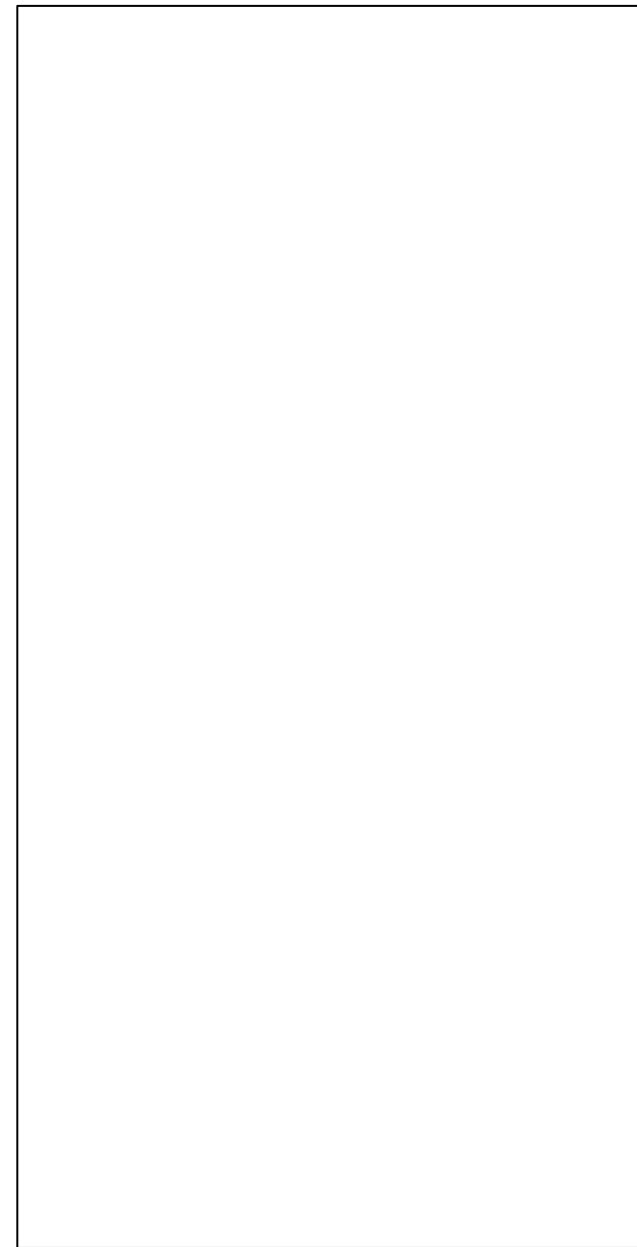
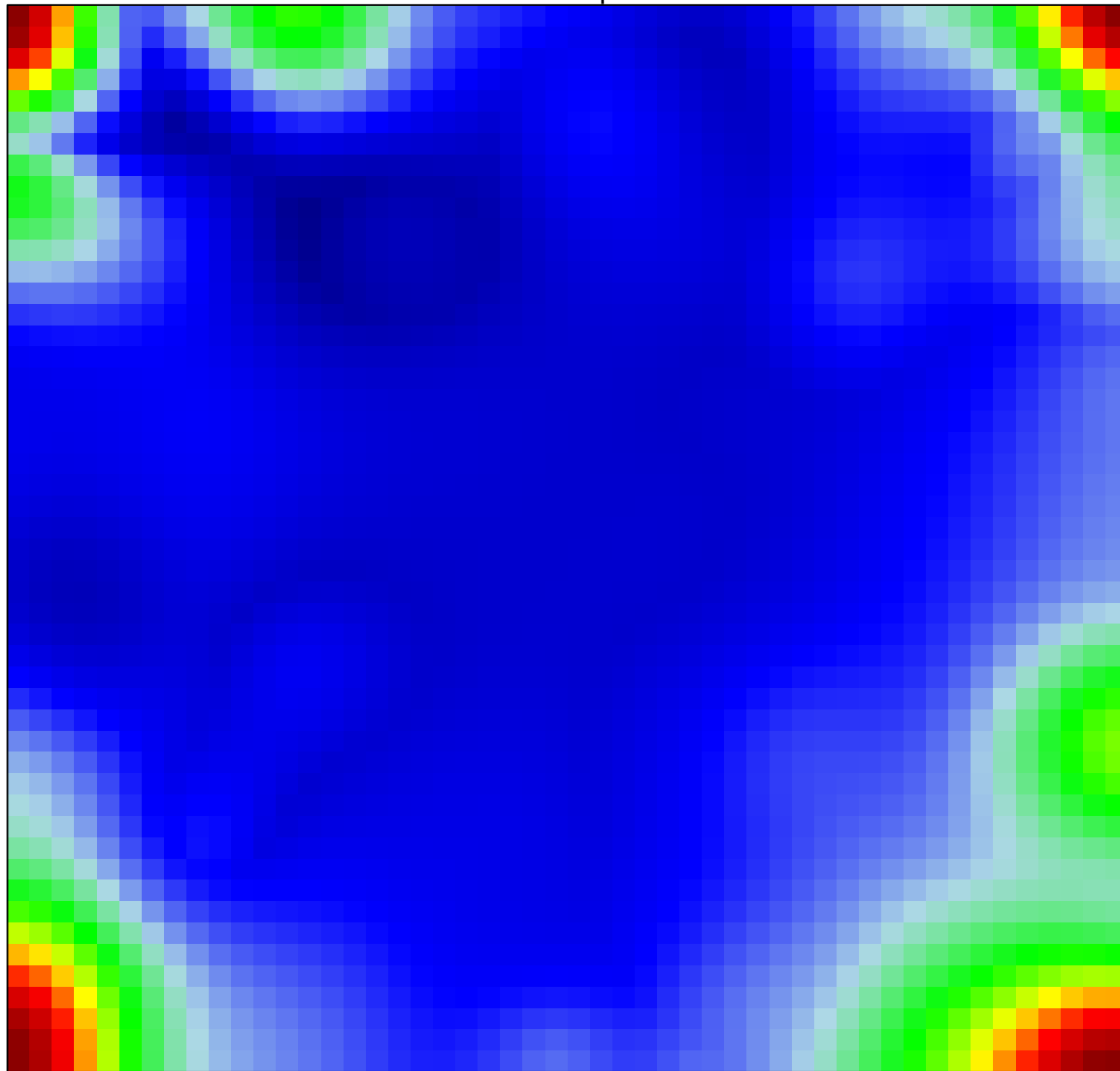


