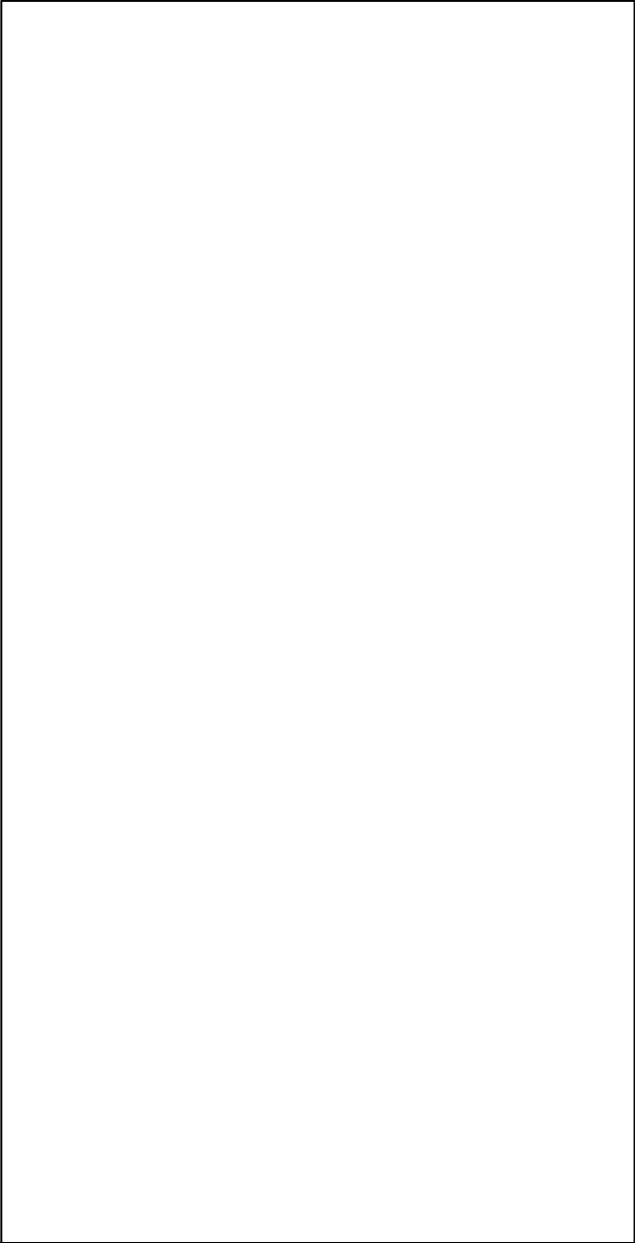
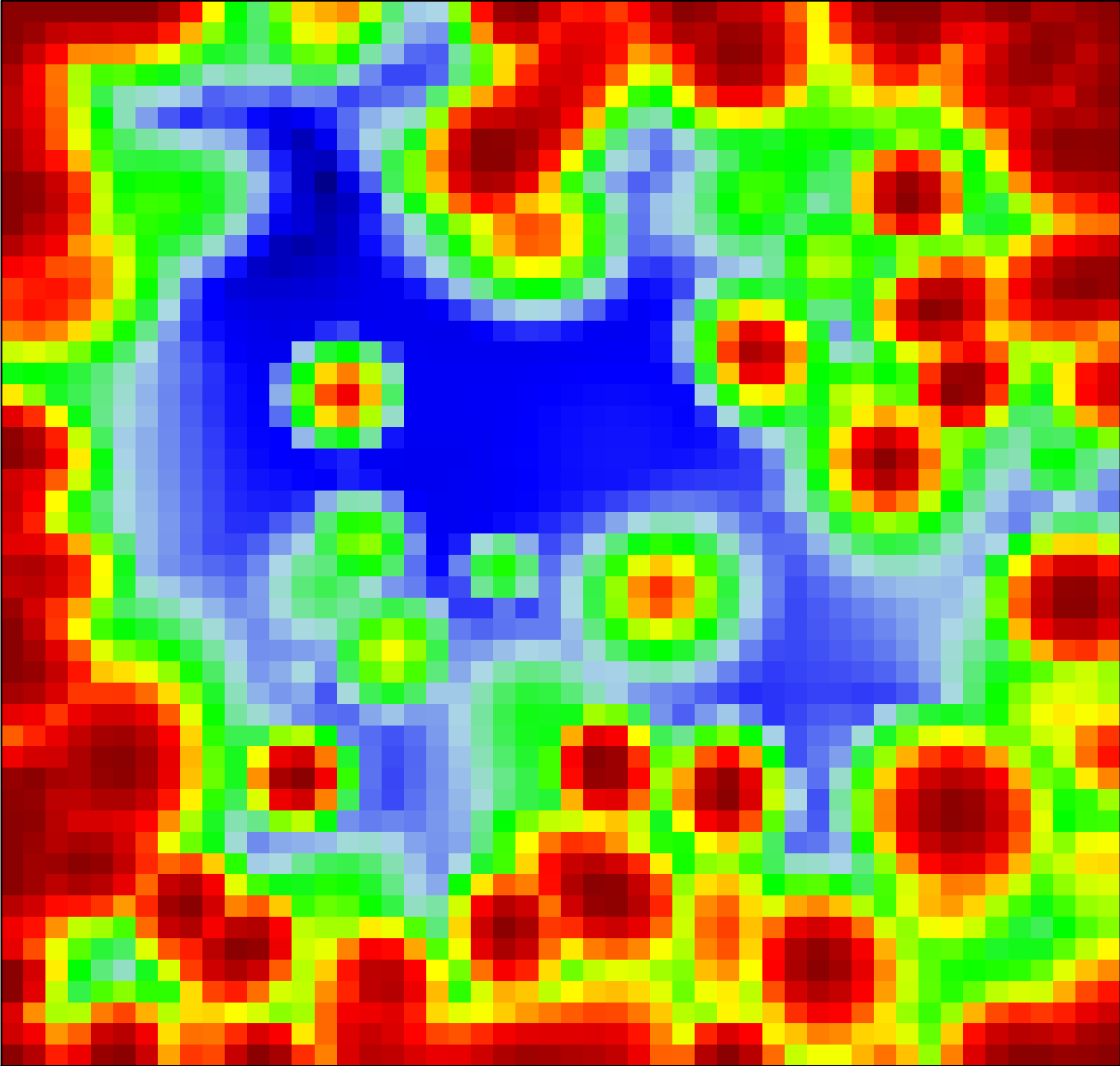


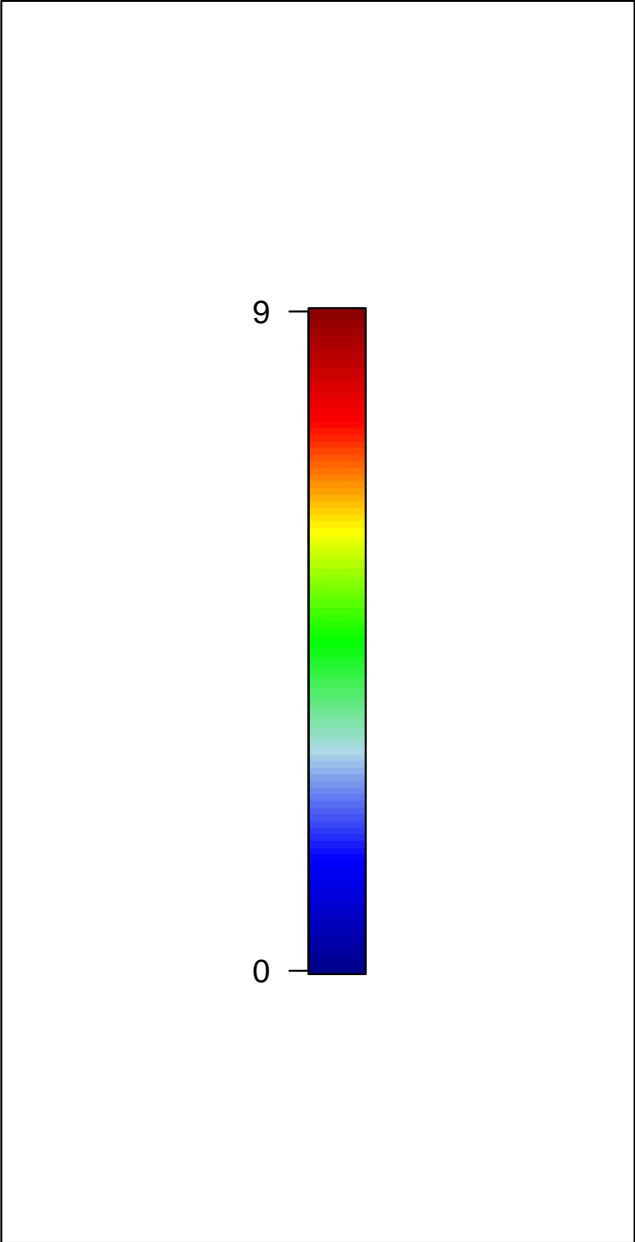
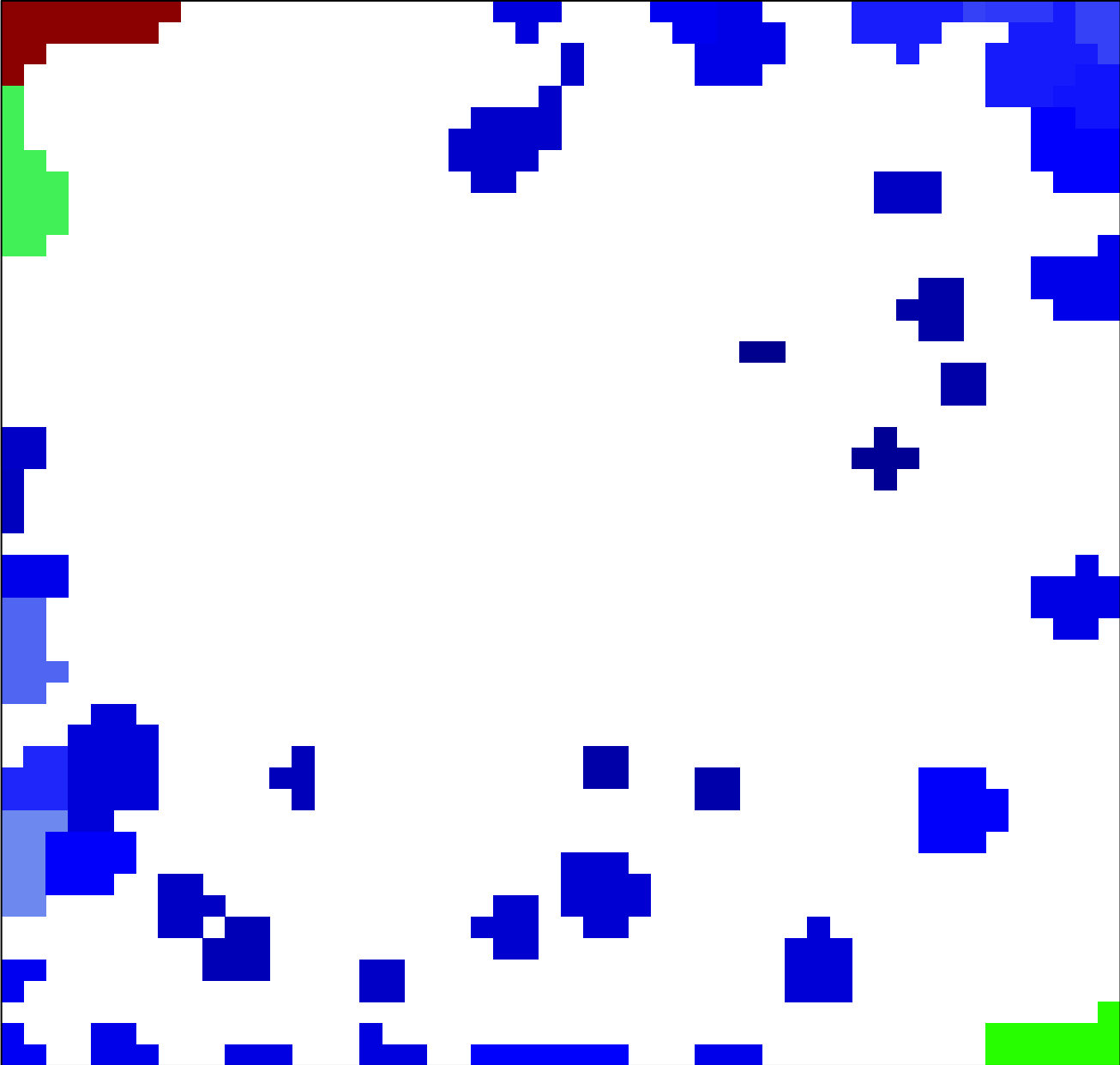
Overexpression Spots

landscape

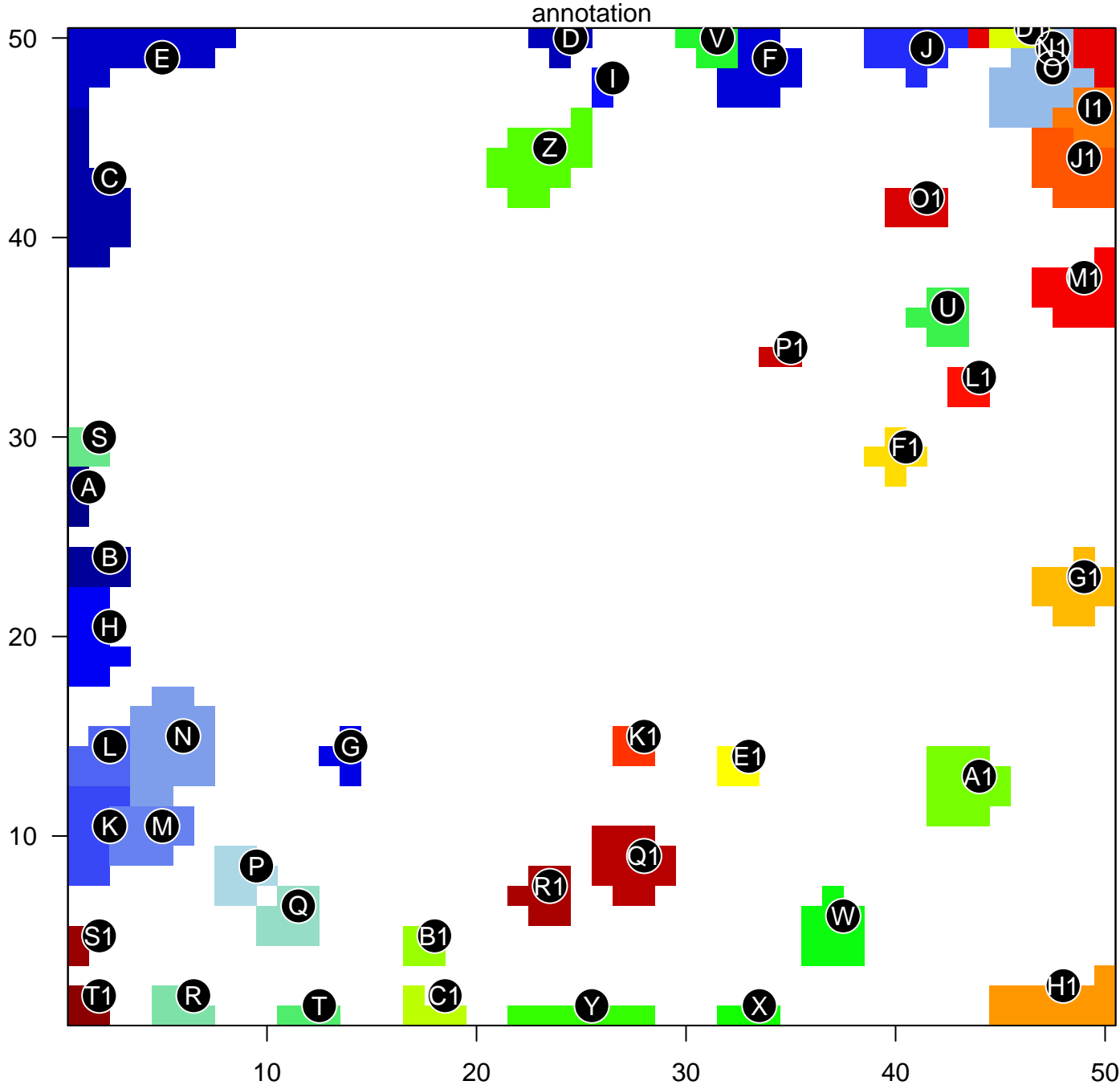


Overexpression Spots

beta-scores



Overexpression Spots



- A ■ MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_15
DAIRKEE_CANCER_PRONE_RESPONSE_BPA_E2
FARMER_BREAST_CANCER_CLUSTER_4
- B ■ RIZKI_TUMOR_INVASIVENESS_2D_DN
KIM_WT1_TARGETS_8HR_UP
HUMMERICH_SKIN_CANCER_PROGRESSION_UP
- C ■ STEIN_ESRRA_TARGETS_UP
STEIN_ESRRA_TARGETS
mitochondrial inner membrane
- D ■ TssA_Colon
ICGC_Creb1_targets
ICGC_Stat5_targets
- E ■ cell cycle
mitotic cell cycle
WILLSCHER_GBM_Verhaak-CL_up (C)
- F ■ Overlap_fetal_midbrain_K9K27me3
Overlap_fetal_midbrain_ReprPC
TxWk_Colon
- G ■ DUMEAUX_Women normal BMI literature genes up
extracellular space
TARTE_B-cell signature
- H ■ TssA_Colon
TssF_Colon
KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_DN
- I ■ left/right axis specification
sperm principal piece
neural tube formation
- J ■ HOPP_Active_promoter
TssA_Colon
HOPP_Txn_elongation
- K ■ Overlap_fetal_midbrain_ReprPC
Overlap_fetal_midbrain_ReprPCWk
plasma membrane
- L ■ RODRIGUES_THYROID_CARCINOMA_ANAPLASTIC_DN
BACOLOD_RESISTANCE_TO_ALKYLATING_AGENTS_UP
hsa-miR-105
- M ■ HOPP_Txn_elongation
Overlap_fetal_midbrain_ReprPC
TssA_Colon
- N ■ Overlap_fetal_midbrain_Quies
PID_IL2_STAT5_PATHWAY
positive regulation of osteoblast differentiation
- O ■ TssA_Colon
endoplasmic reticulum membrane
HOPP_Txn_transition
- P ■ LEE_LIVER_CANCER_SURVIVAL_UP

Overexpression Spots

Spot Summary: A

metagenes = 3
genes = 50

<r> metagenes = 0.96

<r> genes = 0.1

beta: r2= 0.68 / log p= -Inf

samples with spot = 9 (9.8 %)

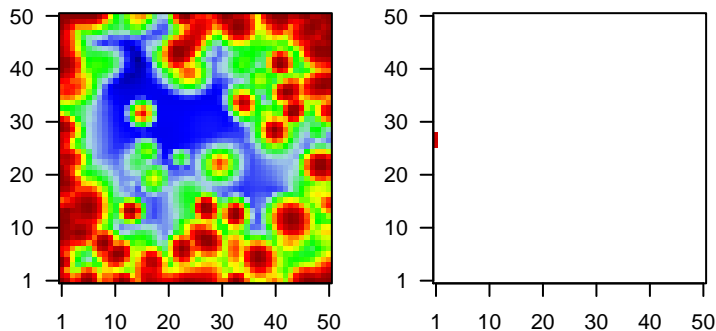
MSC1 : 5 (11.9 %)

MSC2 : 3 (12 %)

MSC3 : 1 (4 %)

Overview Map

Spot

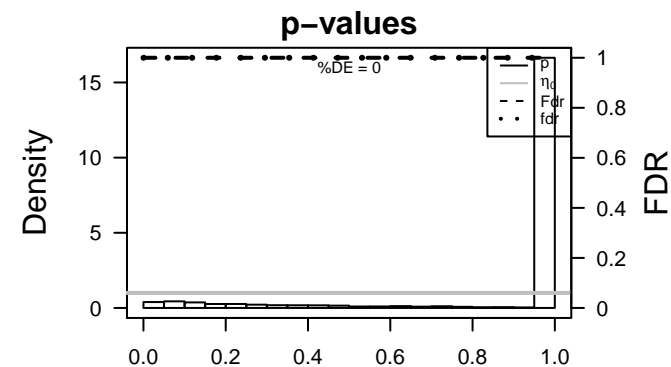
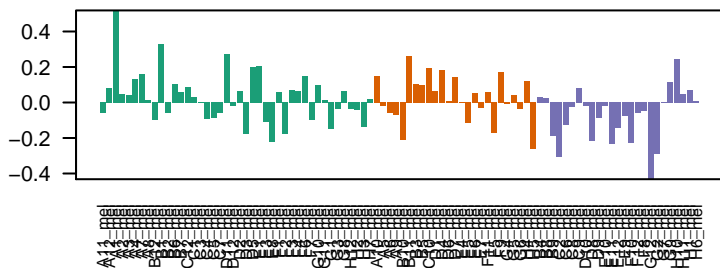


Spot Genelist

Rank	ID	max e	r	min e	Description
1	SIPA1L3	2.07	-0.3	0.26	SIPA1L3 signal-induced proliferation-associated 1 like 3 [Source:HGNC]
2	PPP1R13L	1.82	-0.03	0.32	PPP1R13L protein phosphatase 1, regulatory subunit 13 like [Source:HGNC]
3	CHN1	1.77	-0.26	0.26	CHN1 chimerin 1 [Source:HGNC Symbol;Acc:HGNC:1943]
4	ITGB1BP2	1.65	-0.06	0.3	ITGB1BP2 integrin beta 1 binding protein (melusin) 2 [Source:HGNC Symbol;Acc:HGNC:11943]
5	TFEB	1.64	-0.14	0.42	TFEB transcription factor EB [Source:HGNC Symbol;Acc:HGNC:11943]
6	AP4S1	1.49	-0.27	0.31	AP4S1 adaptor-related protein complex 4, sigma 1 subunit [Source:HGNC Symbol;Acc:HGNC:11943]
7	PCTP	1.48	-0.14	0.27	PCTP phosphatidylcholine transfer protein [Source:HGNC Symbol;Acc:HGNC:11943]
8	TMEM218	1.47	-0.53	0.27	TMEM218 transmembrane protein 218 [Source:HGNC Symbol;Acc:HGNC:11943]
9	LRBA	1.46	-0.36	0.31	LRBA LPS-responsive vesicle trafficking, beach and anchor containing protein 1 [Source:HGNC Symbol;Acc:HGNC:11943]
10	KLHL5	1.46	-0.53	0.35	KLHL5 kelch-like family member 5 [Source:HGNC Symbol;Acc:HGNC:11943]
11	GPR116	1.46	-0.08	0.31	GPR116 G-protein-coupled receptor class B group member 11 [Source:HGNC Symbol;Acc:HGNC:11943]
12	RIC1	1.45	-0.35	0.21	RIC1 RAB6A GEF complex partner 1 [Source:HGNC Symbol;Acc:HGNC:11943]
13	PPP1R21	1.43	-0.24	0.23	PPP1R21 protein phosphatase 1, regulatory subunit 21 [Source:HGNC Symbol;Acc:HGNC:11943]
14	CASKIN2	1.4	-0.36	0.3	CASKIN2 CASK interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:11943]
15	POLM	1.37	-0.15	0.31	POLM polymerase (DNA directed), mu [Source:HGNC Symbol;Acc:HGNC:11943]
16	SLC18A2	1.34	-0.25	0.2	SLC18A2 solute carrier family 18 (vesicular monoamine transporter), member 2 [Source:HGNC Symbol;Acc:HGNC:11943]
17	MPP6	1.34	-0.83	0.31	MPP6 membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6) [Source:HGNC Symbol;Acc:HGNC:11943]
18	RASGEF1A	1.3	-0.25	0.38	RASGEF1A RasGEF domain family, member 1A [Source:HGNC Symbol;Acc:HGNC:11943]
19	TBC1D1	1.29	-0.87	0.32	TBC1D1 TBC1 (tre-2/USP6, BUB2, odc16) domain family, member 1 [Source:HGNC Symbol;Acc:HGNC:11943]
20	ECM2	1.25	-0.11	0.31	ECM2 extracellular matrix protein 2, female organ and adipocyte specific [Source:HGNC Symbol;Acc:HGNC:11943]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	4e-06	3 / 10	GSE/ MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_15
2	4e-04	4 / 102	GSE/ DAIRKEE_CANCER_PRONE_RESPONSE_BPA_E2
3	9e-04	2 / 14	GSE/ FARMER_BREAST_CANCER_CLUSTER_4
4	1e-03	41 / 9330	Brain Overlap_fetal_midbrain_ReprPC
5	2e-03	6 / 382	BP positive regulation of GTPase activity
6	2e-03	11 / 1251	GSE/ DODD_NASOPHARYNGEAL_CARCINOMA_DN
7	2e-03	2 / 21	GSE/ REACTOME_INFLUENZA_VIRAL_RNA_TRANSCRIPTION_AND_REPLICATION
8	2e-03	3 / 78	GSE/ ROVERSI_GLIOMA_COPY_NUMBER_UP
9	2e-03	5 / 287	GSE/ GRESHOCK_CANCER_COPY_NUMBER_UP
10	3e-03	3 / 83	MF translation factor activity, RNA binding
11	3e-03	2 / 23	BP sulfur amino acid metabolic process
12	3e-03	33 / 6929	Lymp HOPP_Txn_elongation
13	3e-03	38 / 8580	Color TxWk_Colon
14	4e-03	4 / 193	GSE/ KYNG_DNA_DAMAGE_UP
15	4e-03	39 / 9013	Brain Overlap_fetal_midbrain_K9K27me3
16	4e-03	3 / 100	GSE/ SCHLOSSER_SERUM_RESPONSE_AUGMENTED_BY_MYC
17	4e-03	2 / 30	BP phospholipid transport
18	5e-03	2 / 31	GSE/ YAGI_AML_RELAPSE_PROGNOSIS
19	5e-03	4 / 209	GSE/ LOCKWOOD_AMPLIFIED_IN_LUNG_CANCER
20	5e-03	2 / 32	BP RNA phosphodiester bond hydrolysis, endonucleolytic
21	5e-03	29 / 5940	Brain Overlap_fetal_midbrain_HetRpts
22	5e-03	40 / 9482	Color TssA_Colon
23	5e-03	8 / 831	GSE/ KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_DN
24	6e-03	4 / 217	MF GTPase activator activity
25	7e-03	3 / 116	GSE/ YAGI_AML_WITH_T_9_11_TRANSLOCATION
26	7e-03	7 / 682	GSE/ KRIGE_HYPOXIA_NOT_VIA_KDM3A
27	7e-03	6 / 517	GSE/ FEVR_CTNNB1_TARGETS_DN
28	8e-03	2 / 42	GSE/ REACTOME_MRNA_SPLICING_MINOR_PATHWAY
29	9e-03	2 / 43	GSE/ REACTOME_DEADENYLATION_DEPENDENT_MRNA_DECAY
30	9e-03	2 / 43	GSE/ ZHAN_MULTIPLE_MYELOMA_CD2_DN
31	9e-03	5 / 393	BP mRNA processing
32	1e-02	2 / 45	GSE/ MORI_IMMATURE_B_LYMPHOCYTE_UP
33	1e-02	5 / 398	GSE/ MOOTHA_PGC
34	1e-02	38 / 9027	Color Tx_Colon
35	1e-02	8 / 925	GSE/ KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_DN
36	1e-02	2 / 47	Canc PanCan_DNARepair_geneset_nanostring
37	1e-02	2 / 48	GSE/ YANG_BREAST_CANCER_ESR1_LASER_DN
38	1e-02	5 / 412	GSE/ GARY_CD5_TARGETS_DN
39	1e-02	4 / 270	GSE/ NIKOLSKY_BREAST_CANCER_17Q21_Q25_AMPLICON
40	1e-02	3 / 146	GSE/ BROWNE_HCMV_INFECTION_14HR_UP



Overexpression Spots

Spot Summary: B

metagenes = 6
genes = 33

<r> metagenes = 0.99
<r> genes = 0.12
beta: r2= 1.23 / log p= -Inf

samples with spot = 16 (17.4 %)

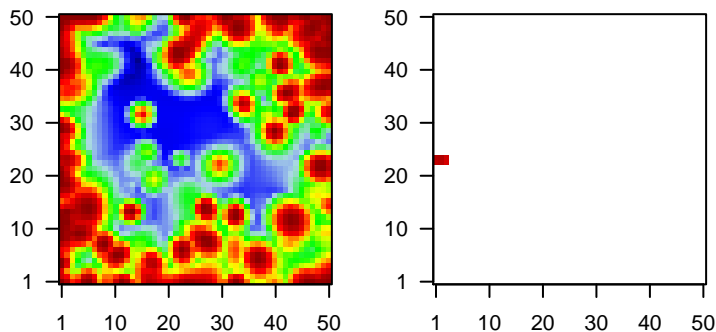
MSC1 : 11 (26.2 %)

MSC2 : 2 (8 %)

MSC3 : 3 (12 %)

Overview Map

Spot

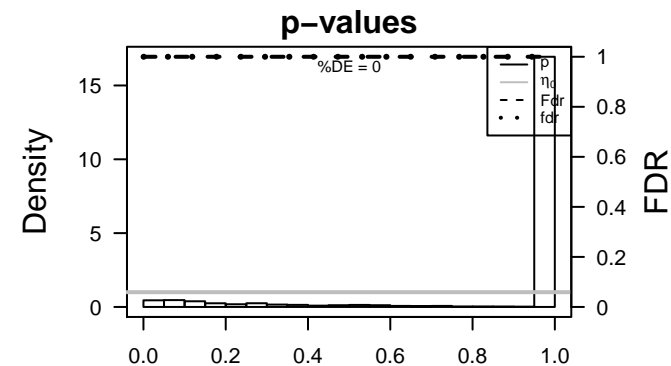
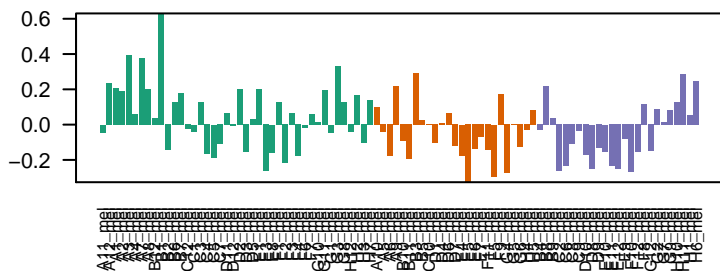


Spot Genelist

Rank	ID	max e	r	min e	Description
1	NSMCE4A	1.83	-0.38	0.29	NSMCE4A non-SMC element 4 homolog A (S. cerevisiae) [Source:HGNC]
2	TAZ	1.78	-0.27	0.28	TAZ tafazzin [Source:HGNC Symbol;Acc:HGNC:11577]
3	ORAI3	1.62	-0.39	0.21	ORAI3 ORAI calcium release-activated calcium modulator 3 [Source:HGNC Symbol;Acc:HGNC:11577]
4	KIF13B	1.58	-0.33	0.28	KIF13B kinesin family member 13B [Source:HGNC Symbol;Acc:HGNC:11577]
5	RAD51D	1.55	-0.37	0.23	RAD51D RAD51 paralogue D [Source:HGNC Symbol;Acc:HGNC:9823]
6	SPATA6	1.53	-0.48	0.2	SPATA6 spermatogenesis associated 6 [Source:HGNC Symbol;Acc:HGNC:11577]
7	EGLN2	1.51	-0.65	0.27	EGLN2 egl-9 family hypoxia-inducible factor 2 [Source:HGNC Symbol;Acc:HGNC:11577]
8	TMC8	1.45	-0.25	0.31	TMC8 transmembrane channel-like 8 [Source:HGNC Symbol;Acc:HGNC:11577]
9	EXOSC5	1.4	-0.94	0.25	EXOSC5 exosome component 5 [Source:HGNC Symbol;Acc:HGNC:24]
10	RFK	1.34	-0.59	0.36	RFK riboflavin kinase [Source:HGNC Symbol;Acc:HGNC:30324]
11	TNFRSF1A	1.32	-0.66	0.25	TNFRSF1A tumor necrosis factor receptor superfamily, member 1A [Source:HGNC Symbol;Acc:HGNC:11577]
12	JUNB	1.32	-0.18	0.34	JUNB jun B proto-oncogene [Source:HGNC Symbol;Acc:HGNC:62]
13	CUL4A	1.28	-0.7	0.3	CUL4A cullin 4A [Source:HGNC Symbol;Acc:HGNC:2554]
14	MTMR1	1.28	-0.21	0.32	MTMR1 myotubularin related protein 1 [Source:HGNC Symbol;Acc:HGNC:11577]
15	C9orf89	1.27	-0.66	0.35	C9orf89 chromosome 9 open reading frame 89 [Source:HGNC Symbol;Acc:HGNC:11577]
16	DGCR6L	1.17	-0.7	0.24	DGCR6L DiGeorge syndrome critical region gene 6-like [Source:HGNC Symbol;Acc:HGNC:11577]
17	RNASEH2C	1.15	-0.84	0.31	RNASEH2C ribonuclease H2, subunit C [Source:HGNC Symbol;Acc:HGNC:11577]
18	PPP5C	1.14	-1.11	0.38	PPP5C protein phosphatase 5, catalytic subunit [Source:HGNC Symbol;Acc:HGNC:11577]
19	NIPA2	1.13	-1.02	0.41	NIPA2 non imprinted in Prader-Willi/Angelman syndrome 2 [Source:HGNC Symbol;Acc:HGNC:11577]
20	SRSF4	1.08	-1.23	0.34	SRSF4 serine/arginine-rich splicing factor 4 [Source:HGNC Symbol;Acc:HGNC:11577]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	3e-04	3 / 56	GSE/ RIZKI_TUMOR_INVASIVENESS_2D_DN
2	4e-04	4 / 154	GSE/ KIM_WT1_TARGETS_8HR_UP
3	4e-04	3 / 67	GSE/ HUMMERICH_SKIN_CANCER_PROGRESSION_UP
4	4e-04	30 / 9482	Colon Tssa_Colon
5	5e-04	6 / 460	GSE/ ACEVEDO_LIVER_CANCER_DN
6	5e-04	2 / 15	BP RNA catabolic process
7	5e-04	2 / 15	GSE/ KEGG_RIBOFLAVIN_METABOLISM
8	6e-04	2 / 16	GSE/ MEINHOLD_OVARIAN_CANCER_LOW_GRADE_UP
9	2e-03	3 / 109	Lymp ROSOLOWSKI_green total
10	3e-03	2 / 35	GSE/ KEGG_PYRUVATE_METABOLISM
11	3e-03	2 / 37	CC chromosome, telomeric region
12	4e-03	2 / 42	GSE/ PARK_APL_PATHOGENESIS_DN
13	4e-03	2 / 43	GSE/ SASAI_RESISTANCE_TO_NEOPLASTIC_TRANSFORMATION
14	4e-03	3 / 146	HM HALLMARK_UV_RESPONSE_UP
15	4e-03	4 / 298	BP DNA repair
16	4e-03	2 / 45	GSE/ BECKER_TAMOXIFEN_RESISTANCE_UP
17	5e-03	3 / 154	miRN hsa-miR-139-5p
18	5e-03	2 / 47	HM HALLMARK_REACTIVE_OXIGEN_SPECIES_PATHWAY
19	5e-03	4 / 314	GSE/ OSMAN_BLADDER_CANCER_DN
20	5e-03	3 / 157	GSE/ BAKKER_FOXO3_TARGETS_DN
21	5e-03	2 / 48	BP positive regulation of protein catabolic process
22	5e-03	2 / 48	GSE/ BORLAK_LIVER_CANCER_EGF_UP
23	5e-03	5 / 517	GSE/ FEVR_CTNNB1_TARGETS_DN
24	6e-03	2 / 54	GSE/ PHONG_TNF_TARGETS_UP
25	7e-03	2 / 56	BP regulation of cell growth
26	7e-03	3 / 181	GSE/ PENG_LEUCINE_DEPRIVATION_DN
27	8e-03	2 / 61	BP mRNA export from nucleus
28	9e-03	2 / 63	GSE/ OUELLET_CULTURED_OVARIAN_CANCER_INVASIVE_VS_LMP_UP
29	1e-02	3 / 198	GSE/ OSWALD_HEMATOPOIETIC_STEM_CELL_IN_COLLAGEN_GEL_UP
30	1e-02	6 / 842	GSE/ KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_UP
31	1e-02	3 / 200	GSE/ LINSLEY_MIR16_TARGETS
32	1e-02	6 / 843	GSE/ LOPEZ_MBD_TARGETS
33	1e-02	2 / 69	miRN hsa-miR-1266
34	1e-02	3 / 204	BP in utero embryonic development
35	1e-02	2 / 70	GSE/ COATES_MACROPHAGE_M1_VS_M2_UP
36	1e-02	2 / 72	BP hemopoiesis
37	1e-02	2 / 73	miRN hsa-miR-657
38	1e-02	7 / 1171	TF KIM_MYC targets
39	1e-02	1 / 6	GSE/ HE_PTEN_TARGETS_DN
40	1e-02	2 / 80	CC mitochondrial membrane



Rank	p-value	#in/all
1	0.000	131
2	0.000	131
3	0.000	131
4	0.000	131
5	0.000	131
6	0.000	131
7	0.000	131
8	0.000	131
9	0.000	131
10	0.000	131
11	0.000	131
12	0.000	131
13	0.000	131
14	0.000	131
15	0.000	131
16	0.000	131
17	0.000	131
18	0.000	131
19	0.000	131
20	0.000	131
21	0.000	131
22	0.000	131
23	0.000	131
24	0.000	131
25	0.000	131
26	0.000	131
27	0.000	131
28	0.000	131
29	0.000	131
30	0.000	131
31	0.000	131
32	0.000	131
33	0.000	131
34	0.000	131
35	0.000	131
36	0.000	131
37	0.000	131
38	0.000	131
39	0.000	131
40	0.000	131
41	0.000	131
42	0.000	131
43	0.000	131
44	0.000	131
45	0.000	131
46	0.000	131
47	0.000	131
48	0.000	131
49	0.000	131
50	0.000	131
51	0.000	131
52	0.000	131
53	0.000	131
54	0.000	131
55	0.000	131
56	0.000	131
57	0.000	131
58	0.000	131
59	0.000	131
60	0.000	131
61	0.000	131
62	0.000	131
63	0.000	131
64	0.000	131
65	0.000	131
66	0.000	131
67	0.000	131
68	0.000	131
69	0.000	131
70	0.000	131
71	0.000	131
72	0.000	131
73	0.000	131
74	0.000	131
75	0.000	131
76	0.000	131
77	0.000	131
78	0.000	131
79	0.000	131
80	0.000	131
81	0.000	131
82	0.000	131
83	0.000	131
84	0.000	131
85	0.000	131
86	0.000	131
87	0.000	131
88	0.000	131
89	0.000	131
90	0.000	131
91	0.000	131
92	0.000	131
93	0.000	131
94	0.000	131
95	0.000	131
96	0.000	131
97	0.000	131
98	0.000	131
99	0.000	131
100	0.000	131

Geneset
 downregulating genes meth DOWN
 HORVATH_age_genes meth UP
 TESCHENDORFF_age_hypermethylated

Rank	p-value	#in/all
1	0.000	101
2	0.000	101
3	0.000	101
4	0.000	101
5	0.000	101
6	0.000	101
7	0.000	101
8	0.000	101
9	0.000	101
10	0.000	101
11	0.000	101
12	0.000	101
13	0.000	101
14	0.000	101
15	0.000	101
16	0.000	101
17	0.000	101
18	0.000	101
19	0.000	101
20	0.000	101
21	0.000	101
22	0.000	101
23	0.000	101
24	0.000	101
25	0.000	101
26	0.000	101
27	0.000	101
28	0.000	101
29	0.000	101
30	0.000	101
31	0.000	101
32	0.000	101
33	0.000	101
34	0.000	101
35	0.000	101
36	0.000	101
37	0.000	101
38	0.000	101
39	0.000	101
40	0.000	101
41	0.000	101
42	0.000	101
43	0.000	101
44	0.000	101
45	0.000	101
46	0.000	101
47	0.000	101
48	0.000	101
49	0.000	101
50	0.000	101
51	0.000	101
52	0.000	101
53	0.000	101
54	0.000	101
55	0.000	101
56	0.000	101
57	0.000	101
58	0.000	101
59	0.000	101
60	0.000	101
61	0.000	101
62	0.000	101
63	0.000	101
64	0.000	101
65	0.000	101
66	0.000	101
67	0.000	101
68	0.000	101
69	0.000	101
70	0.000	101
71	0.000	101
72	0.000	101
73	0.000	101
74	0.000	101
75	0.000	101
76	0.000	101
77	0.000	101
78	0.000	101
79	0.000	101
80	0.000	101
81	0.000	101
82	0.000	101
83	0.000	101
84	0.000	101
85	0.000	101
86	0.000	101
87	0.000	101
88	0.000	101
89	0.000	101
90	0.000	101
91	0.000	101
92	0.000	101
93	0.000	101
94	0.000	101
95	0.000	101
96	0.000	101
97	0.000	101
98	0.000	101
99	0.000	101
100	0.000	101

Geneset
 GEMMEX_modul4
 GEMMEX_modul6
 SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_DN
 SOTIRIOU_Normal vs Adenoma
 SOTIRIOU_Breast index
 LEMBOCKE_Breast_Cancer_DN
 Lembocke_stromal_inflammation
 KHODES_CANCER_META_SIGNATURE
 SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_UP
 LIU_COMMON_CANCER_GENES
 LIU_DIVERGENT_CANCER_UP
 WANG_Lung_Cancer
 WANG_Lung_DN
 WANG_Lung_UP
 Kozlov_cytoskap_genes
 BENPORATH_DN
 BENPORATH_UP
 GENIESL_modul1

