82	6e-07	1e-05	50 x 15 cold inducible RNA binding protein [Source:HGNC Symbol;Acc:10000]
11	3169	-0.81	8e-07	4e-05	50 x 12 forkhead box A1 [Source:HGNC Symbol;Acc:5021]
12	124	-0.78	2e-06	4e-05	50 x 11 alcohol dehydrogenase 1A (class I), alpha polypeptide [Source:HGNC Symbol;Acc:10000]
13	26018	-0.77	3e-06	8e-05	50 x 16 leucine-rich repeats and immunoglobulin-like domains 1 [Source:HGNC Symbol;Acc:10000]
14	79085	-0.75	5e-06	8e-05	50 x 13 solute carrier family 25 (mitochondrial carrier; phosphate carr
15	5095	-0.74	8e-06	8e-05	49 x 13 propionyl CoA carboxylase, alpha polypeptide [Source:HGNC Symbol;Acc:10000]
16	155066	-0.73	9e-06	9e-05	50 x 15 ATPase, H+ transporting V0 subunit e2 [Source:HGNC Symbol;Acc:10000]
17	83988	-0.72	1e-05	6e-04	50 x 17 neurocalcin delta [Source:HGNC Symbol;Acc:7655]
18	494470	-0.67	4e-05	6e-04	50 x 17 ring finger protein 165 [Source:HGNC Symbol;Acc:31696]
19	54780	-0.67	5e-05	6e-04	49 x 15 non-SMC element 4 homolog A (S. cerevisiae) [Source:HGNC Symbol;Acc:10000]
20	169166	-0.66	6e-05	6e-04	50 x 13 sorting nexin 31 [Source:HGNC Symbol;Acc:28605]

Local Geneset Analysis

Underexpression

Rank	GSZ	p-value	#in/all	Geneset
1	-20.95	NULL	2 / 14	GSEA C2WANG_BARRETTES_ESOPHAGUS_UP
2	-18.34	NULL	3 / 7	GSEA C2HUPER_BREAST_BASAL_VS_LUMINAL_DN
3	-17.03	NULL	3 / 16	GSEA C2DOANE_BREAST_CANCER_ESR1_DN
4	-15.73	NULL	5 / 16	GSEA C2RICKMAN_HEAD_AND_NECK_CANCER_A
5	-14.5	NULL	1 / 5	GSEA C2SMID_BREAST_CANCER_ERBB2_DN
6	-13.55	NULL	1 / 13	GSEA C2FONTAINE_FOLLICULAR_THYROID_ADENOMA_UP
7	-12.51	NULL	1 / 15	GSEA C2FONTAINE_PAPILLARY_THYROID_CARCINOMA_DN
8	-12.07	NULL	1 / 16	GSEA C2WATTEL_AUTONOMOUS_THYROID_ADENOMA_UP
9	-11.31	NULL	4 / 9	GSEA C2REACTOME_ETHANOL_OXIDATION
10	-11.11	NULL	1 / 8	GSEA C2HEIDENBLAD_AMPLICON_12P11_12_UP
11	-10.42	NULL	3 / 9	GSEA C2GOZGIT_ESR1_TARGETS_DN
12	-9.79	NULL	1 / 10	MF GABA-A receptor activity
13	-9.62	NULL	2 / 16	GSEA C2YANG_BREAST_CANCER_ESR1_DN
14	-9.55	NULL	2 / 14	GSEA C2SENGUPTA_NASOPHARYNGEAL_CARCINOMA_WITH_LMP1_DN
15	-9.28	NULL	1 / 11	GSEA C2JAZAERI_BREAST_CANCER_BRCA1_VS_BRCA2_DN
16	-8.88	NULL	3 / 15	GSEA C2NAKAJIMA_MAST_CELL
17	-8.1	NULL	1 / 14	GSEA C2TURASHVILI_BREAST_NORMAL_DUCTAL_VS_LOBULAR_UP
18	-8.1	NULL	1 / 14	GSEA C2RIZKI_TUMOR_INVASIVENESS_2D_DN
19	-8.07	NULL	2 / 16	GSEA C2TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_LOBULAR_UP
20	-7.79	NULL	1 / 15	GSEA C2SABATES_COLORECTAL_ADENOMA_UP
21	-7.79	NULL	1 / 15	GSEA C2IN_SILENCED_BY_TUMOR_MICROENVIRONMENT
22	-7.69	NULL	1 / 7	GSEA C2TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_SUSTAINED
23	-7.67	NULL	1 / 14	GSEA C2WALK_AML_WITH_11Q23_REARRANGED
24	-7.52	NULL	2 / 14	GSEA C2MEINHOLD_OVARIAN_CANCER_LOW_GRADE_UP
25	-7.51	NULL	1 / 3	miRNA 3008C-210
26	-7.51	NULL	1 / 16	GSEA C2TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_DUCTAL_UP
27	-7.51	NULL	1 / 16	GSEA C2TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_LOBULAR_UP
28	-7.51	NULL	1 / 16	GSEA C2ROY_WOUND_BLOOD_VESSEL_DN
29	-7.37	NULL	1 / 15	GSEA C2RICKMAN_HEAD_AND_NECK_CANCER_E
30	-7.11	NULL	1 / 16	GSEA C2WALK_AML_CLUSTER_9
31	-6.73	NULL	1 / 7	GSEA C2KANG_CISPLATIN_RESISTANCE_DN
32	-6.63	NULL	2 / 7	GSEA C2NAKAMURA_BRONCHIAL_AND_BRONCHIOLAR_EPITHELIA
33	-6.53	NULL	2 / 12	GSEA C2PROVENZANI_METASTASIS_UP
34	-6.5	NULL	1 / 7	GSEA C2NEBEN_AML_WITH_FLT3_OR_NRAS_UP
35	-6.46	NULL	1 / 15	Cancer LIU_PROSTATE_CANCER_DN
36	-6.3	NULL	2 / 30	BP response to cold
37	-6.14	NULL	2 / 8	GSEA C2NAKAMURA_LUNG_CANCER_DIFFERENTIATION_MARKERS
38	-6.14	NULL	2 / 15	GSEA C2MASSARWEH_RESPONSE_TO ESTRADIOL
39	-6.09	NULL	1 / 23	MF extracellular ligand-gated ion channel activity
40	-6.02	NULL	2 / 15	GSEA C2SHIPP_DLCL_VS_FOLLICULAR_LYMPHOMA_DN

p-values