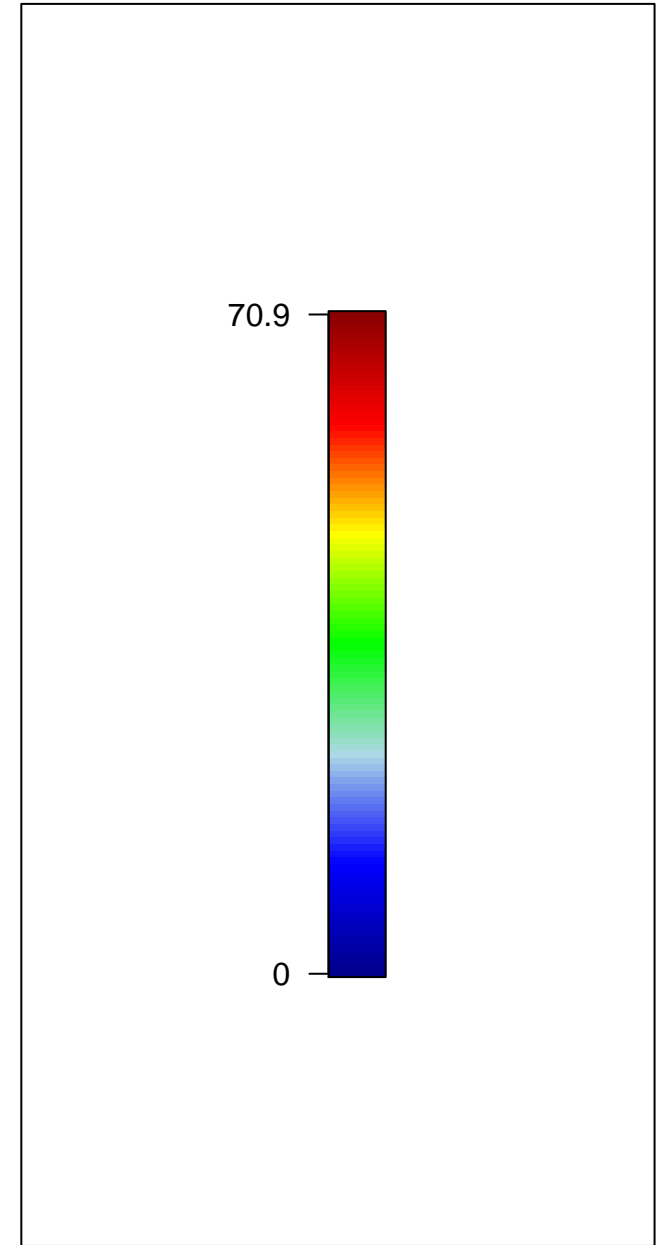
Group Overexpression

landscape



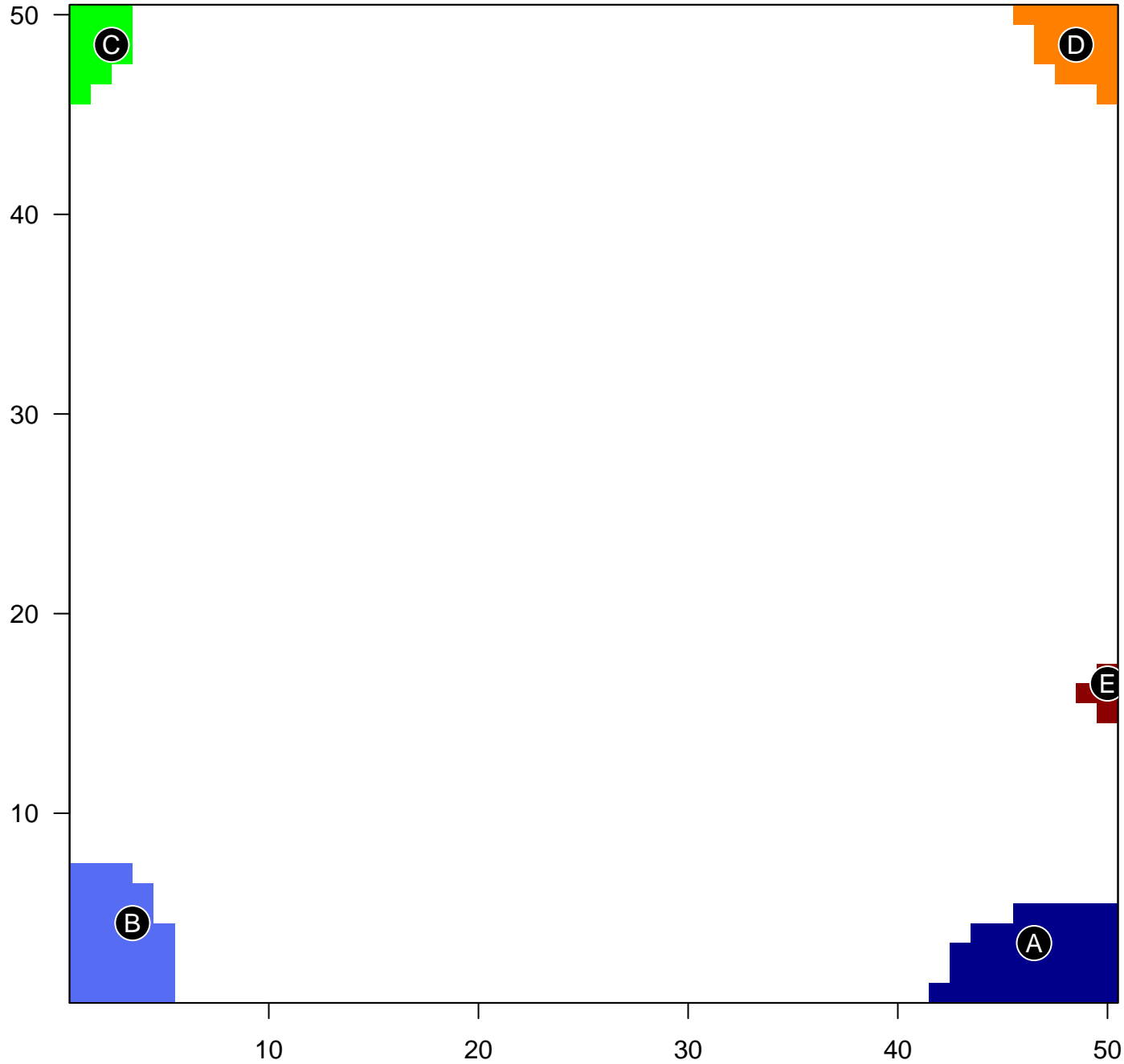
Group Overexpression

beta-scores



Group Overexpression

annotation



- A ■ WIRTH_Immune system
Lembcke_Colonic Inflammation
immune response
- B ■ LENZ_Stromal signature 1
extracellular matrix organization
extracellular matrix
- C ■ WIRTH_Mucosa
GUDJ_psoriasis up
cornified envelope
- D ■ Chr 3
small molecule metabolic process
xenobiotic metabolic process
- E ■ RICKMAN_HEAD_AND_NECK_CANCER_A
hsa-miR-380
DAVICIONI_PAX_FOXO1_SIGNATURE_IN_ARMS_DN



A

WIRTH_Immune system
Lembcke_Colonic Inflammation
immune response

B

LENZ_Stromal signature 1
extracellular matrix organization
extracellular matrix

C

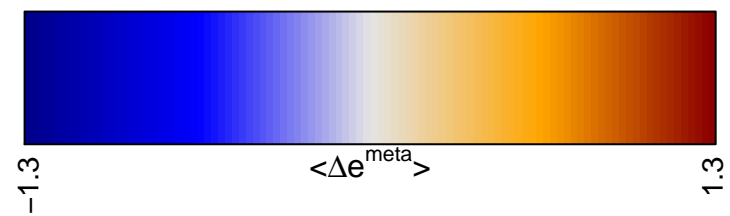
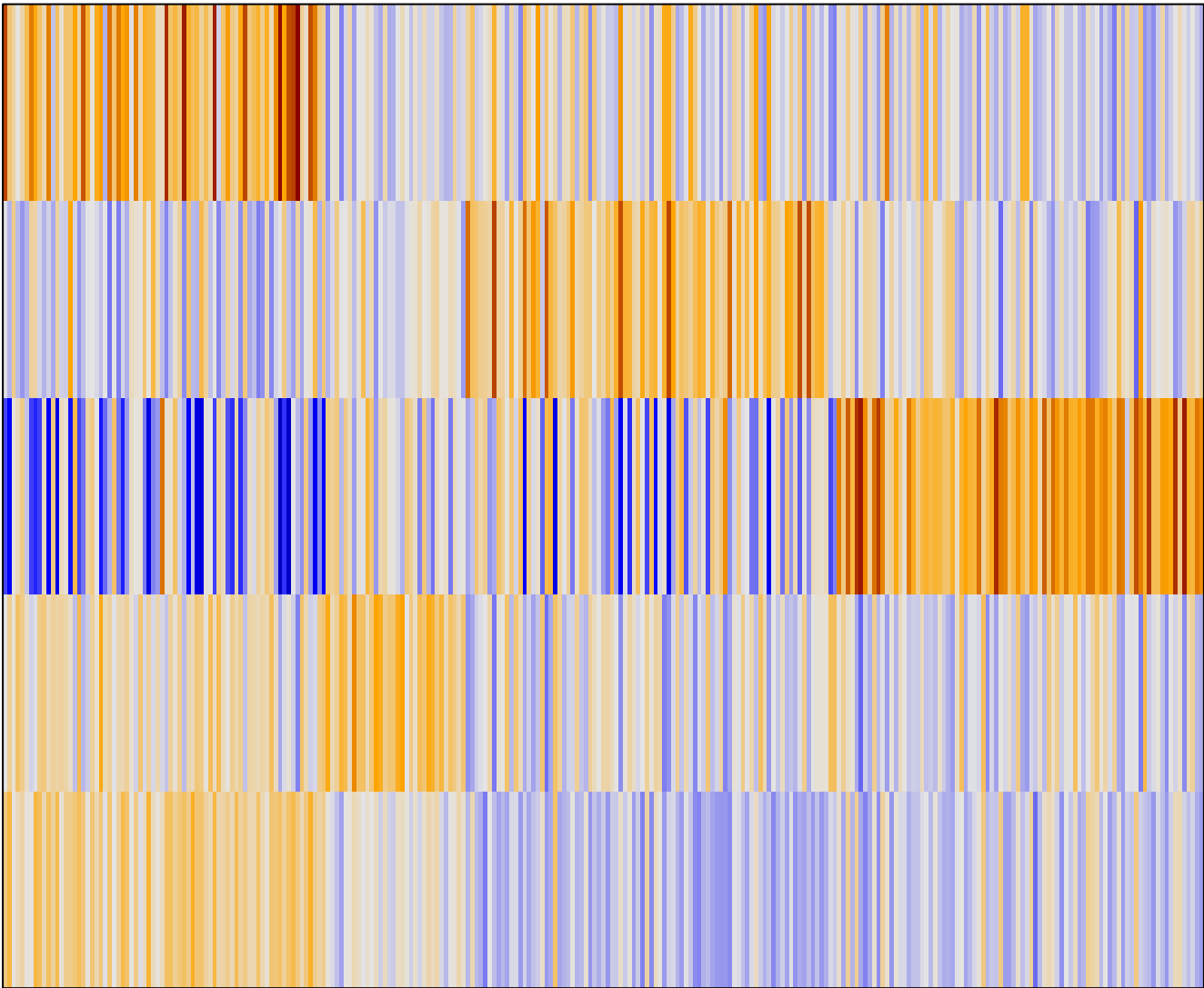
WIRTH_Mucosa
GUDJ_psoriasis up
cornified envelope

D

Chr 3
small molecule metabolic process
xenobiotic metabolic process

E

RICKMAN_HEAD_AND_NECK_CANCER_A
hsa-miR-380
DAVICIONI_PAX_FOXO1_SIGNATURE_IN_ARMS_DN



Group Overexpression

Spot Summary: A

metagenes = 37
genes = 492

<r> metagenes = 0.95

<r> genes = 0.49

beta: r2= 30.5 / log p= -Inf

samples with spot = 41 (14.9 %)

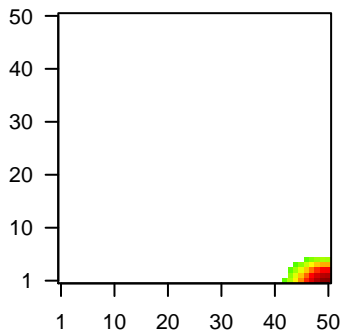
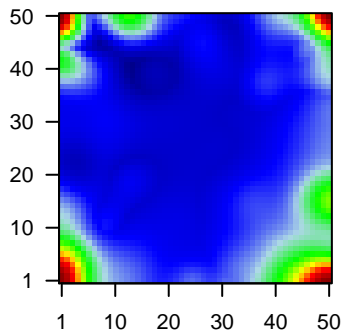
Atypical : 32 (43.2 %)

Mesenchymal : 6 (7.1 %)