Rank	p-value	#in/all
1	0.000	107
2	0.000	107
3	0.000	107
4	0.000	107
5	0.000	107
6	0.000	107
7	0.000	107
8	0.000	107
9	0.000	107
10	0.000	107
11	0.000	107
12	0.000	107
13	0.000	107
14	0.000	107
15	0.000	107
16	0.000	107
17	0.000	107
18	0.000	107
19	0.000	107
20	0.000	107
21	0.000	107
22	0.000	107
23	0.000	107
24	0.000	107
25	0.000	107
26	0.000	107
27	0.000	107
28	0.000	107
29	0.000	107
30	0.000	107
31	0.000	107
32	0.000	107
33	0.000	107
34	0.000	107
35	0.000	107
36	0.000	107
37	0.000	107
38	0.000	107
39	0.000	107
40	0.000	107
41	0.000	107
42	0.000	107
43	0.000	107
44	0.000	107
45	0.000	107
46	0.000	107
47	0.000	107
48	0.000	107
49	0.000	107
50	0.000	107
51	0.000	107
52	0.000	107
53	0.000	107
54	0.000	107
55	0.000	107
56	0.000	107
57	0.000	107
58	0.000	107
59	0.000	107
60	0.000	107
61	0.000	107
62	0.000	107
63	0.000	107
64	0.000	107
65	0.000	107
66	0.000	107
67	0.000	107
68	0.000	107
69	0.000	107
70	0.000	107
71	0.000	107
72	0.000	107
73	0.000	107
74	0.000	107
75	0.000	107
76	0.000	107
77	0.000	107
78	0.000	107
79	0.000	107
80	0.000	107
81	0.000	107
82	0.000	107
83	0.000	107
84	0.000	107
85	0.000	107
86	0.000	107
87	0.000	107
88	0.000	107
89	0.000	107
90	0.000	107
91	0.000	107
92	0.000	107
93	0.000	107
94	0.000	107
95	0.000	107
96	0.000	107
97	0.000	107
98	0.000	107
99	0.000	107
100	0.000	107

Geneset
 Lembocke_TCGA_meth_kmeans_L_CIMP_H_DN
 LSS_Colon
 Quisenberry_Colon
 LSS2_Colon
 LSS3_Colon
 LSS4_Colon
 LSS5_Colon
 LSS6_Colon
 LSS7_Colon
 LSS8_Colon
 LSS9_Colon
 LSS10_Colon
 LSS11_Colon
 LSS12_Colon
 LSS13_Colon
 LSS14_Colon
 LSS15_Colon
 LSS16_Colon
 LSS17_Colon
 LSS18_Colon
 LSS19_Colon
 LSS20_Colon
 LSS21_Colon
 LSS22_Colon
 LSS23_Colon
 LSS24_Colon
 LSS25_Colon
 LSS26_Colon
 LSS27_Colon
 LSS28_Colon
 LSS29_Colon
 LSS30_Colon
 LSS31_Colon
 LSS32_Colon
 LSS33_Colon
 LSS34_Colon
 LSS35_Colon
 LSS36_Colon
 LSS37_Colon
 LSS38_Colon
 LSS39_Colon
 LSS40_Colon
 LSS41_Colon
 LSS42_Colon
 LSS43_Colon
 LSS44_Colon
 LSS45_Colon
 LSS46_Colon
 LSS47_Colon
 LSS48_Colon
 LSS49_Colon
 LSS50_Colon
 LSS51_Colon
 LSS52_Colon
 LSS53_Colon
 LSS54_Colon
 LSS55_Colon
 LSS56_Colon
 LSS57_Colon
 LSS58_Colon
 LSS59_Colon
 LSS60_Colon
 LSS61_Colon
 LSS62_Colon
 LSS63_Colon
 LSS64_Colon
 LSS65_Colon
 LSS66_Colon
 LSS67_Colon
 LSS68_Colon
 LSS69_Colon
 LSS70_Colon
 LSS71_Colon
 LSS72_Colon
 LSS73_Colon
 LSS74_Colon
 LSS75_Colon
 LSS76_Colon
 LSS77_Colon
 LSS78_Colon
 LSS79_Colon
 LSS80_Colon
 LSS81_Colon
 LSS82_Colon
 LSS83_Colon
 LSS84_Colon
 LSS85_Colon
 LSS86_Colon
 LSS87_Colon
 LSS88_Colon
 LSS89_Colon
 LSS90_Colon
 LSS91_Colon
 LSS92_Colon
 LSS93_Colon
 LSS94_Colon
 LSS95_Colon
 LSS96_Colon
 LSS97_Colon
 LSS98_Colon
 LSS99_Colon
 LSS100_Colon
 LSS101_Colon
 LSS102_Colon
 LSS103_Colon
 LSS104_Colon
 LSS105_Colon
 LSS106_Colon
 LSS107_Colon
 LSS108_Colon
 LSS109_Colon
 LSS110_Colon
 LSS111_Colon
 LSS112_Colon
 LSS113_Colon
 LSS114_Colon
 LSS115_Colon
 LSS116_Colon
 LSS117_Colon
 LSS118_Colon
 LSS119_Colon
 LSS120_Colon
 LSS121_Colon
 LSS122_Colon
 LSS123_Colon
 LSS124_Colon
 LSS125_Colon
 LSS126_Colon
 LSS127_Colon
 LSS128_Colon
 LSS129_Colon
 LSS130_Colon
 LSS131_Colon
 LSS132_Colon
 LSS133_Colon
 LSS134_Colon
 LSS135_Colon
 LSS136_Colon
 LSS137_Colon
 LSS138_Colon
 LSS139_Colon
 LSS140_Colon
 LSS141_Colon
 LSS142_Colon
 LSS143_Colon
 LSS144_Colon
 LSS145_Colon
 LSS146_Colon
 LSS147_Colon
 LSS148_Colon
 LSS149_Colon
 LSS150_Colon
 LSS151_Colon
 LSS152_Colon
 LSS153_Colon
 LSS154_Colon
 LSS155_Colon
 LSS156_Colon
 LSS157_Colon
 LSS158_Colon
 LSS159_Colon
 LSS160_Colon
 LSS161_Colon
 LSS162_Colon
 LSS163_Colon
 LSS164_Colon
 LSS165_Colon
 LSS166_Colon
 LSS167_Colon
 LSS168_Colon
 LSS169_Colon
 LSS170_Colon
 LSS171_Colon
 LSS172_Colon
 LSS173_Colon
 LSS174_Colon
 LSS175_Colon
 LSS176_Colon
 LSS177_Colon
 LSS178_Colon
 LSS179_Colon
 LSS180_Colon
 LSS181_Colon
 LSS182_Colon
 LSS183_Colon
 LSS184_Colon
 LSS185_Colon
 LSS186_Colon
 LSS187_Colon
 LSS188_Colon
 LSS189_Colon
 LSS190_Colon
 LSS191_Colon
 LSS192_Colon
 LSS193_Colon
 LSS194_Colon
 LSS195_Colon
 LSS196_Colon
 LSS197_Colon
 LSS198_Colon
 LSS199_Colon
 LSS200_Colon
 LSS201_Colon
 LSS202_Colon
 LSS203_Colon
 LSS204_Colon
 LSS205_Colon
 LSS206_Colon
 LSS207_Colon
 LSS208_Colon
 LSS209_Colon
 LSS210_Colon
 LSS211_Colon
 LSS212_Colon
 LSS213_Colon
 LSS214_Colon
 LSS215_Colon
 LSS216_Colon
 LSS217_Colon
 LSS218_Colon
 LSS219_Colon
 LSS220_Colon
 LSS221_Colon
 LSS222_Colon
 LSS223_Colon
 LSS224_Colon
 LSS225_Colon
 LSS226_Colon
 LSS227_Colon
 LSS228_Colon
 LSS229_Colon
 LSS230_Colon
 LSS231_Colon
 LSS232_Colon
 LSS233_Colon
 LSS234_Colon
 LSS235_Colon
 LSS236_Colon
 LSS237_Colon
 LSS238_Colon
 LSS239_Colon
 LSS240_Colon
 LSS241_Colon
 LSS242_Colon
 LSS243_Colon
 LSS244_Colon
 LSS245_Colon
 LSS246_Colon
 LSS247_Colon
 LSS248_Colon
 LSS249_Colon
 LSS250_Colon
 LSS251_Colon
 LSS252_Colon
 LSS253_Colon
 LSS254_Colon
 LSS255_Colon
 LSS256_Colon
 LSS257_Colon
 LSS258_Colon
 LSS259_Colon
 LSS260_C

Overexpression Spots

Spot Summary: C

metagenes = 16
genes = 283

<r> metagenes = 0.95
<r> genes = 0.17
beta: r2= 3.92 / log p= -Inf

samples with spot = 26 (28.3 %)
MSC1 : 17 (40.5 %)
MSC2 : 9 (36 %)

Spot Genelist

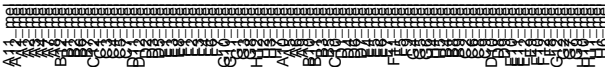
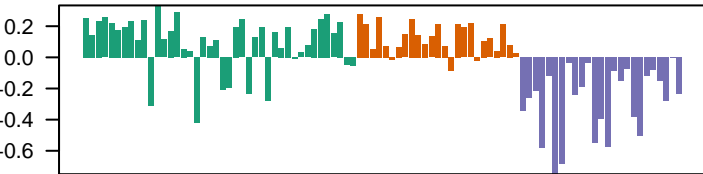
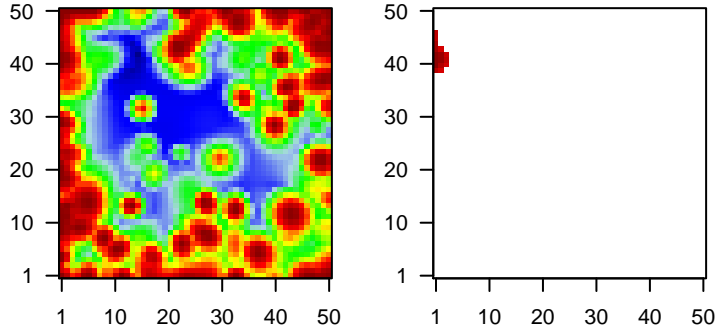
Rank	ID	max e	r	min e	Description
					Symbol
1	ZNF577	1.94	-0.21	0.27	ZNF577 zinc finger protein 577 [Source:HGNC Symbol;Acc:HGNC:28]
2	GAPDHS	1.71	-1.17	0.59	GAPDHS glyceraldehyde-3-phosphate dehydrogenase, spermatogenic
3	ST6GALNAC3	1.69	-0.39	0.32	ST6GALNAC3 alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-
4	TRMT1	1.65	-0.71	0.36	TRMT1 tRNA methyltransferase 1 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:11653]
5	NMRK2	1.63	-1.2	0.71	NMRK2 nicotinamide riboside kinase 2 [Source:HGNC Symbol;Acc:HGNC:11653]
6	NT5DC1	1.63	-0.93	0.28	NT5DC1 5'-nucleotidase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:11653]
7	WIPF3	1.62	-0.29	0.33	WIPF3 WAS/WASL interacting protein family, member 3 [Source:HGNC Symbol;Acc:HGNC:11653]
8	NT5DC2	1.62	-0.98	0.28	NT5DC2 5'-nucleotidase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:11653]
9	ANO2	1.61	-0.48	0.34	ANO2 anoctamin 2, calcium activated chloride channel [Source:HGNC Symbol;Acc:HGNC:11653]
10	MUC7	1.61	-0.26	0.44	MUC7 mucin 7, secreted [Source:HGNC Symbol;Acc:HGNC:7518]
11	CAPG	1.58	-0.72	0.39	CAPG capping protein (actin filament), gelsolin-like [Source:HGNC Symbol;Acc:HGNC:11653]
12	MAPK10	1.57	-0.69	0.44	MAPK10 mitogen-activated protein kinase 10 [Source:HGNC Symbol;Acc:HGNC:11653]
13	SNAP29	1.56	-0.44	0.3	SNAP29 synaptosomal-associated protein, 29kDa [Source:HGNC Symbol;Acc:HGNC:11653]
14	MIPEP	1.55	-0.46	0.29	MIPEP mitochondrial intermediate peptidase [Source:HGNC Symbol;Acc:HGNC:11653]
15	TMEM243	1.54	-0.76	0.45	TMEM243 transmembrane protein 243, mitochondrial [Source:HGNC Symbol;Acc:HGNC:11653]
16	ISY1	1.53	-0.64	0.24	ISY1 ISY1 splicing factor homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:11653]
17	SNX8	1.52	-0.75	0.39	SNX8 sorting nexin 8 [Source:HGNC Symbol;Acc:HGNC:14972]
18	IFI35	1.51	-0.5	0.32	IFI35 interferon-induced protein 35 [Source:HGNC Symbol;Acc:HGNC:11653]
19	NENF	1.49	-0.83	0.33	NENF neudesin neurotrophic factor [Source:HGNC Symbol;Acc:HGNC:11653]
20	TCN2	1.49	-0.39	0.34	TCN2 transcobalamin II [Source:HGNC Symbol;Acc:HGNC:11653]

Geneset Overrepresentation

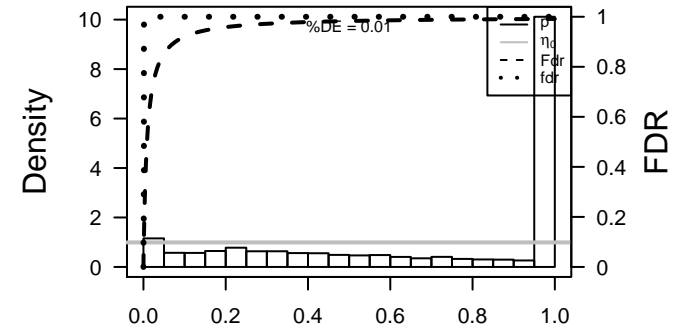
Rank	p-value	#in/all	Geneset
1	1e-13	33 / 368	GSE/ STEIN_ESRRA_TARGETS_UP
2	5e-12	36 / 500	GSE/ STEIN_ESRRA_TARGETS
3	6e-12	32 / 401	CC mitochondrial inner membrane
4	1e-11	66 / 1468	CC mitochondrion
5	3e-10	42 / 756	GSE/ WEI_MYCN_TARGETS_WITH_E_BOX
6	1e-09	20 / 198	HM HALLMARK_OXIDATIVE_PHOSPHORYLATION
7	1e-08	44 / 925	GSE/ KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_DN
8	1e-08	24 / 325	GSE/ PENG_GLUTAMINE_DEPRIVATION_DN
9	1e-08	27 / 405	GSE/ MOOTHA_HUMAN_MITODB_6_2002
10	3e-08	27 / 421	GSE/ MOOTHA_MITOCHONDRIA
11	4e-08	181 / 7203	Color TssF_Colon
12	4e-07	38 / 831	GSE/ KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_DN
13	4e-07	13 / 120	CC mitochondrial outer membrane
14	6e-07	16 / 188	HM HALLMARK_ADIPOGENESIS
15	9e-07	21 / 322	BP mitochondrion organization
16	9e-07	15 / 171	GSE/ BURTON_ADIPOGENESIS_6
17	9e-07	61 / 1730	BP small molecule metabolic process
18	2e-06	22 / 363	GSE/ RUTELLA_RESPONSE_TO_HGF_UP
19	2e-06	21 / 338	GSE/ DAIRKEE_TERT_TARGETS_UP
20	2e-06	71 / 2193	CC extracellular exosome
21	3e-06	5 / 13	BP melanin biosynthetic process
22	5e-06	7 / 37	GSE/ ELVIDGE_HIF1A_AND_HIF2A_TARGETS_UP
23	6e-06	18 / 278	GSE/ MANALO_HYPOXIA_DN
24	7e-06	22 / 398	GSE/ MOOTHA_PGC
25	1e-05	24 / 475	GSE/ ONKEN_UVEAL_MELANOMA_DN
26	1e-05	12 / 140	GSE/ ELVIDGE_HYPOXIA_DN
27	2e-05	5 / 18	BP melanocyte differentiation
28	2e-05	212 / 9482	Color TssA_Colon
29	3e-05	7 / 47	BP protein targeting to mitochondrion
30	3e-05	203 / 9013	Brain Overlap_fetal_midbrain_K9K27me3
31	3e-05	7 / 48	GSE/ REACTOME_MITOCHONDRIAL_PROTEIN_IMPORT
32	3e-05	14 / 202	GSE/ CHANG_CORE_SERUM_RESPONSE_UP
33	4e-05	188 / 8205	CC cytoplasm
34	6e-05	11 / 136	GSE/ IVANOVA_HEMATOPOIESIS_INTERMEDIATE_PROGENITOR
35	7e-05	3 / 5	GSE/ IGARASHI_ATF4_TARGETS_UP
36	8e-05	12 / 167	GSE/ KIM_MYC_AMPLIFICATION_TARGETS_UP
37	9e-05	10 / 120	GSE/ BURTON_ADIPOGENESIS_5
38	1e-04	24 / 541	BP oxidation-reduction process
39	1e-04	15 / 255	BP cellular amino acid metabolic process
40	1e-04	14 / 233	GSE/ PENG_RAPAMYCIN_RESPONSE_DN

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: D

metagenes = 4
genes = 57

<r> metagenes = 0.99
<r> genes = 0.11
beta: r2= 1.06 / log p= -Inf

samples with spot = 10 (10.9 %)

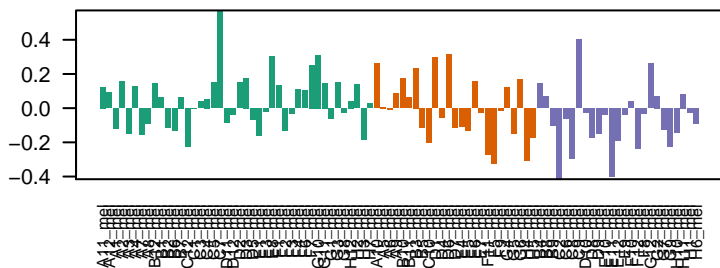
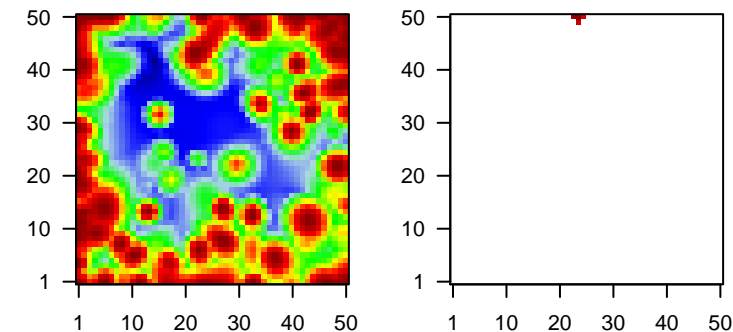
MSC1 : 4 (9.5 %)

MSC2 : 4 (16 %)

MSC3 : 2 (8 %)

Overview Map

Spot

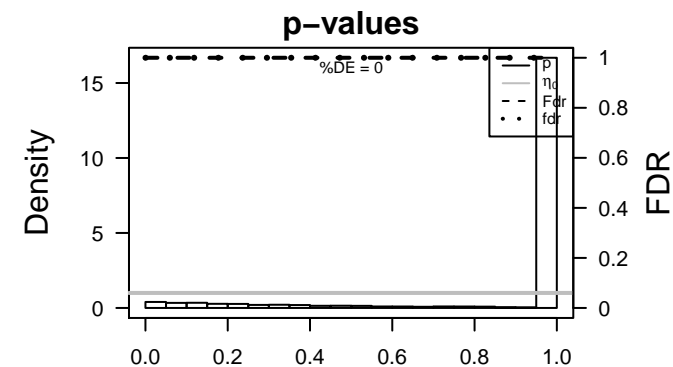


Spot Genelist

Rank	ID	max e	r	min e	Description
1	ZNF57	1.75	-0.34	0.27	ZNF57 zinc finger protein 57 [Source:HGNC Symbol;Acc:HGNC:131:
2	ZBED8	1.6	-0.16	0.32	ZBED8 zinc finger, BED-type containing 8 [Source:HGNC Symbol;Acc:
3	ZNF581	1.52	-0.4	0.26	ZNF581 zinc finger protein 581 [Source:HGNC Symbol;Acc:HGNC:25:
4	DENND6A	1.52	-0.47	0.35	DENND6A DENN/MADD domain containing 6A [Source:HGNC Symbol;Acc:
5	TDRKH	1.51	-0.28	0.3	TDRKH tudor and KH domain containing [Source:HGNC Symbol;Acc:
6	CPEB2	1.51	-0.47	0.27	CPEB2 cytoplasmic polyadenylation element binding protein 2 [Sourc
7	C16orf93	1.5	-0.17	0.22	C16orf93 chromosome 16 open reading frame 93 [Source:HGNC Symt
8	PLEKHF2	1.48	-0.28	0.36	PLEKHF2 pleckstrin homology domain containing, family F (with FYVE c
9	PNPLA4	1.44	-0.52	0.35	PNPLA4 patatin-like phospholipase domain containing 4 [Source:HGNC
10	ANKMY2	1.43	-0.4	0.33	ANKMY2 ankyrin repeat and MYND domain containing 2 [Source:HGNC
11	INVS	1.41	-0.64	0.28	INVS inversin [Source:HGNC Symbol;Acc:HGNC:17870]
12	INTS10	1.39	-1.31	0.29	INTS10 integrator complex subunit 10 [Source:HGNC Symbol;Acc:HC
13	CXXC4	1.39	-0.1	0.37	CXXC4 CXXC finger protein 4 [Source:HGNC Symbol;Acc:HGNC:24:
14	SLC39A4	1.38	-0.25	0.28	SLC39A4 solute carrier family 39 (zinc transporter), member 4 [Source:
15	CLK4	1.37	-0.51	0.24	CLK4 CDC-like kinase 4 [Source:HGNC Symbol;Acc:HGNC:13659
16	DDX20	1.37	-0.43	0.26	DDX20 DEAD (Asp-Glu-Ala-Asp) box polypeptide 20 [Source:HGNC
17	CAPNS1	1.33	-1.11	0.38	CAPNS1 calpain, small subunit 1 [Source:HGNC Symbol;Acc:HGNC:1:
18	SLC35B3	1.33	-0.61	0.3	SLC35B3 solute carrier family 35 (adenosine 3'-phospho 5'-phospho
19	NME6	1.33	-0.84	0.33	NME6 NME/NM23 nucleoside diphosphate kinase 6 [Source:HGNC
20	ATG4B	1.33	-0.92	0.34	ATG4B autophagy related 4B, cysteine peptidase [Source:HGNC Syr

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	2e-06	52 / 9482	Colon TssA_Colon
2	4e-05	30 / 4032	TF ICGC_Creb1_targets
3	1e-04	33 / 4909	TF ICGC_Stat5_targets
4	1e-04	32 / 4689	TF ICGC_Taf1_targets
5	1e-04	48 / 9027	Colon Tx_Colon
6	2e-04	31 / 4617	TF ICGC_Tcf12_targets
7	2e-04	32 / 4879	TF ICGC_Pmlsc71910_targets
8	3e-04	3 / 34	miRN hsa-miR-517b
9	3e-04	31 / 4706	TF ICGC_Sp1_targets
10	3e-04	33 / 5200	TF ICGC_Mta3_targets
11	3e-04	47 / 9013	Brain Overlap_fetal_midbrain_K9K27me3
12	4e-04	48 / 9330	Brain Overlap_fetal_midbrain_ReprPC
13	5e-04	31 / 4829	TF ICGC_Nficsc81335_targets
14	6e-04	33 / 5355	TF ICGC_Pol2_targets
15	7e-04	39 / 6929	Lymp HOPP_Txn_elongation
16	7e-04	18 / 2136	TF ICGC_GabpPcr2_targets
17	7e-04	30 / 4682	TF ICGC_Pol24_targets
18	7e-04	14 / 1418	TF ICGC_Ets1_targets
19	9e-04	35 / 5940	Brain Overlap_fetal_midbrain_HetRpts
20	1e-03	3 / 51	miRN hsa-miR-504
21	1e-03	50 / 10290	Color TssWk_Colon
22	1e-03	33 / 5495	TF ICGC_Yy1_targets
23	1e-03	2 / 13	miRN hsa-miR-638
24	1e-03	25 / 3700	TF ICGC_Nfatc1_targets
25	1e-03	28 / 4385	TF ICGC_Atf2_targets
26	1e-03	16 / 1878	TF ICGC_Cebpbsc150_targets
27	2e-03	6 / 328	miRN hsa-miR-18a
28	2e-03	28 / 4414	TF ICGC_Bclaf101388_targets
29	2e-03	32 / 5374	TF ICGC_Pax5_targets
30	2e-03	44 / 8580	Color TxWk_Colon
31	2e-03	34 / 5890	TF ICGC_Elf1_targets
32	3e-03	25 / 3924	TF ICGC_Zeb1_targets
33	3e-03	4 / 161	miRN hsa-miR-802
34	4e-03	5 / 269	miRN hsa-miR-30d
35	4e-03	34 / 6114	TF ICGC_Runx3_targets
36	4e-03	21 / 3081	Brain Mid_Frontal_Lobe_ZNF
37	4e-03	31 / 5408	TF ICGC_Pou2_targets
38	4e-03	38 / 7209	Lymp HOPP_Weak_promoter
39	4e-03	2 / 26	BP negative regulation of GTPase activity
40	5e-03	3 / 88	miRN hsa-miR-10a



Overexpression Spots

Spot Summary: E

metagenes = 18
genes = 348

<r> metagenes = 0.91
<r> genes = 0.28
beta: r2= 8.96 / log p= -Inf

samples with spot = 30 (32.6 %)
MSC1 : 29 (69 %)
MSC3 : 1 (4 %)

Spot Genelist

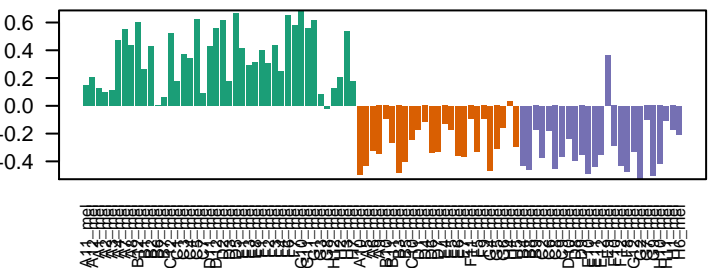
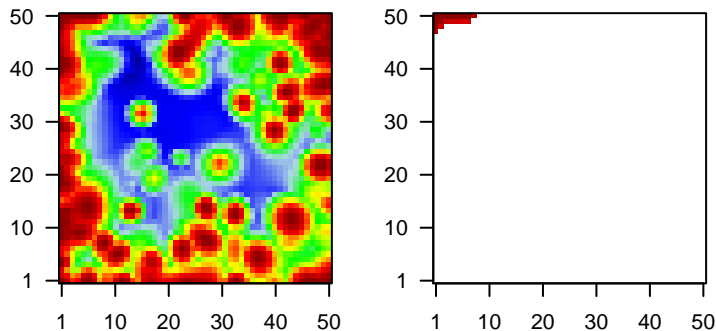
Rank	ID	max e	r	min e	Description
1	UBE2C	2.22	-1.05	0.87	UBE2C ubiquitin-conjugating enzyme E2C [Source:HGNC Symbol;Acc:HGNC:1579]
2	NUF2	2.2	-0.57	0.84	NUF2, NDC80 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:1579]
3	CDK1	2.16	-1.11	0.84	CDK1 cyclin-dependent kinase 1 [Source:HGNC Symbol;Acc:HGNC:1579]
4	CCNB1	2.14	-1.08	0.66	CCNB1 cyclin B1 [Source:HGNC Symbol;Acc:HGNC:1579]
5	NEK2	2.14	-0.38	0.68	NEK2 NIMA-related kinase 2 [Source:HGNC Symbol;Acc:HGNC:7719]
6	SMCO4	2.1	-0.21	0.34	SMCO4 single-pass membrane protein with coiled-coil domains 4 [Source:HGNC Symbol;Acc:HGNC:1579]
7	PLK1	2.09	-0.46	0.65	PLK1 polo-like kinase 1 [Source:HGNC Symbol;Acc:HGNC:9077]
8	AURKB	2.03	-0.61	0.79	AURKB aurora kinase B [Source:HGNC Symbol;Acc:HGNC:11390]
9	CKAP2L	2.01	-0.57	0.84	CKAP2L cytoskeleton associated protein 2-like [Source:HGNC Symbol;Acc:HGNC:1579]
10	CDC20	2	-0.67	0.71	CDC20 cell division cycle 20 [Source:HGNC Symbol;Acc:HGNC:1722]
11	KIF20A	1.98	-0.39	0.74	KIF20A kinesin family member 20A [Source:HGNC Symbol;Acc:HGNC:1579]
12	NDC80	1.96	-0.62	0.87	NDC80 NDC80 kinetochore complex component [Source:HGNC Symbol;Acc:HGNC:1579]
13	DLGAP5	1.93	-0.47	0.78	DLGAP5 discs, large (Drosophila) homolog-associated protein 5 [Source:HGNC Symbol;Acc:HGNC:1579]
14	PRR11	1.93	-0.5	0.75	PRR11 proline rich 11 [Source:HGNC Symbol;Acc:HGNC:25619]
15	RRM2	1.92	-0.76	0.86	RRM2 ribonucleotide reductase M2 [Source:HGNC Symbol;Acc:HGNC:1579]
16	SGOL1	1.91	-0.72	0.75	SGOL1 shugoshin-like 1 (S. pombe) [Source:HGNC Symbol;Acc:HGNC:1579]
17	HIST1H4E	1.9	-0.46	0.45	HIST1H4E histone cluster 1, H4e [Source:HGNC Symbol;Acc:HGNC:4742]
18	CDCA3	1.88	-0.49	0.83	CDCA3 cell division cycle associated 3 [Source:HGNC Symbol;Acc:HGNC:1579]
19	PBK	1.85	-0.67	0.8	PBK PDZ binding kinase [Source:HGNC Symbol;Acc:HGNC:1828]
20	FAM64A	1.85	-0.57	0.76	FAM64A family with sequence similarity 64, member A [Source:HGNC Symbol;Acc:HGNC:1579]

Geneset Overrepresentation

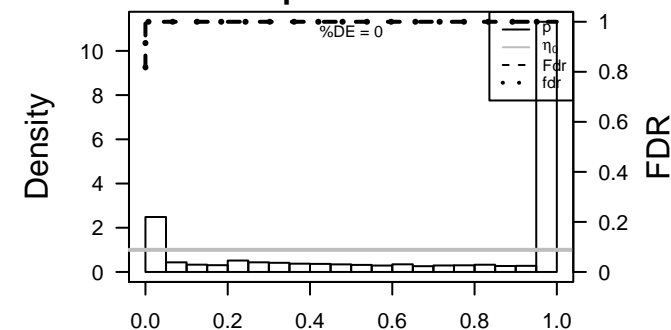
Rank	p-value	#in/all	Geneset
1	1e-99	196 / 1110	BP cell cycle
2	1e-99	119 / 412	BP mitotic cell cycle
3	1e-99	117 / 142	Glio WILLSCHEER_GBM_Verhaak-CL_up (C)
4	1e-99	103 / 197	HM HALLMARK_E2F_TARGETS
5	1e-99	12 / 16	Cancer SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_UP
6	1e-99	234 / 1192	GSE/ KINSEY_TARGETS_OF_EWSR1_FLII_FUSION_UP
7	1e-99	202 / 1251	GSE/ DODD_NASOPHARYNGEAL_CARCINOMA_DN
8	1e-99	129 / 505	GSE/ BERENJENO_TRANSFORMED_BY_RHOA_UP
9	1e-99	98 / 139	GSE/ ROSTY_CERVICAL_CANCER_PROLIFERATION_CLUSTER
10	1e-99	121 / 390	GSE/ PUJANA_BRCA2_PCC_NETWORK
11	1e-99	167 / 944	GSE/ NUYTTEN_EZH2_TARGETS_DN
12	1e-99	154 / 616	GSE/ BENPORATH_CYCLING_GENES
13	1e-99	177 / 700	GSE/ MARSON_BOUND_BY_E2F4_UNSTIMULATED
14	1e-99	114 / 327	GSE/ BLUM_RESPONSE_TO_SALIRASIB_DN
15	1e-99	91 / 145	GSE/ CHANG_CYCLING_GENES
16	1e-99	135 / 436	GSE/ SHEDDEN_LUNG_CANCER_POOR_SURVIVAL_A6
17	1e-99	117 / 267	GSE/ ZHANG_TLX_TARGETS_60HR_DN
18	1e-99	136 / 242	GSE/ KOBAYASHI_EGFR_SIGNALING_24HR_DN
19	1e-99	163 / 305	GSE/ DUTERTRE ESTRADIOL_RESPONSE_24HR_UP
20	1e-99	218 / 550	GSE/ GOBERT_OLIGODENDROCYTE_DIFFERENTIATION_UP
21	3e-97	85 / 162	GSE/ GRAHAM_CML_DIVIDING_VS_NORMAL_QUIESCENT_UP
22	5e-95	70 / 96	GSE/ CROONQUIST_IL6_DEPRIVATION_DN
23	2e-92	81 / 155	GSE/ HOFFMANN_LARGE_TO_SMALL_PRE_BII_LYMPHOCYTE_UP
24	4e-92	75 / 124	GSE/ ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_24HR
25	2e-89	118 / 489	Cancer Lembcke_Normal vs Adenoma
26	3e-88	95 / 270	GSE/ BASAKI_YBX1_TARGETS_UP
27	4e-88	66 / 93	GSE/ KONG_E2F3_TARGETS
28	8e-88	106 / 373	GSE/ VECCHI_GASTRIC_CANCER_EARLY_UP
29	1e-87	97 / 291	GSE/ HORIUCHI_WTAP_TARGETS_DN
30	3e-87	67 / 99	GSE/ BURTON_ADIPOGENESIS_3
31	3e-86	62 / 81	GSE/ GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDING_DN
32	3e-86	69 / 110	GSE/ WHITEFORD_PEDIATRIC_CANCER_MARKERS
33	8e-86	106 / 388	GSE/ REACTOME_CELL_CYCLE
34	3e-84	83 / 198	GSE/ FUJII_YBX1_TARGETS_DN
35	3e-84	132 / 724	GSE/ PUJANA_CHEK2_PCC_NETWORK
36	8e-84	116 / 517	GSE/ FEVR_CTNNB1_TARGETS_DN
37	1e-82	78 / 171	GSE/ SARRIO_EPITHELIAL_MESENCHYMAL_TRANSITION_UP
38	1e-81	94 / 301	GSE/ REACTOME_CELL_CYCLE_MITOTIC
39	3e-81	64 / 99	GSE/ LEE_EARLY_T_LYMPHOCYTE_UP
40	6e-79	82 / 216	GSE/ MARKEY_RB1_ACUTE_LOF_DN

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: F

metagenes = 12
genes = 81

<r> metagenes = 0.96
<r> genes = 0.1
beta: r2= 1.19 / log p= -Inf

samples with spot = 11 (12 %)

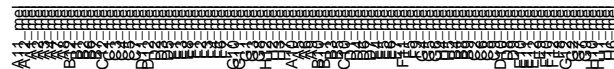
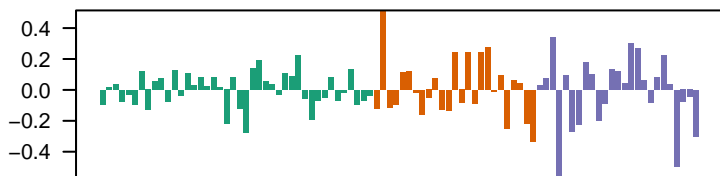
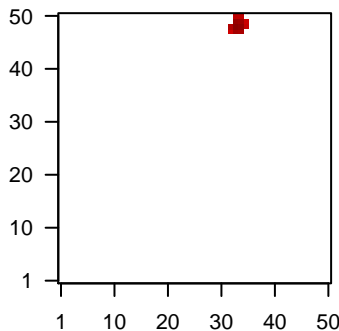
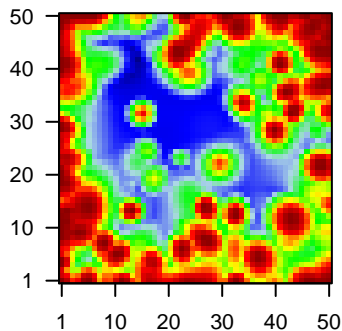
MSC1 : 2 (4.8 %)

MSC2 : 5 (20 %)

MSC3 : 4 (16 %)

Overview Map

Spot

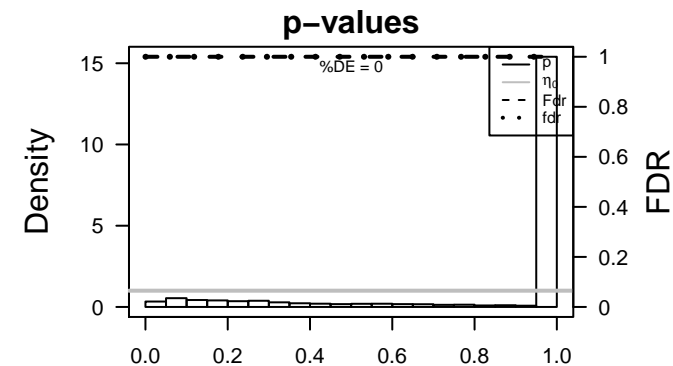


Spot Genelist

Rank	ID	max e	r	min e	Description
					Symbol
1	SLC25A35	1.83	-0.09	0.35	SLC25A35 solute carrier family 25, member 35 [Source:HGNC Symbol;Acc:HGNC:9330]
2	FBXW4	1.8	-0.4	0.22	FBXW4 F-box and WD repeat domain containing 4 [Source:HGNC Symbol;Acc:HGNC:9222]
3	RAD51B	1.8	-0.76	0.28	RAD51B RAD51 paralogue B [Source:HGNC Symbol;Acc:HGNC:9822]
4	PLD6	1.73	-0.29	0.35	PLD6 phospholipase D family, member 6 [Source:HGNC Symbol;Acc:HGNC:9822]
5	ENPP5	1.7	-0.2	0.33	ENPP5 ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative) [Source:HGNC Symbol;Acc:HGNC:9822]
6	DHRS12	1.62	-0.43	0.27	DHRS12 dehydrogenase/reductase (SDR family) member 12 [Source:HGNC Symbol;Acc:HGNC:9822]
7	KIAA1211	1.58	-0.17	0.24	KIAA1211 KIAA1211 [Source:HGNC Symbol;Acc:HGNC:29219]
8	BCHE	1.54	-0.55	0.27	BCHE butyrylcholinesterase [Source:HGNC Symbol;Acc:HGNC:983]
9	UBXN8	1.53	-0.63	0.19	UBXN8 UBX domain protein 8 [Source:HGNC Symbol;Acc:HGNC:30]
10	UBE3D	1.5	-0.35	0.36	UBE3D ubiquitin protein ligase E3D [Source:HGNC Symbol;Acc:HGNC:9822]
11	IGF2BP3	1.5	-0.64	0.24	IGF2BP3 insulin-like growth factor 2 mRNA binding protein 3 [Source:HGNC Symbol;Acc:HGNC:9822]
12	USP30	1.47	-0.19	0.25	USP30 ubiquitin specific peptidase 30 [Source:HGNC Symbol;Acc:HGNC:9822]
13	RBM41	1.46	-0.67	0.27	RBM41 RNA binding motif protein 41 [Source:HGNC Symbol;Acc:HGNC:9822]
14	TOR3A	1.45	-0.15	0.29	TOR3A torsk family 3, member A [Source:HGNC Symbol;Acc:HGNC:9822]
15	SLC1A3	1.44	-0.21	0.3	SLC1A3 solute carrier family 1 (glial high affinity glutamate transporter) [Source:HGNC Symbol;Acc:HGNC:9822]
16	LRAT	1.42	-0.11	0.23	LRAT lecithin retinol acyltransferase (phosphatidylcholine--retinol) [Source:HGNC Symbol;Acc:HGNC:9822]
17	TTC4	1.42	-0.66	0.21	TTC4 tetratricopeptide repeat domain 4 [Source:HGNC Symbol;Acc:HGNC:9822]
18	TGS1	1.4	-0.49	0.27	TGS1 trimethylguanosine synthase 1 [Source:HGNC Symbol;Acc:HGNC:9822]
19	ZNF708	1.37	-0.25	0.32	ZNF708 zinc finger protein 708 [Source:HGNC Symbol;Acc:HGNC:12]
20	PCGF1	1.37	-0.72	0.41	PCGF1 polycomb group ring finger 1 [Source:HGNC Symbol;Acc:HGNC:9822]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	7e-06	67 / 9013	Brain Overlap_fetal_midbrain_K9K27me3
2	3e-05	67 / 9330	Brain Overlap_fetal_midbrain_ReprPC
3	2e-04	62 / 8580	Colon TxWk_Colon
4	2e-04	3 / 23	BP ncRNA metabolic process
5	3e-04	66 / 9528	Brain Overlap_fetal_midbrain_Quies
6	3e-04	9 / 393	BP mRNA processing
7	3e-04	53 / 6929	Lymph HOPP_Txn_elongation
8	5e-04	63 / 9027	Colon Tx_Colon
9	5e-04	3 / 29	BP spliceosomal snRNP assembly
10	5e-04	65 / 9482	Colon TssA_Colon
11	8e-04	17 / 1365	MF RNA binding
12	9e-04	14 / 1007	MF poly(A) RNA binding
13	1e-03	55 / 7592	Lymph HOPP_Active_promoter
14	1e-03	46 / 5940	Brain Overlap_fetal_midbrain_HetRpts
15	1e-03	2 / 10	MF protein phosphatase type 1 regulator activity
16	1e-03	8 / 394	MF catalytic activity
17	2e-03	16 / 1326	GSE/ DIAZ_CHRONIC_MEYLOGENOUS_LEUKEMIA_UP
18	2e-03	2 / 12	BP histone H2A monoubiquitination
19	2e-03	2 / 12	BP mitochondrial fusion
20	2e-03	3 / 47	miRN hsa-miR-518e*
21	2e-03	3 / 47	GSE/ REACTOME_METABOLISM_OF_NON_CODING_RNA
22	2e-03	5 / 167	GSE/ YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_13
23	2e-03	12 / 862	GSE/ JOHNSTONE_PARVB_TARGETS_3_DN
24	2e-03	4 / 104	miRN hsa-miR-525-5p
25	2e-03	7 / 341	GSE/ MONNIER_POSTRADIATION_TUMOR_ESCAPE_DN
26	2e-03	61 / 9020	Brain Overlap_fetal_midbrain_ReprPCWk
27	3e-03	2 / 14	BP natural killer cell mediated cytotoxicity
28	3e-03	4 / 108	CC late endosome
29	3e-03	2 / 15	BP regulation of DNA-templated transcription, elongation
30	3e-03	16 / 1400	TF ICGC_Myc_targets
31	3e-03	2 / 16	BP cell separation after cytokinesis
32	3e-03	2 / 16	BP regulation of centrosome duplication
33	4e-03	10 / 681	GSE/ RODRIGUES_THYROID_CARCINOMA_ANAPLASTIC_UP
34	4e-03	14 / 1171	TF KIM_MYC_targets
35	4e-03	3 / 60	BP mRNA transport
36	5e-03	14 / 1201	CC endoplasmic reticulum
37	5e-03	3 / 65	GSE/ TCGA_GLIOMASTOMA_COPY_NUMBER_UP
38	5e-03	4 / 131	BP ribonucleoprotein complex assembly
39	6e-03	2 / 21	BP positive regulation of viral genome replication
40	6e-03	2 / 22	GSE/ CHEOK_RESPONSE_TO_HD_MTX_DN



Overexpression Spots

Spot Summary: G

metagenes = 4
genes = 143

<r> metagenes = 1
<r> genes = 0.27
beta: r2= 0.62 / log p= -Inf

samples with spot = 1 (1.1 %)
MSC2 : 1 (4 %)

Spot Genelist

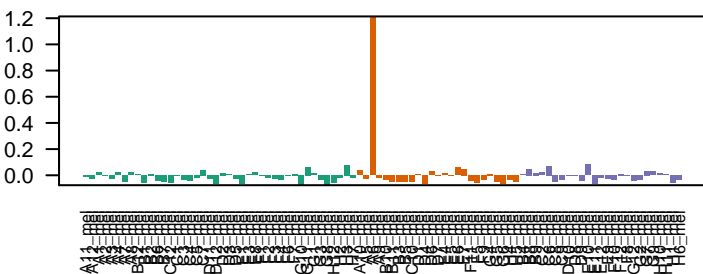
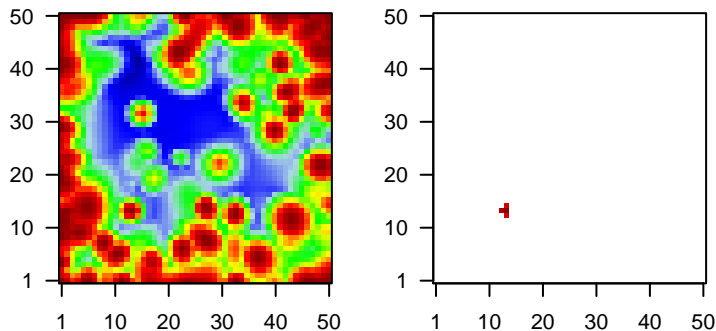
Rank	ID	max e	r	min e	Description
					Symbol
1	C3orf14	2.29	-0.16	0.39	C3orf14 chromosome 3 open reading frame 14 [Source:HGNC Symbc
2	MDK	2.02	-0.1	0.54	MDK midkine (neurite growth-promoting factor 2) [Source:HGNC S
3	C10orf107	1.93	-0.08	0.67	C10orf107 chromosome 10 open reading frame 107 [Source:HGNC Syrr
4	ANKS1B	1.88	-0.13	0.64	ANKS1B ankyrin repeat and sterile alpha motif domain containing 1B [
5	MEGF10	1.88	-0.23	0.44	MEGF10 multiple EGF-like-domains 10 [Source:HGNC Symbol;Acc:H
6	ZNF442	1.86	-0.19	0.45	ZNF442 zinc finger protein 442 [Source:HGNC Symbol;Acc:HGNC:20
7	NEK3	1.8	-0.27	0.32	NEK3 NIMA-related kinase 3 [Source:HGNC Symbol;Acc:HGNC:77
8	C9orf92	1.79	-0.1	0.62	C9orf92 chromosome 9 open reading frame 92 [Source:HGNC Symbc
9	MDGA2	1.77	-0.23	0.41	MDGA2 MAM domain containing glycosylphosphatidylinositol anchor :
10	THAP9	1.76	-0.33	0.34	THAP9 THAP domain containing 9 [Source:HGNC Symbol;Acc:HGNC
11	MCU	1.74	-0.18	0.47	MCU mitochondrial calcium uniporter [Source:HGNC Symbol;Acc:it
12	NFKBIE	1.74	-0.22	0.3	NFKBIE nuclear factor of kappa light polypeptide gene enhancer in B-
13	SNAP25	1.72	-0.13	0.43	SNAP25 synaptosomal-associated protein, 25kDa [Source:HGNC Syr
14	ZSCAN26	1.72	-0.31	0.26	ZSCAN26 zinc finger and SCAN domain containing 26 [Source:HGNC S
15	GIT2	1.69	-0.46	0.25	GIT2 G protein-coupled receptor kinase interacting ArfGAP 2 [Sou
16	CTIF	1.67	-0.36	0.29	CTIF CBP80/20-dependent translation initiation factor [Source:HG
17	ALDH1A1	1.65	-0.08	0.91	ALDH1A1 aldehyde dehydrogenase 1 family, member A1 [Source:HGNC
18	TTYH2	1.65	-0.14	0.49	TTYH2 tweety family member 2 [Source:HGNC Symbol;Acc:HGNC:1
19	ZNF669	1.65	-0.44	0.2	ZNF669 zinc finger protein 669 [Source:HGNC Symbol;Acc:HGNC:25
20	PRKD2	1.64	-0.08	0.55	PRKD2 protein kinase D2 [Source:HGNC Symbol;Acc:HGNC:17293]

Geneset Overrepresentation

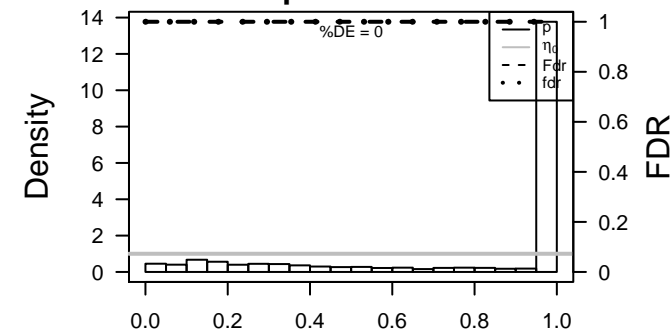
Rank	p-value	#in/all	Geneset
1	3e-05	3 / 7	Lifest: DUMEAUX_Women normal BMI literature genes up
2	2e-04	19 / 775	CC extracellular space
3	2e-04	4 / 30	LympI TARTE_B-cell signature
4	2e-04	4 / 31	GSE/ TARTE_PLASMA_CELL_VS_B_LYMPHOCYTE_DN
5	2e-04	13 / 427	GSE/ NABA_MATRISOME_ASSOCIATED
6	3e-04	16 / 616	GSE/ NABA_MATRISOME
7	3e-04	8 / 179	GSE/ NABA_SECRETED_FACTORS
8	4e-04	3 / 16	BP calcium ion-dependent exocytosis
9	6e-04	5 / 72	GSE/ DIAZ_CHRONIC_MEYLOGENOUS_LEUKEMIA_DN
10	9e-04	7 / 160	GSE/ WIERENGA_STAT5A_TARGETS_DN
11	9e-04	32 / 1889	Color ReprPCWk_Colon
12	1e-03	11 / 379	GSE/ REACTOME_SIGNALING_BY_GPCR
13	1e-03	5 / 85	BP response to virus
14	2e-03	34 / 2142	Color ReprPC_Colon
15	2e-03	3 / 26	GSE/ REACTOME_CHEMOKINE_RECEPTORS_BIND_CHEMOKINES
16	2e-03	18 / 884	Brain Overlap_fetal_midbrain_EnhG
17	2e-03	3 / 27	MF chemokine activity
18	2e-03	3 / 27	GSE/ HAHTOLA_SEZARY_SYNDROM_DN
19	2e-03	21 / 1115	Toxic LU_BPDE 1h DN
20	3e-03	4 / 61	GSE/ YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_1
21	3e-03	3 / 30	GSE/ GAUSSMANN_MLL_AF4_FUSION_TARGETS_G_DN
22	3e-03	21 / 1139	TF HEBENSTREIT_low expression TF
23	3e-03	9 / 311	GSE/ SATO_SILENCED_BY_METHYLATION_IN_PANCREATIC_CANCER_1
24	3e-03	9 / 314	Color Lembcke_TCGA_meth_kmeans_E_CIMP_H_UP_
25	4e-03	23 / 1317	Color EnhP_Colon
26	4e-03	2 / 10	BP DNA integration
27	4e-03	2 / 10	MF ephrin receptor activity
28	4e-03	2 / 10	MF guanylate kinase activity
29	4e-03	2 / 10	MF proteoglycan binding
30	4e-03	2 / 10	BP regulation of sodium ion transmembrane transporter activity
31	4e-03	2 / 10	GSE/ TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_ERYTHROCYTE_D
32	4e-03	2 / 10	GSE/ IGLESIAS_E2F_TARGETS_DN
33	4e-03	10 / 385	GSE/ MIKKELSEN_NPC_ICP_WITH_H3K4ME3
34	4e-03	33 / 2159	Color TssP_Colon
35	5e-03	3 / 35	BP negative regulation of Wnt signaling pathway
36	5e-03	2 / 11	BP positive regulation of interleukin-2 production
37	5e-03	2 / 11	Glio Donson-immune cell intra signaling-associated with LTS in HGA
38	5e-03	3 / 37	TF T: VAQUERIZAS_Thymus
39	5e-03	4 / 73	CC basement membrane
40	6e-03	3 / 38	BP regulation of G-protein coupled receptor protein signaling pathway

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: H

metagenes = 11
genes = 216

<r> metagenes = 0.97
<r> genes = 0.16
beta: r2= 2.2 / log p= -Inf

samples with spot = 21 (22.8 %)

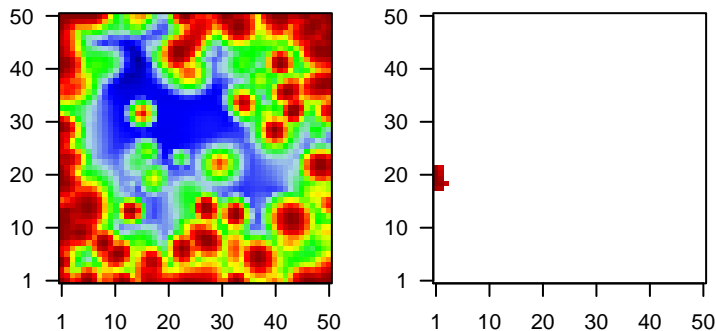
MSC1 : 14 (33.3 %)

MSC2 : 3 (12 %)

MSC3 : 4 (16 %)

Overview Map

Spot

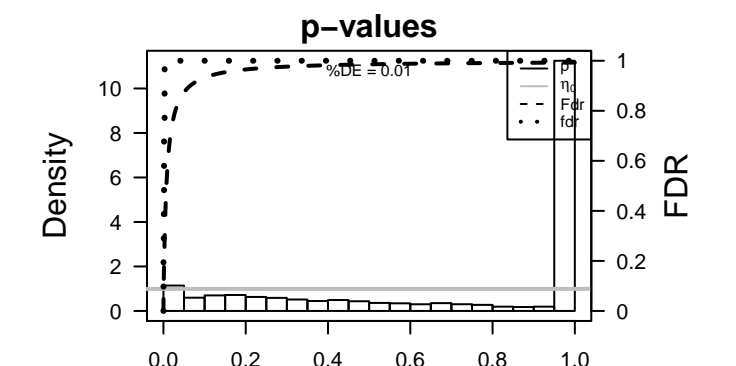
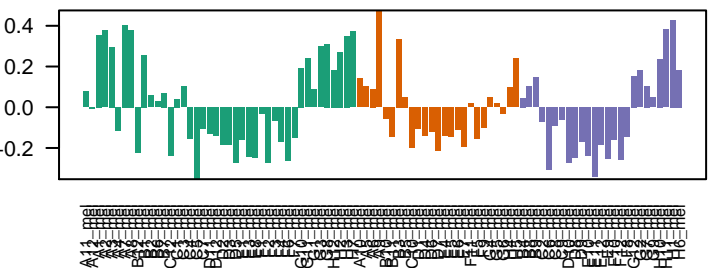


Spot Genelist

Rank	ID	max e	r	min e	Description
1	RAB40B	1.91	-0.31	0.29	RAB40B RAB40B, member RAS oncogene family [Source:HGNC Sym
2	ARRDC1	1.83	-0.36	0.26	ARRDC1arrestin domain containing 1 [Source:HGNC Symbol;Acc:HGI
3	FAM131A	1.78	-0.18	0.29	FAM131Afamily with sequence similarity 131, member A [Source:HGNC
4	DBNDD2	1.77	-0.24	0.33	DBNDD2dysbindin (dystrobrein binding protein 1) domain containing :
5	IFNAR2	1.71	-0.41	0.45	IFNAR2 interferon (alpha, beta and omega) receptor 2 [Source:HGNC
6	LMLN	1.68	-0.37	0.26	LMLN leishmanolysin-like (metallopeptidase M8 family) [Source:HG
7	MIOS	1.64	-0.23	0.29	MIOS missing oocyte, meiosis regulator, homolog (Drosophila) [Sou
8	SDCCAG3	1.61	-0.51	0.35	SDCCAG3serologically defined colon cancer antigen 3 [Source:HGNC S
9	GET4	1.6	-0.28	0.32	GET4 golgi to ER traffic protein 4 homolog (S. cerevisiae) [Source:G
10	DNAJC4	1.59	-0.96	0.27	DNAJC4 DnaJ (Hsp40) homolog, subfamily C, member 4 [Source:HGNC
11	SLC35A3	1.58	-0.48	0.31	SLC35A3solute carrier family 35 (UDP-N-acetylglucosamine (UDP-G
12	E2F4	1.58	-0.5	0.36	E2F4 E2F transcription factor 4, p107/p130-binding [Source:HGNC
13	DPAGT1	1.54	-0.93	0.29	DPAGT1 dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylgl
14	TMEM18	1.53	-0.87	0.36	TMEM18transmembrane protein 18 [Source:HGNC Symbol;Acc:HGN
15	FAM120A	1.53	-0.59	0.35	FAM120Afamily with sequence similarity 120A opposite strand [Source:
16	RRAGA	1.53	-0.46	0.48	RRAGA Ras-related GTP binding A [Source:HGNC Symbol;Acc:HGN
17	PIK3R4	1.52	-0.78	0.21	PIK3R4 phosphoinositide-3-kinase, regulatory subunit 4 [Source:HGI
18	ENG	1.5	-0.47	0.28	ENG endoglin [Source:HGNC Symbol;Acc:HGNC:3349]
19	OGFOD3	1.49	-0.6	0.44	OGFOD32-oxoglutarate and iron-dependent oxygenase domain conta
20	PEX10	1.49	-0.23	0.32	PEX10 peroxisomal biogenesis factor 10 [Source:HGNC Symbol;Acc

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	4e-17	192 / 9482	Colon TssA_Colon
2	1e-13	158 / 7203	Colon TssF_Colon
3	5e-13	45 / 925	GSE/ KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_DN
4	1e-12	179 / 9013	Brain Overlap_fetal_midbrain_K9K27me3
5	3e-12	168 / 8205	CC cytoplasm
6	7e-11	39 / 831	GSE/ KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_DN
7	6e-08	48 / 1468	CC mitochondrion
8	7e-08	42 / 1201	CC endoplasmic reticulum
9	1e-07	28 / 619	GSE/ KIM_BIPOLAR_DISORDER_OLIGODENDROCYTE_DENSITY_CORR_UP
10	1e-07	23 / 440	GSE/ SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_UP
11	1e-07	24 / 478	GSE/ STARK_PREFRONTAL_CORTEX_22Q11_DELETION_DN
12	2e-07	44 / 1326	GSE/ DIAZ_CHRONIC_MEYLOGENOUS_LEUKEMIA_UP
13	2e-07	173 / 9528	Brain Overlap_fetal_midbrain_Quies
14	2e-07	186 / 10605	CC intracellular
15	2e-07	29 / 685	GSE/ KIM_ALL_DISORDERS_OLIGODENDROCYTE_NUMBER_CORR_UP
16	4e-07	166 / 9027	Color Tx_Colon
17	4e-07	16 / 238	GSE/ WAMUNYOKOLI_OVARIAN_CANCER_LMP_UP
18	6e-07	22 / 447	GSE/ ENK_UV_RESPONSE KERATINOCYTE_UP
19	6e-07	14 / 188	GSE/ DAZARD_RESPONSE_TO_UV_NHEK_UP
20	8e-07	173 / 9653	Color Enh_Colon
21	2e-06	74 / 3081	Brain Mid_Frontal_Lobe_ZNF
22	9e-06	174 / 9988	CC organelle
23	2e-05	116 / 5880	Color TssD2_Colon
24	2e-05	4 / 12	BP oxidative phosphorylation
25	2e-05	23 / 598	BP membrane organization
26	5e-05	54 / 2193	CC extracellular exosome
27	8e-05	16 / 363	GSE/ RUTELLA_RESPONSE_TO_HGF_UP
28	9e-05	5 / 32	BP mitochondrion degradation
29	1e-04	7 / 74	GSE/ SMITH_TERT_TARGETS_DN
30	2e-04	7 / 80	GSE/ SASSON_RESPONSE_TO_GONADOTROPHINS_UP
31	2e-04	16 / 385	GSE/ REN_ALVEOLAR_RHABDOMYOSARCOMA_DN
32	2e-04	13 / 274	GSE/ DEBIASI_APOPTOSIS_BY_REOVIRUS_INFECTION_DN
33	2e-04	26 / 840	Chr Chr 17
34	2e-04	29 / 990	GSE/ DANG_BOUND_BY_MYC
35	3e-04	62 / 2798	Color TxEnhG1_Colon
36	3e-04	14 / 327	GSE/ BLUM_RESPONSE_TO_SALIRASIB_DN
37	4e-04	67 / 3132	CC extracellular region
38	4e-04	7 / 94	GSE/ NIKOLSKY_BREAST_CANCER_16P13_AMPLICON
39	5e-04	3 / 11	MF proton-transporting ATP synthase activity, rotational mechanism
40	5e-04	18 / 510	GSE/ FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_OK_VS_DONOR_UP



Overexpression Spots

Spot Summary: I

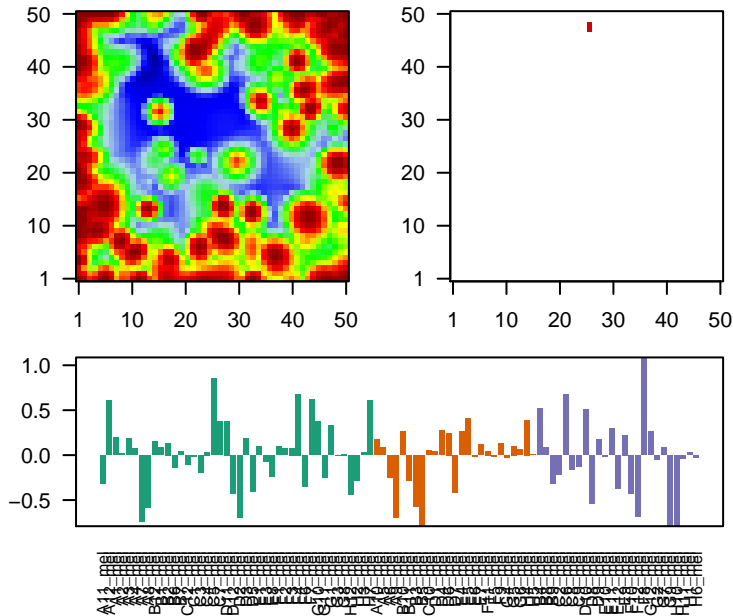
metagenes = 2
genes = 2

<r> metagenes = 1
<r> genes = 0.52
beta: r2= 0.83 / log p= -Inf

samples with spot = 25 (27.2 %)
MSC1 : 12 (28.6 %)
MSC2 : 6 (24 %)
MSC3 : 7 (28 %)

Overview Map

Spot

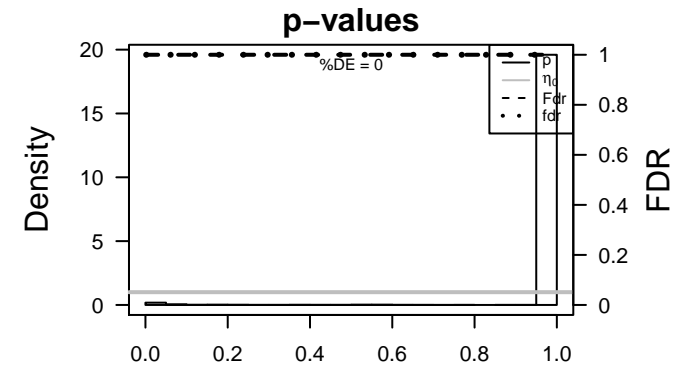


Spot Genelist

Rank	ID	max e	r	min e	Description
					Symbol
1	IFT172	1.7	-0.2	0.23	IFT172 intraflagellar transport 172 [Source:HGNC Symbol;Acc:HGNC]
2	GPATCH8	0.75	-1.38	0.23	GPATCH8 patch domain containing 8 [Source:HGNC Symbol;Acc:HGNC]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	0.002	1 / 13	BP left/right axis specification
2	0.002	1 / 13	CC sperm principal piece
3	0.002	1 / 14	BP neural tube formation
4	0.002	1 / 16	BP spinal cord motor neuron differentiation
5	0.002	1 / 18	CC intracellular transport particle B
6	0.002	1 / 18	BP positive regulation of smoothened signaling pathway
7	0.002	1 / 18	BP regulation of smoothened signaling pathway
8	0.003	1 / 22	BP cytoplasmic microtubule organization
9	0.003	1 / 23	BP limb development
10	0.004	1 / 33	BP dorsal/ventral pattern formation
11	0.004	1 / 33	GSE/ LASTOWSKA_COAMPLIFIED_WITH_MYCN
12	0.005	1 / 35	miRN hsa-miR-1287
13	0.005	1 / 37	BP neural tube development
14	0.005	1 / 39	BP bone development
15	0.006	1 / 41	CC ciliary tip
16	0.006	1 / 41	BP heart looping
17	0.006	1 / 43	BP determination of left/right symmetry
18	0.006	1 / 44	BP protein processing
19	0.006	1 / 45	GSE/ PID_HEDGEHOG_GLI_PATHWAY
20	0.006	1 / 48	BP negative regulation of epithelial cell proliferation
21	0.007	1 / 51	CC axoneme
22	0.007	1 / 54	miRN hsa-miR-330-5p
23	0.008	1 / 59	BP cilium morphogenesis
24	0.008	1 / 59	BP epidermis development
25	0.008	1 / 59	BP smoothened signaling pathway
26	0.008	1 / 60	miRN hsa-miR-650
27	0.008	1 / 61	BP palate development
28	0.008	1 / 62	miRN hsa-miR-556-5p
29	0.009	1 / 65	miRN hsa-miR-326
30	0.009	1 / 65	miRN hsa-miR-9*
31	0.009	1 / 70	CC primary cilium
32	0.010	1 / 76	BP neural tube closure
33	0.010	1 / 77	CC ciliary basal body
34	0.011	1 / 80	miRN hsa-miR-942
35	0.011	1 / 83	GSE/ DACOSTA_UV_RESPONSE_VIA_ERCC3_TTD_DN
36	0.011	1 / 84	GSE/ DACOSTA_UV_RESPONSE_VIA_ERCC3_XPCS_DN
37	0.011	1 / 85	miRN hsa-miR-433
38	0.012	1 / 88	miRN hsa-miR-587
39	0.013	1 / 97	miRN hsa-miR-1259
40	0.013	1 / 98	GSE/ RICKMAN_TUMOR_DIFFERENTIATED_WELL_VS_MODERATELY_UP



Overexpression Spots

Spot Summary: J

metagenes = 10
genes = 138

<r> metagenes = 0.95
<r> genes = 0.1
beta: r2= 1.7 / log p= -Inf

samples with spot = 14 (15.2 %)
MSC1 : 5 (11.9 %)
MSC2 : 5 (20 %)
MSC3 : 4 (16 %)

Spot Genelist

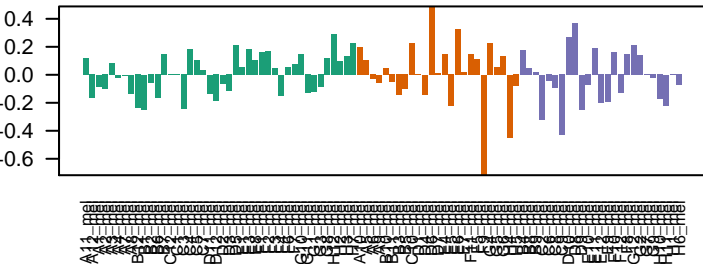
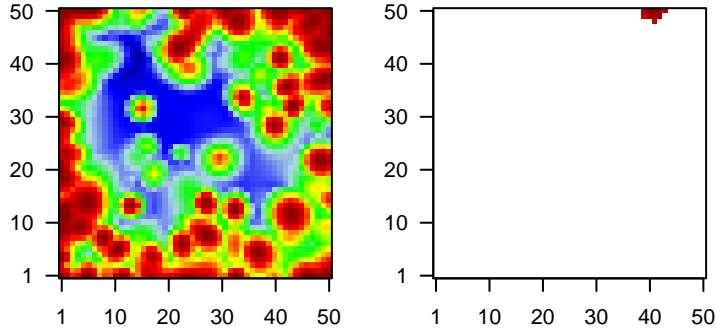
Rank	ID	max e	r	min e	Description
					Symbol
1	MYO1E	1.87	-0.47	0.35	MYO1E myosin IE [Source:HGNC Symbol;Acc:HGNC:7599]
2	EMC1	1.82	-0.59	0.33	EMC1 ER membrane protein complex subunit 1 [Source:HGNC Syrr
3	SELL	1.69	-0.16	0.33	SELL selectin L [Source:HGNC Symbol;Acc:HGNC:10720]
4	GULP1	1.65	-0.53	0.26	GULP1 GULP, engulfment adaptor PTB domain containing 1 [Source:
5	PGBD2	1.63	-0.39	0.31	PGBD2 piggyBac transposable element derived 2 [Source:HGNC Syr
6	STK11IP	1.61	-0.17	0.35	STK11IP serine/threonine kinase 11 interacting protein [Source:HGNC
7	LIPT1	1.57	-0.38	0.29	LIPT1 lipoyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:29569]
8	FUCA1	1.57	-0.24	0.34	FUCA1 fucosidase, alpha-L- 1, tissue [Source:HGNC Symbol;Acc:H
9	GPX8	1.56	-0.72	0.32	GPX8 glutathione peroxidase 8 (putative) [Source:HGNC Symbol;Ac
10	FAM114A2	1.56	-0.67	0.26	FAM114A2 family with sequence similarity 114, member A2 [Source:HGNC
11	SIL1	1.56	-0.68	0.35	SIL1 SIL1 nucleotide exchange factor [Source:HGNC Symbol;Acc:
12	PDLIM2	1.55	-0.27	0.24	PDLIM2 PDZ and LIM domain 2 (mystique) [Source:HGNC Symbol;Ac
13	ATG13	1.55	-0.73	0.39	ATG13 autophagy related 13 [Source:HGNC Symbol;Acc:HGNC:290
14	PLA2G4A	1.54	-0.31	0.29	PLA2G4A phospholipase A2, group IVA (cytosolic, calcium-dependent)
15	PEX13	1.54	-0.59	0.25	PEX13 peroxisomal biogenesis factor 13 [Source:HGNC Symbol;Acc
16	PJA1	1.53	-0.56	0.36	PJA1 praja ring finger 1, E3 ubiquitin protein ligase [Source:HGNC
17	DNAJB9	1.51	-0.61	0.28	DNAJB9 DnaJ (Hsp40) homolog, subfamily B, member 9 [Source:HGNC
18	PARP1	1.51	-0.34	0.23	PARP1 poly (ADP-ribose) polymerase family, member 11 [Source:HC
19	CFH	1.5	-0.41	0.31	CFH complement factor H [Source:HGNC Symbol;Acc:HGNC:488:
20	DDX19B	1.48	-0.89	0.3	DDX19B DEAD (Asp-Glu-Ala-Asp) box polypeptide 19B [Source:HGNC

Geneset Overrepresentation

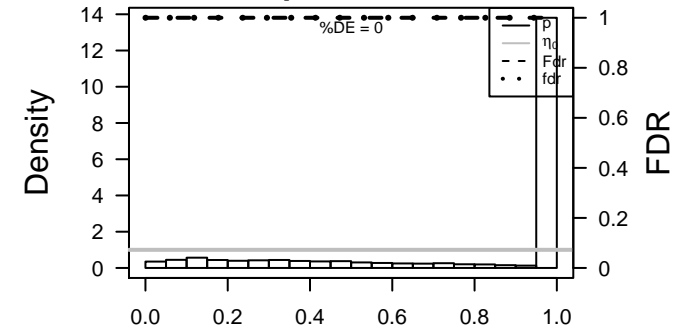
Rank	p-value	#in/all	Geneset
1	4e-11	108 / 7592	Lymp HOPP_Active_promoter
2	5e-11	122 / 9482	Colon TssA_Colon
3	2e-10	101 / 6929	Lymp HOPP_Txn_elongation
4	2e-10	120 / 9330	Brain Overlap_fetal_midbrain_ReprPC
5	6e-07	111 / 9027	Colon Tx_Colon
6	1e-06	110 / 9013	Brain Overlap_fetal_midbrain_K9K27me3
7	2e-06	106 / 8580	Colon TxWk_Colon
8	7e-06	81 / 5940	Brain Overlap_fetal_midbrain_HetRpts
9	1e-05	92 / 7209	Lymp HOPP_Weak_promoter
10	3e-05	14 / 408	GSE/ ZHANG_BREAST_CANCER_PROGENITORS_UP
11	5e-05	99 / 8205	CC cytoplasm
12	2e-04	31 / 1701	TF HEBENSTREIT_high expression TF
13	2e-04	99 / 8415	Colon Quies3_Colon
14	3e-04	68 / 5184	Lymp HOPP_Txn_transition
15	6e-04	16 / 681	GSE/ RODRIGUES_THYROID_CARCINOMA_ANAPLASTIC_UP
16	7e-04	10 / 315	Glio WILLSCHER_GBM_Verhaak-PNwt & CL_up
17	8e-04	11 / 379	GSE/ LIM_MAMMARY_STEM_CELL_DN
18	8e-04	2 / 5	GSE/ CASTELLANO_HRAS_AND_NRAS_TARGETS_UP
19	8e-04	70 / 5538	Lymp HOPP_Weak_txn
20	1e-03	112 / 10290	Colon TssWk_Colon
21	1e-03	7 / 175	miRN hsa-miR-548k
22	1e-03	12 / 462	Chr Chr 14
23	2e-03	18 / 890	GSE/ ACEVEDO_LIVER_CANCER_UP
24	2e-03	7 / 182	GSE/ CHIANG_LIVER_CANCER_SUBCLASS_UNANNOTATED_DN
25	2e-03	3 / 28	GSE/ BONOME_OVARIAN_CANCER_POOR_SURVIVAL_UP
26	3e-03	3 / 30	BP negative regulation of viral genome replication
27	4e-03	2 / 10	MF glutathione binding
28	4e-03	11 / 461	GSE/ BRUINS_UVC_RESPONSE_VIA_TP53_GROUP_B
29	4e-03	4 / 70	Canc SHAUGHNESSY_MM_high risk
30	4e-03	3 / 36	GSE/ SESTO_RESPONSE_TO_UV_C6
31	5e-03	6 / 167	HM HALLMARK_IL2_STAT5_SIGNALING
32	5e-03	11 / 476	GSE/ IVANOVA_HEMATOPOIESIS_LATE_PROGENITOR
33	5e-03	23 / 1400	TF ICGC_Myc_targets
34	5e-03	2 / 12	BP negative regulation of DNA damage response, signal transduction by p53 c
35	6e-03	68 / 5693	Lymp HOPP_Weak_enhancer
36	6e-03	28 / 1858	GSE/ PILON_KLF1_TARGETS_DN
37	6e-03	7 / 235	GSE/ BLUM_RESPONSE_TO_SALIRASIB_UP
38	7e-03	3 / 42	GSE/ MANTOVANI_VIRAL_GPCR_SIGNALING_DN
39	7e-03	2 / 14	GSE/ KEGG_OTHER_GLYCAN_DEGRADATION
40	7e-03	2 / 14	GSE/ KEGG_TERPENOID_BACKBONE_BIOSYNTHESIS

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: K

metagenes = 11
genes = 196

<r> metagenes = 0.95
<r> genes = 0.14
beta: r2= 2.45 / log p= -Inf

samples with spot = 20 (21.7 %)

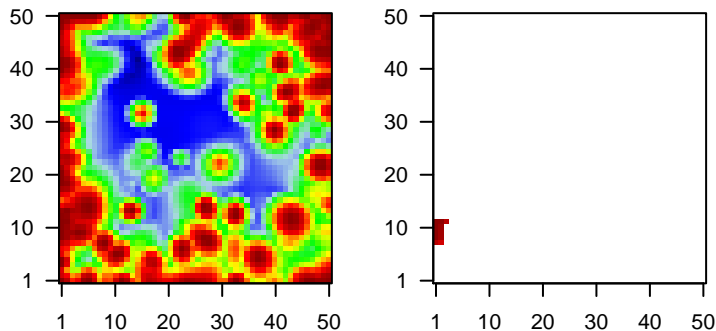
MSC1 : 2 (4.8 %)

MSC2 : 16 (64 %)

MSC3 : 2 (8 %)

Overview Map

Spot

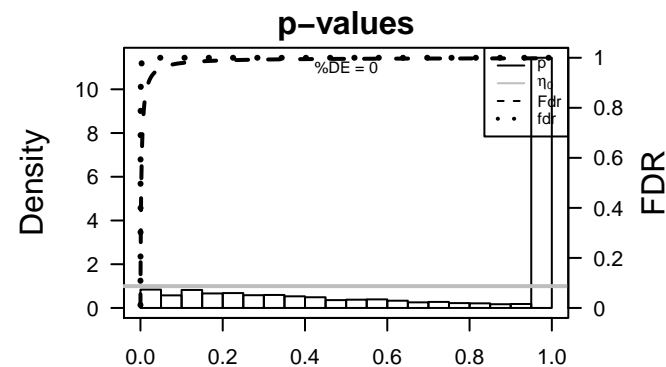
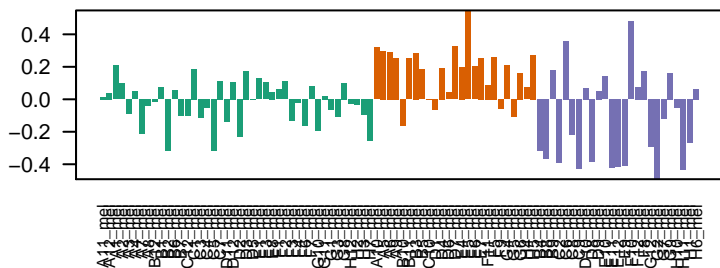


Spot Genelist

Rank	ID	max e	r	min e	Description
					Symbol
1	POPDC2	2.06	-0.33	0.46	POPDC2 popeye domain containing 2 [Source:HGNC Symbol;Acc:HGNC:10000]
2	EGLN3	1.89	-0.41	0.36	EGLN3 egl-9 family hypoxia-inducible factor 3 [Source:HGNC Symbol;Acc:HGNC:10000]
3	KCNQ5	1.87	-0.46	0.35	KCNQ5 potassium channel, voltage gated KQT-like subfamily Q, member 5 [Source:HGNC Symbol;Acc:HGNC:10000]
4	CFAP61	1.86	-0.52	0.45	CFAP61 cilia and flagella associated protein 61 [Source:HGNC Symbol;Acc:HGNC:10000]
5	LYRM9	1.85	-0.31	0.28	LYRM9 LYR motif containing 9 [Source:HGNC Symbol;Acc:HGNC:10000]
6	CC2D1B	1.84	-0.41	0.22	CC2D1B coiled-coil and C2 domain containing 1B [Source:HGNC Symbol;Acc:HGNC:10000]
7	KRTAP19-1	1.78	-0.78	0.4	KRTAP19-1 keratin associated protein 19-1 [Source:HGNC Symbol;Acc:HGNC:10000]
8	GAS8	1.75	-0.56	0.29	GAS8 growth arrest-specific 8 [Source:HGNC Symbol;Acc:HGNC:10000]
9	BBS5	1.74	-0.64	0.36	BBS5 Bardet-Biedl syndrome 5 [Source:HGNC Symbol;Acc:HGNC:10000]
10	C1orf54	1.7	-0.3	0.41	C1orf54 chromosome 1 open reading frame 54 [Source:HGNC Symbol;Acc:HGNC:10000]
11	SUOX	1.69	-0.67	0.27	SUOX sulfite oxidase [Source:HGNC Symbol;Acc:HGNC:11460]
12	PLA1A	1.68	-0.26	0.34	PLA1A phospholipase A1 member A [Source:HGNC Symbol;Acc:HGNC:10000]
13	FUBP3	1.66	-0.52	0.3	FUBP3 far upstream element (FUSE) binding protein 3 [Source:HGNC Symbol;Acc:HGNC:10000]
14	VPS13D	1.65	-0.8	0.38	VPS13D vacuolar protein sorting 13 homolog D (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:10000]
15	PRKCH	1.63	-0.39	0.32	PRKCH protein kinase C, eta [Source:HGNC Symbol;Acc:HGNC:9400]
16	AGPAT6	1.6	-1.04	0.45	AGPAT6 1-acylglycerol-3-phosphate O-acyltransferase 6 [Source:HGNC Symbol;Acc:HGNC:10000]
17	TGDS	1.58	-0.72	0.45	TGDS TDP-glucose 4,6-dehydratase [Source:HGNC Symbol;Acc:HGNC:10000]
18	DGKI	1.57	-0.49	0.35	DGKI diacylglycerol kinase, iota [Source:HGNC Symbol;Acc:HGNC:10000]
19	ZNF18	1.57	-0.32	0.29	ZNF18 zinc finger protein 18 [Source:HGNC Symbol;Acc:HGNC:12900]
20	CEACAM1	1.55	-1.27	0.42	CEACAM1 carcinoembryonic antigen-related cell adhesion molecule 1 (class 1) [Source:HGNC Symbol;Acc:HGNC:10000]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	8e-07	154 / 9330	Brain Overlap_fetal_midbrain_ReprPC
2	2e-06	149 / 9020	Brain Overlap_fetal_midbrain_ReprPCWk
3	3e-06	68 / 3088	CC plasma membrane
4	7e-06	9 / 100	miRN hsa-miR-574-5p
5	2e-05	16 / 353	GSE# ONDER_CDH1_TARGETS_2_DN
6	3e-05	7 / 67	BP pigmentation
7	4e-05	4 / 15	GSE# BOYALT_LIVER_CANCER_SUBCLASS_G56_DN
8	6e-05	4 / 17	MF Ras GTPase binding
9	7e-05	144 / 9013	Brain Overlap_fetal_midbrain_K9K27me3
10	7e-05	15 / 356	GSE# DELYS_THYROID_CANCER_UP
11	1e-04	19 / 552	GSE# HAMAL_APOPTOSIS_VIA_TRAIL_UP
12	1e-04	67 / 3383	Color EnhWk2_Colon
13	1e-04	22 / 705	BP locomotion
14	2e-04	149 / 9528	Brain Overlap_fetal_midbrain_Quies
15	2e-04	74 / 3897	Color Quies1_Colon
16	3e-04	3 / 10	BP negative regulation of smooth muscle cell migration
17	3e-04	3 / 10	MF semaphorin receptor binding
18	3e-04	27 / 995	GSE# GOBERT_OLIGODENDROCYTE_DIFFERENTIATION_DN
19	3e-04	102 / 5940	Brain Overlap_fetal_midbrain_HetRpts
20	6e-04	3 / 13	GSE# REACTOME_OTHER_SEMAPHORIN_INTERACTIONS
21	7e-04	13 / 349	GSE# RATTENBACHER_BOUND_BY_CELF1
22	7e-04	3 / 14	GSE# LE_SKI_TARGETS_UP
23	8e-04	5 / 55	GSE# BILBAN_B_CLL_LPL_UP
24	8e-04	18 / 590	BP cell morphogenesis
25	9e-04	3 / 15	BP developmental pigmentation
26	1e-03	51 / 2576	CC membrane
27	2e-03	15 / 475	GSE# ONKEN_UVEAL_MELANOMA_DN
28	2e-03	3 / 18	BP melanocyte differentiation
29	2e-03	8 / 167	GSE# KIM_MYC_AMPLIFICATION_TARGETS_UP
30	2e-03	3 / 19	MF 1-phosphatidylinositol binding
31	2e-03	3 / 19	MF cAMP binding
32	2e-03	3 / 19	GSE# BUCKANOVIICH_T_LYMPHOCYTE_HOMING_ON_TUMOR_DN
33	2e-03	9 / 212	GSE# DUTERTRE ESTRADIOL_RESPONSE_6HR_UP
34	2e-03	8 / 174	HM HALLMARK_ESTROGEN_RESPONSE_EARLY
35	2e-03	3 / 20	BP semaphorin-plexin signaling pathway
36	2e-03	3 / 20	GSE# YANG_BREAST_CANCER_ESR1_BULK_DN
37	2e-03	3 / 20	GSE# FERRARI_RESPONSE_TO_FENRETINIDE_UP
38	2e-03	8 / 175	CC early endosome
39	2e-03	8 / 176	GSE# FOSTER_KDM1A_TARGETS_UP
40	2e-03	3 / 21	BP melanosome transport