Basal : 3 (3.6 %)

Overview Map

Spot

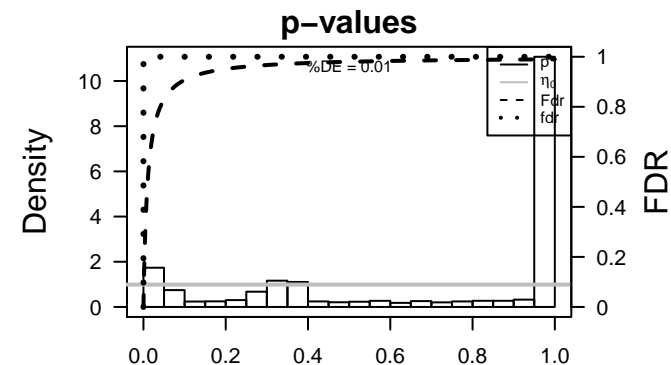
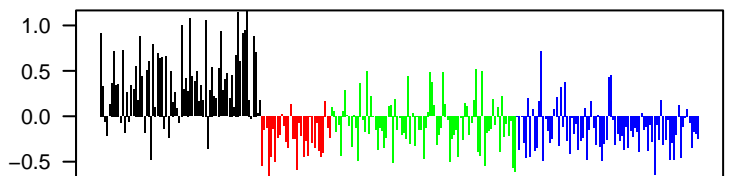


Spot Genelist

Rank	ID	max e	r	min e	Description
					Symbol
1	3127	4.47	-1.24	0.19	HLA-DRB1 major histocompatibility complex, class II, DR beta 5 [Source:HGNC Symbol;Acc:1633]
2	260436	4.41	-1.73	0.46	FDCSP follicular dendritic cell secreted protein [Source:HGNC Symbol;Acc:1633]
3	6363	3.84	-1.64	0.79	CCL19 chemokine (C-C motif) ligand 19 [Source:HGNC Symbol;Acc:1633]
4	3512	3.8	-2.52	0.56	IGJ immunoglobulin J polypeptide, linker protein for immunoglobulin heavy chain [Source:HGNC Symbol;Acc:1633]
5	3123	3.58	-1.81	0.25	HLA-DRB1 major histocompatibility complex, class II, DR beta 1 [Source:HGNC Symbol;Acc:1633]
6	347733	3.34	-1.41	0.47	TUBB2B tubulin, beta 2B class IIb [Source:HGNC Symbol;Acc:30829]
7	3620	3.29	-1.36	0.5	IDO1 indoleamine 2,3-dioxygenase 1 [Source:HGNC Symbol;Acc:1633]
8	10537	3.29	-1.89	0.78	UBD ubiquitin D [Source:HGNC Symbol;Acc:18795]
9	930	3.28	-1.12	0.82	CD19 CD19 molecule [Source:HGNC Symbol;Acc:1633]
10	5730	3.15	-1.43	0.71	PTGDS prostaglandin D2 synthase 21kDa (brain) [Source:HGNC Symbol;Acc:1633]
11	6366	3.15	-1.26	0.57	CCL21 chemokine (C-C motif) ligand 21 [Source:HGNC Symbol;Acc:1633]
12	57172	3.1	-2.31	0.69	CAMK1G calcium/calmodulin-dependent protein kinase I gamma [Source:HGNC Symbol;Acc:1633]
13	6364	3.07	-3.08	0.26	CCL20 chemokine (C-C motif) ligand 20 [Source:HGNC Symbol;Acc:1633]
14	4069	3.05	-1.52	0.62	LYZ lysozyme [Source:HGNC Symbol;Acc:6740]
15	9806	3.05	-1.59	0.84	SPOCK2 Sparc/osteonectin, cwcv and kazal-like domains proteoglycan 2 [Source:HGNC Symbol;Acc:1633]
16	4283	2.98	-1.9	0.55	CXCL9 chemokine (C-X-C motif) ligand 9 [Source:HGNC Symbol;Acc:1633]
17	962	2.92	-1.66	0.95	CD48 CD48 molecule [Source:HGNC Symbol;Acc:1683]
18	1545	2.91	-1.15	0.48	CYP1B1 cytochrome P450, family 1, subfamily B, polypeptide 1 [Source:HGNC Symbol;Acc:1633]
19	25849	2.86	-1.41	0.61	PARM1 prostate androgen-regulated mucin-like protein 1 [Source:HGNC Symbol;Acc:1633]
20	3120	2.85	-1.57	0.37	HLA-DQB1 major histocompatibility complex, class II, DQ beta 2 [Source:HGNC Symbol;Acc:1633]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	2e-97	129 / 417	H.Tis: WIRTH_Immune system
2	1e-81	130 / 553	Cancer: Lembecke_Colonc Inflammation
3	8e-47	75 / 312	BP immune response
4	7e-37	61 / 265	Glio willscher_GBM_Verhaak-CL_expression_B_up
5	7e-37	61 / 265	Glio willscher_GBM_Verhaak-MES_expression_B_up
6	7e-37	61 / 265	Glio willscher_GBM_Verhaak-PNwt_expression_B_down
7	7e-37	61 / 265	Glio willscher_GBM_Verhaak-PNmut_expression_B_down
8	5e-21	14 / 15	CC MHC class II protein complex
9	4e-20	23 / 60	BP T cell costimulation
10	1e-18	25 / 84	BP T cell receptor signaling pathway
11	1e-17	44 / 316	Cancer: SPANG_BCL6-index2
12	1e-17	154 / 2659	CC plasma membrane
13	1e-16	31 / 162	CC external side of plasma membrane
14	2e-16	43 / 327	Lymp SPANG_CD40 6hrs UP
15	3e-16	34 / 204	BP cell surface receptor signaling pathway
16	5e-16	18 / 47	BP antigen processing and presentation
17	7e-15	37 / 269	BP inflammatory response
18	1e-14	14 / 28	BP B cell receptor signaling pathway
19	1e-13	10 / 13	Cancer: GENTLES_modul18
20	3e-13	19 / 74	BP regulation of immune response
21	5e-13	10 / 14	GSE/ BIOCARTEA_NO2IL12_PATHWAY
22	7e-12	15 / 49	Glio Donson-innate immunity-associated with LTS in HGA
23	9e-12	63 / 835	CC integral to plasma membrane
24	1e-11	16 / 60	BP interferon-gamma-mediated signaling pathway
25	2e-11	28 / 204	BP cytokine-mediated signaling pathway
26	6e-11	12 / 32	Glio Donson-Misc immune function-associated with LTS in HGA
27	7e-11	18 / 87	BP antigen processing and presentation of exogenous peptide antigen via MHC class II
28	9e-11	8 / 11	GSE/ BIOCARTEA_TCYTOTOXIC_PATHWAY
29	9e-11	8 / 11	GSE/ BIOCARTEA_THELPER_PATHWAY
30	1e-10	40 / 426	Lymp SPANG_CD40 6hrs DN
31	2e-10	9 / 16	GSE/ FARMER_BREAST_CANCER_CLUSTER_1
32	2e-10	9 / 16	GSE/ SU_THYMUS
33	2e-10	22 / 140	Lymp DAVE_BL-vs-DLBCL
34	2e-10	75 / 1167	BP signal transduction
35	2e-10	11 / 28	Lymp DAVE_Immune response 1
36	3e-10	22 / 143	MF transmembrane signaling receptor activity
37	3e-10	45 / 530	BP innate immune response
38	4e-10	13 / 45	BP T cell activation
39	2e-09	8 / 14	GSE/ FINETTI_BREAST_CANCER_KINOME_GREEN
40	3e-09	11 / 35	CC trans-Golgi network membrane



Rank	p-value	#in/all	Geneset
1	0.00	1/1	immune response
2	4e-20	23/60	T cell costimulation
3	1e-18	25/84	T cell receptor signaling pathway
4	3e-16	34/204	cell surface receptor signaling pathway
5	1e-16	47/174	antigen processing and presentation
6	7e-15	37/269	inflammatory response
7	1e-14	14/28	B cell receptor signaling pathway
8	9e-14	18/74	regulation of immune response
9	1e-11	16/60	interferon-gamma-mediated signaling pathway
10	2e-11	28/204	cytokine-mediated signaling pathway
11	7e-11	18/87	antigen processing and presentation of exogenous peptide antigen via MHC class II
12	2e-10	71/167	signal transduction
13	3e-10	45/530	innate immune response
14	4e-10	13/45	T cell activation
15	9e-08	35/407	blood coagulation
16	4e-08	15/43	positive regulation of T cell proliferation
17	2e-08	30/336	intracellular signal transduction
18	1e-07	16/106	leukocyte migration
19	2e-07	16/111	chemotaxis
20	3e-07	13/76	defense response

Rank	p-value	#in/all	Geneset
1	0.00	1/1	CHRS16_MHC_QBL
2	4e-03	50/1135	CHRS16_MHC_QBL
3	1e-01	21/286	CHRS16_MHC_DBB
4	3e-01	22/630	Chr X
5	3e-01	31/957	Chr 11
6	4e-01	29/866	Chr 12
7	5e-01	16/534	Chr 8
8	5e-01	18/602	Chr 10
9	6e-01	15/513	Chr 14
10	6e-01	30/1033	Chr 2
11	6e-01	50/1720	Chr 1
12	7e-01	19/689	Chr 21
13	7e-01	20/743	Chr 5
14	7e-01	19/714	Chr 6
15	8e-01	18/714	Chr 16
16	8e-01	23/914	Chr 3
17	8e-01	6/280	Chr 13

Rank	p-value	#in/all	Geneset
1	6e-13	10/14	BIOCARTA_NO2L12_PATHWAY
2	9e-11	18/11	BIOCARTA_TCYTOTOXIC_PATHWAY
3	9e-11	21/286	BIOCARTA_THELPER_PATHWAY
4	9e-10	9/16	FARMER_BREAST_CANCER_CLUSTER_1
5	2e-10	9/16	SU_THYMUS
6	2e-08	9/16	FINEARTS_BREAST_CANCER_KINOME_GREEN
7	1e-08	7/12	BIOCARTA_CTL_PATHWAY
8	2e-08	6/8	BIOCARTA_TCRA_PATHWAY
9	7e-08	7/13	BIOCARTA_IL17_PATHWAY
10	6e-08	7/13	BIOCARTA_IL17_PATHWAY
11	1e-07	7/15	FINAK_BREAST_CANCER_SDPD_SIGNATURE
12	1e-07	7/15	BIOCARTA_TCR_PATHWAY
13	1e-07	6/11	FINAKER_BIOPSY_KIDNEY_TRANSPLANT_REJECTED_VS_OK_UP
14	2e-07	6/16	PARK_TRETINOIN_RESPONSE_AND_PML_RARA_FUSION
15	3e-07	6/11	PAPASPYRIDONOS_UNSTABLE_ATEROSCLEROTIC_PLAQUE_UP
16	3e-07	6/11	WILENSKY_RESPONSE_TO_DARAPLADIB
17	5e-07	6/12	ZENKAI_MULTIPLE_MYELOMA_DN
18	1e-06	6/13	HAHTOLA_CTL_PATHOGENESIS
19	1e-06	5/8	NIELSEN_SYNOVAL_SARCOMA_DN
20	1e-06	5/8	BIOCARTA_TCAOPTOSIS_PATHWAY

Rank	p-value	#in/all	Geneset
1	0.00	1/1	chemokine signaling receptor activity
2	4e-07	10/43	chemokine activity
3	3e-06	9/41	non-membrane spanning protein tyrosine kinase activity
4	3e-06	289/8023	protein binding
5	1e-05	7/227	receptor activity
6	1e-05	7/227	antigen binding
7	2e-05	13/107	SH3 domain binding
8	1e-04	39/50	SH2 adaptor activity
9	4e-04	5/24	coreceptor activity
10	2e-04	5/31	cytokine receptor activity
11	3e-04	5/20	SH2 domain binding
12	3e-03	17/270	phosphatidylinositol-3-kinase binding
13	4e-03	4/22	signal transducer activity
14	4e-03	4/22	Rab guanyl-nucleotide exchange factor activity
15	4e-03	8/86	guanyl-nucleotide exchange factor activity
16	1e-03	8/86	Rac GTPase activator activity
17	3e-03	27/529	protein homodimerization activity
18	6e-03	9/110	heme binding
19	6e-03	17/288	protein kinase binding
20	6e-03	3/13	phosphotyrosine binding

Rank	p-value	#in/all	Geneset
1	0.02	1/1	miR-155
2	0.06	2/13	miR-34a
3	0.06	1/1	miR-193a
4	0.14	1/5	miR-154
5	0.14	1/5	miR-205
6	0.14	1/5	miR-93
7	0.17	0/6	miR-26a
8	1.00	0/6	let-7a
9	1.00	0/6	let-7b
10	1.00	0/4	let-7c
11	1.00	0/4	let-7d
12	1.00	0/4	let-7g
13	1.00	0/13	miR-1
14	1.00	0/5	miR-101
15	1.00	0/4	miR-101b
16	1.00	0/4	miR-106b
17	1.00	0/2	miR-107
18	1.00	0/2	miR-122
19	1.00	0/2	miR-124a
20	1.00	0/6	miR-125a

Rank	p-value	#in/all	Geneset
1	0.3	1/11	BENTINK_ras.2
2	0.3	1/13	BENTINK_ras.4
3	0.3	1/13	BENTINK_ras.10
4	1.0	0/13	GUSTAFSON_P13K_UP
5	1.0	0/15	GUSTAFSON_P13K_DN
6	1.0	0/15	BENTINK_e2b3.1
7	1.0	0/14	BENTINK_myc.1
8	1.0	0/12	BENTINK_ras.1
9	1.0	0/15	BENTINK_ras.6
10	1.0	0/14	BENTINK_ras.7
11	NA	0/0	BENTINK_ras.8
12	NA	0/0	BENTINK_ras.9
13	NA	0/0	BENTINK_ras.11
14	NA	0/0	BENTINK_ras.12
15	NA	0/0	BENTINK_ras.13
16	NA	0/0	BENTINK_ras.14
17	NA	0/0	BENTINK_ras.15
18	NA	0/0	BENTINK_ras.16
19	NA	0/0	BENTINK_ras.17
20	NA	0/0	BENTINK_ras.18

Rank	p-value	#in/all	Geneset
1	1e-11	16/17	IL6 signaling
2	1e-11	44/316	IL6 signaling
3	1e-10	130/353	IL6 signaling
4	2e-07	21/185	IL6 signaling
5	1e-03	4/13	IL6 signaling
6	2e-02	2/7	ZHANG_MGUS up
7	3e-01	2/33	KUIPER_MM good survival
8	3e-01	1/13	GENTLES_modu17
9	3e-01	1/13	GENTLES_modu17
10	3e-01	1/14	WANG_ER UP
11	4e-01	1/15	LIU_PROSTATE_CANCER_DN
12	4e-01	1/15	GENTLES_modu13
13	4e-01	1/16	RHODES_UNDIFFERENTIATED_CANCER
14	9e-01	1/68	SHAUGHNESSY_MM high risk
15	1e+00	5/530	Lombcke_Normal vs Adenoma 5
16	1e+00	1/1	RHODES_CANCER_MET_A_SIGNATURE
17	1e+00	0/15	SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_DN
18	1e+00	0/15	SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_UP
19	1e+00	0/10	BREAST_CANCER
20	1e+00	0/14	LIU_COMMON_CANCER_GENES

Rank	p-value	#in/all	Geneset
1	0.00	1/1	IL6 signaling
2	0.181	2/26	BCHETNIA_EBM-DM up
3	0.834	7/375	GDUIL_restriction down
4	1.000	0/2	BCHETNIA_EBM up
5	1.000	0/2	BCHETNIA_EBM down
6	NA	0/0	WIRTH_Immune system
7	NA	0/0	WIRTH_Bone marrow
8	NA	0/0	WIRTH_Thalamus
9	NA	0/0	WIRTH_Hippocampus
10	NA	0/0	WIRTH_Muscle
11	NA	0/0	WIRTH_Nervous system
12	NA	0/0	WIRTH_Pituitary gland
13	NA	0/0	WIRTH_Pancreas
14	NA	0/0	WIRTH_Sec. lymphoid organs
15	NA	0/0	WIRTH_Prim. lymphoid organs
16	NA	0/0	WIRTH_B-cells
17	NA	0/0	WIRTH_Tonsils
18	NA	0/0	WIRTH_Thymus
19	NA	0/0	WIRTH_Lymphocytes
20	NA	0/0	WIRTH_Globus pallidus
21	NA	0/0	WIRTH_Telencephalon
22	NA	0/0	WIRTH_Cortex cerebri
23	NA	0/0	WIRTH_Cerebellum
24	NA	0/120	WIRTH_Testis
25	NA	0/50	WIRTH_Homeostasis

Rank	p-value	#in/all	Geneset
1	2e-97	129/411	WIRTH_Immune system
2	2e-01	1/6	WIRTH_Thalamus
3	4e-01	1/16	WIRTH_Hippocampus
4	1e+00	1/127	WIRTH_Muscle
5	1e+00	5/340	WIRTH_Nervous system
6	1e+00	0/5	WIRTH_Pituitary gland
7	1e+00	0/26	WIRTH_Pancreas
8	1e+00	0/13	WIRTH_Sec. lymphoid organs
9	1e+00	0/12	WIRTH_Prim. lymphoid organs
10	1e+00	0/10	WIRTH_B-cells
11	1e+00	0/13	WIRTH_Tonsils
12	1e+00	0/13	WIRTH_Thymus
13	1e+00	0/13	WIRTH_Lymphocytes
14	1e+00	0/14	WIRTH_Globus pallidus
15	1e+00	0/15	WIRTH_Telencephalon
16	1e+00	0/13	WIRTH_Cortex cerebri
17	1e+00	0/15	WIRTH_Cerebellum
18	1e+00	0/120	WIRTH_Testis
19	1e+00	0/50	WIRTH_Homeostasis

Rank	p-value	#in/all	Geneset
1	0.02	9/102	CTGA-24
2	0.10	9/182	CGCT-503
3	0.10	2/18	CGTC-208
4	0.17	1/6	TAGA-182
5	0.22	4/81	AACT-223
6	0.24	2/31	ACCA-509
7	0.24	1/3	GGAT-125B-125A
8	0.25	10/261	ATGT-221-222
9	0.34	4/98	CCTC-513
10	0.34	1/15	CCTC-513
11	0.41	3/78	GTA-410
12	0.42	4/110	CGAC-512-3P
13	0.43	3/80	GAGC-484
14	0.43	1/19	CGAC-480-5P
15	0.45	3/83	CGAC-18A-18B
16	0.45	3/83	AGGA-516-3P
17	0.45	8/20	GTGC-189
18	0.45	8/27	GTGC-98

Rank	p-value	#in/all	Geneset
1	0.02	1/18	hsa-miR-551a
2	0.05	2/12	hsa-miR-639
3	0.08	4/52	hsa-miR-113a-5p
4	0.08	3/34	hsa-miR-122a
5	0.09	2/17	hsa-miR-551b
6	0.14	4/68	hsa-miR-193b
7	0.15	4/75	hsa-miR-639
8	0.17	1/3	hsa-miR-1292
9	0.24	2/31	hsa-miR-617
10	0.24	3/57	hsa-miR-193a-3p
11	0.27	1/58	hsa-miR-324-3p
12	0.26	4/86	hsa-miR-220c
13	0.26	3/59	hsa-miR-296-3p
14	0.26	2/33	hsa-miR-1231
15	0.27	1/10	hsa-miR-306
16	0.27	2/34	hsa-miR-615-5p
17	0.27	3/61	hsa-miR-1200
18	0.27	4/608	hsa-miR-608
19	0.28	4/95	hsa-miR-1269
20	0.28	1/11	hsa-miR-604