Overexpression Spots

Spot Summary: L

metagenes = 8
genes = 73

<r> metagenes = 0.97
<r> genes = 0.12
beta: r2= 1.76 / log p= -Inf

samples with spot = 13 (14.1 %)
MSC1 : 2 (4.8 %)
MSC2 : 7 (28 %)
MSC3 : 4 (16 %)

Spot Genelist

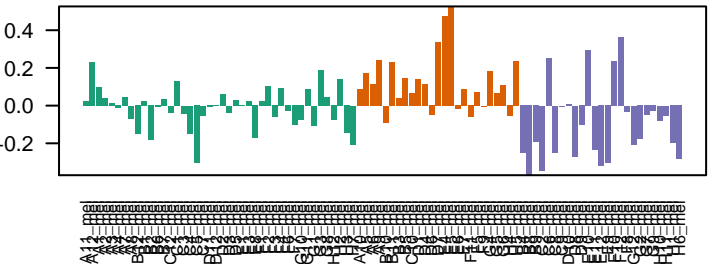
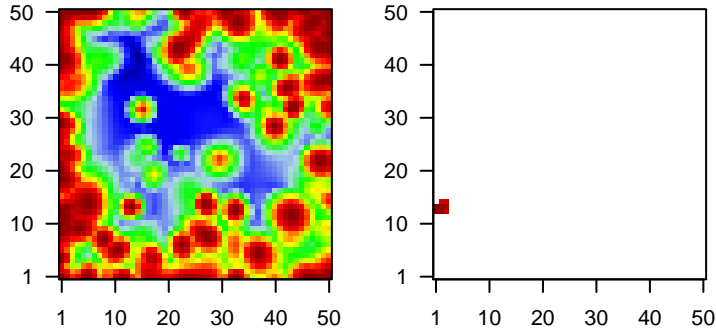
Rank	ID	max e	r	min e	Description
					Symbol
1	TAPBPL	1.83	-0.08	0.34	TAPBPL TAP binding protein-like [Source:HGNC Symbol;Acc:HGNC:2151]
2	SLC26A4	1.8	-0.16	0.43	SLC26A4solute carrier family 26 (anion exchanger), member 4 [Source:HGNC Symbol;Acc:HGNC:2151]
3	LCMT2	1.75	-0.37	0.3	LCMT2 leucine carboxyl methyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:2151]
4	STAT6	1.71	-0.38	0.29	STAT6 signal transducer and activator of transcription 6, interleukin-6-induced [Source:HGNC Symbol;Acc:HGNC:2151]
5	VAV3	1.65	-0.26	0.39	VAV3 vav 3 guanine nucleotide exchange factor [Source:HGNC Symbol;Acc:HGNC:2151]
6	ANGPTL2	1.64	-0.53	0.39	ANGPTL2angiopoietin-like 2 [Source:HGNC Symbol;Acc:HGNC:490]
7	TMEM133	1.57	-0.33	0.32	TMEM133transmembrane protein 133 [Source:HGNC Symbol;Acc:HGNC:2151]
8	PKIB	1.53	-0.19	0.28	PKIB protein kinase (cAMP-dependent, catalytic) inhibitor beta [Source:HGNC Symbol;Acc:HGNC:2151]
9	ZNF559	1.5	-0.72	0.29	ZNF559 zinc finger protein 559 [Source:HGNC Symbol;Acc:HGNC:28]
10	TRAF6	1.5	-0.19	0.3	TRAF6 TNF receptor-associated factor 6, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:2151]
11	CLUH	1.49	-0.46	0.33	CLUH clustered mitochondria (cluA/CLU1) homolog [Source:HGNC Symbol;Acc:HGNC:2151]
12	ECHDC2	1.49	-0.61	0.24	ECHDC2enoyl CoA hydratase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2151]
13	ZNF589	1.49	-0.54	0.22	ZNF589 zinc finger protein 589 [Source:HGNC Symbol;Acc:HGNC:16]
14	CYP7B1	1.48	-0.21	0.24	CYP7B1 cytochrome P450, family 7, subfamily B, polypeptide 1 [Source:HGNC Symbol;Acc:HGNC:2151]
15	HDHD3	1.47	-0.28	0.3	HDHD3 haloacid dehalogenase-like hydrolase domain containing 3 [Source:HGNC Symbol;Acc:HGNC:2151]
16	SPACA1	1.47	-0.28	0.29	SPACA1 sperm acrosome associated 1 [Source:HGNC Symbol;Acc:HGNC:2151]
17	PTPDC1	1.46	-0.37	0.34	PTPDC1 protein tyrosine phosphatase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2151]
18	HMG20A	1.45	-0.9	0.36	HMG20Ahigh mobility group 20A [Source:HGNC Symbol;Acc:HGNC:5]
19	PPP2R1B	1.45	-0.39	0.24	PPP2R1Bprotein phosphatase 2, regulatory subunit A, beta [Source:HGNC Symbol;Acc:HGNC:2151]
20	KIAA1551	1.45	-0.43	0.34	KIAA1551KIAA1551 [Source:HGNC Symbol;Acc:HGNC:25559]

Geneset Overrepresentation

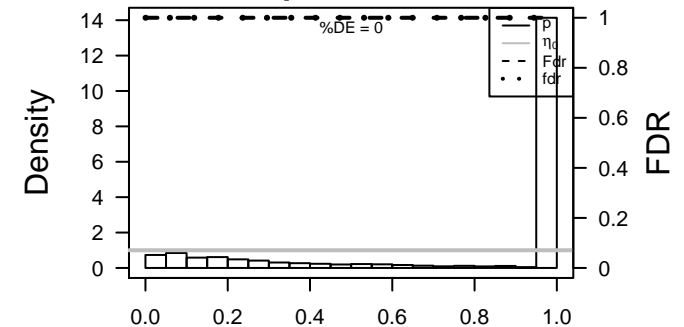
Rank	p-value	#in/all	Geneset
1	1e-04	10 / 482	GSE# RODRIGUES_THYROID_CARINOMA_ANAPLASTIC_DN
2	1e-04	3 / 20	GSE# BACOLOD_RESISTANCE_TO_ALKYLATING_AGENTS_UP
3	3e-04	5 / 120	miRN hsa-miR-105
4	4e-04	5 / 127	GSE# LINDGREN_BLABDER_CANCER_CLUSTER_2A_DN
5	4e-04	3 / 30	GSE# BURTON_ADIPOGENESIS_1
6	4e-04	3 / 30	GSE# PIONTEK_PKD1_TARGETS_UP
7	5e-04	3 / 31	GSE# HAN_JNK_SIGNALING_UP
8	6e-04	3 / 34	GSE# WENG_POR_TARGETS_LIVER_UP
9	8e-04	5 / 147	miRN hsa-miR-506
10	9e-04	3 / 39	BP l-kappaB kinase/NF-kappaB signaling
11	1e-03	2 / 10	BP mammary gland epithelial cell proliferation
12	1e-03	2 / 10	GSE# BIOCARTE_RNA_PATHWAY
13	1e-03	5 / 158	GSE# BENPORATH_NOS_TARGETS
14	2e-03	2 / 12	GSE# BIOCARTE_IL10_PATHWAY
15	2e-03	2 / 12	GSE# REACTOME_METABOLISM_OF_PORPHYRINS
16	2e-03	3 / 47	GSE# KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING_PATHWAY
17	2e-03	6 / 258	GSE# BENPORATH_OCT4_TARGETS
18	2e-03	2 / 13	BP melanin biosynthetic process
19	2e-03	2 / 13	GSE# BIOCARTE_RANKL_PATHWAY
20	2e-03	2 / 13	GSE# BIOCARTE_TALL1_PATHWAY
21	2e-03	50 / 7592	Lymp HOPP_Active_promoter
22	2e-03	2 / 14	GSE# BIOCARTE_RELA_PATHWAY
23	2e-03	2 / 14	GSE# BIOCARTE_CD40_PATHWAY
24	2e-03	6 / 271	BP positive regulation of apoptotic process
25	2e-03	4 / 111	miRN hsa-miR-361-5p
26	2e-03	3 / 53	GSE# REACTOME_CELL_DEATH_SIGNALING_VIA_NRAGE_NRF1_AND_NAF1
27	2e-03	5 / 187	miRN hsa-miR-382
28	2e-03	5 / 188	GSE# DAZARD_RESPONSE_TO_UV_NHEK_UP
29	2e-03	2 / 15	BP membrane protein intracellular domain proteolysis
30	3e-03	5 / 193	GSE# LEE_RECENT_THYMIC_EMIGRANT
31	3e-03	2 / 16	BP porphyrin-containing compound metabolic process
32	3e-03	2 / 16	GSE# WENG_POR_DOSAGE
33	3e-03	3 / 57	BP response to hormone
34	3e-03	17 / 1693	GSE# GRAESSMANN_APOPTOSIS_BY_DOXORUBICIN_DN
35	3e-03	56 / 9027	Color Tx_Colon
36	3e-03	2 / 17	Lymp DAVE_NFKB_BLDN
37	3e-03	7 / 398	GSE# MOOTHA_PGC
38	3e-03	2 / 18	BP melanocyte differentiation
39	3e-03	2 / 18	BP positive regulation of protein targeting to membrane
40	4e-03	3 / 63	GSE# MARTINEZ_RESPONSE_TO TRABECTEDIN_UP

Overview Map

Spot



p-values



Rank	p-value	#in/all
1	0.0000	131
2	0.0000	131
3	0.0000	131
4	0.0000	131
5	0.0000	131
6	0.0000	131
7	0.0000	131
8	0.0000	131
9	0.0000	131
10	0.0000	131
11	0.0000	131
12	0.0000	131
13	0.0000	131
14	0.0000	131
15	0.0000	131
16	0.0000	131
17	0.0000	131
18	0.0000	131
19	0.0000	131
20	0.0000	131
21	0.0000	131
22	0.0000	131
23	0.0000	131
24	0.0000	131
25	0.0000	131
26	0.0000	131
27	0.0000	131
28	0.0000	131
29	0.0000	131
30	0.0000	131
31	0.0000	131
32	0.0000	131
33	0.0000	131
34	0.0000	131
35	0.0000	131
36	0.0000	131
37	0.0000	131
38	0.0000	131
39	0.0000	131
40	0.0000	131
41	0.0000	131
42	0.0000	131
43	0.0000	131
44	0.0000	131
45	0.0000	131
46	0.0000	131
47	0.0000	131
48	0.0000	131
49	0.0000	131
50	0.0000	131
51	0.0000	131
52	0.0000	131
53	0.0000	131
54	0.0000	131
55	0.0000	131
56	0.0000	131
57	0.0000	131
58	0.0000	131
59	0.0000	131
60	0.0000	131
61	0.0000	131
62	0.0000	131
63	0.0000	131
64	0.0000	131
65	0.0000	131
66	0.0000	131
67	0.0000	131
68	0.0000	131
69	0.0000	131
70	0.0000	131
71	0.0000	131
72	0.0000	131
73	0.0000	131
74	0.0000	131
75	0.0000	131
76	0.0000	131
77	0.0000	131
78	0.0000	131
79	0.0000	131
80	0.0000	131
81	0.0000	131
82	0.0000	131
83	0.0000	131
84	0.0000	131
85	0.0000	131
86	0.0000	131
87	0.0000	131
88	0.0000	131
89	0.0000	131
90	0.0000	131
91	0.0000	131
92	0.0000	131
93	0.0000	131
94	0.0000	131
95	0.0000	131
96	0.0000	131
97	0.0000	131
98	0.0000	131
99	0.0000	131
100	0.0000	131

Geneset
 downregulating genes meth UP
 HORVATH_age_genes meth UP
 TESCHENDORFF_age_hypermethylated

Rank	p-value	#in/all
1	0.0000	131
2	0.0000	131
3	0.0000	131
4	0.0000	131
5	0.0000	131
6	0.0000	131
7	0.0000	131
8	0.0000	131
9	0.0000	131
10	0.0000	131
11	0.0000	131
12	0.0000	131
13	0.0000	131
14	0.0000	131
15	0.0000	131
16	0.0000	131
17	0.0000	131
18	0.0000	131
19	0.0000	131
20	0.0000	131
21	0.0000	131
22	0.0000	131
23	0.0000	131
24	0.0000	131
25	0.0000	131
26	0.0000	131
27	0.0000	131
28	0.0000	131
29	0.0000	131
30	0.0000	131
31	0.0000	131
32	0.0000	131
33	0.0000	131
34	0.0000	131
35	0.0000	131
36	0.0000	131
37	0.0000	131
38	0.0000	131
39	0.0000	131
40	0.0000	131
41	0.0000	131
42	0.0000	131
43	0.0000	131
44	0.0000	131
45	0.0000	131
46	0.0000	131
47	0.0000	131
48	0.0000	131
49	0.0000	131
50	0.0000	131
51	0.0000	131
52	0.0000	131
53	0.0000	131
54	0.0000	131
55	0.0000	131
56	0.0000	131
57	0.0000	131
58	0.0000	131
59	0.0000	131
60	0.0000	131
61	0.0000	131
62	0.0000	131
63	0.0000	131
64	0.0000	131
65	0.0000	131
66	0.0000	131
67	0.0000	131
68	0.0000	131
69	0.0000	131
70	0.0000	131
71	0.0000	131
72	0.0000	131
73	0.0000	131
74	0.0000	131
75	0.0000	131
76	0.0000	131
77	0.0000	131
78	0.0000	131
79	0.0000	131
80	0.0000	131
81	0.0000	131
82	0.0000	131
83	0.0000	131
84	0.0000	131
85	0.0000	131
86	0.0000	131
87	0.0000	131
88	0.0000	131
89	0.0000	131
90	0.0000	131
91	0.0000	131
92	0.0000	131
93	0.0000	131
94	0.0000	131
95	0.0000	131
96	0.0000	131
97	0.0000	131
98	0.0000	131
99	0.0000	131
100	0.0000	131

Geneset
 LU_PROSTATE_CANCER_DN
 PanCan_TxmsReg_geneset_nanostring
 SOTHIOT_BREAST_CANCER_GRADE_1_VS_3_DN
 Leukemia_Chronic_Inflammation
 PanCan_L1_Cp_B_geneset_nanostring
 Leukemia_Chronic_Inflammation
 SPANG_HES_index2
 LU_PROSTATE_CANCER_high_risk
 PanCan_RAS_geneset_nanostring
 PanCan_Dover_Gene_geneset_nanostring
 PanCan_Dover_poor_geneset_nanostring
 PanCan_MAPK_geneset_nanostring
 Leukemia_Normal_vs_Adenoma
 RHODES_UNDIFFERENTIATED_CANCER

Rank	p-value	#in/all
1	0.0000	131
2	0.0000	131
3	0.0000	131
4	0.0000	131
5	0.0000	131
6	0.0000	131
7	0.0000	131
8	0.0000	131
9	0.0000	131
10	0.0000	131
11	0.0000	131
12	0.0000	131
13	0.0000	131
14	0.0000	131
15	0.0000	131
16	0.0000	131
17	0.0000	131
18	0.0000	131
19	0.0000	131
20	0.0000	131
21	0.0000	131
22	0.0000	131
23	0.0000	131
24	0.0000	131
25	0.0000	131
26	0.0000	131
27	0.0000	131
28	0.0000	131
29	0.0000	131
30	0.0000	131
31	0.0000	131
32	0.0000	131
33	0.0000	131
34	0.0000	131
35	0.0000	131
36	0.0000	131
37	0.0000	131
38	0.0000	131
39	0.0000	131
40	0.0000	131
41	0.0000	131
42	0.0000	131
43	0.0000	131
44	0.0000	131
45	0.0000	131
46	0.0000	131
47	0.0000	131
48	0.0000	131
49	0.0000	131
50	0.0000	131
51	0.0000	131
52	0.0000	131
53	0.0000	131
54	0.0000	131
55	0.0000	131
56	0.0000	131
57	0.0000	131
58	0.0000	131
59	0.0000	131
60	0.0000	131
61	0.0000	131
62	0.0000	131
63	0.0000	131
64	0.0000	131
65	0.0000	131
66	0.0000	131
67	0.0000	131
68	0.0000	131
69	0.0000	131
70	0.0000	131
71	0.0000	131
72	0.0000	131
73	0.0000	131
74	0.0000	131
75	0.0000	131
76	0.0000	131
77	0.0000	131
78	0.0000	131
79	0.0000	131
80	0.0000	131
81	0.0000	131
82	0.0000	131
83	0.0000	131
84	0.0000	131
85	0.0000	131
86	0.0000	131
87	0.0000	131
88	0.0000	131
89	0.0000	131
90	0.0000	131
91	0.0000	131
92	0.0000	131
93	0.0000	131
94	0.0000	131
95	0.0000	131
96	0.0000	131
97	0.0000	131
98	0.0000	131
99	0.0000	131
100	0.0000	131

Geneset
 Marisa_CRC-cluster-h
 L1WV_Colon
 L1WV_Colon
 Marisa_CRC-cluster-a
 Budinska_B_Lower_crypt-like_DOWN
 L1WV_Colon
 Budinska_B_Lower_crypt-like_UP
 L1WV_Colon
 ENITWV_Colon
 L1WV_Colon
 Oues1_Colon
 Pantrack_CRC_TCGA_corr_N_msi-h_DN
 L1WV_Colon
 Pantrack_CRC_TCGA_corr_C_normal_UP

Rank	p-value	#in/all
1	0.0000	131
2	0.0000	131
3	0.0000	131
4	0.0000	131
5	0.0000	131
6	0.0000	131
7	0.0000	131
8	0.0000	131
9	0.0000	131
10	0.0000	131
11	0.0000	131
12	0.0000	131
13	0.0000	131
14	0.0000	131
15	0.0000	131
16	0.0000	131
17	0.0000	131
18	0.0000	131
19	0.0000	131
20	0.0000	131
21	0.0000	131
22	0.0000	131
23	0.0000	131
24	0.0000	131
25	0.0000	131
26	0.0000	131
27	0.0000	131
28	0.0000	131
29	0.0000	131
30	0.0000	131
31	0.0000	131
32	0.0000	131
33	0.0000	131
34	0.0000	131
35	0.0000	131
36	0.0000	131
37	0.0000	131
38	0.0000	131
39	0.0000	131
40	0.0000	131
41	0.0000	131
42	0.0000	131
43	0.0000	131
44	0.0000	131
45	0.0000	131
46	0.0000	131
47	0.0000	131
48	0.0000	131
49	0.0000	131
50	0.0000	131
51	0.0000	131
52	0.0000	131
53	0.0000	131
54	0.0000	131
55	0.0000	131
56	0.0000	131
57	0.0000	131
58	0.0000	131
59	0.0000	131
60	0.0000	131
61	0.0000	131
62	0.0000	131
63	0.0000	131
64	0.0000	131
65	0.0000	131
66	0.0000	131
67	0.0000	131
68	0.0000	131
69	0.0000	131
70	0.0000	131
71	0.0000	131
72	0.0000	131
73	0.0000	131
74	0.0000	131

Overexpression Spots

Spot Summary: M

metagenes = 11
genes = 68

<r> metagenes = 0.96
<r> genes = 0.12
beta: r2= 1.46 / log p= -Inf

samples with spot = 12 (13 %)
MSC2 : 10 (40 %)
MSC3 : 2 (8 %)

Spot Genelist

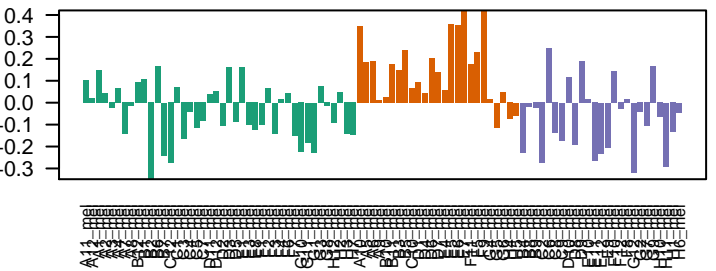
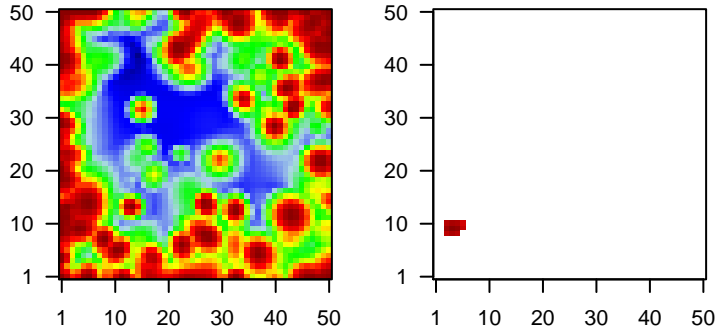
Rank	ID	max e	r	Description	
		min e		Symbol	
1	PLA2G4B	1.82	-0.16	0.33	PLA2G4B phospholipase A2, group IVB (cytosolic) [Source:HGNC Symb
2	TMEM150A	1.75	-0.24	0.35	TMEM150A transmembrane protein 150A [Source:HGNC Symbol;Acc:HG
3	RDH14	1.75	-0.43	0.31	RDH14 retinol dehydrogenase 14 (all-trans-9-cis/11-cis) [Source:HG
4	TXNDC16	1.69	-0.35	0.28	TXNDC16 thioredoxin domain containing 16 [Source:HGNC Symbol;Acc
5	USP54	1.61	-0.41	0.31	USP54 ubiquitin specific peptidase 54 [Source:HGNC Symbol;Acc:Hi
6	MCF2	1.57	-0.32	0.41	MCF2 MCF.2 cell line derived transforming sequence [Source:HGNC
7	HEATR6	1.55	-0.72	0.31	HEATR6 HEAT repeat containing 6 [Source:HGNC Symbol;Acc:HGNC
8	STOX2	1.53	-0.17	0.38	STOX2 storkhead box 2 [Source:HGNC Symbol;Acc:HGNC:25450]
9	MSANTD2	1.5	-0.15	0.26	MSANTD2 Myb/SANT-like DNA-binding domain containing 2 [Source:H
10	NPM3	1.47	-0.32	0.34	NPM3 nucleophosmin/nucleoplamin 3 [Source:HGNC Symbol;Acc:
11	FBXW9	1.43	-0.26	0.27	FBXW9 F-box and WD repeat domain containing 9 [Source:HGNC S
12	NFX1	1.41	-0.4	0.28	NFX1 nuclear transcription factor, X-box binding 1 [Source:HGNC S
13	MTFMT	1.4	-0.99	0.34	MTFMT mitochondrial methionyl-tRNA formyltransferase [Source:HG
14	SLC9A1	1.39	-0.49	0.35	SLC9A1 solute carrier family 9, subfamily A (NHE1, cation proton anti
15	RMDN3	1.39	-0.63	0.24	RMDN3 regulator of microtubule dynamics 3 [Source:HGNC Symbol;A
16	PRKAB1	1.33	-0.49	0.28	PRKAB1 protein kinase, AMP-activated, beta 1 non-catalytic subunit [
17	FEM1B	1.32	-0.9	0.3	FEM1B fem-1 homolog b (C. elegans) [Source:HGNC Symbol;Acc:Hi
18	COQ7	1.31	-0.59	0.31	COQ7 coenzyme Q7 homolog, ubiquinone (yeast) [Source:HGNC S
19	TARS2	1.3	-0.89	0.21	TARS2 threonyl-tRNA synthetase 2, mitochondrial (putative) [Source
20	PPP1R3B	1.3	-0.25	0.24	PPP1R3B protein phosphatase 1, regulatory subunit 3B [Source:HGNC

Geneset Overrepresentation

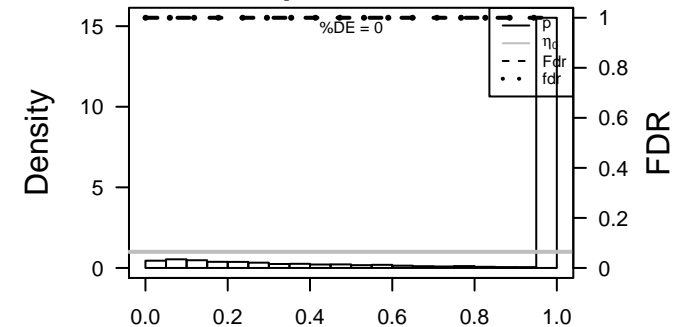
Rank	p-value	#in/all	Geneset
1	5e-07	52 / 6929	Lymph HOPP_Txn_elongation
2	3e-06	60 / 9330	Brain Overlap_fetal_midbrain_ReprPC
3	2e-05	59 / 9482	Colon TssA_Colon
4	5e-05	51 / 7592	Lymph HOPP_Active_promoter
5	3e-04	13 / 925	GSE/ KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_DN
6	3e-04	9 / 473	GSE/ DACOSTA_UV_RESPONSE_VIA_ERCC3_COMMON_DN
7	3e-04	55 / 9013	Brain Overlap_fetal_midbrain_K9K27me3
8	3e-04	7 / 288	GSE/ WEST_ADRENOCORTICAL_TUMOR_UP
9	4e-04	12 / 833	GSE/ DACOSTA_UV_RESPONSE_VIA_ERCC3_DN
10	5e-04	5 / 146	GSE/ MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_UP
11	6e-04	2 / 8	GSE/ REACTOME_RECEPTOR_LIGAND_BINDING_INITIATES_THE_SECOND
12	7e-04	3 / 38	miRN hsa-miR-490-5p
13	8e-04	37 / 5184	Lymph HOPP_Txn_transition
14	9e-04	3 / 41	GSE/ AMIT_EGF_RESPONSE_480_MCF10A
15	9e-04	2 / 10	GSE/ REACTOME_SIGNALING_BY_NOTCH4
16	9e-04	2 / 10	GSE/ REACTOME_SIGNALING_BY_NOTCH2
17	9e-04	2 / 10	GSE/ REACTOME_SIGNALING_BY_NOTCH3
18	9e-04	5 / 164	miRN hsa-miR-323b-5p
19	1e-03	51 / 8415	Color Quies3_Colon
20	2e-03	2 / 14	GSE/ LIU_IL13_PRIMING_MODEL
21	2e-03	5 / 198	miRN hsa-miR-448
22	2e-03	5 / 200	GSE/ MARTORIATI_MDM4_TARGETS_FETAL_LIVER_UP
23	2e-03	51 / 8580	Color TxWk_Colon
24	3e-03	6 / 301	GSE/ MULLIGHAN_NPM1_SIGNATURE_3_UP
25	3e-03	42 / 6564	Lymph HOPP_Strong_enhancer
26	3e-03	39 / 5940	Brain Overlap_fetal_midbrain_HetRpts
27	3e-03	3 / 63	GSE/ LIN_MELANOMA_COPY_NUMBER_UP
28	3e-03	2 / 19	BP Notch_receptor_processing
29	4e-03	2 / 21	GSE/ REACTOME_ACTIVATED_NOTCH1_TRANSMITS_SIGNAL_TO_THE_NU
30	4e-03	4 / 144	miRN hsa-miR-135b
31	4e-03	10 / 831	GSE/ KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_DN
32	5e-03	52 / 9027	Color Tx_Colon
33	5e-03	38 / 5880	Color TssD2_Colon
34	5e-03	54 / 9528	Brain Overlap_fetal_midbrain_Quies
35	5e-03	3 / 75	MF metalloproteinase activity
36	5e-03	2 / 23	miRN hsa-miR-943
37	5e-03	5 / 247	Lymph ZHANG_DLBCL_mutated
38	6e-03	2 / 25	MF aminopeptidase activity
39	6e-03	2 / 25	GSE/ NICK_RESPONSE_TO_PROC_TREATMENT_DN
40	6e-03	14 / 1468	CC mitochondrion

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: N

metagenes = 20
genes = 138

<r> metagenes = 0.92
<r> genes = 0.09
beta: r2= 1 / log p= -Inf

samples with spot = 10 (10.9 %)

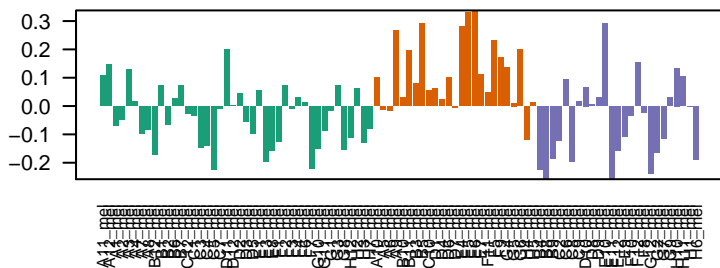
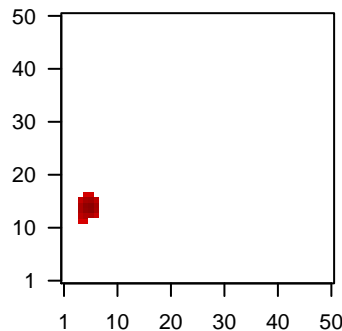
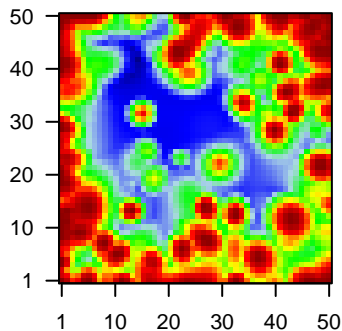
MSC1 : 1 (2.4 %)

MSC2 : 8 (32 %)

MSC3 : 1 (4 %)

Overview Map

Spot

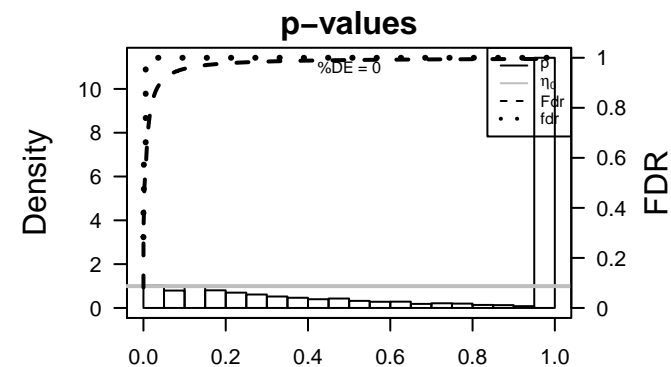


Spot Genelist

Rank	ID	max e	r	min e	Description
					Symbol
1	FZD3	2.09	-0.27	0.28	FZD3 frizzled class receptor 3 [Source:HGNC Symbol;Acc:HGNC:4
2	SLC25A14	2.08	-0.21	0.26	SLC25A14 solute carrier family 25 (mitochondrial carrier, brain), member
3	TKTL1	1.87	-0.19	0.27	TKTL1 transketolase-like 1 [Source:HGNC Symbol;Acc:HGNC:1183
4	TRDMT1	1.73	-0.13	0.28	TRDMT1 tRNA aspartic acid methyltransferase 1 [Source:HGNC Symb
5	ELL	1.73	-0.16	0.25	ELL elongation factor RNA polymerase II [Source:HGNC Symbol;A
6	ATP6V1E2	1.71	-0.16	0.35	ATP6V1E2 ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E2 [S
7	EMCN	1.69	-0.48	0.39	EMCN endomucin [Source:HGNC Symbol;Acc:HGNC:16041]
8	SCRN2	1.68	-0.18	0.3	SCRN2 secernin 2 [Source:HGNC Symbol;Acc:HGNC:30381]
9	SLAIN1	1.67	-0.34	0.28	SLAIN1 SLAIN motif family, member 1 [Source:HGNC Symbol;Acc:HC
10	ZNF691	1.66	-0.36	0.31	ZNF691 zinc finger protein 691 [Source:HGNC Symbol;Acc:HGNC:28
11	CPS1	1.65	-0.46	0.24	CPS1 carbamoyl-phosphate synthase 1, mitochondrial [Source:HG
12	SMAD1	1.61	-0.21	0.34	SMAD1 SMAD family member 1 [Source:HGNC Symbol;Acc:HGNC:6
13	SLC5A9	1.59	-0.04	0.38	SLC5A9 solute carrier family 5 (sodium/sugar cotransporter), member
14	PDP2	1.56	-0.21	0.24	PDP2 pyruvate dehydrogenase phosphatase catalytic subunit 2 [Sou
15	CLYBL	1.55	-0.17	0.24	CLYBL citrate lyase beta like [Source:HGNC Symbol;Acc:HGNC:183
16	SSPN	1.55	-0.45	0.28	SSPN sarcospan [Source:HGNC Symbol;Acc:HGNC:11322]
17	HECTD3	1.53	-0.31	0.27	HECTD3 HECT domain containing E3 ubiquitin protein ligase 3 [Source
18	MTSS1	1.51	-0.68	0.37	MTSS1 metastasis suppressor 1 [Source:HGNC Symbol;Acc:HGNC:2
19	ZNF527	1.49	-0.2	0.26	ZNF527 zinc finger protein 527 [Source:HGNC Symbol;Acc:HGNC:29
20	HHAT	1.45	-0.5	0.25	HHAT hedgehog acyltransferase [Source:HGNC Symbol;Acc:HGNC

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	9e-06	112 / 9528	Brain Overlap_fetal_midbrain_Quies
2	6e-05	4 / 23	GSE# PID_IL2_STAT5_PATHWAY
3	7e-05	5 / 47	BP positive regulation of osteoblast differentiation
4	1e-04	4 / 28	GSE# PID_IL2_PI3K_PATHWAY
5	2e-04	3 / 12	BP positive regulation of cartilage development
6	2e-04	4 / 33	miRN hsa-miR-615-5p
7	3e-04	3 / 14	GSE# WEST_ADRENOCORTICAL_CARCINOMA_VS_ADENOMA_DN
8	3e-04	106 / 9330	Brain Overlap_fetal_midbrain_ReprPC
9	3e-04	3 / 15	GSE# XU_RESPONSE_TO_TRETINOIN_AND_NSC682994_DN
10	6e-04	4 / 41	GSE# PID_IL6_7_PATHWAY
11	6e-04	3 / 18	BP melanocyte differentiation
12	6e-04	11 / 366	miRN hsa-miR-519b-3p
13	6e-04	5 / 74	GSE# PID_MYC_ACTIV_PATHWAY
14	6e-04	13 / 488	miRN hsa-miR-103
15	7e-04	3 / 19	BP B cell homeostasis
16	7e-04	3 / 19	MF Hsp90 protein binding
17	7e-04	3 / 19	GSE# REACTOME_SIGNALING_BY_BMP
18	8e-04	7 / 162	miRN hsa-miR-96
19	8e-04	3 / 20	BP cellular response to fibroblast growth factor stimulus
20	8e-04	3 / 20	BP semaphorin-plexin signaling pathway
21	9e-04	3 / 21	GSE# BIOCARTA_IL6_PATHWAY
22	9e-04	4 / 47	GSE# PID_SHP2_PATHWAY
23	9e-04	4 / 47	GSE# PID_IL2_1PATHWAY
24	1e-03	4 / 48	GSE# CHAUHAN_RESPONSE_TO_METHOXYESTRADIOL_UP
25	1e-03	5 / 85	GSE# BASSO_CD40_SIGNALING_UP
26	1e-03	2 / 6	GSE# TAKADA_GASTRIC_CANCER_COPY_NUMBER_UP
27	1e-03	11 / 405	miRN hsa-miR-519c-3p
28	2e-03	4 / 55	BP BMP signaling pathway
29	2e-03	123 / 11774	CC cell
30	2e-03	34 / 2211	Lymp HOPP_Repetitive
31	2e-03	3 / 26	GSE# BIOCARTA_NO1_PATHWAY
32	2e-03	2 / 7	GSE# BAKER_HEMATOPOIESIS_STATS5_TARGETS
33	2e-03	2 / 7	GSE# BRUNEAU_SEPTATION_VENTRICULAR
34	2e-03	10 / 358	miRN hsa-let-7d
35	2e-03	4 / 57	GSE# FLECHNER_PBL_KIDNEY_TRANSPLANT_REJECTED_VS_OK_UP
36	2e-03	12 / 488	miRN hsa-miR-107
37	2e-03	7 / 194	Tissu PALMER_B-Cell signature up
38	2e-03	10 / 367	GSE# MONNIER_POSTRADIATION_TUMOR_ESCAPE_UP
39	2e-03	2 / 8	GSE# TURJANSKI_MAPK7_TARGETS
40	2e-03	43 / 3068	BP signal transduction



Rank	p-value	#in/all
1	0.000000	131
2	0.000000	131
3	0.000000	131
4	0.000000	131
5	0.000000	131
6	0.000000	131
7	0.000000	131
8	0.000000	131
9	0.000000	131
10	0.000000	131
11	0.000000	131
12	0.000000	131
13	0.000000	131
14	0.000000	131
15	0.000000	131
16	0.000000	131
17	0.000000	131
18	0.000000	131
19	0.000000	131
20	0.000000	131
21	0.000000	131
22	0.000000	131
23	0.000000	131
24	0.000000	131
25	0.000000	131
26	0.000000	131
27	0.000000	131
28	0.000000	131
29	0.000000	131
30	0.000000	131
31	0.000000	131
32	0.000000	131
33	0.000000	131
34	0.000000	131
35	0.000000	131
36	0.000000	131
37	0.000000	131
38	0.000000	131
39	0.000000	131
40	0.000000	131
41	0.000000	131
42	0.000000	131
43	0.000000	131
44	0.000000	131
45	0.000000	131
46	0.000000	131
47	0.000000	131
48	0.000000	131
49	0.000000	131
50	0.000000	131
51	0.000000	131
52	0.000000	131
53	0.000000	131
54	0.000000	131
55	0.000000	131
56	0.000000	131
57	0.000000	131
58	0.000000	131
59	0.000000	131
60	0.000000	131
61	0.000000	131
62	0.000000	131
63	0.000000	131
64	0.000000	131
65	0.000000	131
66	0.000000	131
67	0.000000	131
68	0.000000	131
69	0.000000	131
70	0.000000	131
71	0.000000	131
72	0.000000	131
73	0.000000	131
74	0.000000	131
75	0.000000	131
76	0.000000	131
77	0.000000	131
78	0.000000	131
79	0.000000	131
80	0.000000	131
81	0.000000	131
82	0.000000	131
83	0.000000	131
84	0.000000	131
85	0.000000	131
86	0.000000	131
87	0.000000	131
88	0.000000	131
89	0.000000	131
90	0.000000	131
91	0.000000	131
92	0.000000	131
93	0.000000	131
94	0.000000	131
95	0.000000	131
96	0.000000	131
97	0.000000	131
98	0.000000	131
99	0.000000	131
100	0.000000	131

Geneset
 down genes meth UP
 HORVATH_age_genes_meth UP
 TESCHENDORFF_age_hypermethylated

Rank	p-value	#in/all
1	0.000000	131
2	0.000000	131
3	0.000000	131
4	0.000000	131
5	0.000000	131
6	0.000000	131
7	0.000000	131
8	0.000000	131
9	0.000000	131
10	0.000000	131
11	0.000000	131
12	0.000000	131
13	0.000000	131
14	0.000000	131
15	0.000000	131
16	0.000000	131
17	0.000000	131
18	0.000000	131
19	0.000000	131
20	0.000000	131
21	0.000000	131
22	0.000000	131
23	0.000000	131
24	0.000000	131
25	0.000000	131
26	0.000000	131
27	0.000000	131
28	0.000000	131
29	0.000000	131
30	0.000000	131
31	0.000000	131
32	0.000000	131
33	0.000000	131
34	0.000000	131
35	0.000000	131
36	0.000000	131
37	0.000000	131
38	0.000000	131
39	0.000000	131
40	0.000000	131
41	0.000000	131
42	0.000000	131
43	0.000000	131
44	0.000000	131
45	0.000000	131
46	0.000000	131
47	0.000000	131
48	0.000000	131
49	0.000000	131
50	0.000000	131
51	0.000000	131
52	0.000000	131
53	0.000000	131
54	0.000000	131
55	0.000000	131
56	0.000000	131
57	0.000000	131
58	0.000000	131
59	0.000000	131
60	0.000000	131
61	0.000000	131
62	0.000000	131
63	0.000000	131
64	0.000000	131
65	0.000000	131
66	0.000000	131
67	0.000000	131
68	0.000000	131
69	0.000000	131
70	0.000000	131
71	0.000000	131
72	0.000000	131
73	0.000000	131
74	0.000000	131
75	0.000000	131
76	0.000000	131
77	0.000000	131
78	0.000000	131
79	0.000000	131
80	0.000000	131
81	0.000000	131
82	0.000000	131
83	0.000000	131
84	0.000000	131
85	0.000000	131
86	0.000000	131
87	0.000000	131
88	0.000000	131
89	0.000000	131
90	0.000000	131
91	0.000000	131
92	0.000000	131
93	0.000000	131
94	0.000000	131
95	0.000000	131
96	0.000000	131
97	0.000000	131
98	0.000000	131
99	0.000000	131
100	0.000000	131

Geneset
 modu7
 PanCan_JAK-S1_geneset_nanostring
 PanCan_Driver_Gene_geneset_nanostring
 PanCan_Cc-ano_geneset_nanostring
 PanCan_TGF-β_geneset_nanostring
 PanCan_Wnt_geneset_nanostring
 PanCan_Wnt_geneset_nanostring
 GENTLES_modu12
 BIODEC_CANCER_META_SIGNATURE
 GENTLES_modu13
 GENTLES_modu14
 GENTLES_modu16
 PanCan_RAS_geneset_nanostring
 PanCan_RAS_geneset_nanostring
 PanCan_DNAREpair_geneset_nanostring
 Eucinet_HM_poor_survival
 SOTIRIOL_BREAST_CANCER_GRADE_1_VS_3_DN
 SPANG_BCL2-index2
 SPANG_BCL2-index2

Rank	p-value	#in/all
1	0.000000	102
2	0.000000	102
3	0.000000	102
4	0.000000	102
5	0.000000	102
6	0.000000	102
7	0.000000	102
8	0.000000	102
9	0.000000	102
10	0.000000	102
11	0.000000	102
12	0.000000	102
13	0.000000	102
14	0.000000	102
15	0.000000	102
16	0.000000	102
17	0.000000	102
18	0.000000	102
19	0.000000	102
20	0.000000	102
21	0.000000	102
22	0.000000	102
23	0.000000	102
24	0.000000	102
25	0.000000	102
26	0.000000	102
27	0.000000	102
28	0.000000	102
29	0.000000	102
30	0.000000	102
31	0.000000	102
32	0.000000	102
33	0.000000	102
34	0.000000	102
35	0.000000	102
36	0.000000	102
37	0.000000	102
38	0.000000	102
39	0.000000	102
40	0.000000	102
41	0.000000	102
42	0.000000	102
43	0.000000	102
44	0.000000	102
45	0.000000	102
46	0.000000	102
47	0.000000	102
48	0.000000	102
49	0.000000	102
50	0.000000	102
51	0.000000	102
52	0.000000	102
53	0.000000	102
54	0.000000	102
55	0.000000	102
56	0.000000	102
57	0.000000	102
58	0.000000	102
59	0.000000	102
60	0.000000	102
61	0.000000	102
62	0.000000	102
63	0.000000	102
64	0.000000	102
65	0.000000	102
66	0.000000	102
67	0.000000	102
68	0.000000	102
69	0.000000	102
70	0.000000	102
71	0.000000	102
72	0.000000	102
73	0.000000	102
74	0.000000	102
75	0.000000	102
76	0.000000	102
77	0.000000	102
78	0.000000	102
79	0.000000	102
80	0.000000	102
81	0.000000	102
82	0.000000	102
83	0.000000	102
84	0.000000	102
85	0.000000	102
86	0.000000	102
87	0.000000	102
88	0.000000	102
89	0.000000	102
90	0.000000	102
91	0.000000	102
92	0.000000	102
93	0.000000	102
94	0.000000	102
95	0.000000	102
96	0.000000	102
97	0.000000	102
98	0.000000	102
99	0.000000	102
100	0.000000	102

Geneset
 TSSA_Colon
 ENH2_Colon
 Ang_CRC_Hypomethylated
 Quies3_Colon
 Cnh_Colon
 Ang2_Colon
 TSSA_Colon
 PanCan_CRC_TCGA_group.over_C_normal_DN
 TSSA_Colon
 Mansa_TCGA_meth_kmeans_F_CIMP.H_UP_
 Juehling_HNPC_mutated_in_5
 Eucinet_D_Mesenchymal_UP
 Kead_low_Colon
 ENH2_Colon
 Marisa_CRC_cluster_a
 TCGA_Mutated-in-CRC_hypermuted

Rank	p-value	#in/all
1	0.000000	29
2	0.000000	29
3	0.000000	29
4	0.000000	29
5	0.000000	29
6	0.000000	29
7	0.000000	29
8	0.000000	29
9	0.000000	29
10	0.000000	29
11	0.000000	29
12	0.000000	29
13	0.000000	29
14	0.000000	29
15	0.000000	29
16	0.000000	29
17	0.000000	29
18	0.000000	29
19	0.000000	29
20	0.000000	29
21	0.000000	29
22	0.000000	29
23	0.000000	29
24	0.000000	29
25	0.000000	29
26	0.000000	29
27	0.000000	29
28	0.000000	29
29	0.000000	29
30	0.000000	29
31	0.000000	29
32	0.000000	29
33	0.000000	29
34	0.000000	29
35	0.000000	29
36	0.000000	29
37	0.000000	29
38	0.000000	29
39	0.000000	29
40	0.000000	29
41	0.000000	29
42	0.000000	29
43	0.000000	29
44	0.000000	29
45	0.000000	29
46	0.000000	29
47	0.000000	29
48	0.000000	29
49	0.000000	29
50	0.000000	29
51	0	

Overexpression Spots

Spot Summary: O

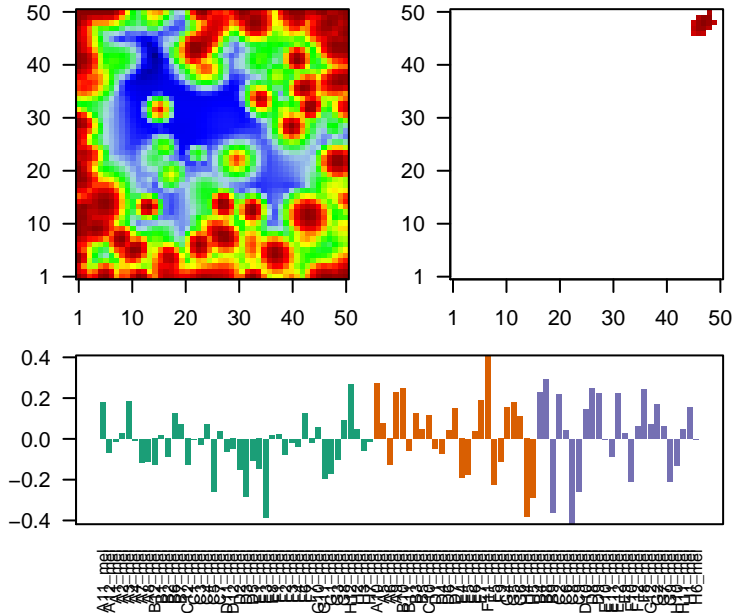
metagenes = 16
genes = 121

<r> metagenes = 0.93
<r> genes = 0.11
beta: r2= 1.69 / log p= -Inf

samples with spot = 15 (16.3 %)
MSC1 : 3 (7.1 %)
MSC2 : 5 (20 %)
MSC3 : 7 (28 %)

Overview Map

Spot

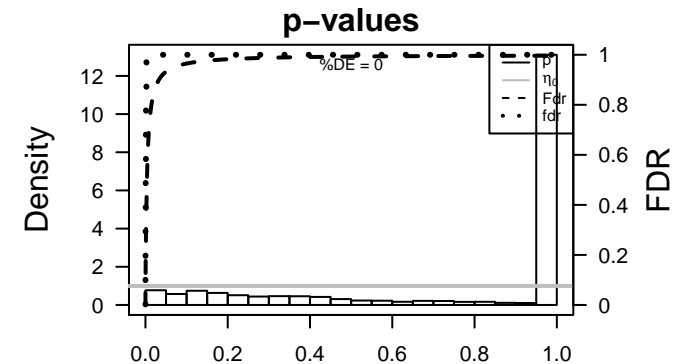


Spot Genelist

Rank	ID	max e	r	min e	Description
1	OAS1	1.86	-0.2	0.37	OAS1 2'-5'-oligoadenylate synthetase 1, 40/46kDa [Source:HGNC
2	CYP19A1	1.7	-0.37	0.31	CYP19A1 cytochrome P450, family 19, subfamily A, polypeptide 1 [Sou
3	MXI1	1.66	-0.86	0.23	MXI1 MAX interactor 1, dimerization protein [Source:HGNC Symbo
4	RNF170	1.65	-0.21	0.3	RNF170 ring finger protein 170 [Source:HGNC Symbol;Acc:HGNC:25:
5	HSPBAP1	1.58	-0.39	0.36	HSPBAP1 HSPB (heat shock 27kDa) associated protein 1 [Source:HGNC
6	METTL1	1.57	-1.04	0.29	METTL1 methyltransferase like 1 [Source:HGNC Symbol;Acc:HGNC:7
7	WDR27	1.54	-0.32	0.21	WDR27 WD repeat domain 27 [Source:HGNC Symbol;Acc:HGNC:21:
8	CYB561A3	1.51	-1.09	0.25	CYB561A3 cytochrome b561 family, member A3 [Source:HGNC Symbol;
9	MED29	1.51	-0.56	0.37	MED29 mediator complex subunit 29 [Source:HGNC Symbol;Acc:HG
10	GATSL3	1.49	-0.08	0.28	GATSL3 GATS protein-like 3 [Source:HGNC Symbol;Acc:HGNC:3442
11	PIGV	1.49	-0.28	0.34	PIGV phosphatidylinositol glycan anchor biosynthesis, class V [Sou
12	CCND1	1.49	-1.24	0.39	CCND1 cyclin D1 [Source:HGNC Symbol;Acc:HGNC:1582]
13	COG5	1.49	-0.47	0.24	COG5 component of oligomeric golgi complex 5 [Source:HGNC Synr
14	RABGGTA	1.41	-0.76	0.27	RABGGTA Rab geranylgeranyltransferase, alpha subunit [Source:HGNC
15	TNFAIP1	1.4	-0.97	0.33	TNFAIP1 tumor necrosis factor, alpha-induced protein 1 (endothelial) [
16	COG7	1.39	-0.34	0.32	COG7 component of oligomeric golgi complex 7 [Source:HGNC Synr
17	GSTZ1	1.38	-0.56	0.28	GSTZ1 glutathione S-transferase zeta 1 [Source:HGNC Symbol;Acc:
18	CAPN10	1.37	-0.2	0.29	CAPN10 calpain 10 [Source:HGNC Symbol;Acc:HGNC:1477]
19	YBEY	1.37	-0.69	0.36	YBEY ybeY metallopeptidase (putative) [Source:HGNC Symbol;Acc
20	SPRYD3	1.37	-0.39	0.39	SPRYD3 SPRY domain containing 3 [Source:HGNC Symbol;Acc:HGNC

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	4e-11	109 / 9482	Colon Tssa_Colon
2	3e-07	20 / 649	CC endoplasmic reticulum membrane
3	5e-07	69 / 5184	Lymph HOPP_Txn_transition
4	1e-06	98 / 9027	Colon Tx_Colon
5	3e-06	94 / 8580	Colon TxWk_Colon
6	3e-06	26 / 1201	CC endoplasmic reticulum
7	4e-06	99 / 9330	Brain Overlap_fetal_midbrain_ReprPC
8	1e-05	8 / 135	GSE/ KAAB_FAILED_HEART_ATRIUM_DN
9	2e-05	95 / 9013	Brain Overlap_fetal_midbrain_K9K27me3
10	4e-05	27 / 1468	CC mitochondrion
11	5e-05	8 / 162	BP ribosome biogenesis
12	6e-05	78 / 6929	Lymph HOPP_Txn_elongation
13	6e-05	23 / 1171	TF KIM_MYC targets
14	7e-05	8 / 167	GSE/ YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_13
15	8e-05	9 / 221	GSE/ DANG_REGULATED_BY_MYC_DN
16	1e-04	3 / 12	CC Golgi transport complex
17	1e-04	87 / 8205	CC cytoplasm
18	1e-04	13 / 478	GSE/ STARK_PREFRONTAL_CORTEX_22Q11_DELETION_DN
19	2e-04	5 / 63	GSE/ DACOSTA_UV_RESPONSE_VIA_ERCC3_TTD_UP
20	2e-04	5 / 69	GSE/ ROSS_LEUKEMIA_WITH_MLL_FUSIONS
21	3e-04	17 / 800	GSE/ ACEVEDO_LIVER_TUMOR_VS_NORMAL_ADJACENT_TISSUE_UP
22	3e-04	6 / 111	GSE/ MISSIAGLIA_REGULATED_BY_METHYLATION_UP
23	3e-04	5 / 73	GSE/ CARD_MIR302A_TARGETS
24	3e-04	10 / 325	GSE/ PENG_GlutAMINE_DEPRIVATION_DN
25	4e-04	16 / 752	GSE/ GRADE_COLON_CANCER_UP
26	5e-04	30 / 1975	BP cellular protein modification process
27	5e-04	5 / 80	BP rRNA processing
28	6e-04	98 / 9988	CC organelle
29	6e-04	6 / 126	GSE/ LU_AGING_BRAIN_DN
30	6e-04	5 / 83	GSE/ LI_DCP2_BOUND_MRNA
31	7e-04	102 / 10605	CC intracellular
32	8e-04	31 / 2136	TF ICGC_GabpPcr2_targets
33	8e-04	4 / 51	GSE/ JIANG_AGING_CEREBRAL_CORTEX_DN
34	8e-04	4 / 52	GSE/ NADLER_OBESITY_UP
35	9e-04	11 / 435	BP cellular protein metabolic process
36	9e-04	3 / 24	MF snoRNA binding
37	1e-03	8 / 250	miRN hsa-miR-520a-3p
38	1e-03	5 / 94	GSE/ TAKAO_RESPONSE_TO_UVB_RADIATION_DN
39	1e-03	15 / 747	CC nucleolus
40	1e-03	10 / 385	GSE/ REN_ALVEOLAR_RHABDOMYOSARCOMA_DN



Overexpression Spots

Spot Summary: P

metagenes = 7
genes = 97

<r> metagenes = 0.98

<r> genes = 0.22

beta: r2= 0.74 / log p= -Inf

samples with spot = 2 (2.2 %)

MSC2 : 2 (8 %)

Spot Genelist

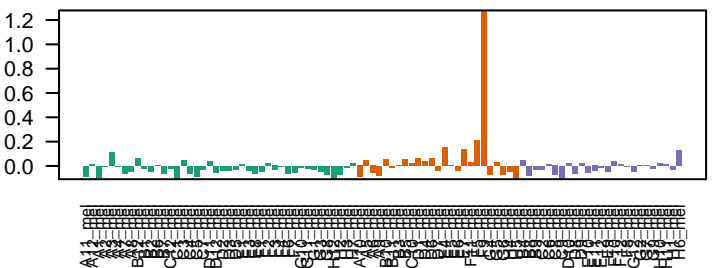
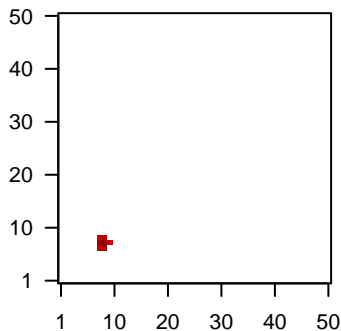
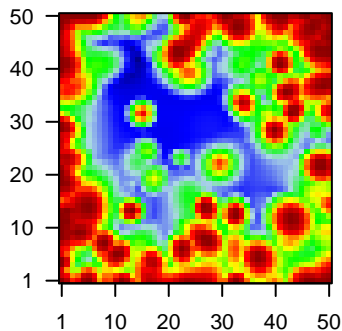
Rank	ID	max e	r	min e	Description
					Symbol
1	METAP1D	2.04	-0.33	0.31	METAP1D methionyl aminopeptidase type 1D (mitochondrial) [Source:HGNC Symbol;Acc:HGNC:10111]
2	SLC24A1	1.94	-0.09	0.54	SLC24A1 solute carrier family 24 (sodium/potassium/calcium exchange) member 1 [Source:HGNC Symbol;Acc:HGNC:10112]
3	GPR183	1.92	-0.15	0.49	GPR183 G protein-coupled receptor 183 [Source:HGNC Symbol;Acc:HGNC:10113]
4	RHPN2	1.85	-0.17	0.36	RHPN2 rhophilin, Rho GTPase binding protein 2 [Source:HGNC Symbol;Acc:HGNC:10114]
5	KCNIP4	1.84	-0.07	0.63	KCNIP4 Kv channel interacting protein 4 [Source:HGNC Symbol;Acc:HGNC:10115]
6	ACP6	1.8	-0.24	0.32	ACP6 acid phosphatase 6, lysophosphatidic [Source:HGNC Symbol;Acc:HGNC:10116]
7	GPR171	1.8	-0.08	0.72	GPR171 G protein-coupled receptor 171 [Source:HGNC Symbol;Acc:HGNC:10117]
8	JAM3	1.8	-0.24	0.47	JAM3 junctional adhesion molecule 3 [Source:HGNC Symbol;Acc:HGNC:10118]
9	TMEM27	1.79	-0.08	0.5	TMEM27 transmembrane protein 27 [Source:HGNC Symbol;Acc:HGNC:10119]
10	CHAMP1	1.78	-0.27	0.33	CHAMP1 chromosome alignment maintaining phosphoprotein 1 [Source:HGNC Symbol;Acc:HGNC:10120]
11	ZNF530	1.78	-0.18	0.28	ZNF530 zinc finger protein 530 [Source:HGNC Symbol;Acc:HGNC:10121]
12	UGT3A2	1.78	-0.08	0.49	UGT3A2 UDP glycosyltransferase 3 family, polypeptide A2 [Source:HGNC Symbol;Acc:HGNC:10122]
13	CFAP46	1.73	-0.09	0.51	CFAP46 cilia and flagella associated protein 46 [Source:HGNC Symbol;Acc:HGNC:10123]
14	ADAM22	1.7	-0.14	0.59	ADAM22 ADAM metallopeptidase domain 22 [Source:HGNC Symbol;Acc:HGNC:10124]
15	TRPC1	1.7	-0.16	0.36	TRPC1 transient receptor potential cation channel, subfamily C, member 1 [Source:HGNC Symbol;Acc:HGNC:10125]
16	SLC29A3	1.68	-0.08	0.39	SLC29A3 solute carrier family 29 (equilibrative nucleoside transporter), member 3 [Source:HGNC Symbol;Acc:HGNC:10126]
17	RD3L	1.67	-0.09	0.49	RD3L retinal degeneration 3-like [Source:HGNC Symbol;Acc:HGNC:10127]
18	PDCD2L	1.66	-0.43	0.32	PDCD2L programmed cell death 2-like [Source:HGNC Symbol;Acc:HGNC:10128]
19	ZNF546	1.65	-0.15	0.42	ZNF546 zinc finger protein 546 [Source:HGNC Symbol;Acc:HGNC:10129]
20	ZNF248	1.65	-0.3	0.33	ZNF248 zinc finger protein 248 [Source:HGNC Symbol;Acc:HGNC:10130]

Geneset Overrepresentation

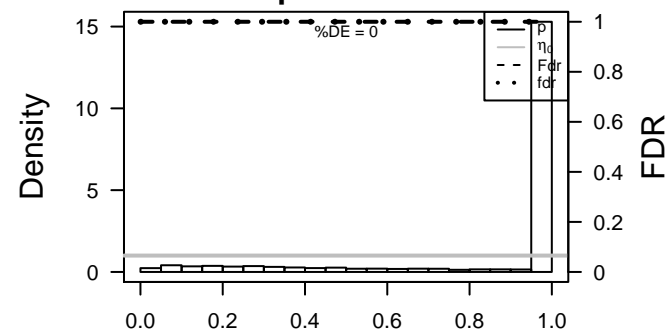
Rank	p-value	#in/all	Geneset
1	3e-04	6 / 138	GSE/ LEE_LIVER_CANCER_SURVIVAL_UP
2	8e-04	4 / 63	miRN hsa-miR-1285
3	3e-03	2 / 12	Glio Donson-chemokine/cytokine-receptors-associated with LTS in HGA
4	4e-03	3 / 47	GSE/ LEE_EARLY_T_LYMPHOCYTE_DN
5	4e-03	2 / 14	BP histone H4-K5 acetylation
6	4e-03	2 / 14	BP histone H4-K8 acetylation
7	4e-03	3 / 48	miRN hsa-miR-524-3p
8	4e-03	8 / 388	BP proteolysis
9	4e-03	2 / 15	BP peptide hormone processing
10	4e-03	2 / 15	GSE/ GEISS_RESPONSE_TO_DSRNA_DN
11	4e-03	4 / 101	miRN hsa-miR-325
12	5e-03	2 / 17	BP pseudouridine synthesis
13	6e-03	15 / 1122	Brain Fetal_K9K27me3
14	7e-03	3 / 61	miRN hsa-miR-612
15	7e-03	2 / 20	GSE/ NIKOLSKY_BREAST_CANCER_15Q26_AMPLICON
16	8e-03	2 / 21	GSE/ LA_MEN1_TARGETS
17	9e-03	2 / 22	MF delayed rectifier potassium channel activity
18	9e-03	2 / 22	CC histone acetyltransferase complex
19	9e-03	2 / 22	GSE/ HEIDENBLAD_AMPLICON_12P11_12_DN
20	9e-03	9 / 545	GSE/ GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBICIN_UP
21	1e-02	2 / 23	MF hydrolase activity, acting on ester bonds
22	1e-02	2 / 24	MF cation channel activity
23	1e-02	2 / 24	MF N-acetyltransferase activity
24	1e-02	3 / 72	GSE/ SAFFORD_T_LYMPHOCYTE_ANERGY
25	1e-02	2 / 26	BP cellular response to organic substance
26	1e-02	2 / 26	GSE/ WALK_AML_CLUSTER_4
27	1e-02	1 / 2	Glio WILLSCHER_GBM_LTSwt_proteomics-M_UP
28	1e-02	2 / 28	MF Ran GTPase binding
29	2e-02	4 / 145	miRN hsa-miR-922
30	2e-02	2 / 29	GSE/ ZHENG_IL22_SIGNALING_DN
31	2e-02	2 / 30	GSE/ LEE_LIVER_CANCER
32	2e-02	2 / 30	GSE/ PIONTEK_PKD1_TARGETS_UP
33	2e-02	3 / 82	GSE/ WINZEN_DEGRADED_VIA_KHSRP
34	2e-02	20 / 1872	TF ICGC_Mef2_targets
35	2e-02	2 / 31	CC brush border membrane
36	2e-02	2 / 31	GSE/ HADDAD_T_LYMPHOCYTE_AND_NK_PROGENITOR_DN
37	2e-02	6 / 319	Color Lembcke_TCGA-expr_kmeans_M_CIMP_H_DN
38	2e-02	6 / 321	miRN hsa-miR-32
39	2e-02	3 / 87	GSE/ MATZUK_SPERMATOZOA
40	2e-02	1 / 3	GSE/ CASORELLI_APL_SECONDARY_VS_DE_NOVO_DN

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: Q

metagenes = 8
genes = 53

<r> metagenes = 0.96
<r> genes = 0.21
beta: r2= 0.56 / log p= -Inf

samples with spot = 3 (3.3 %)
MSC2 : 3 (12 %)

Spot Genelist

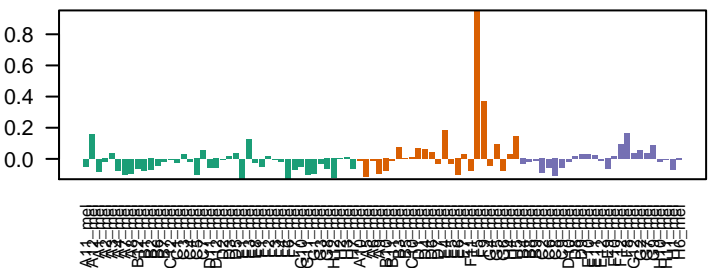
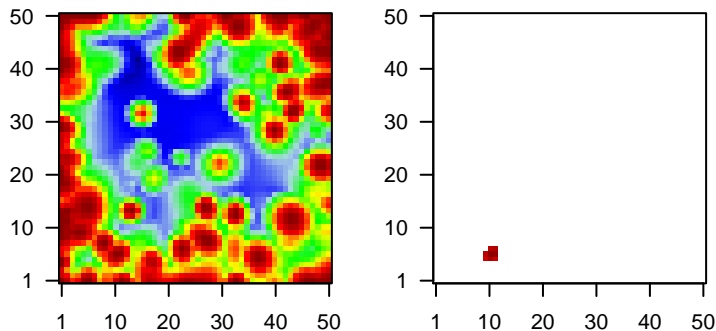
Rank	ID	max e	r	min e	Description
1	TRAF2	1.82	-0.16	0.33	TRAF2 TNF receptor-associated factor 2 [Source:HGNC Symbol;Acc:HGNC:10743]
2	TBC1D32	1.81	-0.38	0.29	TBC1D32TBC1 domain family, member 32 [Source:HGNC Symbol;Acc:HGNC:10743]
3	KDM7A	1.73	-0.05	0.48	KDM7A lysine (K)-specific demethylase 7A [Source:HGNC Symbol;Acc:HGNC:10743]
4	HKDC1	1.69	-0.03	0.53	HKDC1 hexokinase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:10743]
5	NEK1	1.68	-0.72	0.27	NEK1 NIMA-related kinase 1 [Source:HGNC Symbol;Acc:HGNC:7711]
6	PSG4	1.67	-0.11	0.31	PSG4 pregnancy specific beta-1-glycoprotein 4 [Source:HGNC Symbol;Acc:HGNC:10743]
7	DNAJA4	1.67	-0.13	0.35	DNAJA4 DnaJ (Hsp40) homolog, subfamily A, member 4 [Source:HGNC Symbol;Acc:HGNC:10743]
8	PYGL	1.64	-0.21	0.31	PYGL phosphorylase, glycogen, liver [Source:HGNC Symbol;Acc:HGNC:10743]
9	ZNF627	1.6	-0.29	0.46	ZNF627 zinc finger protein 627 [Source:HGNC Symbol;Acc:HGNC:3011]
10	JRK	1.6	-0.15	0.65	JRK Jrk homolog (mouse) [Source:HGNC Symbol;Acc:HGNC:6191]
11	DQX1	1.58	-0.02	0.59	DQX1 DEAQ box RNA-dependent ATPase 1 [Source:HGNC Symbol;Acc:HGNC:10743]
12	SYN3	1.52	-0.09	0.42	SYN3 synapsin III [Source:HGNC Symbol;Acc:HGNC:11496]
13	NEURL2	1.52	-0.06	0.32	NEURL2 neuralized E3 ubiquitin protein ligase 2 [Source:HGNC Symbol;Acc:HGNC:10743]
14	AGO3	1.48	-0.63	0.34	AGO3 argonaute RISC catalytic component 3 [Source:HGNC Symbol;Acc:HGNC:10743]
15	MBTD1	1.48	-0.29	0.37	MBTD1 mbt domain containing 1 [Source:HGNC Symbol;Acc:HGNC:10743]
16	EPB41L1	1.42	-0.14	0.42	EPB41L1erythrocyte membrane protein band 4.1-like 1 [Source:HGNC Symbol;Acc:HGNC:10743]
17	AGO4	1.41	-0.33	0.26	AGO4 argonaute RISC catalytic component 4 [Source:HGNC Symbol;Acc:HGNC:10743]
18	EEF1E1-BLC	1.38	-0.14	0.3	EEF1E1-BLC1S5 readthrough (NMD candidate) [Source:HGNC Symbol;Acc:HGNC:10743]
19	NADK	1.38	-0.31	0.34	NADK NAD kinase [Source:HGNC Symbol;Acc:HGNC:29831]
20	DHRS3	1.32	-0.03	0.51	DHRS3 dehydrogenase/reductase (SDR family) member 3 [Source:HGNC Symbol;Acc:HGNC:10743]

Geneset Overrepresentation

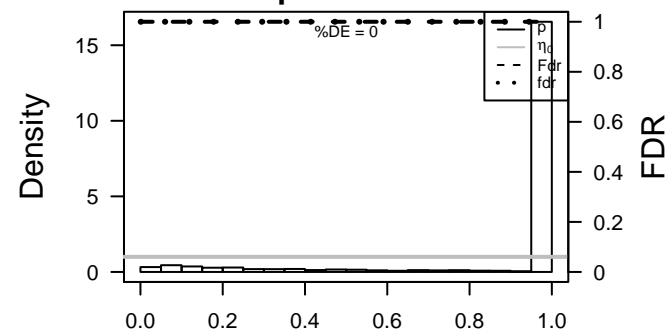
Rank	p-value	#in/all	Geneset
1	6e-04	2 / 10	BP production of miRNAs involved in gene silencing by miRNA
2	7e-04	2 / 11	BP myofibril assembly
3	7e-04	2 / 11	CC RISC complex
4	7e-04	2 / 11	Tissue WIRTH_Prim. lymphoid organs
5	8e-04	4 / 116	GSE/ YAGI_AML_WITH_T_9_11_TRANSLOCATION
6	8e-04	2 / 12	MF miRNA binding
7	8e-04	2 / 12	BP pre-miRNA processing
8	2e-03	2 / 18	BP mRNA catabolic process
9	2e-03	3 / 71	GSE/ WALLACE_PROSTATE_CANCER_RACE_DN
10	3e-03	2 / 21	GSE/ MARIADASON_RESPONSE_TO_CURCUMIN_SULINDAC_5
11	3e-03	8 / 683	GSE/ KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_UP
12	3e-03	2 / 22	GSE/ REACTOME_MICRORNA_MIRNA_BIOGENESIS
13	4e-03	2 / 25	BP lens development in camera-type eye
14	4e-03	2 / 25	GSE/ REACTOME_REGULATORY_RNA_PATHWAYS
15	4e-03	3 / 90	GSE/ BROWNE_HCMV_INFECTION_8HR_UP
16	4e-03	2 / 27	GSE/ REACTOME_PRE_NOTCH_TRANSCRIPTION_AND_TRANSLATION
17	5e-03	2 / 30	GSE/ NIKOLSKY_BREAST_CANCER_20Q11_AMPLICON
18	6e-03	2 / 33	MF single-stranded RNA binding
19	7e-03	5 / 338	GSE/ BASAKI_YBX1_TARGETS_DN
20	7e-03	3 / 111	Aging HORVATH_aging_genes_meth_UP
21	8e-03	4 / 219	GSE/ DOANE_RESPONSE_TO_ANDROGEN_DN
22	8e-03	2 / 37	miRN hsa-miR-501-3p
23	8e-03	2 / 37	miRN hsa-miR-1274a
24	9e-03	2 / 39	miRN hsa-miR-502-3p
25	9e-03	26 / 4829	TF ICGC_Nficsc81335_targets
26	9e-03	2 / 41	GSE/ REACTOME_PRE_NOTCH_EXPRESSION_AND_PROCESSING
27	9e-03	8 / 842	GSE/ KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_UP
28	1e-02	2 / 42	BP camera-type eye development
29	1e-02	5 / 376	GSE/ CHARAFE_BREAST_CANCER_LUMINAL_VS_MESENCHYMAL_UP
30	1e-02	3 / 129	GSE/ GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_BLUE_UP
31	1e-02	2 / 45	GSE/ TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_MONOCYTE_DN
32	1e-02	2 / 46	BP response to ionizing radiation
33	1e-02	3 / 133	GSE/ REACTOME_TRANSMISSION_ACROSS_CHEMICAL_SYNAPSES
34	1e-02	13 / 1872	TF ICGC_Mef2_targets
35	1e-02	21 / 3700	TF ICGC_Nfatc1_targets
36	1e-02	2 / 49	GSE/ MARIADASON_REGULATED_BY_HISTONE_ACETYLATION_DN
37	1e-02	10 / 1273	TF ICGC_P300_targets
38	1e-02	2 / 50	GSE/ HENDRICKS_SMARCA4_TARGETS_UP
39	1e-02	2 / 51	GSE/ ZWANG_EGF_PERSISTENTLY_DN
40	1e-02	2 / 52	MF double-stranded RNA binding

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: R

metagenes = 5
genes = 183

<r> metagenes = 0.98
<r> genes = 0.21
beta: r2= 1.22 / log p= -Inf

samples with spot = 1 (1.1 %)
MSC2 : 1 (4 %)

Spot Genelist

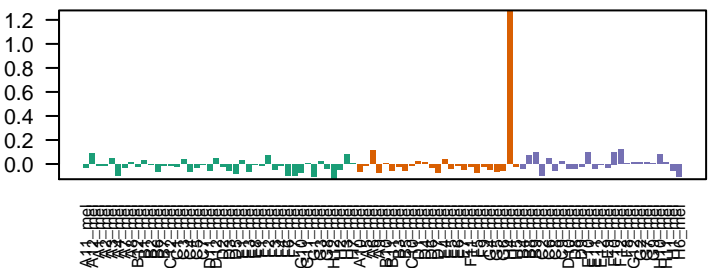
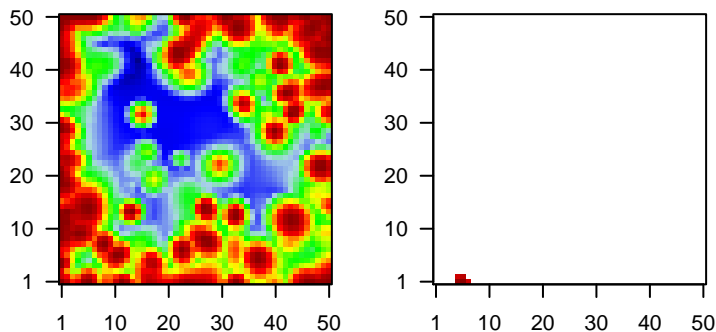
Rank	ID	max e	r	min e	Description
1	NINL	2.26	-0.04	0.79	NINL ninein-like [Source:HGNC Symbol;Acc:HGNC:29163]
2	PAN2	2.19	-0.24	0.32	PAN2 PAN2 poly(A) specific ribonuclease subunit [Source:HGNC Sy
3	C14orf93	2.1	-0.34	0.43	C14orf93 chromosome 14 open reading frame 93 [Source:HGNC Synt
4	NPL	2.03	-0.15	0.37	NPL N-acetylneuraminate pyruvate lyase (dihydropicolinate synt
5	COL4A5	2.01	-0.07	0.46	COL4A5 collagen, type IV, alpha 5 [Source:HGNC Symbol;Acc:HGNC:
6	FAM154B	1.99	-0.18	0.3	
7	TMEM164	1.95	-0.23	0.42	TMEM164 transmembrane protein 164 [Source:HGNC Symbol;Acc:HGNC
8	CFP	1.94	-0.03	0.87	CFP complement factor properdin [Source:HGNC Symbol;Acc:HGNC
9	RANBP3L	1.9	-0.03	0.86	RANBP3L RAN binding protein 3-like [Source:HGNC Symbol;Acc:HGNC
10	WWC1	1.86	-0.12	0.48	WWC1 WW and C2 domain containing 1 [Source:HGNC Symbol;Acc
11	FCN3	1.84	-0.08	0.55	FCN3 ficolin (collagen/fibrinogen domain containing) 3 [Source:HGNC
12	TMEM17	1.83	-0.3	0.22	TMEM17 transmembrane protein 17 [Source:HGNC Symbol;Acc:HGNC
13	ACTN2	1.81	-0.15	0.58	ACTN2 actinin, alpha 2 [Source:HGNC Symbol;Acc:HGNC:164]
14	TSSK4	1.81	-0.08	0.4	TSSK4 testis-specific serine kinase 4 [Source:HGNC Symbol;Acc:HGNC
15	DOPEY2	1.81	-0.21	0.36	DOPEY2 dopey family member 2 [Source:HGNC Symbol;Acc:HGNC:1
16	GRIP1	1.8	-0.22	0.34	GRIP1 glutamate receptor interacting protein 1 [Source:HGNC Synt
17	TMPRSS5	1.78	-0.09	0.35	TMPRSS5 transmembrane protease, serine 5 [Source:HGNC Symbol;Ac
18	ARNTL	1.77	-0.29	0.24	ARNTL aryl hydrocarbon receptor nuclear translocator-like [Source:H
19	STX4	1.76	-0.3	0.32	STX4 syntaxin 4 [Source:HGNC Symbol;Acc:HGNC:11439]
20	SEMA3B	1.76	-0.11	0.47	SEMA3B sema domain, immunoglobulin domain (Ig), short basic doma

Geneset Overrepresentation

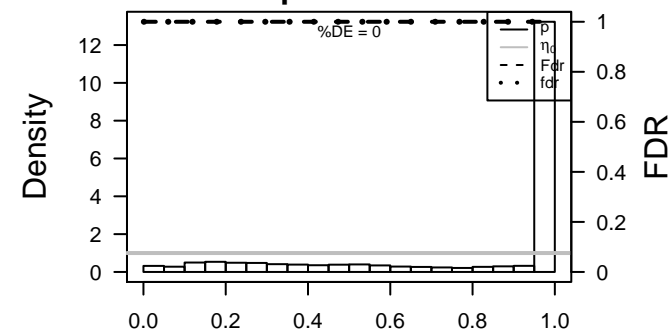
Rank	p-value	#in/all	Geneset
1	9e-04	3 / 16	GSE/ GAUSSMANN_MLL_AF4_FUSION_TARGETS_E_DN
2	1e-03	25 / 1079	Colon ZNF_Colon
3	1e-03	4 / 40	MF extracellular matrix structural constituent
4	2e-03	12 / 370	BP intracellular signal transduction
5	2e-03	3 / 22	BP positive regulation of transforming growth factor beta receptor signaling pat
6	2e-03	4 / 47	Glio Weller_LGG_gradell-vs-III_UP
7	3e-03	3 / 23	GSE/ BIOCARTA_PGC1A_PATHWAY
8	3e-03	4 / 49	GSE/ LEE_LIVER_CANCER_MYC_E2F1_UP
9	3e-03	2 / 7	GSE/ SCHUHMACHER_MYC_TARGETS_DN
10	4e-03	5 / 87	Glio GIEZELT_GBM_MGMTmethyl_up_VS_nonmethyl
11	5e-03	2 / 9	GSE/ BIOCARTA_ACE2_PATHWAY
12	6e-03	3 / 30	GSE/ REACTOME_NCAM1_INTERACTIONS
13	6e-03	2 / 10	BP negative regulation of calcium ion transport
14	6e-03	2 / 10	GSE/ BIOCARTA_PLATELETAPP_PATHWAY
15	6e-03	2 / 10	GSE/ BIOCARTA_VITCB_PATHWAY
16	6e-03	16 / 656	Brain Overlap_fetal_midbrain_EnhP
17	6e-03	11 / 378	MF structural molecule activity
18	7e-03	2 / 11	BP negative regulation of transcription regulatory region DNA binding
19	7e-03	2 / 11	MF telomeric DNA binding
20	7e-03	2 / 11	BP tRNA modification
21	8e-03	7 / 188	GSE/ YAUCH_HEDGEHOG_SIGNALING_PARACRINE_DN
22	8e-03	4 / 66	GSE/ REACTOME_INTEGRIN_CELL_SURFACE_INTERACTIONS
23	9e-03	4 / 67	GSE/ ZHONG_RESPONSE_TO_AZACITIDINE_AND_TSA_DN
24	9e-03	2 / 12	MF RNA polymerase II core promoter proximal region sequence-specific DNA
25	9e-03	2 / 12	MF RNA polymerase II transcription factor binding transcription factor activity
26	9e-03	2 / 12	GSE/ GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_MAGENT
27	9e-03	27 / 1386	Color Het_Colon
28	1e-02	7 / 195	GSE/ SHEN_SMARCA2_TARGETS_DN
29	1e-02	3 / 37	GSE/ TSENG_ADIPOGENIC_POTENTIAL_DN
30	1e-02	4 / 70	GSE/ YORDY_RECIPROCAL_REGULATION_BY_ETS1_AND_SP100_DN
31	1e-02	2 / 13	BP epithelial cell morphogenesis
32	1e-02	2 / 13	GSE/ BIOCARTA_AMI_PATHWAY
33	1e-02	2 / 13	GSE/ GHO_ATF5_TARGETS_UP
34	1e-02	3 / 38	MF protein complex scaffold
35	1e-02	3 / 38	GSE/ LUI_THYROID_CANCER_CLUSTER_2
36	1e-02	42 / 2462	Brain Mid_Frontal_Lobe_HetRpts
37	1e-02	2 / 14	GSE/ BIOCARTA_INTRINSIC_PATHWAY
38	1e-02	2 / 15	BP complement activation
39	1e-02	2 / 15	BP nucleotide phosphorylation
40	1e-02	2 / 15	BP osteoblast development

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: S

metagenes = 4
genes = 23

<r> metagenes = 0.99
<r> genes = 0.14
beta: r2= 0.78 / log p= -Inf

samples with spot = 16 (17.4 %)
MSC1 : 8 (19 %)
MSC2 : 5 (20 %)
MSC3 : 3 (12 %)