Rank	p-value	#in/all	Geneset
1	0.2	1/9	HEBENSTREIT_high expression TF
2	0.3	36/1095	HEBENSTREIT_high expression TF
3	0.3	1/14	NOWICK_TF
4	0.9	1/63	MYC_targets UP
5	0.9	26/1146	HEBENSTREIT_low expression TF
6	1.0	13/11233	KIM1_MYC targets
7	1.0	0/5	MYC_TFs
8	1.0	0/9	MYC_targets DOWN
9	1.0	0/4	MYC_Apoptosis UP
10	1.0	0/2	MYC_Cell cycle DOWN
11	1.0	0/4	MYC_Cell growth and proliferation UP
12	1.0	0/2	MYC_Chromatin_modification UP
13	1.0	0/7	MYC_DNA repair UP
14	1.0	0/3	MYC_DNA replication UP
15	1.0	0/2	MYC_ECM cell adhesion DOWN
16	1.0	0/20	MYC_Metabolism UP
17	1.0	0/16	MYC_Protein synthesis degradation UP
18	1.0	0/8	MYC_RNA processing binding UP
19	1.0	0/2	MYC_Signal transduction UP
20	1.0	0/3	MYC_Tumor suppressor genes UP

Rank	p-value	#in/all	Geneset
1	1e-17	154/2659	plasma membrane
2	1e-16	31/162	external side of plasma membrane
3	9e-12	63/835	integral to plasma membrane
4	1e-09	1/33	trans-Golgi network membrane
5	4e-09	9/21	clathrin-coated endocytic vesicle membrane
6	1e-08	9/23	integral to luminal side of endoplasmic reticulum membrane
7	3e-08	9/24	immunological synapse
8	3e-08	22/184	lysosome
9	7e-08	9/28	transport vesicle membrane
10	8e-08	11/146	endocytic vesicle membrane
11	1e-07	94/1837	membran
12	2e-07	46/683	extracellular space
13	3e-07	9/32	ER to Golgi transport vesicle membrane
14	5e-07	6/17	T cell receptor complex
15	2e-06	1/215	axosomal membrane
16	7e-06	15/129	membrane raft
17	1e-04	131/3274	integral to membrane
18	2e-04	57/1182	extracellular region
19	2e-04	9/70	endomembrane system

Rank	p-value	#in/all	Geneset
1	7e-37	61/263	willscher_GBM_Verhaak-CL_expression_B_up
2	7e-37	61/265	willscher_GBM_Verhaak-MES_expression_B_up
3	7e-37	61/265	willscher_GBM_Verhaak-PNwt_expression_B_down
4	7e-37	61/265	willscher_GBM_Verhaak-PNmt_expression_B_down
5	7e-12	15/49	Donson-innate immunity-associated with LTS in HGA
6	6e-11	12/32	Donson-Misc immune function-associated with LTS in HGA
7	2e-09	6/5	Donson-migration tethering and rolling-associated with LTS in HGA
8	1e-07	7/5	Donson-chemokines/cytokines-associated with LTS in HGA
9	3e-		

Group Overexpression

Spot Summary: B

metagenes = 31
genes = 446

<r> metagenes = 0.92
<r> genes = 0.32
beta: r2= 21.52 / log p= -Inf

samples with spot = 30 (10.9 %)
Atypical : 1 (1.4 %)
Mesenchymal : 28 (32.9 %)
Basal : 1 (1.2 %)

Spot Genelist

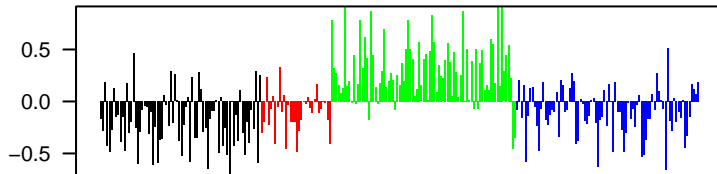
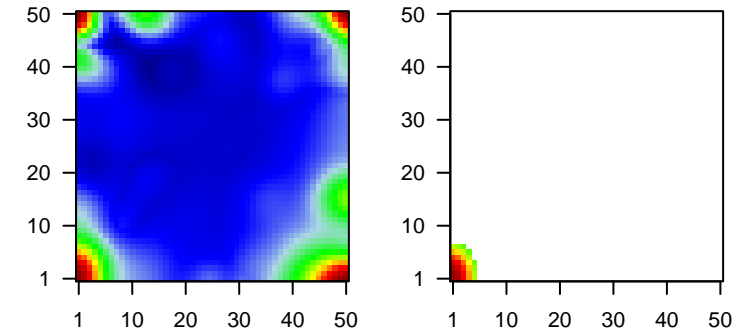
Rank	ID	max e	r	min e	Description
					Symbol
1	4319	4.09	-2.68	0.57	MMP10 matrix metallopeptidase 10 (stromelysin 2) [Source:HGNC Sy
2	12	3.84	-2.36	0.4	RP11-986E7.7
3	3040	3.64	-2.76	0.32	HBA2 hemoglobin, alpha 2 [Source:HGNC Symbol;Acc:4824]
4	401138	3.58	-1.16	0.28	AMTN amelotin [Source:HGNC Symbol;Acc:33188]
5	6696	3.4	-1.67	0.39	SPP1 secreted phosphoprotein 1 [Source:HGNC Symbol;Acc:1125]
6	4316	3.39	-2.29	0.41	MMP7 matrix metallopeptidase 7 (matrilysin, uterine) [Source:HGNC
7	4322	3.32	-1.16	0.59	MMP13 matrix metallopeptidase 13 (collagenase 3) [Source:HGNC S
8	4314	3.31	-3.02	0.71	MMP3 matrix metallopeptidase 3 (stromelysin 1, progelatinase) [Sou
9	3569	3.28	-1.5	0.62	IL6 interleukin 6 (interferon, beta 2) [Source:HGNC Symbol;Acc:f
10	3043	3.2	-3.29	0.32	HBB hemoglobin, beta [Source:HGNC Symbol;Acc:4827]
11	3039	3.15	-1.75	0.3	HBA2 hemoglobin, alpha 2 [Source:HGNC Symbol;Acc:4824]
12	6374	3.14	-0.9	0.59	CXCL5 chemokine (C-X-C motif) ligand 5 [Source:HGNC Symbol;Ac
13	3553	3.13	-2.37	0.54	IL1B interleukin 1, beta [Source:HGNC Symbol;Acc:5992]
14	414062	3.13	-2.13	0.52	CCL3L3 chemokine (C-C motif) ligand 3-like 3 [Source:HGNC Symbc
15	6372	3.07	-1.65	0.49	CXCL6 chemokine (C-X-C motif) ligand 6 [Source:HGNC Symbol;Ac
16	55107	3.05	-2.27	0.44	ANO1 anoctamin 1, calcium activated chloride channel [Source:HGf
17	2201	2.99	-1.35	0.29	FBN2 fibrillin 2 [Source:HGNC Symbol;Acc:3604]
18	3576	2.96	-2.98	0.58	IL8 interleukin 8 [Source:HGNC Symbol;Acc:6025]
19	4320	2.88	-1.94	0.49	MMP11 matrix metallopeptidase 11 (stromelysin 3) [Source:HGNC Sy
20	8988	2.87	-1.41	0.38	HSPB3 heat shock 27kDa protein 3 [Source:HGNC Symbol;Acc:524E

Geneset Overrepresentation

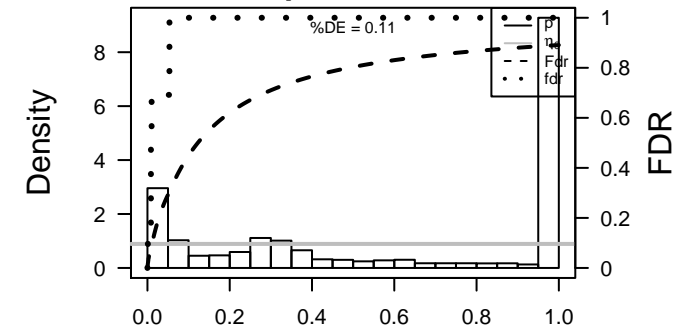
Rank	p-value	#in/all	Geneset
1	1e-69	84 / 250	LympL LENZ_Stromal signature 1
2	1e-65	80 / 242	BP extracellular matrix organization
3	6e-57	67 / 190	CC extracellular matrix
4	1e-56	143 / 1182	CC extracellular region
5	2e-42	96 / 683	CC extracellular space
6	4e-36	80 / 553	Cancer Lembecke_Colonc Inflammation
7	7e-35	68 / 403	BP cell adhesion
8	1e-33	33 / 69	BP extracellular matrix disassembly
9	5e-30	52 / 265	Glio wilscher_GBM_Verhaak-CL_expression_B_up
10	5e-30	52 / 265	Glio wilscher_GBM_Verhaak-MES_expression_B_up
11	5e-30	52 / 265	Glio wilscher_GBM_Verhaak-PNwt_expression_B_down
12	5e-30	52 / 265	Glio wilscher_GBM_Verhaak-PNmut_expression_B_down
13	8e-29	29 / 64	BP collagen catabolic process
14	3e-27	42 / 183	CC proteinaceous extracellular matrix
15	4e-23	15 / 16	MMM MACIEJ_MMML 1
16	3e-22	27 / 83	CC basement membrane
17	1e-21	23 / 57	MF extracellular matrix structural constituent
18	6e-17	12 / 15	GSE/ CROMER_TUMORIGENESIS_UP
19	1e-16	33 / 204	BP angiogenesis
20	2e-16	12 / 16	GSE/ FARMER_BREAST_CANCER_CLUSTER_5
21	5e-16	16 / 37	BP collagen fibril organization
22	8e-16	28 / 153	CC endoplasmic reticulum lumen
23	1e-15	25 / 119	Lymp ROSOLOWSKI_green total
24	6e-15	12 / 19	MF extracellular matrix binding
25	6e-15	21 / 85	MF integrin binding
26	4e-14	38 / 330	CC cell surface
27	7e-14	23 / 117	Glio GIEZELT_GBM_WT_up_VS_mut
28	2e-13	18 / 68	CC collagen
29	4e-13	9 / 11	Glio Phillips MES up vs Prolif & PN
30	5e-13	18 / 72	CC extracellular vesicular exosome
31	5e-13	10 / 15	GSE/ ONDER_CDH1_TARGETS_2_UP
32	2e-12	17 / 68	Glio cultured astroglia vs. in vivo astrocytes
33	3e-12	13 / 35	Glio Colman_survival_associated
34	5e-12	9 / 13	GSE/ MAHADEVAN_GIST_MORPHOLOGICAL_SWITCH
35	3e-11	38 / 407	BP blood coagulation
36	9 / 15	9 / 15	GSE/ ONDER_CDH1_SIGNALING_VIA_CTNNB1
37	3e-11	9 / 15	GSE/ MASRI_RESISTANCE_TO_TAMOXIFEN_AND_AROMATASE_INHIBITOR
38	4e-11	8 / 11	MF platelet-derived growth factor binding
39	5e-11	30 / 269	BP inflammatory response
40	7e-11	9 / 16	MF fibronectin binding