Spot Genelist

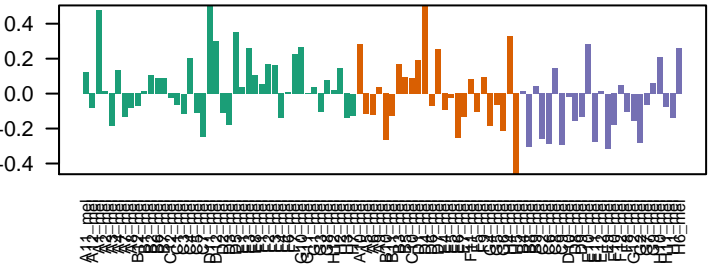
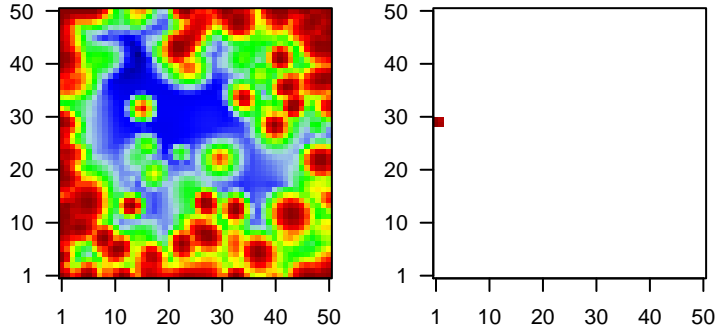
Rank	ID	max e	r	min e	Description
1	PEX16	1.94	-0.14	0.3	PEX16 peroxisomal biogenesis factor 16 [Source:HGNC Symbol;Acc:
2	MAP4K3	1.86	-0.43	0.25	MAP4K3 mitogen-activated protein kinase kinase kinase kinase 3 [So
3	SPATS1	1.73	-0.14	0.39	SPATS1 spermatogenesis associated, serine-rich 1 [Source:HGNC S
4	TBCK	1.7	-0.42	0.27	TBCK TBC1 domain containing kinase [Source:HGNC Symbol;Acc:I
5	GIMAP2	1.66	-0.11	0.22	GIMAP2 GTPase, IMAP family member 2 [Source:HGNC Symbol;Acc:
6	DOCK6	1.45	-0.36	0.31	DOCK6 dedicator of cytokinesis 6 [Source:HGNC Symbol;Acc:HGNC
7	WLS	1.41	-0.59	0.2	WLS wntless Wnt ligand secretion mediator [Source:HGNC Symbc
8	CYB5RL	1.4	-0.14	0.28	CYB5RL cytochrome b5 reductase-like [Source:HGNC Symbol;Acc:H
9	FHL2	1.39	-0.17	0.23	FHL2 four and a half LIM domains 2 [Source:HGNC Symbol;Acc:H
10	GADL1	1.3	-0.33	0.32	GADL1 glutamate decarboxylase-like 1 [Source:HGNC Symbol;Acc:t
11	SYS1	1.29	-0.9	0.37	SYS1 Sys1 golgi trafficking protein [Source:HGNC Symbol;Acc:HGT
12	TADA1	1.26	-0.77	0.34	TADA1 transcriptional adaptor 1 [Source:HGNC Symbol;Acc:HGNC::
13	PSEN2	1.19	-1.09	0.3	PSEN2 presenilin 2 [Source:HGNC Symbol;Acc:HGNC:9509]
14	INO80C	1.12	-0.9	0.26	INO80C INO80 complex subunit C [Source:HGNC Symbol;Acc:HGNC
15	TMEM161B	1.11	-0.81	0.27	TMEM161B transmembrane protein 161B [Source:HGNC Symbol;Acc:HG
16	TSHZ1	1.04	-0.6	0.27	TSHZ1 teashirt zinc finger homeobox 1 [Source:HGNC Symbol;Acc:t
17	PRKAR1B	1.01	-0.29	0.28	PRKAR1B protein kinase, cAMP-dependent, regulatory, type I, beta [So
18	CKLF-CMTM	1	-0.1	0.33	CKLF-CMTM CKLF-CMTM1 readthrough [Source:HGNC Symbol;Acc:HG
19	NSD1	0.95	-1.06	0.25	NSD1 nuclear receptor binding SET domain protein 1 [Source:HGNC
20	NR1H2	0.89	-1.11	0.28	NR1H2 nuclear receptor subfamily 1, group H, member 2 [Source:HG

Geneset Overrepresentation

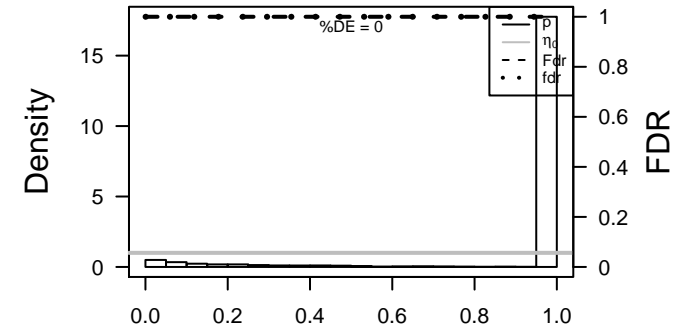
Rank	p-value	#in/all	Geneset
1	2e-04	2 / 15	MF retinoid X receptor binding
2	5e-04	11 / 2462	Brain Mid_Frontal_Lobe_HetRpts
3	1e-03	2 / 35	BP learning or memory
4	2e-03	2 / 38	miRN hsa-miR-490-5p
5	2e-03	2 / 39	MF androgen receptor binding
6	4e-03	2 / 62	GSE/ RAMASWAMY_METASTASIS_UP
7	4e-03	14 / 4774	TF ICGC_Foxm1_targets
8	5e-03	14 / 4829	TF ICGC_Nficc81335_targets
9	5e-03	2 / 68	GSE/ STAMBOLSKY_RESPONSE_TO_VITAMIN_D3_UP
10	5e-03	2 / 72	GSE/ HOEBEKE_LYMPHOID_STEM_CELL_DN
11	6e-03	2 / 75	miRN hsa-miR-513c
12	6e-03	13 / 4385	TF ICGC_Atf2_targets
13	6e-03	20 / 9020	Brain Overlap_fetal_midbrain_ReprPCWk
14	7e-03	2 / 80	BP chromatin remodeling
15	8e-03	10 / 2927	TF ICGC_Rad21_targets
16	8e-03	2 / 89	CC Z disc
17	8e-03	19 / 8415	Color Quies3_Colon
18	1e-02	2 / 98	GSE/ CERVERA_SDHB_TARGETS_1_UP
19	1e-02	13 / 4617	TF ICGC_Tcf12_targets
20	1e-02	14 / 5200	TF ICGC_Mta3_targets
21	1e-02	9 / 2563	Lymp HOPP_Heterochrom
22	1e-02	1 / 7	GSE/ PETRETTO_LEFT_VENTRICLE_MASS_QTL_CIS_DN
23	1e-02	2 / 103	GSE/ REACTOME_FACTORS_INVOLVED_IN_MEGAKARYOCYTE_DEVELOPM
24	1e-02	13 / 4689	TF ICGC_Taf1_targets
25	1e-02	8 / 2137	TF ICGC_SrfV0416101_targets
26	1e-02	3 / 314	GSE/ OSMAN_BLADDER_CANCER_DN
27	1e-02	1 / 8	GSE/ MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_27
28	1e-02	3 / 318	miRN hsa-miR-340
29	1e-02	16 / 6564	Lymp HOPP_Strong_enhancer
30	1e-02	21 / 10290	Color TssWk_Colon
31	1e-02	1 / 9	GSE/ EHRlich_ICF_SYNDROM_UP
32	1e-02	2 / 119	miRN hsa-miR-380
33	1e-02	11 / 3700	TF ICGC_Nfatc1_targets
34	1e-02	20 / 9528	Brain Overlap_fetal_midbrain_Quies
35	2e-02	1 / 10	BP beta-amyloid metabolic process
36	2e-02	1 / 10	BP DNA integration
37	2e-02	1 / 10	BP heart trabecula formation
38	2e-02	1 / 10	BP negative regulation of macrophage derived foam cell differentiation
39	2e-02	1 / 10	GSE/ REACTOME_SIGNALING_BY_NOTCH4
40	2e-02	1 / 10	GSE/ REACTOME_SIGNALING_BY_NOTCH2

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: T

metagenes = 3
genes = 129

<r> metagenes = 0.98
<r> genes = 0.19
beta: r2= 1.14 / log p= -Inf

samples with spot = 3 (3.3 %)
MSC2 : 1 (4 %)
MSC3 : 2 (8 %)

Spot Genelist

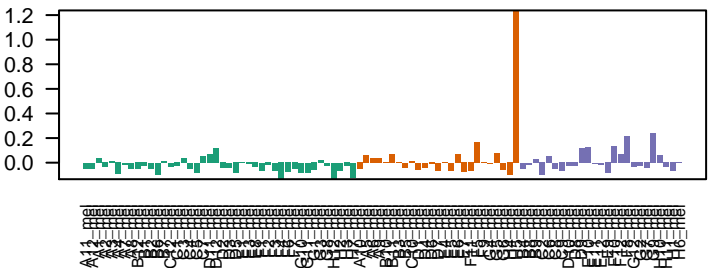
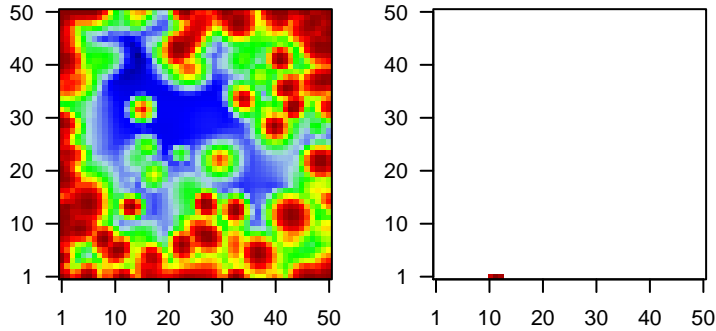
Rank	ID	max e	r	min e	Description
					Symbol
1	ZNF483	2.09	-0.13	0.46	ZNF483 zinc finger protein 483 [Source:HGNC Symbol;Acc:HGNC:23
2	C1orf111	2.02	-0.07	0.66	C1orf111 chromosome 1 open reading frame 111 [Source:HGNC Synt
3	SEPP1	1.92	-0.03	0.77	SEPP1 selenoprotein P, plasma, 1 [Source:HGNC Symbol;Acc:HGNC
4	C11orf71	1.91	-0.28	0.42	C11orf71 chromosome 11 open reading frame 71 [Source:HGNC Synt
5	FCGRT	1.9	-0.05	0.36	FCGRT Fc fragment of IgG, receptor, transporter, alpha [Source:HGN
6	PIGL	1.84	-0.33	0.26	PIGL phosphatidylinositol glycan anchor biosynthesis, class L [Sou
7	FGFBP2	1.83	-0.07	0.48	FGFBP2 fibroblast growth factor binding protein 2 [Source:HGNC Sym
8	ZNF77	1.83	-0.17	0.42	ZNF77 zinc finger protein 77 [Source:HGNC Symbol;Acc:HGNC:131:
9	STKLD1	1.82	-0.11	0.34	STKLD1 serine/threonine kinase-like domain containing 1 [Source:HG
10	TENM3	1.79	-0.26	0.39	TENM3 teneurin transmembrane protein 3 [Source:HGNC Symbol;Acc
11	CCDC80	1.79	-0.18	0.47	CCDC80 coiled-coil domain containing 80 [Source:HGNC Symbol;Acc
12	BAX	1.78	-0.22	0.41	BAX BCL2-associated X protein [Source:HGNC Symbol;Acc:HGNC
13	LGALS9	1.77	-0.09	0.41	LGALS9 lectin, galactoside-binding, soluble, 9 [Source:HGNC Symbol
14	ASPA	1.77	-0.16	0.41	ASPA aspartoacylase [Source:HGNC Symbol;Acc:HGNC:756]
15	SERPINE3	1.75	-0.09	0.39	SERPINE3 serpin peptidase inhibitor, clade E (nexin, plasminogen activa
16	PTPRU	1.75	-0.1	0.44	PTPRU protein tyrosine phosphatase, receptor type, U [Source:HGNC
17	ZNF606	1.71	-0.07	0.47	ZNF606 zinc finger protein 606 [Source:HGNC Symbol;Acc:HGNC:25:
18	MYOT	1.71	-0.1	0.38	MYOT myotilin [Source:HGNC Symbol;Acc:HGNC:12399]
19	INTS1	1.69	-0.29	0.37	INTS1 integrator complex subunit 1 [Source:HGNC Symbol;Acc:HGI
20	ZNF609	1.68	-0.43	0.34	ZNF609 zinc finger protein 609 [Source:HGNC Symbol;Acc:HGNC:29:

Geneset Overrepresentation

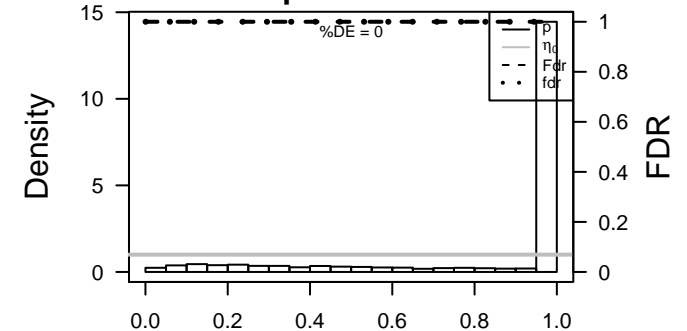
Rank	p-value	#in/all	Geneset
1	1e-04	3 / 12	GSE/ VERRECCHIA_RESPONSE_TO_TGFB1_C4
2	3e-04	27 / 1548	Brain Mid_Frontal_Lobe_K9K27me3
3	2e-03	2 / 8	Colon KIM_CRC-MSI-regulated_DN
4	2e-03	8 / 271	GSE/ ZHANG_TLX_TARGETS_60HR_UP
5	3e-03	2 / 10	BP response to dietary excess
6	4e-03	3 / 37	GSE/ VERRECCHIA_DELAYED_RESPONSE_TO_TGFB1
7	5e-03	2 / 12	MF channel activity
8	5e-03	2 / 13	MF antigen binding
9	5e-03	2 / 13	BP positive regulation of myoblast differentiation
10	5e-03	2 / 13	MF ubiquitin conjugating enzyme binding
11	5e-03	2 / 13	GSE/ TSAI_DNAJB4_TARGETS_UP
12	6e-03	38 / 2984	CC integral component of membrane
13	7e-03	32 / 2416	TF ICGC_Bcl3_targets
14	7e-03	12 / 622	GSE/ LEE_BMP2_TARGETS_UP
15	8e-03	5 / 143	BP protein homooligomerization
16	8e-03	8 / 331	GSE/ CHARAFE_BREAST_CANCER_LUMINAL_VS_BASAL_UP
17	8e-03	6 / 203	GSE/ GRAESSMANN_APOPTOSIS_BY_SERUM_DEPRIVATION_DN
18	9e-03	3 / 49	Glio OL vs. MOG- OL
19	9e-03	2 / 17	BP cellular respiration
20	9e-03	2 / 17	GSE/ ALONSO_METASTASIS_NEURAL_UP
21	1e-02	2 / 18	BP camera-type eye morphogenesis
22	1e-02	2 / 18	BP double-strand break repair via nonhomologous end joining
23	1e-02	2 / 18	GSE/ AMIT_EGF_RESPONSE_240_MCF10A
24	1e-02	2 / 19	MF acyl-CoA dehydrogenase activity
25	1e-02	3 / 55	miRN hsa-miR-28-3p
26	1e-02	3 / 55	GSE/ WANG_PROSTATE_CANCER_ANDROGEN_INDEPENDENT
27	1e-02	4 / 104	GSE/ DAIRKEE_TERT_TARGETS_DN
28	1e-02	2 / 20	GSE/ FARMER_BREAST_CANCER_CLUSTER_1
29	1e-02	2 / 21	BP positive regulation of muscle cell differentiation
30	1e-02	2 / 21	GSE/ YORDY_RECIPROCAL_REGULATION_BY_ETS1_AND_SP100_UP
31	1e-02	2 / 21	GSE/ PLASARI_TGFB1_SIGNALING_VIA_NFIC_1HR_UP
32	1e-02	6 / 228	GSE/ WANG_MLL_TARGETS
33	1e-02	6 / 231	GSE/ DURAND_STROMA_S_UP
34	2e-02	2 / 22	MF oxidoreductase activity, acting on the CH-CH group of donors
35	2e-02	31 / 2462	Brain Mid_Frontal_Lobe_HetRpts
36	2e-02	5 / 175	CC early endosome
37	2e-02	3 / 64	MF beta-catenin binding
38	2e-02	3 / 64	GSE/ YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_16
39	2e-02	2 / 24	GSE/ IVANOVA_HEMATOPOIESIS_STEM_CELL_SHORT_TERM
40	2e-02	2 / 24	GSE/ IKEDA_MIR30_TARGETS_DN

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: U

metagenes = 7
genes = 69

<r> metagenes = 0.97
<r> genes = 0.32
beta: r2= 0.37 / log p= -9.85

samples with spot = 1 (1.1 %)
MSC3 : 1 (4 %)

Spot Genelist

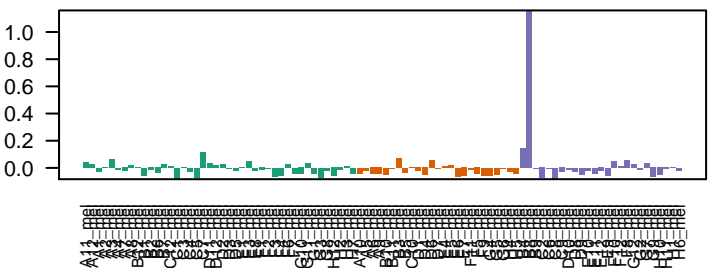
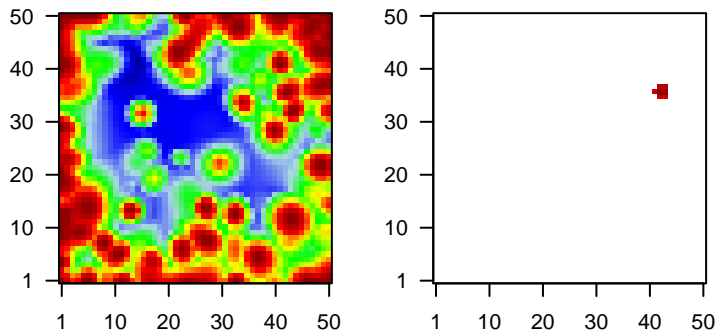
Rank	ID	max e	r	min e	Description
					Symbol
1	CXCL1	2.09	-0.14	0.29	CXCL1 chemokine (C-X-C motif) ligand 1 (melanoma growth stimule
2	CCDC159	1.72	-0.09	0.32	CCDC159coiled-coil domain containing 159 [Source:HGNC Symbol;Acc
3	NR0B1	1.71	-0.04	0.67	NR0B1 nuclear receptor subfamily 0, group B, member 1 [Source:HG
4	CARD10	1.7	-0.09	0.34	CARD10 caspase recruitment domain family, member 10 [Source:HGN
5	DNAJC22	1.7	-0.09	0.44	DNAJC22JnaJ (Hsp40) homolog, subfamily C, member 22 [Source:HG
6	EDC4	1.67	-0.68	0.38	EDC4 enhancer of mRNA decapping 4 [Source:HGNC Symbol;Acc:
7	SCGB1D2	1.66	-0.11	0.45	SCGB1D2secretoglobin, family 1D, member 2 [Source:HGNC Symbol;A
8	COL4A2	1.65	-0.1	0.49	COL4A2 collagen, type IV, alpha 2 [Source:HGNC Symbol;Acc:HGNC:
9	WDR66	1.6	-0.1	0.42	WDR66 WD repeat domain 66 [Source:HGNC Symbol;Acc:HGNC:28:
10	GDPD1	1.57	-0.16	0.35	GDPD1 glycerophosphodiester phosphodiesterase domain containing
11	FUZ	1.55	-0.06	0.41	FUZ fuzzy planar cell polarity protein [Source:HGNC Symbol;Acc:1
12	NRG1	1.54	-0.02	0.72	NRG1 neuregulin 1 [Source:HGNC Symbol;Acc:HGNC:7997]
13	CSRNP3	1.53	-0.06	0.44	CSRNP3cysteine-serine-rich nuclear protein 3 [Source:HGNC Symbc
14	CSRNP2	1.53	-0.15	0.42	CSRNP2cysteine-serine-rich nuclear protein 2 [Source:HGNC Symbc
15	FAM217A	1.5	-0.13	0.4	FAM217Afamily with sequence similarity 217, member A [Source:HGNC
16	FBXO34	1.49	-0.46	0.33	FBXO34 F-box protein 34 [Source:HGNC Symbol;Acc:HGNC:20201]
17	TMEM184B	1.49	-0.38	0.25	TMEM184Btransmembrane protein 184B [Source:HGNC Symbol;Acc:HG
18	LSMEM1	1.47	-0.08	0.3	LSMEM1leucine-rich single-pass membrane protein 1 [Source:HGNC
19	PIGO	1.46	-0.07	0.39	PIGO phosphatidylinositol glycan anchor biosynthesis, class O [Sou
20	SOSTDC1	1.45	-0.02	0.63	SOSTDC1sclerostin domain containing 1 [Source:HGNC Symbol;Acc:Hi

Geneset Overrepresentation

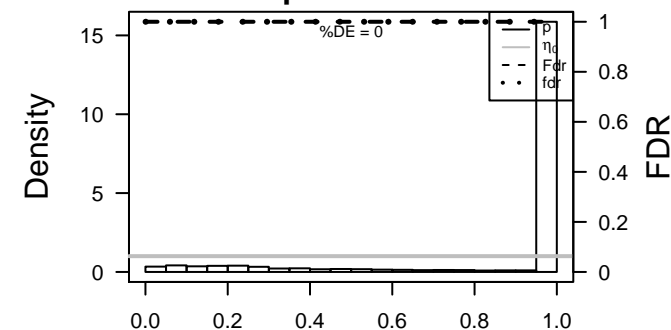
Rank	p-value	#in/all	Geneset
1	2e-04	9 / 452	Colon Lembecke_TCGA-expr_kmeans_E_CIMP.H_UP_Cluster4_DN
2	4e-04	5 / 134	GSE/ MIKKELSEN_MEF_HCP_WITH_H3_UNMETHYLATED
3	9e-04	3 / 41	BP negative regulation of phosphatase activity
4	2e-03	7 / 377	GSE/ SMID_BREAST_CANCER_LUMINAL_B_DN
5	2e-03	2 / 15	BP positive regulation of cardiac muscle cell proliferation
6	3e-03	3 / 63	MF RNA polymerase II transcription regulatory region sequence-specific DNA
7	3e-03	6 / 310	GSE/ MOREAUX_MULTIPLE_MYELOMA_BY_TACI_UP
8	4e-03	2 / 20	GSE/ PID_GLYPICAN_1PATHWAY
9	4e-03	8 / 558	Chr Chr 4
10	5e-03	3 / 72	GSE/ MOREAUX_B_LYMPHOCYTE_MATURATION_BY_TACI_UP
11	5e-03	2 / 22	CC transport vesicle membrane
12	5e-03	3 / 74	GSE/ RICKMAN_TUMOR_DIFFERENTIATED_WELL_VS_MODERATELY_DN
13	6e-03	5 / 250	CC microtubule
14	6e-03	2 / 26	GSE/ TERAO_AOX4_TARGETS_HG_UP
15	7e-03	4 / 162	HM HALLMARK_COMPLEMENT
16	7e-03	2 / 28	BP sperm motility
17	8e-03	5 / 263	GSE/ IVANOVA_HEMATOPOIESIS_MATURE_CELL
18	9e-03	2 / 30	BP activation of JUN kinase activity
19	1e-02	2 / 32	GSE/ OSADA_ASCL1_TARGETS_UP
20	1e-02	2 / 33	miRN hsa-miR-615-5p
21	1e-02	6 / 401	Canc Lembecke_Colonc Inflammation
22	1e-02	2 / 35	GSE/ LIU_TARGETS_OF_VMYB_VS_CMYB_DN
23	1e-02	3 / 104	MF growth factor activity
24	1e-02	8 / 674	GSE/ BENPORATH_SUZ12_TARGETS
25	1e-02	2 / 37	GSE/ ZUCCHI_METASTASIS_DN
26	1e-02	2 / 39	BP synapse assembly
27	1e-02	2 / 39	GSE/ PARENT_MTOR_SIGNALING_DN
28	1e-02	2 / 39	GSE/ BEGUM_TARGETS_OF_PAX3_FOXO1_FUSION_DN
29	1e-02	2 / 39	GSE/ JAZAERI_BREAST_CANCER_BRCA1_VS_BRCA2_DN
30	1e-02	2 / 40	GSE/ CHOI_ATL_STAGE_PREDICTOR
31	1e-02	2 / 40	GSE/ FIGUEROA_AML_METHYLATION_CLUSTER_2_UP
32	1e-02	3 / 111	Canc PanCan_RAS_geneset_nanostring
33	2e-02	2 / 41	MF phosphatase binding
34	2e-02	2 / 41	BP positive regulation of MAP kinase activity
35	2e-02	2 / 41	GSE/ ZHAN_V2_LATE_DIFFERENTIATION_GENES
36	2e-02	4 / 209	GSE/ KEGG_MAPK_SIGNALING_PATHWAY
37	2e-02	2 / 42	GSE/ BURTON_ADIPOGENESIS_4
38	2e-02	3 / 115	miRN hsa-miR-515-5p
39	2e-02	4 / 214	GSE/ WANG_CISPLATIN_RESPONSE_AND_XPC_DN
40	2e-02	1 / 4	GSE/ FUJIWARA_PARK2_IN_LIVER_CANCER_DN

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: V

metagenes = 5
genes = 72

<r> metagenes = 0.98
<r> genes = 0.1
beta: r2= 1.32 / log p= -Inf

samples with spot = 10 (10.9 %)

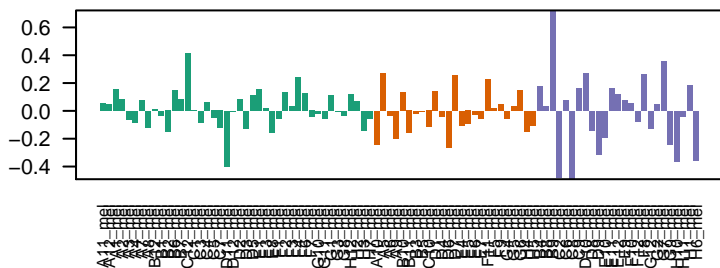
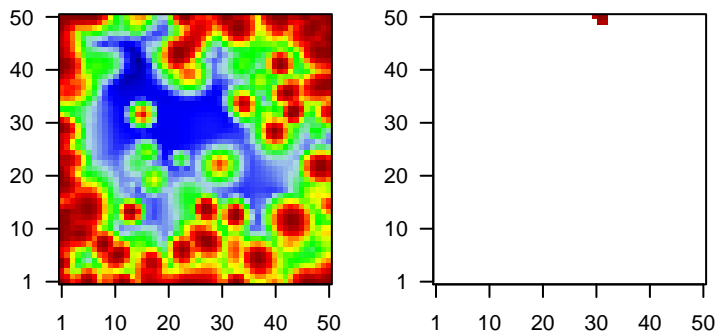
MSC1 : 2 (4.8 %)

MSC2 : 3 (12 %)

MSC3 : 5 (20 %)

Overview Map

Spot

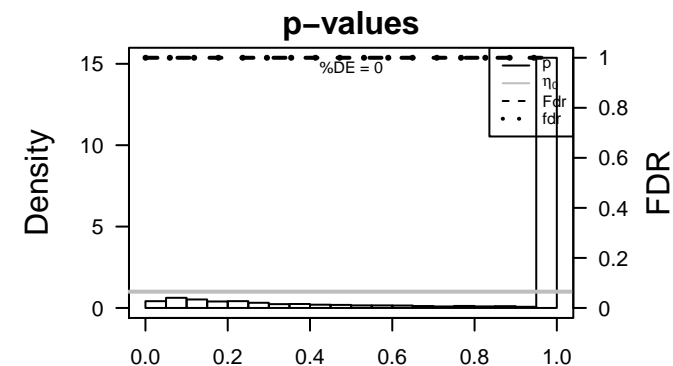


Spot Genelist

Rank	ID	max e	r	min e	Description
					Symbol
1	TYK2	2.19	-0.38	0.23	TYK2 tyrosine kinase 2 [Source:HGNC Symbol;Acc:HGNC:12440]
2	BAAT	1.99	-0.45	0.28	BAAT bile acid CoA:amino acid N-acyltransferase [Source:HGNC S
3	PLCG1	1.83	-0.72	0.36	PLCG1 phospholipase C, gamma 1 [Source:HGNC Symbol;Acc:HGN
4	PCK2	1.77	-0.36	0.39	PCK2 phosphoenolpyruvate carboxykinase 2 (mitochondrial) [Sourc
5	TRIM68	1.72	-0.24	0.3	TRIM68 tripartite motif containing 68 [Source:HGNC Symbol;Acc:HGN
6	DMWD	1.7	-0.24	0.22	DMWD dystrophia myotonica, WD repeat containing [Source:HGNC S
7	DAK	1.69	-0.31	0.33	DAK dihydroxyacetone kinase 2 homolog (S. cerevisiae) [Source:tr
8	POLR3F	1.67	-0.67	0.28	POLR3F polymerase (RNA) III (DNA directed) polypeptide F, 39 kDa [S
9	POLI	1.67	-0.5	0.34	POLI polymerase (DNA directed) iota [Source:HGNC Symbol;Acc:tr
10	MTRF1	1.66	-0.48	0.25	MTRF1 mitochondrial translational release factor 1 [Source:HGNC Sy
11	COG3	1.64	-0.54	0.39	COG3 component of oligomeric golgi complex 3 [Source:HGNC Syrr
12	APPL2	1.58	-0.55	0.35	APPL2 adaptor protein, phosphotyrosine interaction, PH domain and
13	ZNF561	1.55	-0.49	0.27	ZNF561 zinc finger protein 561 [Source:HGNC Symbol;Acc:HGNC:28
14	ZNF613	1.51	-0.13	0.31	ZNF613 zinc finger protein 613 [Source:HGNC Symbol;Acc:HGNC:25
15	DPY19L3	1.46	-0.45	0.33	DPY19L3dpy-19-like 3 (C. elegans) [Source:HGNC Symbol;Acc:HGNC
16	FKTN	1.46	-0.71	0.26	FKTN fukutin [Source:HGNC Symbol;Acc:HGNC:3622]
17	ZNF343	1.39	-0.25	0.27	ZNF343 zinc finger protein 343 [Source:HGNC Symbol;Acc:HGNC:16
18	CREB1	1.39	-1.12	0.24	CREB1 cAMP responsive element binding protein 1 [Source:HGNC S
19	CD9	1.38	-1.01	0.32	CD9 CD9 molecule [Source:HGNC Symbol;Acc:HGNC:1709]
20	XPO5	1.37	-1.25	0.21	XPO5 exportin 5 [Source:HGNC Symbol;Acc:HGNC:17675]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	2e-08	65 / 9027	Colon Tx_Colon
2	2e-07	62 / 8580	Colon TxWk_Colon
3	4e-06	48 / 5940	Brain Overlap_fetal_midbrain_HetRpts
4	6e-06	63 / 9482	Colon TssA_Colon
5	3e-05	60 / 9013	Brain Overlap_fetal_midbrain_K9K27me3
6	4e-05	42 / 5184	Lymph HOPE_Txn_transition
7	3e-04	5 / 120	GSE/ KARLSSON_TGFB1_TARGETS_UP
8	5e-04	48 / 6929	Lymph HOPE_Txn_elongation
9	7e-04	3 / 36	MF tRNA binding
10	7e-04	5 / 147	BP tRNA metabolic process
11	8e-04	2 / 9	GSE/ OUELLET_OVARIAN_CANCER_INVASIVE_VS_LMP_DN
12	9e-04	58 / 9330	Brain Overlap_fetal_midbrain_ReprPC
13	9e-04	6 / 233	GSE/ PENG_RAPAMYCIN_RESPONSE_DN
14	1e-03	7 / 325	GSE/ PENG_Glutamine_Deprivation_DN
15	1e-03	4 / 92	miRN hsa-miR-425
16	1e-03	14 / 1149	MF enzyme binding
17	1e-03	3 / 45	GSE/ STAMBOLSKY_TARGETS_OF_MUTATED_TP53_DN
18	1e-03	9 / 552	GSE/ HAMAL_APOPTOSIS_VIA_TRAIL_UP
19	2e-03	5 / 185	GSE/ WELSH_BRCA1_TARGETS_UP
20	2e-03	2 / 15	GSE/ BIOCARTA_ERK5_PATHWAY
21	3e-03	3 / 58	BP ER to Golgi vesicle-mediated transport
22	3e-03	9 / 615	GSE/ CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_DN
23	3e-03	2 / 17	MF RNA polymerase II core binding
24	3e-03	3 / 60	GSE/ SESTO_RESPONSE_TO_UV_C7
25	4e-03	3 / 67	GSE/ RADMACHER_AML_PROGNOSIS
26	4e-03	22 / 2577	CC nucleoplasm
27	5e-03	39 / 5696	CC nucleus
28	5e-03	52 / 8415	Color Quies3_Colon
29	5e-03	4 / 143	GSE/ VANTVEER_BREAST_CANCER_ESR1_UP
30	5e-03	3 / 73	GSE/ TOOKER_GEMCITABINE_RESISTANCE_UP
31	5e-03	14 / 1365	MF RNA binding
32	5e-03	2 / 23	MF rRNA binding
33	6e-03	2 / 24	MF histone acetyltransferase binding
34	6e-03	5 / 239	GSE/ HOLLMANN_APOPTOSIS_VIA_CD40_DN
35	6e-03	61 / 10605	CC intracellular
36	7e-03	3 / 79	GSE/ MORI_SMALL_PRE_BII_LYMPHOCYTE_UP
37	7e-03	2 / 26	GSE/ REACTOME_ASSOCIATION_OF_TRIC_CCT_WITH_TARGET_PROTEINS
38	7e-03	4 / 159	GSE/ PURBEY_TARGETS_OF_CTBP1_AND_SATB1_DN
39	8e-03	2 / 27	GSE/ REACTOME_DAG_AND_IP3_SIGNALING
40	8e-03	2 / 28	BP positive regulation of multicellular organism growth



Overexpression Spots

Spot Summary: W

metagenes = 10
genes = 166

<r> metagenes = 0.98
<r> genes = 0.28
beta: r2= 0.98 / log p= -Inf

samples with spot = 1 (1.1 %)
MSC3 : 1 (4 %)

Spot Genelist

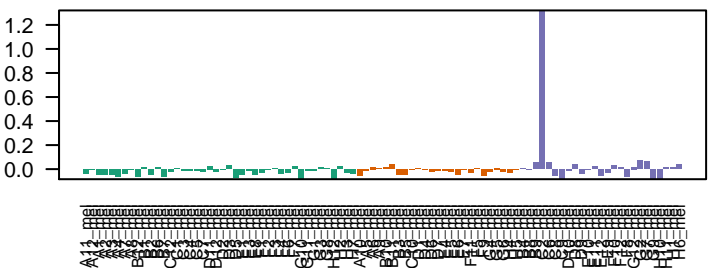
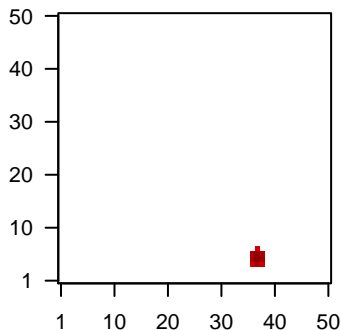
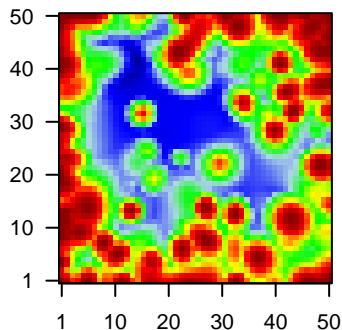
Rank	ID	max e	r	min e	Description
					Symbol
1	FAP	2.68	-0.06	0.83	FAP fibroblast activation protein, alpha [Source:HGNC Symbol;Acc:HGNC:2095]
2	CLU	2.35	-0.13	0.5	CLU clusterin [Source:HGNC Symbol;Acc:HGNC:2095]
3	CPNE7	2.15	-0.03	0.94	CPNE7 copine VII [Source:HGNC Symbol;Acc:HGNC:2320]
4	WDR90	2.04	-0.35	0.29	WDR90 WD repeat domain 90 [Source:HGNC Symbol;Acc:HGNC:261]
5	HSF4	1.98	-0.15	0.42	HSF4 heat shock transcription factor 4 [Source:HGNC Symbol;Acc:HGNC:2095]
6	CLDN15	1.9	-0.12	0.65	CLDN15 claudin 15 [Source:HGNC Symbol;Acc:HGNC:2036]
7	SLC10A7	1.89	-0.17	0.4	SLC10A7solute carrier family 10, member 7 [Source:HGNC Symbol;Acc:HGNC:2095]
8	SNX16	1.89	-0.17	0.26	SNX16 sorting nexin 16 [Source:HGNC Symbol;Acc:HGNC:14980]
9	BBS1	1.84	-0.26	0.32	BBS1 Bardet-Biedl syndrome 1 [Source:HGNC Symbol;Acc:HGNC:2095]
10	FHL3	1.83	-0.11	0.6	FHL3 four and a half LIM domains 3 [Source:HGNC Symbol;Acc:HGNC:2095]
11	PPP1R12B	1.81	-0.43	0.28	PPP1R12Bprotein phosphatase 1, regulatory subunit 12B [Source:HGNC Symbol;Acc:HGNC:2095]
12	C15orf65	1.79	-0.07	0.65	C15orf65chromosome 15 open reading frame 65 [Source:HGNC Synt
13	GPRC5A	1.78	-0.07	0.48	GPRC5AG protein-coupled receptor, class C, group 5, member A [So
14	MRAS	1.78	-0.21	0.43	MRAS muscle RAS oncogene homolog [Source:HGNC Symbol;Acc:HGNC:2095]
15	TMEM140	1.78	-0.21	0.44	TMEM140transmembrane protein 140 [Source:HGNC Symbol;Acc:HGNC:2095]
16	FAM149A	1.78	-0.07	0.59	FAM149Afamily with sequence similarity 149, member A [Source:HGNC
17	ZNF350	1.76	-0.62	0.27	ZNF350 zinc finger protein 350 [Source:HGNC Symbol;Acc:HGNC:161]
18	TEP1	1.75	-0.14	0.46	TEP1 telomerase-associated protein 1 [Source:HGNC Symbol;Acc:HGNC:2095]
19	AQPEP	1.75	-0.06	0.9	AQPEP aquaporin 1 [Source:HGNC Symbol;Acc:HGNC:2095]
20	SOBP	1.74	-0.18	0.43	SOBP sine oculis binding protein homolog (Drosophila) [Source:HGI

Geneset Overrepresentation

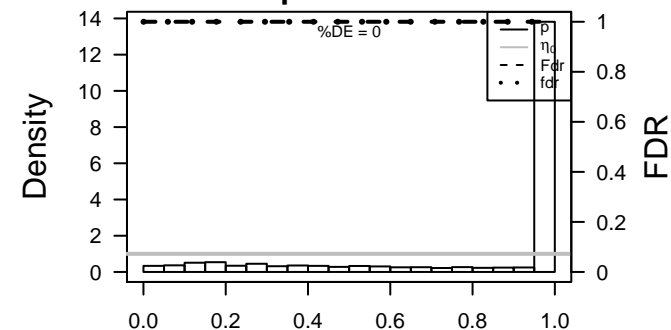
Rank	p-value	#in/all	Geneset
1	3e-05	55 / 2972	Brain Mid_Frontal_Lobe_ReprPC
2	2e-04	3 / 10	BP activation of transmembrane receptor protein tyrosine kinase activity
3	3e-04	5 / 55	GSE# GEORGANTAS_HSC_MARKERS
4	4e-04	0 / 14	Canci LIU_PROSTATE_CANCER_DN
5	9e-04	8 / 180	GSE# GAL_LEUKEMIC_STEM_CELL_DN
6	1e-03	6 / 103	GSE# BHATI_G2M_ARREST_BY_2METHOXYESTRADIOL_UP
7	1e-03	17 / 668	Brain Mid_Frontal_Lobe_Enh
8	1e-03	27 / 1317	Colon EnhP_Colon
9	2e-03	3 / 21	GSE# GENTLES_LEUKEMIC_STEM_CELL_UP
10	2e-03	5 / 77	GSE# GAUSSMANN_MLL_AF4_FUSION_TARGETS_E_UP
11	2e-03	54 / 3396	Lymph HOPP_Repressed
12	2e-03	4 / 49	GSE# DELASERNA_MYOD_TARGETS_DN
13	2e-03	4 / 50	GSE# GUTIERREZ_CHRONIC_LYMPHOCYTIC_LEUKEMIA_DN
14	2e-03	2 / 7	GSE# OXFORD_RALB_TARGETS_UP
15	4e-03	15 / 618	GSE# GOZGIT_ESR1_TARGETS_DN
16	4e-03	10 / 332	GSE# PEDRIOLI_MIR31_TARGETS_DN
17	5e-03	37 / 2188	Lymph HOPP_Poised_promoter
18	5e-03	25 / 1308	GSE# DODD_NASOPHARYNGEAL_CARCINOMA_UP
19	5e-03	2 / 10	BP positive regulation of interleukin-4 production
20	5e-03	4 / 63	GSE# HECKER_IFNB1_TARGETS
21	5e-03	5 / 102	CC cytoplasmic vesicle membrane
22	6e-03	3 / 33	GSE# GRAHAM_CML QUIESCENT_VS_NORMAL QUIESCENT_DN
23	6e-03	4 / 66	GSE# REACTOME_TRANSCRIPTIONAL_REGULATION_OF_WHITE_ADIPOCY
24	6e-03	4 / 66	GSE# BAELDE_DIABETIC_NEPHROPATHY_UP
25	6e-03	4 / 66	GSE# ZWANG_EGF_INTERVAL_UP
26	6e-03	2 / 11	GSE# SHI_SPARC_TARGETS_DN
27	6e-03	2 / 11	GSE# WU_HBX_TARGETS_3_DN
28	7e-03	3 / 35	BP learning or memory
29	7e-03	3 / 35	BP skeletal muscle cell differentiation
30	7e-03	9 / 304	GSE# GINESTIER_BREAST_CANCER_ZNF217_AMPLIFIED_DN
31	8e-03	3 / 37	CC lateral plasma membrane
32	8e-03	20 / 1013	Brain Fetal_TssP
33	8e-03	4 / 72	GSE# SAFFORD_T_LYMPHOCYTE_ANERGY
34	8e-03	3 / 38	BP cellular response to amino acid stimulus
35	9e-03	4 / 73	Glio Sturm_GBM_Meth_overexpression_L_RTK1_PDGFR_A_UP
36	9e-03	2 / 13	BP actin filament-based movement
37	9e-03	2 / 13	BP calcium-independent cell-cell adhesion via plasma membrane cell-adhesi
38	9e-03	8 / 263	Color Pentrack_CRC_TCGA_corr_J_msi-h_UP_mss_DN
39	9e-03	5 / 115	BP cell cycle arrest
40	9e-03	8 / 266	GSE# VECCHI_GASTRIC_CANCER_EARLY_DN

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: X

metagenes = 3
genes = 69

<r> metagenes = 0.98
<r> genes = 0.16
beta: r2= 1.25 / log p= -Inf

samples with spot = 11 (12 %)
MSC1 : 2 (4.8 %)
MSC2 : 2 (8 %)
MSC3 : 7 (28 %)

Spot Genelist

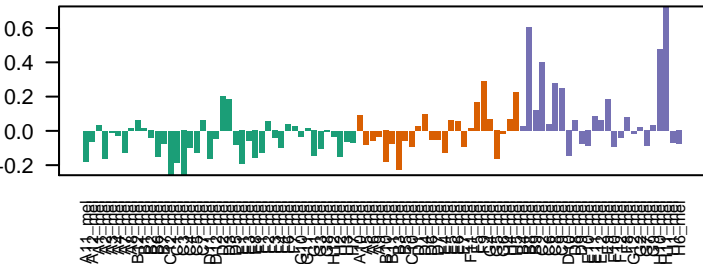
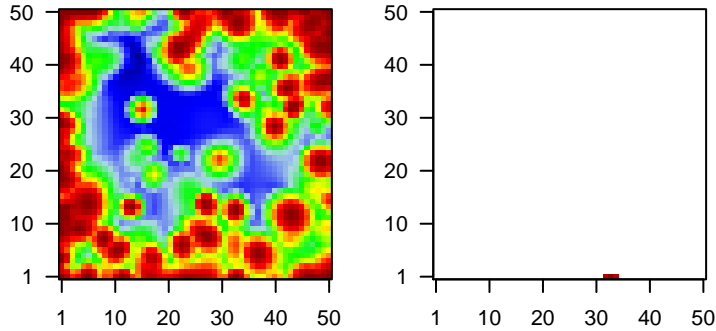
Rank	ID	max e	r	min e	Description
					Symbol
1	PIGB	1.97	-0.55	0.32	PIGB phosphatidylinositol glycan anchor biosynthesis, class B [Sou
2	AKAP7	1.92	-0.37	0.36	AKAP7 A kinase (PRKA) anchor protein 7 [Source:HGNC Symbol;Acc
3	CAPNS2	1.85	-0.05	0.5	CAPNS2 calpain, small subunit 2 [Source:HGNC Symbol;Acc:HGNC:1
4	RFX3	1.8	-0.12	0.34	RFX3 regulatory factor X, 3 (influences HLA class II expression) [Sc
5	MED18	1.74	-0.28	0.28	MED18 mediator complex subunit 18 [Source:HGNC Symbol;Acc:HG
6	ITPR1	1.7	-0.28	0.26	ITPR1 inositol 1,4,5-trisphosphate receptor, type 1 [Source:HGNC S
7	ZNF701	1.68	-0.41	0.35	ZNF701 zinc finger protein 701 [Source:HGNC Symbol;Acc:HGNC:25
8	ZNF28	1.61	-0.51	0.35	ZNF28 zinc finger protein 28 [Source:HGNC Symbol;Acc:HGNC:130
9	APOBEC3H	1.6	-0.16	0.4	APOBEC3H apolipoprotein B mRNA editing enzyme, catalytic polypeptide
10	GBX2	1.56	-0.05	0.4	GBX2 gastrulation brain homeobox 2 [Source:HGNC Symbol;Acc:Hi
11	ABHD14A	1.55	-0.55	0.29	ABHD14A abhydrolase domain containing 14A [Source:HGNC Symbol;A
12	APBB3	1.54	-0.21	0.3	APBB3 amyloid beta (A4) precursor protein-binding, family B, membe
13	NAP1L5	1.54	-0.4	0.37	NAP1L5 nucleosome assembly protein 1-like 5 [Source:HGNC Symbc
14	SEPT4	1.53	-0.38	0.4	SEPT4 septin 4 [Source:HGNC Symbol;Acc:HGNC:9165]
15	GYG2	1.53	-0.5	0.27	GYG2 glycogenin 2 [Source:HGNC Symbol;Acc:HGNC:4700]
16	TMCO3	1.5	-0.71	0.29	TMCO3 transmembrane and coiled-coil domains 3 [Source:HGNC Sy
17	LZTFL1	1.5	-0.72	0.31	LZTFL1 leucine zipper transcription factor-like 1 [Source:HGNC Symt
18	AFAP1L2	1.49	-0.16	0.68	AFAP1L2 actin filament associated protein 1-like 2 [Source:HGNC Syrr
19	L3HYPDH	1.47	-0.77	0.29	L3HYPDH L-3-hydroxyproline dehydratase (trans-) [Source:HGNC Syn
20	AK8	1.44	-0.09	0.66	AK8 adenylate kinase 8 [Source:HGNC Symbol;Acc:HGNC:26526

Geneset Overrepresentation

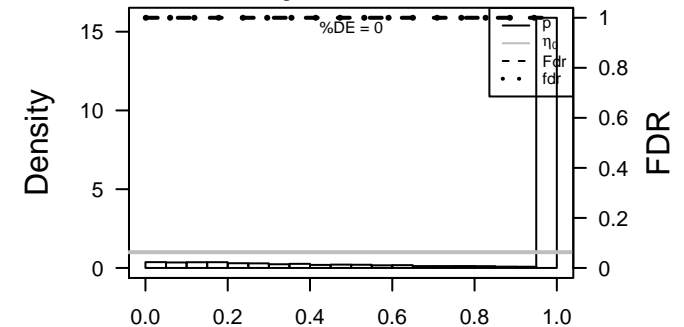
Rank	p-value	#in/all	Geneset
1	6e-04	3 / 37	HM HALLMARK_APICAL_SURFACE
2	1e-03	59 / 10605	CC intracellular
3	2e-03	2 / 16	GSE# MA_PITUITARY_FETAL_VS_ADULT_DN
4	3e-03	2 / 17	GSE# BIOCARTA_UCALPAIN_PATHWAY
5	3e-03	3 / 61	GSE# HOSHIDA_LIVER_CANCER_SURVIVAL_UP
6	3e-03	7 / 427	GSE# PILON_KLF1_TARGETS_UP
7	3e-03	24 / 3081	Brain Mid_Frontal_Lobe_ZNF
8	3e-03	2 / 19	GSE# BUCKANOVICH_T_LYMPHOCYTE_HOMING_ON_TUMOR_DN
9	4e-03	3 / 68	GSE# PID_AVB3_INTEGRIN_PATHWAY
10	4e-03	6 / 329	GSE# REACTOME_TRANSMEMBRANE_TRANSPORT_OF_SMALL_MOLECUL
11	4e-03	2 / 22	BP patterning of blood vessels
12	4e-03	2 / 22	GSE# BIOCARTA_MCALPAIN_PATHWAY
13	4e-03	2 / 22	GSE# MATZUK_MALE_REPRODUCTION_SERTOLI
14	5e-03	2 / 23	GSE# XU_HGF_SIGNALING_NOT_VIA_AKT1_6HR
15	5e-03	9 / 730	GSE# RODRIGUES_THYROID_CARINOMA_POORLY_DIFFERENTIATED_DN
16	6e-03	3 / 80	GSE# ZHANG_TARGETS_OF_EWSR1_FL1_FUSION
17	6e-03	2 / 26	GSE# MAYBURD_RESPONSE_TO_L663536_UP
18	7e-03	37 / 5880	Color TssD2_Colon
19	7e-03	2 / 28	GSE# HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_1_UP
20	7e-03	2 / 28	GSE# MATZUK_SPERMATID_DIFFERENTIATION
21	7e-03	3 / 87	GSE# MATZUK_SPERMATOZOA
22	7e-03	5 / 268	Lymp SPANG_IL21 UP
23	8e-03	2 / 30	GSE# RODRIGUES_NTN1_AND_DCC_TARGETS
24	8e-03	2 / 30	GSE# GRADE_COLON_CANCER_DN
25	9e-03	1 / 2	Color Budinska_C_CIMP-H-like_DOWN
26	1e-02	3 / 100	Aging HORVATH_aging_genes_meth DOWN
27	1e-02	2 / 35	CC mediator complex
28	1e-02	2 / 35	GSE# CEBALLOS_TARGETS_OF_TP53_AND_MYC_DN
29	1e-02	2 / 37	GSE# BIOCARTA_INTEGRIN_PATHWAY
30	1e-02	3 / 108	GSE# MULLIGHAN_NPM1_MUTATED_SIGNATURE_1_DN
31	1e-02	4 / 201	GSE# WHITFIELD_CELL_CYCLE_G2_M
32	1e-02	48 / 8580	Color TxWk_Colon
33	1e-02	5 / 315	Glio WILLSCHER_GBM_Verhaak-PNwt & CL_up
34	1e-02	2 / 40	GSE# WANG_BARRETTS_ESOPHAGUS_UP
35	2e-02	12 / 1333	Brain Fetal_ReprPCWk
36	2e-02	2 / 42	GSE# JIANG_AGING_HYPOTHALAMUS_UP
37	2e-02	21 / 2927	TF ICGC_Rad21_targets
38	2e-02	65 / 13191	CC cellular_component
39	2e-02	6 / 456	MF protein binding transcription factor activity
40	2e-02	46 / 8205	CC cytoplasm

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: Y

metagenes = 7
genes = 166

<r> metagenes = 0.94
<r> genes = 0.18
beta: r2= 1.48 / log p= -Inf

samples with spot = 9 (9.8 %)

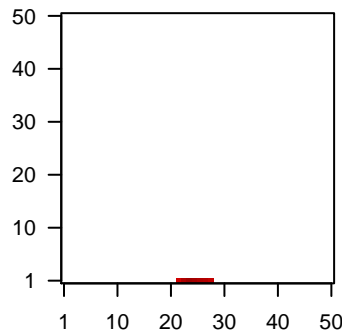
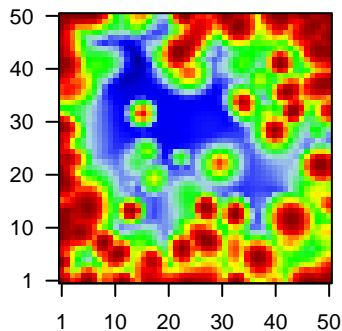
MSC1 : 1 (2.4 %)

MSC2 : 2 (8 %)

MSC3 : 6 (24 %)

Overview Map

Spot

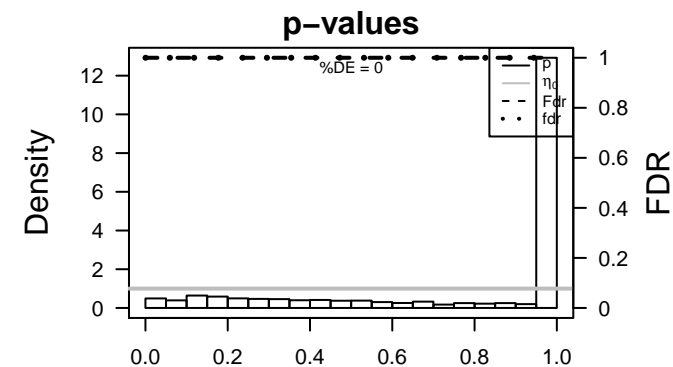
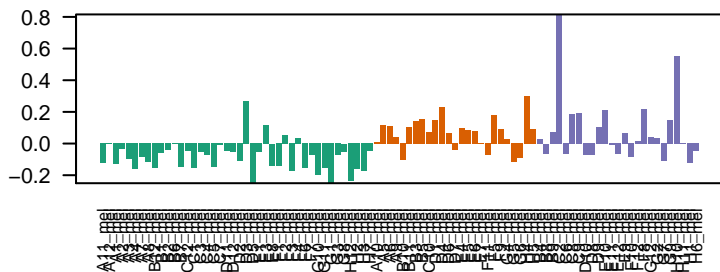


Spot Genelist

Rank	ID	max e	r	min e	Description
1	PELP1	1.9	-0.32	0.55	PELP1 proline, glutamate and leucine rich protein 1 [Source:HGNC S
2	RCBTB2	1.87	-0.27	0.37	RCBTB2 regulator of chromosome condensation (RCC1) and BTB (PC
3	BMP4	1.84	-0.21	0.45	BMP4 bone morphogenetic protein 4 [Source:HGNC Symbol;Acc:HGNC:1
4	BBS10	1.74	-0.2	0.49	BBS10 Bardet-Biedl syndrome 10 [Source:HGNC Symbol;Acc:HGNC:1
5	ATG2B	1.7	-0.32	0.46	ATG2B autophagy related 2B [Source:HGNC Symbol;Acc:HGNC:201
6	ATG4A	1.64	-0.6	0.24	ATG4A autophagy related 4A, cysteine peptidase [Source:HGNC Syr
7	GALK2	1.64	-0.44	0.28	GALK2 galactokinase 2 [Source:HGNC Symbol;Acc:HGNC:4119]
8	ZNF525	1.63	-0.32	0.36	ZNF525 zinc finger protein 525 [Source:HGNC Symbol;Acc:HGNC:29
9	ITSN2	1.62	-0.64	0.33	ITSN2 intersectin 2 [Source:HGNC Symbol;Acc:HGNC:6184]
10	IKBKE	1.62	-0.27	0.43	IKBKE inhibitor of kappa light polypeptide gene enhancer in B-cells,
11	RNF25	1.6	-0.33	0.28	RNF25 ring finger protein 25 [Source:HGNC Symbol;Acc:HGNC:146
12	AKR1C3	1.59	-0.15	0.54	AKR1C3 aldo-keto reductase family 1, member C3 [Source:HGNC Syr
13	FBXO36	1.58	-0.24	0.35	FBXO36 F-box protein 36 [Source:HGNC Symbol;Acc:HGNC:27020]
14	TLE1	1.57	-0.57	0.46	TLE1 transducin-like enhancer of split 1 (E(sp1) homolog, Drosoph
15	POLL	1.56	-0.27	0.33	POLL polymerase (DNA directed), lambda [Source:HGNC Symbol;A
16	ADCY6	1.55	-0.31	0.46	ADCY6 adenylate cyclase 6 [Source:HGNC Symbol;Acc:HGNC:237]
17	NCKAP5L	1.46	-0.2	0.4	NCKAP5NCK-associated protein 5-like [Source:HGNC Symbol;Acc:H
18	WDR73	1.46	-0.53	0.31	WDR73 WD repeat domain 73 [Source:HGNC Symbol;Acc:HGNC:25
19	ARNT	1.44	-0.88	0.36	ARNT aryl hydrocarbon receptor nuclear translocator [Source:HGNC
20	DIRC2	1.43	-0.34	0.39	DIRC2 disrupted in renal carcinoma 2 [Source:HGNC Symbol;Acc:Hi

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	1e-06	5 / 19	BP protein targeting to Golgi
2	1e-05	5 / 28	BP intracellular transport
3	1e-04	6 / 68	GSE/ KEGG_RENAL_CELL_CARCINOMA
4	1e-04	5 / 43	BP autophagic vacuole assembly
5	5e-04	6 / 93	GSE/ REACTOME_SIGNALING_BY_FGFR
6	6e-04	10 / 259	BP protein targeting
7	7e-04	6 / 99	GSE/ REACTOME_SIGNALING_BY_EGFR_IN_CANCER
8	8e-04	3 / 17	BP cellular response to nitrogen starvation
9	1e-03	6 / 107	GSE/ REACTOME_SIGNALING_BY_FGFR_IN_DISEASE
10	1e-03	2 / 5	GSE/ MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_1
11	1e-03	10 / 287	GSE/ GRESHOCK_CANCER_COPY_NUMBER_UP
12	1e-03	4 / 44	GSE/ PID_HES_HEY_PATHWAY
13	1e-03	3 / 21	BP nucleophagy
14	2e-03	3 / 23	BP response to tumor necrosis factor
15	2e-03	4 / 49	miRN hsa-miR-1224-3p
16	2e-03	6 / 120	GSE/ REACTOME_NGF_SIGNALLING_VIA_TRKA_FROM_THE_PLASMA_ME
17	2e-03	5 / 83	GSE/ REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATED_FGFR
18	2e-03	5 / 84	GSE/ REACTOME_DOWNSTREAM_SIGNALING_TRANSDUCTION
19	2e-03	2 / 7	GSE/ JIANG_CORE_DUPLICATION_GENES
20	3e-03	5 / 89	GSE/ REACTOME_SIGNALING_BY_ERBB2
21	3e-03	3 / 27	BP retina homeostasis
22	3e-03	3 / 27	GSE/ WANG_RESPONSE_TO_ANDROGEN_UP
23	3e-03	3 / 27	GSE/ NOJIMA_SFRP2_TARGETS_UP
24	3e-03	3 / 27	GSE/ CHOW_RASSF1_TARGETS_DN
25	4e-03	6 / 136	GSE/ KEGG_CHEMOKINE_SIGNALING_PATHWAY
26	4e-03	3 / 29	MF ubiquitin-like protein transferase activity
27	4e-03	30 / 1664	BP transcription, DNA-templated
28	4e-03	4 / 59	GSE/ KEGG_FC_EPSILON_RI_SIGNALING_PATHWAY
29	4e-03	3 / 30	BP cellular response to calcium ion
30	4e-03	6 / 139	GSE/ FIRESTEIN_PROLIFERATION
31	4e-03	4 / 61	GSE/ REACTOME_SIGNALING_BY_NOTCH1
32	5e-03	4 / 63	GSE/ LIN_MELANOMA_COPY_NUMBER_UP
33	5e-03	3 / 32	BP mitochondrion degradation
34	5e-03	3 / 32	BP positive regulation of cell death
35	5e-03	8 / 244	MF ubiquitin-protein transferase activity
36	6e-03	3 / 34	GSE/ PID_HIF2PATHWAY
37	6e-03	3 / 34	GSE/ PID_CD8_TCR_DOWNSTREAM_PATHWAY
38	6e-03	2 / 11	BP stress fiber assembly
39	6e-03	5 / 107	GSE/ REACTOME_SIGNALING_BY_PDGF
40	7e-03	7 / 201	GSE/ RAO_BOUND_BY_SALL4



Overexpression Spots

Spot Summary: Z

metagenes = 16
genes = 104

<r> metagenes = 0.94
<r> genes = 0.1
beta: r2= 0.82 / log p= -Inf

samples with spot = 8 (8.7 %)

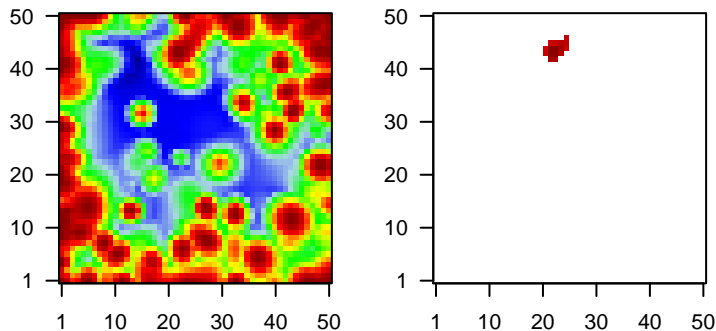
MSC1 : 5 (11.9 %)

MSC2 : 2 (8 %)

MSC3 : 1 (4 %)

Overview Map

Spot

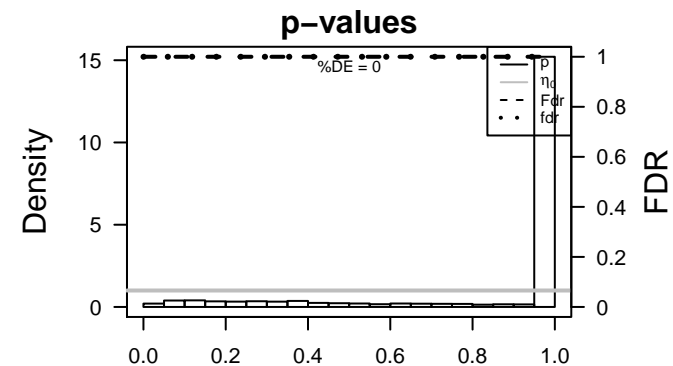
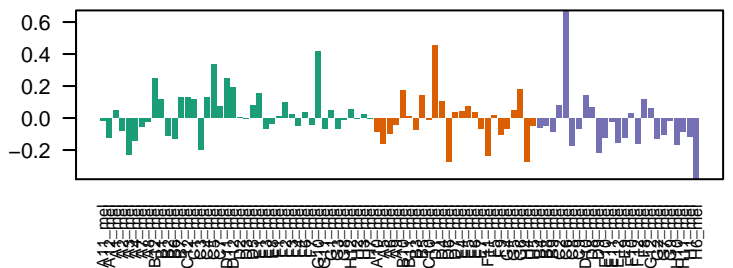


Spot Genelist

Rank	ID	max e	r	min e	Description
1	MPP3	1.79	-0.19	0.22	MPP3 membrane protein, palmitoylated 3 (MAGUK p55 subfamily m
2	FAXC	1.75	-0.16	0.43	FAXC failed axon connections homolog (Drosophila) [Source:HGNC
3	GPRC5D	1.69	-0.02	0.4	GPRC5DG protein-coupled receptor, class C, group 5, member D [Soi
4	AP3M2	1.69	-0.65	0.34	AP3M2 adaptor-related protein complex 3, mu 2 subunit [Source:HGI
5	DISP1	1.64	-0.17	0.29	DISP1 dispatched homolog 1 (Drosophila) [Source:HGNC Symbol;A
6	TXNRD3	1.63	-0.07	0.27	TXNRD3 thioredoxin reductase 3 [Source:HGNC Symbol;Acc:HGNC:2i
7	LRR6	1.62	-0.12	0.25	LRR6 leucine rich repeat containing 6 [Source:HGNC Symbol;Acc:t
8	KLHDC2	1.62	-0.65	0.25	KLHDC2 kelch domain containing 2 [Source:HGNC Symbol;Acc:HGNC
9	CCDC101	1.62	-0.38	0.44	CCDC101 coiled-coil domain containing 101 [Source:HGNC Symbol;Ac
10	GPR146	1.61	-0.08	0.35	GPR146 G protein-coupled receptor 146 [Source:HGNC Symbol;Acc:l
11	ZNF699	1.59	-0.05	0.36	ZNF699 zinc finger protein 699 [Source:HGNC Symbol;Acc:HGNC:24
12	ERAP1	1.57	-0.25	0.37	ERAP1 endoplasmic reticulum aminopeptidase 1 [Source:HGNC Synr
13	C11orf74	1.56	-0.37	0.35	C11orf74 chromosome 11 open reading frame 74 [Source:HGNC Symt
14	NDUFAF7	1.56	-0.7	0.33	NDUFAF7 NADH dehydrogenase (ubiquinone) complex I, assembly fact
15	HEXIM2	1.55	-0.19	0.26	HEXIM2 hexamethylene bis-acetamide inducible 2 [Source:HGNC Sy
16	TTC21A	1.53	-0.1	0.23	TTC21A tetrapeptide repeat domain 21A [Source:HGNC Symbol;f
17	ZBTB17	1.53	-0.51	0.2	ZBTB17 zinc finger and BTB domain containing 17 [Source:HGNC Sy
18	C2orf44	1.51	-0.32	0.33	C2orf44 chromosome 2 open reading frame 44 [Source:HGNC Symbc
19	COQ3	1.5	-0.41	0.38	COQ3 coenzyme Q3 methyltransferase [Source:HGNC Symbol;Acc:
20	TFB1M	1.5	-0.61	0.26	TFB1M transcription factor B1, mitochondrial [Source:HGNC Symbol;

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	8e-07	88 / 9330	Brain Overlap_fetal_midbrain_ReprPC
2	7e-06	64 / 5940	Brain Overlap_fetal_midbrain_HetRpts
3	2e-04	16 / 840	GSE# GEORGES_TARGETS_OF_MIR192_AND_MIR215
4	5e-04	8 / 265	MF hydrolase activity
5	1e-03	13 / 687	Chr Chr 6
6	1e-03	69 / 7592	Lymp HOPP_Active_promoter
7	1e-03	3 / 30	GSE# YANG_BREAST_CANCER_ESR1_LASER_UP
8	1e-03	86 / 10290	Colon TssWk_Colon
9	2e-03	5 / 120	CC mitochondrial outer membrane
10	2e-03	78 / 9020	Brain Overlap_fetal_midbrain_ReprPCWk
11	2e-03	75 / 8580	Colon TxWk_Colon
12	2e-03	8 / 322	BP mitochondrion organization
13	3e-03	2 / 11	BP motile cilium assembly
14	3e-03	80 / 9482	Color TssA_Colon
15	3e-03	63 / 6929	Lymp HOPP_Txn_elongation
16	3e-03	19 / 1394	GSE# ZWANG_TRANSIENTLY_UP_BY_1ST_EGF_PULSE_ONLY
17	4e-03	2 / 13	MF protein kinase C activity
18	4e-03	2 / 13	BP rRNA methylation
19	5e-03	2 / 15	BP Golgi to plasma membrane transport
20	5e-03	5 / 157	GSE# SCHLOSSER_MYC_TARGETS_REPRESSED_BY_SERUM
21	5e-03	64 / 7209	Lymp HOPP_Weak_promoter
22	5e-03	2 / 16	GSE# SILIGAN_TARGETS_OF_EWS_FLI1_FUSION_DN
23	6e-03	76 / 9027	Color Tx_Colon
24	6e-03	12 / 748	Color Pentrack_CRC_TCGA_corr_R_normal_DN
25	6e-03	2 / 17	CC integral component of mitochondrial outer membrane
26	7e-03	4 / 107	GSE# SANSOM_APC_TARGETS_UP
27	7e-03	13 / 862	GSE# JOHNSTONE_PARVB_TARGETS_3_DN
28	8e-03	2 / 19	BP mitochondrion morphogenesis
29	8e-03	3 / 59	TF Tt VAQUERIZAS_Whole blood
30	8e-03	4 / 114	Tissu PALMER_T-Cell signature up
31	9e-03	8 / 416	GSE# SHEN_SMARCA2_TARGETS_UP
32	1e-02	6 / 263	GSE# MARTINEZ_RESPONSE_TO_MC_AND_DOXORUBICIN_DN
33	1e-02	2 / 24	BP anterograde axon cargo transport
34	1e-02	9 / 532	GSE# PARENT_MTOR_SIGNALING_UP
35	1e-02	3 / 70	BP positive regulation of neuron projection development
36	1e-02	11 / 729	GSE# GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBICIN_DN
37	2e-02	2 / 27	GSE# REACTOME_SPHINGOLIPID_DE_NOVO_BIOSYNTHESIS
38	2e-02	5 / 209	GSE# BROWNE_HCMV_INFECTION_16HR_UP
39	2e-02	37 / 3812	Color TssD1_Colon
40	2e-02	2 / 28	GSE# TCGA_GLIOBLASTOMA_COPY_NUMBER_DN



Overexpression Spots

Spot Summary: A1

metagenes = 14
genes = 177

<r> metagenes = 0.98
<r> genes = 0.25
beta: r2= 1.46 / log p= -Inf

samples with spot = 1 (1.1 %)
MSC3 : 1 (4 %)

Spot Genelist

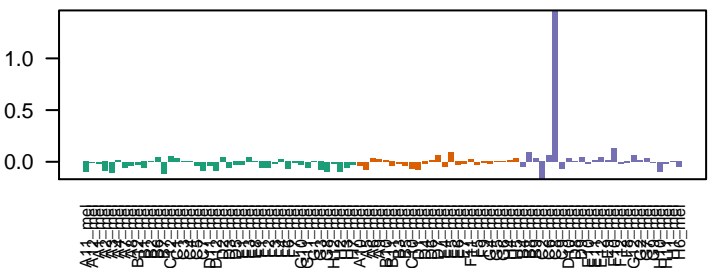
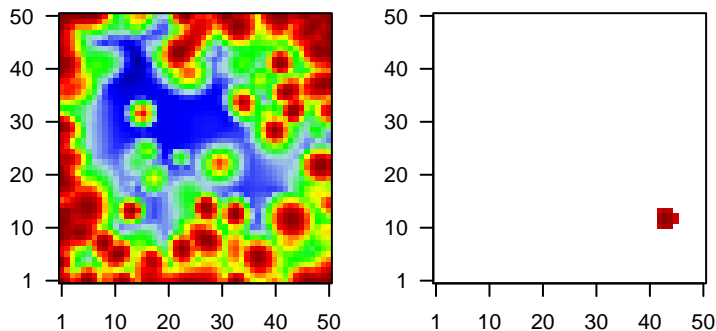
Rank	ID	max e	r	min e	Description
1	KRTAP21-2	2.37	-0.09	0.56	KRTAP21 keratin associated protein 21-2 [Source:HGNC Symbol;Acc:HGNC:10412]
2	GPR133	2.19	-0.03	0.96	GPR133 G-protein-coupled receptor class B group member 133 [Source:HGNC Symbol;Acc:HGNC:10412]
3	FBXL2	2.11	-0.4	0.39	FBXL2 F-box and leucine-rich repeat protein 2 [Source:HGNC Symbol;Acc:HGNC:10412]
4	MNDA	2.08	-0.03	0.96	MNDA myeloid cell nuclear differentiation antigen [Source:HGNC Symbol;Acc:HGNC:10412]
5	NREP	2.03	-0.33	0.4	NREP neuronal regeneration related protein [Source:HGNC Symbol;Acc:HGNC:10412]
6	TUBA4A	2.01	-0.13	0.45	TUBA4A tubulin, alpha 4a [Source:HGNC Symbol;Acc:HGNC:12407]
7	PHKA2	2.01	-0.19	0.51	PHKA2 phosphorylase kinase, alpha 2 (liver) [Source:HGNC Symbol;Acc:HGNC:10412]
8	NCAM2	2	-0.23	0.4	NCAM2 neural cell adhesion molecule 2 [Source:HGNC Symbol;Acc:HGNC:10412]
9	DCN	1.98	-0.06	0.65	DCN decorin [Source:HGNC Symbol;Acc:HGNC:2705]
10	SLC14A1	1.98	-0.03	0.93	SLC14A1 solute carrier family 14 (urea transporter), member 1 (Kidd blood group) [Source:HGNC Symbol;Acc:HGNC:10412]
11	KIAA1324L	1.97	-0.39	0.3	KIAA1324 KIAA1324-like [Source:HGNC Symbol;Acc:HGNC:21945]
12	PRKAG2	1.92	-0.36	0.32	PRKAG2 protein kinase, AMP-activated, gamma 2 non-catalytic subunit [Source:HGNC Symbol;Acc:HGNC:10412]
13	WFDC3	1.92	-0.04	0.65	WFDC3 WAP four-disulfide core domain 3 [Source:HGNC Symbol;Acc:HGNC:10412]
14	GAB1	1.9	-0.32	0.44	GAB1 GRB2-associated binding protein 1 [Source:HGNC Symbol;Acc:HGNC:10412]
15	CCDC149	1.89	-0.13	0.59	CCDC149 coiled-coil domain containing 149 [Source:HGNC Symbol;Acc:HGNC:10412]
16	MMAA	1.89	-0.07	0.49	MMAA methylmalonic aciduria (cobalamin deficiency) cblA type I [Source:HGNC Symbol;Acc:HGNC:10412]
17	SPAG4	1.86	-0.02	0.97	SPAG4 sperm associated antigen 4 [Source:HGNC Symbol;Acc:HGNC:10412]
18	PCNXL2	1.86	-0.44	0.42	PCNXL2 pecanex-like 2 (Drosophila) [Source:HGNC Symbol;Acc:HGNC:10412]
19	RECQL4	1.86	-0.2	0.3	RECQL4 RecQ protein-like 4 [Source:HGNC Symbol;Acc:HGNC:9949]
20	ANXA10	1.85	-0.07	0.88	ANXA10 annexin A10 [Source:HGNC Symbol;Acc:HGNC:534]

Geneset Overrepresentation

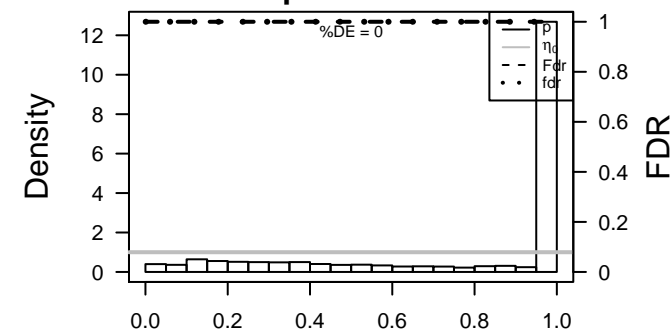
Rank	p-value	#in/all	Geneset
1	5e-04	14 / 422	GSE# CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_5
2	5e-04	10 / 239	CC proteinaceous extracellular matrix
3	1e-03	4 / 39	GSE# LIAO_HAVE_SOX4_BINDING_SITES
4	1e-03	3 / 18	CC podosome
5	1e-03	4 / 40	GSE# SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_DN
6	1e-03	9 / 222	GSE# CONCANNON_APOPTOSIS_BY_EPOXOMICIN_UP
7	1e-03	2 / 5	Lifest# DUMEAU_X_Estrogen related in non smokers literature genes up
8	2e-03	7 / 146	GSE# BROWNE_HCMV_INFECTION_14HR_UP
9	2e-03	10 / 283	GSE# SCHUETZ_BREAST_CANCER_DUCTAL_INVASIVE_UP
10	3e-03	7 / 156	GSE# RIGGL_EWING_SARCOMA_PROGENITOR_DN
11	3e-03	14 / 506	GSE# MASSARWEH_TAMOXIFEN_RESISTANCE_UP
12	3e-03	3 / 25	CC clathrin-coated endocytic vesicle membrane
13	3e-03	3 / 25	BP positive regulation of reactive oxygen species metabolic process
14	3e-03	4 / 52	GSE# NOUZOVA_METHYLATED_IN_APL
15	3e-03	3 / 26	Glio# Christensen_hypomethylated_in_ependymoma
16	3e-03	3 / 26	GSE# AIGNER_ZEB1_TARGETS
17	5e-03	3 / 30	BP activation of JUN kinase activity
18	6e-03	3 / 31	BP cellular defense response
19	6e-03	15 / 616	GSE# NABA_MATRISOME
20	7e-03	21 / 995	GSE# GOBERT_OLIGODENDROCYTE_DIFFERENTIATION_DN
21	7e-03	2 / 11	BP UV protection
22	7e-03	2 / 11	GSE# WHITESIDE_CISPLATIN_RESISTANCE_UP
23	7e-03	11 / 396	GSE# JOHNSTONE_PARVB_TARGETS_3_UP
24	8e-03	4 / 66	GSE# CAMPS_COLON_CANCER_COPY_NUMBER_UP
25	8e-03	2 / 12	BP male meiosis I
26	8e-03	2 / 12	GSE# HUMMERICH_BENIGN_SKIN_TUMOR_DN
27	8e-03	2 / 12	GSE# HUMMERICH_MALIGNANT_SKIN_TUMOR_DN
28	8e-03	2 / 12	GSE# JI_CARCIINOGENESIS_BY_KRAS_AND_STK11_DN
29	9e-03	3 / 36	BP nuclear-transcribed mRNA catabolic process, nonsense-mediated decay
30	9e-03	3 / 36	GSE# WEIGEL_OXIDATIVE_STRESS_BY_HNE_AND_H2O2
31	9e-03	4 / 70	GSE# YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_0
32	1e-02	5 / 110	BP response to lipopolysaccharide
33	1e-02	4 / 71	MF PDZ domain binding
34	1e-02	3 / 38	GSE# BOYALT_LIVER_CANCER_SUBCLASS_G123_DN
35	1e-02	6 / 156	GSE# BROWNE_HCMV_INFECTION_48HR_UP
36	1e-02	7 / 205	GSE# THEILGAARD_NEUTROPHIL_AT_SKIN_WOUND_DN
37	1e-02	6 / 159	CC extracellular matrix
38	1e-02	2 / 14	BP negative regulation of microtubule depolymerization
39	1e-02	2 / 14	GSE# REACTOME_REGULATION_OF_AMPK_ACTIVITY_VIA_LKB1
40	1e-02	4 / 75	GSE# BHAT_ESR1_TARGETS_VIA_AKT1_DN

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: B1

metagenes = 4
genes = 82

<r> metagenes = 0.99
<r> genes = 0.25
beta: r2= 0.78 / log p= -Inf

samples with spot = 2 (2.2 %)
MSC3 : 2 (8 %)

Spot Genelist

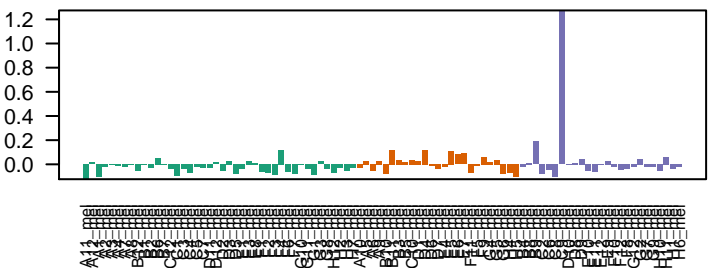
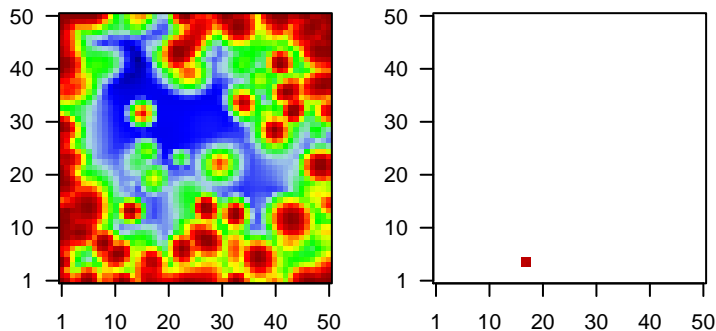
Rank	ID	max e	r	min e	Description
					Symbol
1	LRRC27	2.04	-0.16	0.57	LRRC27 leucine rich repeat containing 27 [Source:HGNC Symbol;Acc:
2	IFT46	1.98	-0.27	0.26	IFT46 intraflagellar transport 46 [Source:HGNC Symbol;Acc:HGNC:
3	CLCN5	1.98	-0.19	0.6	CLCN5 chloride channel, voltage-sensitive 5 [Source:HGNC Symbol;
4	SLC25A53	1.94	-0.16	0.42	SLC25A53olute carrier family 25, member 53 [Source:HGNC Symbol;A
5	E2F5	1.86	-0.2	0.38	E2F5 E2F transcription factor 5, p130-binding [Source:HGNC Sym
6	OSR2	1.84	-0.06	0.67	OSR2 odd-skipped related transcription factor 2 [Source:HGNC Syrr
7	WDR54	1.78	-0.34	0.3	WDR54 WD repeat domain 54 [Source:HGNC Symbol;Acc:HGNC:25:
8	MBD5	1.78	-0.22	0.32	MBD5 methyl-CpG binding domain protein 5 [Source:HGNC Symbo
9	HDFGRP2	1.77	-0.28	0.34	
10	SPATA25	1.76	-0.03	0.77	SPATA25 spermatogenesis associated 25 [Source:HGNC Symbol;Acc:l
11	RELL1	1.69	-0.22	0.43	RELL1 RELT-like 1 [Source:HGNC Symbol;Acc:HGNC:27379]
12	DNAJB2	1.67	-0.1	0.61	DNAJB2 DnaJ (Hsp40) homolog, subfamily B, member 2 [Source:HGNC
13	BMF	1.66	-0.16	0.54	BMF Bcl2 modifying factor [Source:HGNC Symbol;Acc:HGNC:241:
14	PCDH18	1.66	-0.21	0.29	PCDH18 protocadherin 18 [Source:HGNC Symbol;Acc:HGNC:14268]
15	CTTNBP2	1.65	-0.09	0.5	CTTNBP2ortactin binding protein 2 [Source:HGNC Symbol;Acc:HGNC
16	RHOV	1.62	-0.04	0.67	RHOV ras homolog family member V [Source:HGNC Symbol;Acc:HK
17	DUSP5	1.62	-0.06	0.74	DUSP5 dual specificity phosphatase 5 [Source:HGNC Symbol;Acc:Hi
18	KCNH8	1.6	-0.04	0.42	KCNH8 potassium channel, voltage gated eag related subfamily H, m
19	GMEB2	1.55	-0.09	0.43	GMEB2 glucocorticoid modulatory element binding protein 2 [Source:l
20	CA11	1.54	-0.11	0.45	CA11 carbonic anhydrase XI [Source:HGNC Symbol;Acc:HGNC:13