Overview Map

Spot



p-values



Group Overexpression

Spot Summary: C

metagenes = 12
genes = 187

<r> metagenes = 0.97
<r> genes = 0.47
beta: r2= 70.9 / log p= -Inf

samples with spot = 83 (30.2 %)
Atypical : 6 (8.1 %)
Classical : 1 (3.1 %)
Mesenchymal : 7 (8.2 %)
Basal : 69 (82.1 %)

Spot Genelist

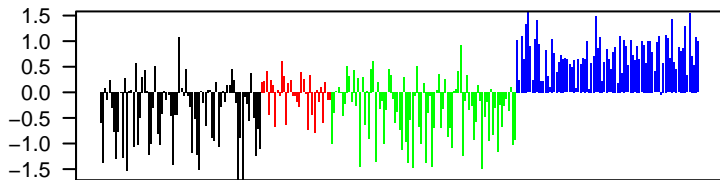
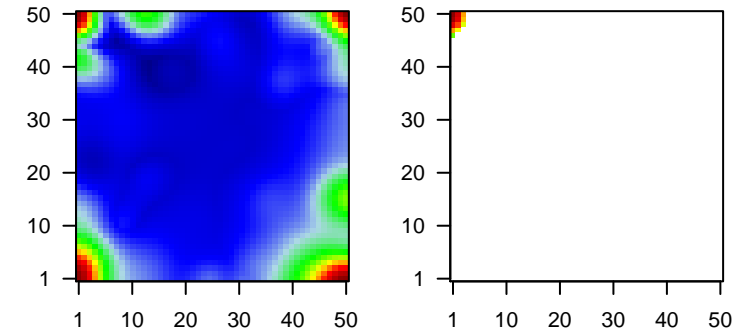
Rank	ID	max e	r	min e	Description
					Symbol
1	3848	4.75	-1.88	0.67	KRT1 keratin 1 [Source:HGNC Symbol;Acc:6412]
2	3851	4.24	-3.19	0.57	KRT4 keratin 4 [Source:HGNC Symbol;Acc:6441]
3	49860	4.24	-3.23	0.72	CRNN cornulin [Source:HGNC Symbol;Acc:1230]
4	4118	3.95	-3.23	0.61	MAL mal, T-cell differentiation protein [Source:HGNC Symbol;Acc:6663]
5	4014	3.86	-0.97	0.38	LOR loricrin [Source:HGNC Symbol;Acc:6663]
6	1673	3.84	-3.54	0.67	DEFB4B defensin, beta 4B [Source:HGNC Symbol;Acc:30193]
7	6701	3.84	-2.1	0.75	SPRR2B small proline-rich protein 2B [Source:HGNC Symbol;Acc:112]
8	6947	3.77	-1.96	0.46	TCN1 transcobalamin I (vitamin B12 binding protein, R binder family)
9	414325	3.77	-2.67	0.71	DEFB103B defensin, beta 103B [Source:HGNC Symbol;Acc:31702]
10	6706	3.74	-3.05	0.71	SPRR2G small proline-rich protein 2G [Source:HGNC Symbol;Acc:112]
11	57152	3.69	-1.77	0.81	SLURP1 secreted LY6/PLAUR domain containing 1 [Source:HGNC Symbol;Acc:112]
12	2877	3.69	-3.11	0.44	GPX2 glutathione peroxidase 2 (gastrointestinal) [Source:HGNC Symbol;Acc:112]
13	338324	3.66	-2.9	0.68	S100A7AS100 calcium binding protein A7A [Source:HGNC Symbol;Acc:112]
14	7053	3.52	-3.39	0.81	TGM3 transglutaminase 3 [Source:HGNC Symbol;Acc:11779]
15	1828	3.51	-1.97	0.78	DSG1 desmoglein 1 [Source:HGNC Symbol;Acc:3048]
16	55894	3.4	-1.83	0.73	DEFB103B defensin, beta 103B [Source:HGNC Symbol;Acc:31702]
17	8644	3.37	-2.96	0.4	AKR1C3 aldo-keto reductase family 1, member C3 [Source:HGNC Symbol;Acc:112]
18	84651	3.36	-1.82	0.74	SPINK7 serine peptidase inhibitor, Kazal type 7 (putative) [Source:HGNC Symbol;Acc:112]
19	84648	3.36	-2.37	0.72	LCE3D late cornified envelope 3D [Source:HGNC Symbol;Acc:16615]
20	29113	3.29	-1.18	0.39	C6orf15 chromosome 6 open reading frame 15 [Source:HGNC Symbol;Acc:112]

Geneset Overrepresentation

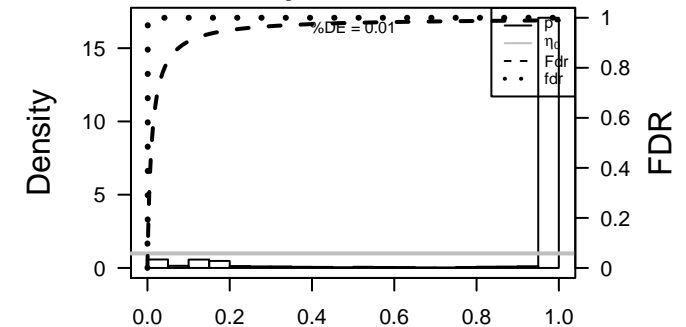
Rank	p-value	#in/all	Geneset
1	1e-99	77 / 135	H.Tis: WIRTH_Mucosa
2	7e-75	85 / 572	Disea GUDJ_psooriasis up
3	4e-33	18 / 21	CC cornified envelope
4	1e-31	23 / 53	BP keratinocyte differentiation
5	1e-26	19 / 42	BP keratinization
6	1e-25	22 / 76	BP epidermis development
7	7e-17	50 / 1182	CC extracellular region
8	2e-15	10 / 19	BP peptide cross-linking
9	2e-14	20 / 186	MF structural molecule activity
10	6e-12	13 / 82	CC intermediate filament
11	4e-11	8 / 21	CC desmosome
12	7e-11	12 / 79	MF serine-type endopeptidase inhibitor activity
13	1e-10	7 / 15	GSE/ WANG_BARRETTS_ESOPHAGUS_AND_ESOPHAGUS_CANCER_DN
14	3e-10	10 / 52	BP negative regulation of endopeptidase activity
15	3e-10	39 / 1146	TF HEBENSTREIT_low expression TF
16	1e-09	9 / 44	CC keratin filament
17	3e-09	6 / 13	BP negative regulation of peptidase activity
18	8e-09	6 / 15	GSE/ HINATA_NFKB_TARGETS_KERATINOCYTE_DN
19	1e-08	12 / 122	MF serine-type endopeptidase activity
20	1e-08	6 / 16	GSE/ SENGUPTA_NASOPHARYNGEAL_CARCINOMA_DN
21	1e-08	6 / 16	GSE/ WANG_BARRETTS_ESOPHAGUS_DN
22	1e-08	6 / 16	GSE/ ONDER_CDH1_TARGETS_3_DN
23	1e-08	6 / 16	GSE/ HUPER_BREAST_BASAL_VS_LUMINAL_UP
24	1e-08	6 / 16	GSE/ CROMER_TUMORIGENESIS_DN
25	2e-08	7 / 29	BP regulation of proteolysis
26	4e-08	5 / 10	MF RAGE receptor binding
27	7e-07	24 / 683	CC extracellular space
28	1e-06	7 / 51	MF protein binding, bridging
29	3e-06	4 / 10	GSE/ REACTOME_APOPTOTIC_CLEAVAGE_OF_CELL_ADHESION_PROTEIN
30	4e-06	6 / 38	BP epithelial cell differentiation
31	2e-05	7 / 73	BP defense response to bacterium
32	2e-05	4 / 15	MF retinol dehydrogenase activity
33	2e-05	4 / 15	GSE/ AIGNER_ZEB1_TARGETS
34	2e-05	4 / 15	GSE/ LIN_SILENCED_BY_TUMOR_MICROENVIRONMENT
35	2e-05	4 / 15	GSE/ LEE_LIVER_CANCER_MYC_E2F1_UP
36	2e-05	4 / 15	GSE/ CHANG_IMMORTALIZED_BY_HPV31_DN
37	2e-05	4 / 16	GSE/ HAHTOLA_MYCOSIS_FUNGOIDES_SKIN_DN
38	2e-05	4 / 16	GSE/ COLDREN_GEFITINIB_RESISTANCE_DN
39	2e-05	4 / 16	GSE/ LEE_LIVER_CANCER_MYC_TGFA_UP
40	3e-05	6 / 53	MF serine-type peptidase activity

Overview Map

Spot



p-values



Group Overexpression

Spot Summary: D

metagenes = 17
genes = 242

<r> metagenes = 0.95
<r> genes = 0.27
beta: r2= 13.09 / log p= -Inf

samples with spot = 18 (6.5 %)
Atypical : 2 (2.7 %)
Classical : 13 (40.6 %)
Mesenchymal : 1 (1.2 %)
Basal : 2 (2.4 %)

Spot Genelist

Rank	ID	max e	r	min e	Description
					Symbol
1	4922	5.09	-1.67	0.69	NTS neurotensin [Source:HGNC Symbol;Acc:8038]
2	2938	3.6	-1.05	0.56	GSTA2 glutathione S-transferase alpha 2 [Source:HGNC Symbol;Acc:1848]
3	3880	3.42	-4.05	0.56	KRT19 keratin 19 [Source:HGNC Symbol;Acc:6436]
4	3866	3.23	-3.16	0.46	KRT15 keratin 15 [Source:HGNC Symbol;Acc:6421]
5	1056	3.22	-1.53	0.5	CEL carboxyl ester lipase [Source:HGNC Symbol;Acc:1848]
6	7345	3	-1.41	0.43	UCHL1 ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)
7	216	2.99	-2.41	0.63	ALDH1A1 aldehyde dehydrogenase 1 family, member A1 [Source:HGNC Symbol;Acc:1848]
8	83888	2.98	-0.56	0.37	FGFBP2 fibroblast growth factor binding protein 2 [Source:HGNC Symbol;Acc:1848]
9	154664	2.78	-1.49	0.67	ABCA13 ATP-binding cassette, sub-family A (ABC1), member 13 [Source:HGNC Symbol;Acc:1848]
10	2944	2.69	-1.57	0.43	GSTM1 glutathione S-transferase mu 1 [Source:HGNC Symbol;Acc:1848]
11	339512	2.68	-1.34	0.5	C1orf110 chromosome 1 open reading frame 110 [Source:HGNC Symbol;Acc:1848]
12	3856	2.63	-2.21	0.46	KRT8P3 keratin 8 pseudogene 3 [Source:HGNC Symbol;Acc:31056]
13	26047	2.62	-1.61	0.31	CNTNAP2 contactin associated protein-like 2 [Source:HGNC Symbol;Acc:1848]
14	2719	2.58	-0.74	0.53	GPC3 glypican 3 [Source:HGNC Symbol;Acc:4451]
15	84171	2.55	-1.19	0.37	LOXL4 lysyl oxidase-like 4 [Source:HGNC Symbol;Acc:17171]
16	11166	2.55	-1.98	0.68	SOX21 SRY (sex determining region Y)-box 21 [Source:HGNC Symbol;Acc:1848]
17	4072	2.5	-2.3	0.71	EPCAM epithelial cell adhesion molecule [Source:HGNC Symbol;Acc:1848]
18	139728	2.48	-1.61	0.51	PNCK pregnancy up-regulated nonubiquitous CaM kinase [Source:HGNC Symbol;Acc:1848]
19	4915	2.4	-1.19	0.75	NTRK2 neurotrophic tyrosine kinase, receptor, type 2 [Source:HGNC Symbol;Acc:1848]
20	2947	2.4	-0.99	0.43	GSTM3 glutathione S-transferase mu 3 (brain) [Source:HGNC Symbol;Acc:1848]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	3e-28	66 / 914	Chr Chr 3
2	6e-09	46 / 1253	BP small molecule metabolic process
3	2e-08	13 / 119	BP xenobiotic metabolic process
4	2e-08	8 / 34	BP glutathione metabolic process
5	1e-06	5 / 14	GSE/ PUJANA_BRCA_CENTERED_NETWORK
6	1e-06	6 / 25	BP glutathione derivative biosynthetic process
7	2e-06	5 / 15	GSE/ KEGG_Glutathione_Metabolism
8	8e-06	5 / 20	MF glutathione transferase activity
9	3e-05	4 / 13	BP regulation of blood vessel size
10	3e-05	4 / 13	GSE/ PUJANA_XPRSS_INT_NETWORK
11	3e-05	4 / 13	GSE/ KEGG_Metabolism_of_Xenobiotics_by_Cytochrome_P450
12	4e-05	11 / 167	BP cellular nitrogen compound metabolic process
13	4e-05	4 / 14	GSE/ VANTVEER_BREAST_CANCER_METASTASIS_DN
14	5e-05	4 / 15	GSE/ UDAYAKUMAR_MED1_TARGETS_UP
15	5e-05	4 / 15	GSE/ RICKMAN_HEAD_AND_NECK_CANCER_E
16	5e-05	4 / 15	GSE/ MMS_MOUSE_LYMPH_HIGH_4HRS_UP
17	5e-05	4 / 15	GSE/ REACTOME_Glutathione_Conjugation
18	6e-05	3 / 6	GSE/ MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_7
19	7e-05	4 / 16	GSE/ RODWELL_AGING_KIDNEY_DN
20	1e-04	4 / 19	BP cellular amino acid biosynthetic process
21	2e-04	3 / 8	GSE/ LIU_CDX2_TARGETS_DN
22	2e-04	14 / 304	CC mitochondrial inner membrane
23	2e-04	3 / 9	GSE/ BROWNE_HCMV_INFECTION_8HR_UP
24	2e-04	3 / 9	GSE/ REACTOME_Metabolism_of_Amino_Acids
25	3e-04	5 / 41	MF oxidoreductase activity, acting on the CH-OH group of donors, NAD or NADP as oxidant
26	3e-04	4 / 23	BP apoptotic mitochondrial changes
27	5e-04	3 / 11	MF glutathione binding
28	5e-04	3 / 11	GSE/ O'DONNELL_TFRCC_TARGETS_DN
29	5e-04	3 / 11	GSE/ ITO_PTTG1_TARGETS_UP
30	5e-04	3 / 11	GSE/ KEGG_DRUG_Metabolism_Cytochrome_P450
31	5e-04	4 / 26	BP sulfur amino acid metabolic process
32	6e-04	3 / 12	GSE/ BROCKE_APOPTOSIS_REVERSED_BY_IL6
33	6e-04	3 / 12	GSE/ HELLER_SILENCED_BY_METHYLATION_DN
34	6e-04	3 / 12	GSE/ KAYO_AGING_MUSCLE_UP
35	8e-04	3 / 13	GSE/ JAERVINEN_AMPLIFIED_IN_LARYNGEAL_CANCER
36	8e-04	3 / 13	GSE/ COLLIER_MYC_TARGETS_UP
37	1e-03	3 / 14	GSE/ TIEN_INTESTINE_PROBIOTICS_6HR_DN
38	1e-03	3 / 14	GSE/ KORKOLA_YOLK_SAC_TUMOR
39	1e-03	3 / 14	GSE/ CHIARETTI_T_ALL_REFRACTORY_TO_THERAPY
40	1e-03	53 / 2378	CC cytosol

Overview Map

Spot

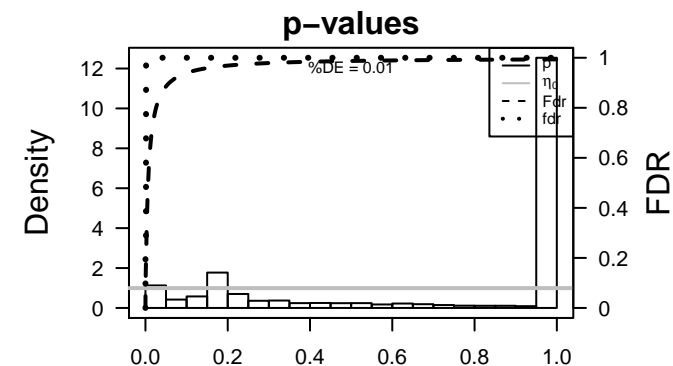
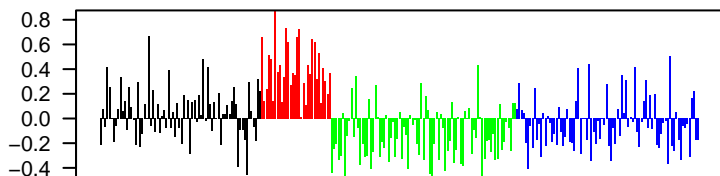
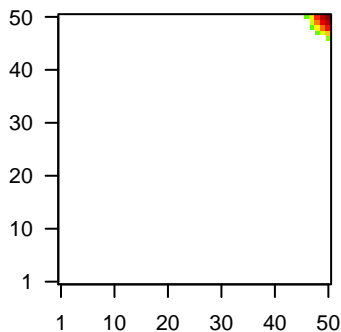
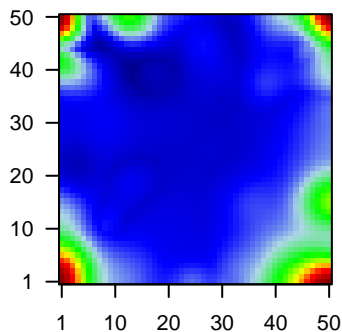


Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists metabolic processes like glycolysis, gluconeogenesis, and lipid metabolism.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists cancer-related genes like TP53, KRAS, and EGFR.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists cancer meta signatures like LIU_COMMON_CANCER_GENES and RHOES_UNDIFFERENTIATED_CANCER.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists mitochondrial and cellular processes like mitochondrial inner membrane and cytosol.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists cellular and organelle processes like cytosol, mitochondrion, and Golgi apparatus.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists chromosomes and genomic features like Chr X, Chr Y, and Chr 1.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists disease-related genes like GATA1, HES6, and GATA2.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists disease-related genes like GATA1, HES6, and GATA2.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists cellular and developmental processes like cell proliferation and cell cycle.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists cellular and developmental processes like cell proliferation and cell cycle.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists network and metabolic pathways like PUJANA_BRCA_CENTERED_NETWORK and KEGG_METABOLISM_OF_XENOBIOTICS.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists disease-related genes like GATA1, HES6, and GATA2.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists disease-related genes like GATA1, HES6, and GATA2.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists lymphoma-related genes like BCL2, CD20, and CD5.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists lymphoma-related genes like BCL2, CD20, and CD5.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists enzyme activities like oxidoreductase activity and transferase activity.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists disease-related genes like GATA1, HES6, and GATA2.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists disease-related genes like GATA1, HES6, and GATA2.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists disease-related genes like GATA1, HES6, and GATA2.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists disease-related genes like GATA1, HES6, and GATA2.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists miRNAs like miR-1, miR-15, and miR-145.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists disease-related genes like GATA1, HES6, and GATA2.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists disease-related genes like GATA1, HES6, and GATA2.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists disease-related genes like GATA1, HES6, and GATA2.

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Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists pathway activation like BENTINK_src2 and GUSTAFSON_Pi3K_UP.

Table with 4 columns: Rank, p-value, #in/all, Geneset. Lists disease-related genes like GATA1, HES6, and GATA2.

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Group Overexpression

Spot Summary: E

metagenes = 4
genes = 94

<r> metagenes = 0.99

<r> genes = 0.39

beta: r2= 10.3 / log p= -Inf

samples with spot = 33 (12 %)

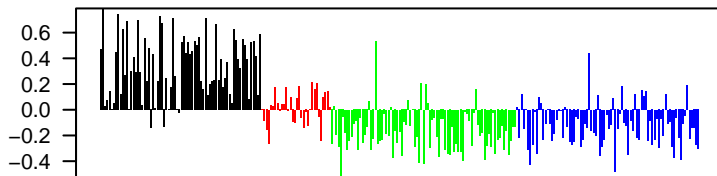
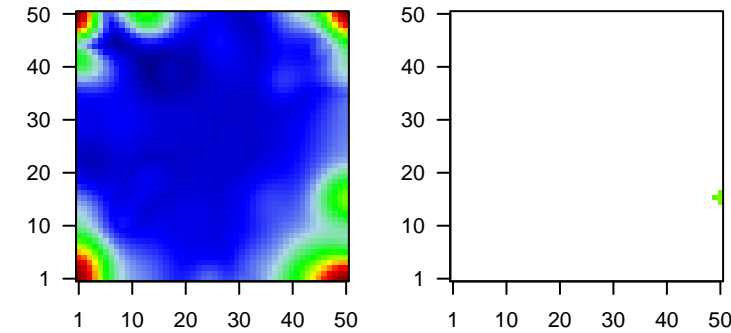
Atypical : 31 (41.9 %)

Mesenchymal : 1 (1.2 %)

Basal : 1 (1.2 %)

Overview Map

Spot



Spot Genelist

Rank	ID	max e	r	min e	Description
1	54959	2.94	-0.58	0.36	ODAM odontogenic, ameloblast associated [Source:HGNC Symbol;Acc:22187]
2	4602	2.8	-1.04	0.76	MYB v-myb avian myeloblastosis viral oncogene homolog [Source:HGNC Symbol;Acc:22187]
3	83988	2.43	-1.29	0.53	NCALD neurocalcin delta [Source:HGNC Symbol;Acc:7655]
4	26002	2.42	-1.28	0.41	MOXD1 monooxygenase, DBH-like 1 [Source:HGNC Symbol;Acc:22187]
5	1298	2.41	-1.14	0.55	COL9A2 collagen, type IX, alpha 2 [Source:HGNC Symbol;Acc:22187]
6	10439	2.3	-1.77	0.44	OLFM1 olfactomedin 1 [Source:HGNC Symbol;Acc:17187]
7	399948	2.29	-0.65	0.68	COLCA1 colorectal cancer associated 1 [Source:HGNC Symbol;Acc:30000]
8	6542	2.15	-1.11	0.53	SLC7A2 solute carrier family 7 (cationic amino acid transporter, y+ sys
9	21	2.13	-0.7	0.74	ABCA3 ATP-binding cassette, sub-family A (ABC1), member 3 [Source:HGNC Symbol;Acc:22187]
10	1365	2.05	-0.55	0.63	CLDN3 claudin 3 [Source:HGNC Symbol;Acc:2045]
11	494470	2.04	-1.37	0.6	RNF165 ring finger protein 165 [Source:HGNC Symbol;Acc:31696]
12	909	1.99	-1.12	0.34	CD1A CD1a molecule [Source:HGNC Symbol;Acc:1634]
13	3670	1.98	-0.84	0.35	ISL1 ISL LIM homeobox 1 [Source:HGNC Symbol;Acc:6132]
14	9915	1.9	-0.54	0.7	ARNT2 aryl-hydrocarbon receptor nuclear translocator 2 [Source:HGNC Symbol;Acc:22187]
15	63917	1.86	-1.59	0.42	GALNT1 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetyl
16	8543	1.83	-1.35	0.76	LMO4 LIM domain only 4 [Source:HGNC Symbol;Acc:6644]
17	57556	1.76	-1.15	0.57	SEMA6A sema domain, transmembrane domain (TM), and cytoplasmic
18	221061	1.75	-1.13	0.72	FAM171A family with sequence similarity 171, member A1 [Source:HGNC Symbol;Acc:22187]
19	26018	1.73	-1.25	0.69	LRIG1 leucine-rich repeats and immunoglobulin-like domains 1 [Source:HGNC Symbol;Acc:22187]
20	56994	1.71	-1.21	0.75	CHPT1 choline phosphotransferase 1 [Source:HGNC Symbol;Acc:17187]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	2e-06	4 / 16	GSE/ RICKMAN_HEAD_AND_NECK_CANCER_A
2	7e-05	6 / 122	miRN hsa-miR-380
3	8e-05	3 / 15	GSE/ DAVICIONI_PAX_FOXP1_SIGNATURE_IN_ARMS_DN
4	8e-05	9 / 318	MF chromatin binding
5	1e-04	7 / 189	miRN CTTT-527
6	1e-04	10 / 415	miRN TTTG-19A-19B
7	2e-04	3 / 20	MF RNA polymerase II transcription coactivator activity
8	9e-04	3 / 34	BP thymus development
9	1e-03	2 / 9	GSE/ GOZGIT_ESR1_TARGETS_DN
10	1e-03	2 / 9	GSE/ REACTOME_ETHANOL_OXIDATION
11	1e-03	12 / 755	Lymph SPANG_BCR_UP
12	1e-03	5 / 144	miRN hsa-miR-24
13	2e-03	3 / 40	TF Tf: VAQUERIZAS_Fetal brain
14	2e-03	11 / 676	BP positive regulation of transcription from RNA polymerase II promoter
15	2e-03	8 / 387	BP positive regulation of cell proliferation
16	2e-03	5 / 150	miRN hsa-miR-633
17	2e-03	2 / 11	MF enhancer sequence-specific DNA binding
18	2e-03	3 / 42	BP B cell differentiation
19	2e-03	2 / 12	CC PRC1 complex
20	2e-03	2 / 12	GSE/ KIM_WT1_TARGETS_12HR_UP
21	2e-03	2 / 13	BP developmental pigmentation
22	2e-03	2 / 13	miRN miR-34a
23	3e-03	4 / 101	miRN hsa-miR-525-5p
24	3e-03	2 / 14	GSE/ CONCANNON_APOPTOSIS_BY_EPOXOMICIN_DN
25	3e-03	2 / 14	GSE/ CAIRO_HEPATOBLASTOMA_POOR_SURVIVAL
26	3e-03	4 / 104	BP regulation of gene expression
27	3e-03	2 / 15	BP embryonic digestive tract development
28	3e-03	2 / 15	BP positive regulation vascular endothelial growth factor production
29	3e-03	2 / 15	GSE/ DOANE_BREAST_CANCER_CLASSES_UP
30	3e-03	2 / 15	GSE/ GEORGES_TARGETS_OF_MIR192_AND_MIR215
31	3e-03	2 / 15	GSE/ NIKOLSKY_BREAST_CANCER_8Q12_Q22_AMPLICON
32	3e-03	2 / 15	GSE/ SHIPP_DLCL_VS_FOLLICULAR_LYMPHOMA_DN
33	3e-03	2 / 15	GSE/ MASSARWEH_RESPONSE_TO ESTRADIOL
34	4e-03	5 / 179	miRN hsa-miR-34b
35	4e-03	5 / 180	miRN hsa-miR-199b-3p
36	4e-03	2 / 16	BP negative regulation of mitotic cell cycle
37	4e-03	2 / 16	GSE/ DAVICIONI_TARGETS_OF_PAX_FOXP1_FUSIONS_DN
38	4e-03	2 / 16	GSE/ HOEBEKE_LYMPHOID_STEM_CELL_UP
39	4e-03	2 / 16	GSE/ MANN_RESPONSE_TO_AMIFOSTINE_UP
40	4e-03	2 / 16	GSE/ RICKMAN_TUMOR_DIFFERENTIATED_WELL_VS_POORLY_UP