Geneset Overrepresentation

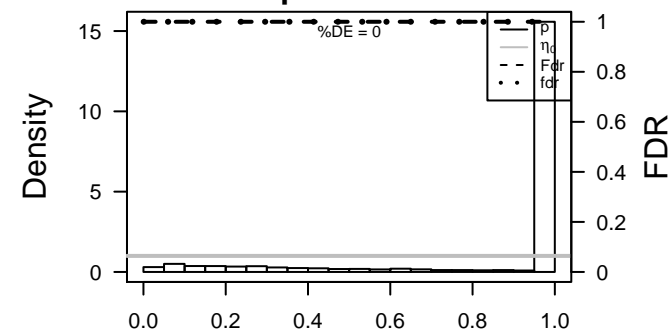
Rank	p-value	#in/all	Geneset
1	5e-04	11 / 618	GSE/ GOZGIT_ESR1_TARGETS_DN
2	5e-04	12 / 724	GSE/ BENPORATH_EED_TARGETS
3	6e-04	19 / 1565	BP regulation of transcription, DNA-templated
4	8e-04	2 / 8	Lifest: DUMEAUX_Hormon therapy in non smokers literature genes up
5	8e-04	4 / 77	CC ciliary basal body
6	1e-03	11 / 674	GSE/ BENPORATH_SUZ12_TARGETS
7	2e-03	2 / 11	BP phosphorelay signal transduction system
8	2e-03	3 / 43	BP rhythmic process
9	2e-03	3 / 45	TF Ti: VAQUERIZAS_Uterus
10	2e-03	3 / 45	GSE/ MIDORIKAWA_AMPLIFIED_IN_LIVER_CANCER
11	2e-03	4 / 97	Glio Christensen_hypermethylated_in_grade3_astrocytoma
12	2e-03	3 / 46	BP response to unfolded protein
13	2e-03	3 / 46	GSE/ BROWNE_HCMV_INFECTION_1HR_UP
14	2e-03	4 / 98	GSE/ AMBROSINI_FLAVOPIRIDOL_TREATMENT_TP53
15	2e-03	21 / 2037	MF DNA binding
16	3e-03	2 / 15	TF Ti: VAQUERIZAS_Fetal thyroid
17	4e-03	3 / 58	Glio Christensen_hypermethylated_in_grade2_astrocytoma
18	4e-03	2 / 18	BP intraciliary transport
19	4e-03	2 / 18	CC intraciliary transport particle B
20	5e-03	12 / 936	GSE/ ZWANG_TRANSIENTLY_UP_BY_2ND_EGF_PULSE_ONLY
21	5e-03	44 / 5880	Color TssD2_Colon
22	6e-03	10 / 720	GSE/ BENPORATH_ES_WITH_H3K27ME3
23	6e-03	2 / 21	miRN hsa-miR-1282
24	7e-03	2 / 23	BP endoderm development
25	7e-03	2 / 23	TF Ti: VAQUERIZAS_Spinal cord
26	8e-03	2 / 24	GSE/ MCCABE_HOXC6_TARGETS_CANCER_UP
27	8e-03	17 / 1664	BP transcription, DNA-templated
28	8e-03	2 / 25	miRN hsa-miR-941
29	9e-03	3 / 77	GSE/ BILD_CTNB1_ONCOGENIC_SIGNATURE
30	9e-03	6 / 325	GSE/ REACTOME_GENERIC_TRANSCRIPTION_PATHWAY
31	9e-03	5 / 232	GSE/ HUTTMANN_B_CLL_POOR_SURVIVAL_UP
32	9e-03	2 / 26	MF chloride channel activity
33	9e-03	2 / 26	GSE/ REACTOME_RNA_POL_III_TRANSCRIPTION_INITIATION_FROM_TYPE
34	1e-02	3 / 82	GSE/ WINZEN_DEGRADED_VIA_KHSRP
35	1e-02	18 / 1859	MF metal ion binding
36	1e-02	2 / 29	MF insulin receptor binding
37	1e-02	2 / 29	TF Ti: VAQUERIZAS_Smooth muscle
38	1e-02	2 / 29	TF Ti: VAQUERIZAS_Fetal lung
39	1e-02	2 / 29	GSE/ NUNODA_RESPONSE_TO_DATASINIB_IMATINIB_UP
40	1e-02	3 / 85	GSE/ ACEVEDO_LIVER_CANCER_WITH_H3K9ME3_UP

Overview Map

Spot



p-values



Rank	p-value	#in/all
1	0.0000	131
2	0.0000	131
3	0.0000	131
4	0.0000	131
5	0.0000	131
6	0.0000	131
7	0.0000	131
8	0.0000	131
9	0.0000	131
10	0.0000	131
11	0.0000	131
12	0.0000	131
13	0.0000	131
14	0.0000	131
15	0.0000	131
16	0.0000	131
17	0.0000	131
18	0.0000	131
19	0.0000	131
20	0.0000	131
21	0.0000	131
22	0.0000	131
23	0.0000	131
24	0.0000	131
25	0.0000	131
26	0.0000	131
27	0.0000	131
28	0.0000	131
29	0.0000	131
30	0.0000	131
31	0.0000	131
32	0.0000	131
33	0.0000	131
34	0.0000	131
35	0.0000	131
36	0.0000	131
37	0.0000	131
38	0.0000	131
39	0.0000	131
40	0.0000	131
41	0.0000	131
42	0.0000	131
43	0.0000	131
44	0.0000	131
45	0.0000	131
46	0.0000	131
47	0.0000	131
48	0.0000	131
49	0.0000	131
50	0.0000	131
51	0.0000	131
52	0.0000	131
53	0.0000	131
54	0.0000	131
55	0.0000	131
56	0.0000	131
57	0.0000	131
58	0.0000	131
59	0.0000	131
60	0.0000	131
61	0.0000	131
62	0.0000	131
63	0.0000	131
64	0.0000	131
65	0.0000	131
66	0.0000	131
67	0.0000	131
68	0.0000	131
69	0.0000	131
70	0.0000	131
71	0.0000	131
72	0.0000	131
73	0.0000	131
74	0.0000	131
75	0.0000	131
76	0.0000	131
77	0.0000	131
78	0.0000	131
79	0.0000	131
80	0.0000	131
81	0.0000	131
82	0.0000	131
83	0.0000	131
84	0.0000	131
85	0.0000	131
86	0.0000	131
87	0.0000	131
88	0.0000	131
89	0.0000	131
90	0.0000	131
91	0.0000	131
92	0.0000	131
93	0.0000	131
94	0.0000	131
95	0.0000	131
96	0.0000	131
97	0.0000	131
98	0.0000	131
99	0.0000	131
100	0.0000	131

Geneset	#in/all
Downregulated genes meth DOWN	131
Horvath aging genes meth UP	131
TESCHENDORFF_age_hypermethylated	131

Rank	p-value	#in/all
1	0.0000	131
2	0.0000	131
3	0.0000	131
4	0.0000	131
5	0.0000	131
6	0.0000	131
7	0.0000	131
8	0.0000	131
9	0.0000	131
10	0.0000	131
11	0.0000	131
12	0.0000	131
13	0.0000	131
14	0.0000	131
15	0.0000	131
16	0.0000	131
17	0.0000	131
18	0.0000	131
19	0.0000	131
20	0.0000	131
21	0.0000	131
22	0.0000	131
23	0.0000	131
24	0.0000	131
25	0.0000	131
26	0.0000	131
27	0.0000	131
28	0.0000	131
29	0.0000	131
30	0.0000	131
31	0.0000	131
32	0.0000	131
33	0.0000	131
34	0.0000	131
35	0.0000	131
36	0.0000	131
37	0.0000	131
38	0.0000	131
39	0.0000	131
40	0.0000	131
41	0.0000	131
42	0.0000	131
43	0.0000	131
44	0.0000	131
45	0.0000	131
46	0.0000	131
47	0.0000	131
48	0.0000	131
49	0.0000	131
50	0.0000	131
51	0.0000	131
52	0.0000	131
53	0.0000	131
54	0.0000	131
55	0.0000	131
56	0.0000	131
57	0.0000	131
58	0.0000	131
59	0.0000	131
60	0.0000	131
61	0.0000	131
62	0.0000	131
63	0.0000	131
64	0.0000	131
65	0.0000	131
66	0.0000	131
67	0.0000	131
68	0.0000	131
69	0.0000	131
70	0.0000	131
71	0.0000	131
72	0.0000	131
73	0.0000	131
74	0.0000	131
75	0.0000	131
76	0.0000	131
77	0.0000	131
78	0.0000	131
79	0.0000	131
80	0.0000	131
81	0.0000	131
82	0.0000	131
83	0.0000	131
84	0.0000	131
85	0.0000	131
86	0.0000	131
87	0.0000	131
88	0.0000	131
89	0.0000	131
90	0.0000	131
91	0.0000	131
92	0.0000	131
93	0.0000	131
94	0.0000	131
95	0.0000	131
96	0.0000	131
97	0.0000	131
98	0.0000	131
99	0.0000	131
100	0.0000	131

Geneset	#in/all
BRCA1 BREAST CANCER GRADE_1_VS_3_DN	131
LIU_BROCAITAI_CANCER_UP	131
RHODES_CANCER_META_SIGNATURE	131
GENES_modul1	131
GENES_modul2	131
GENES_modul3	131
pancan_lung_2_geneset_nanostring	131
pancan_lung_3_geneset_nanostring	131
pancan_wnt_geneset_nanostring	131
pancan_ccl4op_geneset_nanostring	131
pancan_geneset_nanostring	131
lemcke_Normal vs Adenoma	131
SMAC_TSG_geneset_nanostring	131
Lemcke_ColonInflammation	131
RHODES_CANCER_DN	131
RHODES_UNDIFFERENTIATED_CANCER	131
SOTILOW_BREAST_CANCER_GRADE_1_VS_3_UP	131
SOTILOW_BREAST_CANCER_GRADE_1_VS_3_UP	131

Rank	p-value	#in/all
1	0.0000	131
2	0.0000	131
3	0.0000	131
4	0.0000	131
5	0.0000	131
6	0.0000	131
7	0.0000	131
8	0.0000	131
9	0.0000	131
10	0.0000	131
11	0.0000	131
12	0.0000	131
13	0.0000	131
14	0.0000	131
15	0.0000	131
16	0.0000	131
17	0.0000	131
18	0.0000	131
19	0.0000	131
20	0.0000	131
21	0.0000	131
22	0.0000	131
23	0.0000	131
24	0.0000	131
25	0.0000	131
26	0.0000	131
27	0.0000	131
28	0.0000	131
29	0.0000	131
30	0.0000	131
31	0.0000	131
32	0.0000	131
33	0.0000	131
34	0.0000	131
35	0.0000	131
36	0.0000	131
37	0.0000	131
38	0.0000	131
39	0.0000	131
40	0.0000	131
41	0.0000	131
42	0.0000	131
43	0.0000	131
44	0.0000	131
45	0.0000	131
46	0.0000	131
47	0.0000	131
48	0.0000	131
49	0.0000	131
50	0.0000	131
51	0.0000	131
52	0.0000	131
53	0.0000	131
54	0.0000	131
55	0.0000	131
56	0.0000	131
57	0.0000	131
58	0.0000	131
59	0.0000	131
60	0.0000	131
61	0.0000	131
62	0.0000	131
63	0.0000	131
64	0.0000	131
65	0.0000	131
66	0.0000	131
67	0.0000	131
68	0.0000	131
69	0.0000	131
70	0.0000	131
71	0.0000	131
72	0.0000	131
73	0.0000	131
74	0.0000	131
75	0.0000	131
76	0.0000	131
77	0.0000	131
78	0.0000	131
79	0.0000	131
80	0.0000	131
81	0.0000	131
82	0.0000	131
83	0.0000	131
84	0.0000	131
85	0.0000	131
86	0.0000	131
87	0.0000	131
88	0.0000	131
89	0.0000	131
90	0.0000	131
91	0.0000	131
92	0.0000	131
93	0.0000	131
94	0.0000	131
95	0.0000	131
96	0.0000	131
97	0.0000	131
98	0.0000	131
99	0.0000	131
100	0.0000	131

Geneset	#in/all
ENIAC_Colon	131
Lemcke_TCGA-expr_kmeans_N_CIMP_H_DN	131
ZNF_Colon	131
Q9ad_Colon	131
Lemcke_TCGA-expr_kmeans_H_CIMP_H_UP_Cluster3_DN	131
Lemcke_TCGA_meth_kmeans_A_Cluster4_DN	131
ES_Colon	131
Mansia_Colon-cluster-e	131
Quiesz_Colon	131
Mansia_Colon-cluster-f	131
lemcke_TCGA-expr_kmeans_M_CIMP_H_DN	131
P53a_ColCRC_TCGA_group.over_A_normal_UP	131
TssWk_Colon	131
Centracol_CRC_TCGA_corr_n_msi-h_DN	131
Musiaterg	131
TSSD1_Colon	131
Lemcke_TCGA_meth_kmeans_F_CIMP_H_UP_	131

Rank	p-value	#in/all
1	0.0000	131
2	0.0000	131
3	0.0000	131
4	0.0000	131
5	0.0000	131
6	0.0000	131
7	0.0000	131
8	0.0000	131
9	0.0000	131
10	0.0000	131
11	0.0000	131
12	0.0000	131
13	0.0000	131
14	0.0000	131
15	0.0000	131
16	0.0000	131
17	0.0000	131
18	0.0000	131
19	0.0000	131
20	0.0000	131
21	0.0000	131
22	0.0000	131
23	0.0000	131
24	0.0000	131
25	0.0000	131
26	0.0000	131
27	0.0000	131
28	0.0000	131
29	0.0000	131
30	0.0000	131
31	0.0000	131
32	0.0000	131
33	0.0000	131
34	0.0000	131
35	0.0000	131
36	0.0000	131
37	0.0000	131
38	0.0000	131
39	0.0000	131
40	0.0000	131
41	0.0000	131
42	0.0000	131
43	0.0000	131
44	0.0000	131
45	0.0000	131
46	0.0000	131
47	0.0000	131
48	0.0000	131
49	0.0000	131

Overexpression Spots

Spot Summary: C1

metagenes = 4
genes = 52

<r> metagenes = 0.97
<r> genes = 0.14
beta: r2= 1.09 / log p= -Inf

samples with spot = 15 (16.3 %)

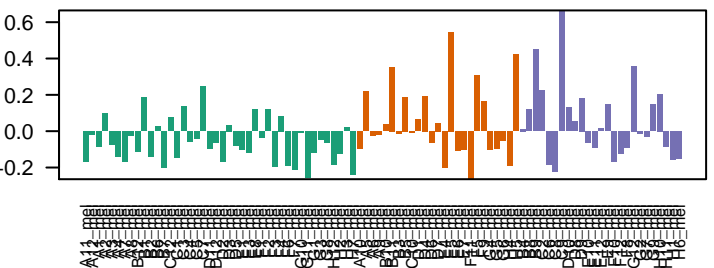
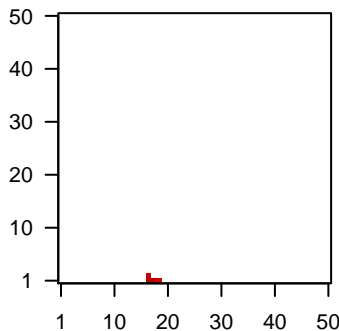
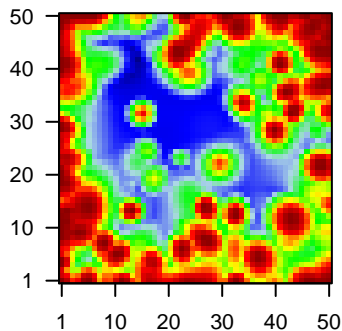
MSC1 : 2 (4.8 %)

MSC2 : 7 (28 %)

MSC3 : 6 (24 %)

Overview Map

Spot

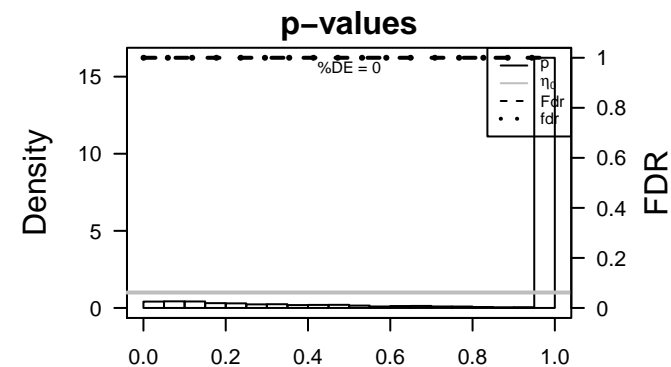


Spot Genelist

Rank	ID	max e	r	min e	Description
					Symbol
1	RORB	1.67	-0.16	0.4	RORB RAR-related orphan receptor B [Source:HGNC Symbol;Acc:HGNC:10000]
2	SLC39A3	1.61	-0.35	0.41	SLC39A3solute carrier family 39 (zinc transporter), member 3 [Source:HGNC Symbol;Acc:HGNC:10000]
3	SARS2	1.6	-0.55	0.31	SARS2 seryl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:10000]
4	NFIX	1.57	-0.33	0.44	NFIX nuclear factor I/X (CCAAT-binding transcription factor) [Source:HGNC Symbol;Acc:HGNC:10000]
5	MPDZ	1.54	-0.52	0.36	MPDZ multiple PDZ domain protein [Source:HGNC Symbol;Acc:HGNC:10000]
6	ADCK1	1.53	-0.23	0.3	ADCK1 aarF domain containing kinase 1 [Source:HGNC Symbol;Acc:HGNC:10000]
7	PRMT9	1.48	-0.3	0.25	PRMT9 protein arginine methyltransferase 9 [Source:HGNC Symbol;Acc:HGNC:10000]
8	KIAA0586	1.48	-0.54	0.33	KIAA0586KIAA0586 [Source:HGNC Symbol;Acc:HGNC:19960]
9	AREL1	1.46	-0.72	0.31	AREL1 apoptosis resistant E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:HGNC:10000]
10	ANKS3	1.42	-0.39	0.41	ANKS3 ankyrin repeat and sterile alpha motif domain containing 3 [Source:HGNC Symbol;Acc:HGNC:10000]
11	AHSA2	1.41	-0.46	0.22	AHSA2 AHA1, activator of heat shock 90kDa protein ATPase homolog 2 [Source:HGNC Symbol;Acc:HGNC:10000]
12	SLC30A6	1.41	-0.59	0.29	SLC30A6solute carrier family 30 (zinc transporter), member 6 [Source:HGNC Symbol;Acc:HGNC:10000]
13	AP1G1	1.4	-1.07	0.33	AP1G1 adaptor-related protein complex 1, gamma 1 subunit [Source:HGNC Symbol;Acc:HGNC:10000]
14	CAB39	1.4	-0.62	0.31	CAB39 calcium binding protein 39 [Source:HGNC Symbol;Acc:HGNC:10000]
15	RRP8	1.39	-0.89	0.31	RRP8 ribosomal RNA processing 8, methyltransferase, homolog (yeast) [Source:HGNC Symbol;Acc:HGNC:10000]
16	BTBD9	1.36	-0.39	0.4	BTBD9 BTB (POZ) domain containing 9 [Source:HGNC Symbol;Acc:HGNC:10000]
17	PGS1	1.36	-0.54	0.33	PGS1 phosphatidylglycerophosphate synthase 1 [Source:HGNC Symbol;Acc:HGNC:10000]
18	PPP2R4	1.33	-0.47	0.36	PPP2R4 protein phosphatase 2A activator, regulatory subunit 4 [Source:HGNC Symbol;Acc:HGNC:10000]
19	DAG1	1.3	-0.89	0.26	DAG1 dystroglycan 1 (dystrophin-associated glycoprotein 1) [Source:HGNC Symbol;Acc:HGNC:10000]
20	SLC35D1	1.26	-0.25	0.45	SLC35D1solute carrier family 35 (UDP-GlcA/UDP-GalNAc transporter), member 1 [Source:HGNC Symbol;Acc:HGNC:10000]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	3e-05	44 / 8580	Colon TxWk_Colon
2	1e-04	16 / 1693	GSE/ GRAESSMANN_APOPTOSIS_BY_DOXORUBICIN_DN
3	2e-04	44 / 9027	Colon Tx_Colon
4	4e-04	4 / 102	miRNA hsa-miR-1301
5	8e-04	2 / 12	GSE/ IVANOVA_MUTATED_IN_COLON_CANCER
6	8e-04	36 / 6929	Lymp/ HOPP_Txn_elongation
7	9e-04	2 / 13	BP zinc II ion transmembrane transport
8	9e-04	2 / 13	MF zinc ion transmembrane transporter activity
9	1e-03	3 / 60	miRNA hsa-miR-296-3p
10	1e-03	32 / 5940	Brain Overlap_fetal_midbrain_HetRpts
11	2e-03	43 / 9330	Brain Overlap_fetal_midbrain_ReprPC
12	2e-03	2 / 17	CC costamere
13	2e-03	2 / 17	BP zinc II ion transport
14	2e-03	2 / 17	GSE/ REACTOME_NEF_MEDIATES_DOWN_MODULATION_OF_CELL_SURFACE_RECEPTOR_SIGNALING_PATHWAY
15	2e-03	2 / 18	BP regulation of cell morphogenesis
16	2e-03	4 / 155	GSE/ GINESTIER_BREAST_CANCER_20Q13_AMPLIFICATION_DN
17	2e-03	6 / 391	miRNA hsa-miR-519a
18	2e-03	2 / 21	CC clathrin adaptor complex
19	3e-03	2 / 22	BP regulation of defense response to virus by virus
20	3e-03	2 / 22	GSE/ REACTOME_THE_ROLE_OF_NEF_IN_HIV1_REPLICATION_AND_DISEASE_PROGRESSION
21	3e-03	3 / 83	GSE/ AMUNDSON_POOR_SURVIVAL_AFTER_GAMMA_RADIATION_8G
22	3e-03	6 / 422	GSE/ CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_5
23	4e-03	8 / 729	GSE/ GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBICIN_DN
24	4e-03	2 / 27	BP phospholipid biosynthetic process
25	4e-03	2 / 28	GSE/ BILANGES_RAPAMYCIN_SENSITIVE_GENES
26	4e-03	6 / 443	miRNA hsa-miR-19a
27	5e-03	3 / 96	miRNA hsa-miR-513b
28	5e-03	4 / 196	GSE/ AMUNDSON_RESPONSE_TO_ARSENITE
29	5e-03	2 / 31	CC membrane coat
30	7e-03	2 / 35	MF ligand-activated sequence-specific DNA binding RNA polymerase II transcription
31	7e-03	2 / 37	BP intracellular receptor signaling pathway
32	8e-03	6 / 506	GSE/ MASSARWEH_TAMOXIFEN_RESISTANCE_UP
33	9e-03	8 / 843	Glio Sturm_GBM_Meth_overexpression_E_G34_UP
34	9e-03	27 / 5184	Lymp HOPP_Txn_transition
35	9e-03	2 / 41	MF peptidyl-prolyl cis-trans isomerase activity
36	9e-03	2 / 41	BP protein peptidyl-prolyl isomerization
37	9e-03	2 / 42	GSE/ REACTOME_NUCLEAR_RECEPTOR_TRANSCRIPTION_PATHWAY
38	1e-02	2 / 43	BP rhythmic process
39	1e-02	9 / 1050	Brain Fetal_EnhP
40	1e-02	1 / 3	GSE/ YANG_MUC2_TARGETS_DUODENUM_6MO_UP



Brain

Rank	p-value	#in/all
1	0.0000	131
2	0.0000	131
3	0.0000	131
4	0.0000	131
5	0.0000	131
6	0.0000	131
7	0.0000	131
8	0.0000	131
9	0.0000	131
10	0.0000	131
11	0.0000	131
12	0.0000	131
13	0.0000	131
14	0.0000	131
15	0.0000	131
16	0.0000	131
17	0.0000	131
18	0.0000	131
19	0.0000	131
20	0.0000	131
21	0.0000	131
22	0.0000	131
23	0.0000	131
24	0.0000	131
25	0.0000	131
26	0.0000	131
27	0.0000	131
28	0.0000	131
29	0.0000	131
30	0.0000	131
31	0.0000	131
32	0.0000	131
33	0.0000	131
34	0.0000	131
35	0.0000	131
36	0.0000	131
37	0.0000	131
38	0.0000	131
39	0.0000	131
40	0.0000	131
41	0.0000	131
42	0.0000	131
43	0.0000	131
44	0.0000	131
45	0.0000	131
46	0.0000	131
47	0.0000	131
48	0.0000	131
49	0.0000	131
50	0.0000	131
51	0.0000	131
52	0.0000	131
53	0.0000	131
54	0.0000	131
55	0.0000	131
56	0.0000	131
57	0.0000	131
58	0.0000	131
59	0.0000	131
60	0.0000	131
61	0.0000	131
62	0.0000	131
63	0.0000	131
64	0.0000	131
65	0.0000	131
66	0.0000	131
67	0.0000	131
68	0.0000	131
69	0.0000	131
70	0.0000	131
71	0.0000	131
72	0.0000	131
73	0.0000	131
74	0.0000	131
75	0.0000	131
76	0.0000	131
77	0.0000	131
78	0.0000	131
79	0.0000	131
80	0.0000	131
81	0.0000	131
82	0.0000	131
83	0.0000	131
84	0.0000	131
85	0.0000	131
86	0.0000	131
87	0.0000	131
88	0.0000	131
89	0.0000	131
90	0.0000	131
91	0.0000	131
92	0.0000	131
93	0.0000	131
94	0.0000	131
95	0.0000	131
96	0.0000	131
97	0.0000	131
98	0.0000	131
99	0.0000	131
100	0.0000	131

Geneset

downregulating genes meth DOWN
 HORVATH_age_genes_meth UP
 TESCHENDORFF_age_hypermethylated

Cancer

Rank	p-value	#in/all
1	0.0000	60
2	0.0000	60
3	0.0000	60
4	0.0000	60
5	0.0000	60
6	0.0000	60
7	0.0000	60
8	0.0000	60
9	0.0000	60
10	0.0000	60
11	0.0000	60
12	0.0000	60
13	0.0000	60
14	0.0000	60
15	0.0000	60
16	0.0000	60
17	0.0000	60
18	0.0000	60
19	0.0000	60
20	0.0000	60
21	0.0000	60
22	0.0000	60
23	0.0000	60
24	0.0000	60
25	0.0000	60
26	0.0000	60
27	0.0000	60
28	0.0000	60
29	0.0000	60
30	0.0000	60
31	0.0000	60
32	0.0000	60
33	0.0000	60
34	0.0000	60
35	0.0000	60
36	0.0000	60
37	0.0000	60
38	0.0000	60
39	0.0000	60
40	0.0000	60
41	0.0000	60
42	0.0000	60
43	0.0000	60
44	0.0000	60
45	0.0000	60
46	0.0000	60
47	0.0000	60
48	0.0000	60
49	0.0000	60
50	0.0000	60
51	0.0000	60
52	0.0000	60
53	0.0000	60
54	0.0000	60
55	0.0000	60
56	0.0000	60
57	0.0000	60
58	0.0000	60
59	0.0000	60
60	0.0000	60
61	0.0000	60
62	0.0000	60
63	0.0000	60
64	0.0000	60
65	0.0000	60
66	0.0000	60
67	0.0000	60
68	0.0000	60
69	0.0000	60
70	0.0000	60
71	0.0000	60
72	0.0000	60
73	0.0000	60
74	0.0000	60
75	0.0000	60
76	0.0000	60
77	0.0000	60
78	0.0000	60
79	0.0000	60
80	0.0000	60
81	0.0000	60
82	0.0000	60
83	0.0000	60
84	0.0000	60
85	0.0000	60
86	0.0000	60
87	0.0000	60
88	0.0000	60
89	0.0000	60
90	0.0000	60
91	0.0000	60
92	0.0000	60
93	0.0000	60
94	0.0000	60
95	0.0000	60
96	0.0000	60
97	0.0000	60
98	0.0000	60
99	0.0000	60
100	0.0000	60

Geneset

CANCER_CANCER_GENES
 GENLILES_modul16
 NUPR1_TMM_index2
 PanCan_Driver_Gene_geneset_nanostring
 Lemcke_Normal_vs_Adenoma
 LIU_PROSTATE_CANCER_DN
 WOODEN_UNDIFFERENTIATED_CANCER
 SCHIKHOU_BREAST_CANCER_GRADE_1_VS_3_DN
 LIU_BREAST_CANCER
 LIU_PROSTATE_CANCER_UP
 WANG_CER_UP
 WOLFFER_overlap_genes
 BEN_FORATH_DN

Colon Cancer

Rank	p-value	#in/all
1	0.0000	41
2	0.0000	41
3	0.0000	41
4	0.0000	41
5	0.0000	41
6	0.0000	41
7	0.0000	41
8	0.0000	41
9	0.0000	41
10	0.0000	41
11	0.0000	41
12	0.0000	41
13	0.0000	41
14	0.0000	41
15	0.0000	41
16	0.0000	41
17	0.0000	41
18	0.0000	41
19	0.0000	41
20	0.0000	41
21	0.0000	41
22	0.0000	41
23	0.0000	41
24	0.0000	41
25	0.0000	41
26	0.0000	41
27	0.0000	41
28	0.0000	41
29	0.0000	41
30	0.0000	41
31	0.0000	41
32	0.0000	41
33	0.0000	41
34	0.0000	41
35	0.0000	41
36	0.0000	41
37	0.0000	41
38	0.0000	41
39	0.0000	41
40	0.0000	41
41	0.0000	41
42	0.0000	41
43	0.0000	41
44	0.0000	41
45	0.0000	41
46	0.0000	41
47	0.0000	41
48	0.0000	41
49	0.0000	41
50	0.0000	41
51	0.0000	41
52	0.0000	41
53	0.0000	41
54	0.0000	41
55	0.0000	41
56	0.0000	41
57	0.0000	41
58	0.0000	41
59	0.0000	41
60	0.0000	41
61	0.0000	41
62	0.0000	41
63	0.0000	41
64	0.0000	41
65	0.0000	41
66	0.0000	41
67	0.0000	41
68	0.0000	41
69	0.0000	41
70	0.0000	41
71	0.0000	41
72	0.0000	41
73	0.0000	41
74	0.0000	41
75	0.0000	41
76	0.0000	41
77	0.0000	41
78	0.0000	41
79	0.0000	41
80	0.0000	41
81	0.0000	41
82	0.0000	41
83	0.0000	41
84	0.0000	41
85	0.0000	41
86	0.0000	41
87	0.0000	41
88	0.0000	41
89	0.0000	41
90	0.0000	41
91	0.0000	41
92	0.0000	41
93	0.0000	41
94	0.0000	41
95	0.0000	41
96	0.0000	41
97	0.0000	41
98	0.0000	41
99	0.0000	41
100	0.0000	41

Geneset

I_X_Colon
 I_ssa_Colon
 Quiesc_Colon
 Budinska_B_Lower_crypt-like_UP
 I_s82_Colon
 I_sEdh1_Colon
 I_s81_Colon
 Marisa_CRC_cluster-d
 Marisa_CRC_cluster-b
 Marisa_Colon
 Pentrack_CRC_TCGA_corr_C_normal_UP
 Lemcke_TCGA_meth_kmeans_1_CMP_H_DN
 Lemcke_TCGA_meth_kmeans_B_Cluster4_DN
 Quiesc_Colon
 Pentrack_CRC_TCGA_corr_U_msi-h_UP
 I_sENRg2_Colon

Stem Cells

Rank	p-value	#in/all
1	0.0000	41
2	0.0000	41
3	0.0000	41
4	0.0000	41
5	0.0000	41
6	0.0000	41
7	0.0000	41
8	0.0000	41
9	0.0000	41
10	0.0000	41
11	0.0000	41
12	0.0000	41
13	0.0000	41
14	0.0000	41
15	0.0000	41
16	0.0000	41
17	0.0000	41
18	0.0000	41
19	0.0000	41
20	0.0000	41
21	0.0000	41
22	0.0000	41
23	0.0000	41
24	0.0000	41
25	0.0000	41
26	0.0000	41
27	0.0000	41
28	0.0000	41
29	0.0000	41
30	0.0000	41
31	0.0000	41
32	0.0000	41
33	0.0000	41
34	0.0000	41
35	0.0000	41
36	0.0000	41
37	0.0000	41
38	0.0000	41
39	0.0000	41
40	0.0000	41
41	0.0000	41
42	0.0000	41
43	0.0000	41
44	0.0000	41
45	0.0000	41
46	0.0000	41
47	0.0000	41
48	0.0000	41
49	0.0000	41
50	0.0000	41
51	0.0000	41
52	0.0000	41
53	0.0000	41
54	0.0000	41
55	0.0000	41
56	0.0000	41
57	0.0000	41
58	0.0000	41
59	0.0000	41
60	0.0000	41
61	0.0000	41
62	0.0000	41
63	0.0000	41
64	0.0000	41
65	0.0000	41
66	0.0000	41
67	0.0000	41
68	0.0000	41
69	0.0000	41
70	0.0000	41
71	0.0000	41
72	0.0000	41
73	0.0000	41
74	0.0000	41
75	0.0000	41
76	0.0000	41
77	0.0000	41
78	0.0000	41
79	0.0000	41
80	0.0000	41
81	0.0000	41

Overexpression Spots

Spot Summary: D1

metagenes = 3
genes = 79

<r> metagenes = 0.98
<r> genes = 0.11
beta: r2= 1.88 / log p= -Inf

samples with spot = 17 (18.5 %)

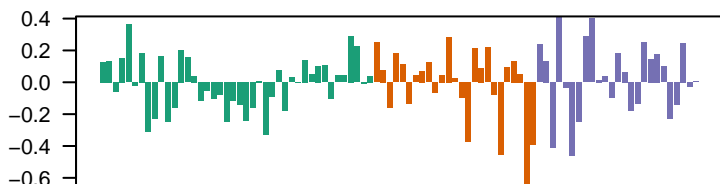
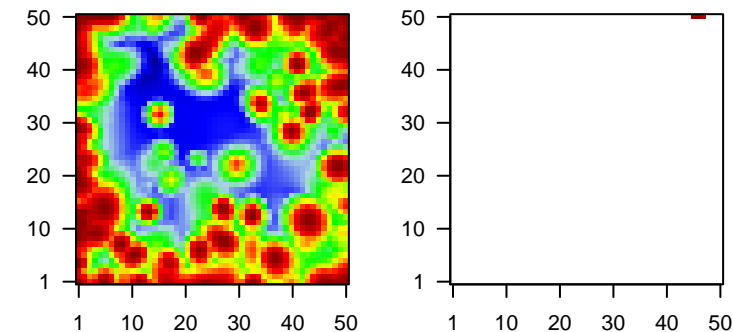
MSC1 : 5 (11.9 %)

MSC2 : 5 (20 %)

MSC3 : 7 (28 %)

Overview Map

Spot

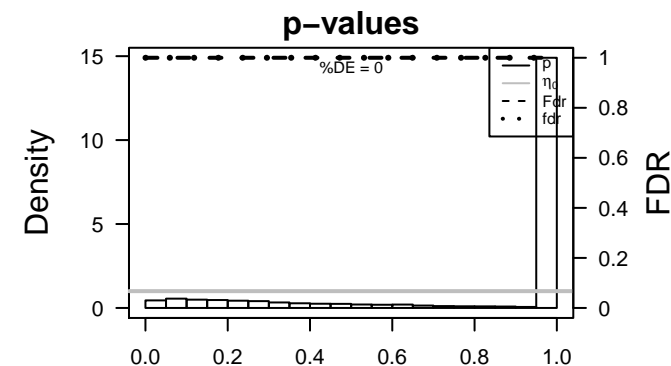


Spot Genelist

Rank	ID	max e	r	min e	Description
					Symbol
1	GDF15	1.77	-1.15	0.38	GDF15 growth differentiation factor 15 [Source:HGNC Symbol;Acc:HGNC:10000]
2	PPCDC	1.72	-0.42	0.2	PPCDC phosphopantothienocysteine decarboxylase [Source:HGNC Symbol;Acc:HGNC:10000]
3	BBS4	1.71	-0.53	0.31	BBS4 Bardet-Biedl syndrome 4 [Source:HGNC Symbol;Acc:HGNC:10000]
4	PISD	1.67	-0.46	0.24	PISD phosphatidylserine decarboxylase [Source:HGNC Symbol;Acc:HGNC:10000]
5	TRIB3	1.65	-0.81	0.34	TRIB3 tribbles pseudokinase 3 [Source:HGNC Symbol;Acc:HGNC:10000]
6	PTPRR	1.65	-0.28	0.31	PTPRR protein tyrosine phosphatase, receptor type, R [Source:HGNC Symbol;Acc:HGNC:10000]
7	C2orf74	1.63	-0.75	0.24	C2orf74 chromosome 2 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:10000]
8	ORMDL3	1.56	-0.27	0.34	ORMDL3ORMDL sphingolipid biosynthesis regulator 3 [Source:HGNC Symbol;Acc:HGNC:10000]
9	PKN1	1.55	-0.45	0.28	PKN1 protein kinase N1 [Source:HGNC Symbol;Acc:HGNC:9405]
10	ELOVL6	1.55	-0.58	0.26	ELOVL6 ELOVL fatty acid elongase 6 [Source:HGNC Symbol;Acc:HGNC:10000]
11	MARCH9	1.49	-0.56	0.26	MARCH9membrane-associated ring finger (C3HC4) 9 [Source:HGNC Symbol;Acc:HGNC:10000]
12	TSEN2	1.47	-0.64	0.17	TSEN2 TSEN2 tRNA splicing endonuclease subunit [Source:HGNC Symbol;Acc:HGNC:10000]
13	ARHGEF2	1.47	-0.64	0.32	ARHGEF2Rho/Rac guanine nucleotide exchange factor (GEF) 2 [Source:HGNC Symbol;Acc:HGNC:10000]
14	POC5	1.43	-0.71	0.27	POC5 POC5 centriolar protein [Source:HGNC Symbol;Acc:HGNC:10000]
15	NMRK1	1.42	-0.6	0.38	NMRK1 nicotinamide riboside kinase 1 [Source:HGNC Symbol;Acc:HGNC:10000]
16	PDK4	1.41	-1.3	0.27	PDK4 pyruvate dehydrogenase kinase, isozyme 4 [Source:HGNC Symbol;Acc:HGNC:10000]
17	CCDC51	1.41	-0.75	0.4	CCDC51 coiled-coil domain containing 51 [Source:HGNC Symbol;Acc:HGNC:10000]
18	THG1L	1.39	-0.53	0.26	THG1L tRNA-histidine guanylyltransferase 1-like (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:10000]
19	GRIPAP1	1.34	-0.6	0.35	GRIPAP1GRIP1 associated protein 1 [Source:HGNC Symbol;Acc:HGNC:10000]
20	UBIAD1	1.34	-0.47	0.28	UBIAD1 UbiA prenyltransferase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:10000]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	4e-07	10 / 235	GSE# BLUM_RESPONSE_TO_SALIRASIB_UP
2	3e-06	68 / 9482	Colon TssA_Colon
3	3e-05	4 / 35	MF aminoacyl-tRNA ligase activity
4	4e-05	7 / 176	GSE# TIEN_INTESTINE_PROBIOTICS_24HR_DN
5	5e-05	6 / 126	GSE# PENG_LEUCINE_DEPRIVATION_UP
6	6e-05	4 / 41	GSE# KEGG_AMINOACYL_TRNA_BIOSYNTHESIS
7	6e-05	65 / 9330	Brain Overlap_fetal_midbrain_ReprPC
8	7e-05	4 / 42	GSE# REACTOME_TRNA_AMINOACYLATION
9	7e-05	3 / 16	GSE# TOMIDA_METASTASIS_DN
10	8e-05	4 / 44	BP tRNA aminoacylation for protein translation
11	1e-04	3 / 18	GSE# SARTIPY_BLUNTED_BY_INSULIN_RESISTANCE_DN
12	1e-04	6 / 147	BP tRNA metabolic process
13	2e-04	5 / 98	GSE# BHATI_G2M_ARREST_BY_2METHOXYESTRADIOL_DN
14	3e-04	3 / 24	GSE# REACTOME_CYTOSOLIC_TRNA_AMINOACYLATION
15	3e-04	9 / 405	GSE# MOOTHA_HUMAN_MITODB_6_2002
16	3e-04	3 / 26	GSE# KRIGE_AMINO_ACID_DEPRIVATION
17	4e-04	9 / 421	GSE# MOOTHA_MITOCHONDRIA
18	4e-04	2 / 6	GSE# ISHIDA_TARGETS_OF_SYT_S5X_FUSIONS
19	4e-04	7 / 260	GSE# ENK_UV_RESPONSE_EPIDERMIS_UP
20	5e-04	12 / 743	GSE# ONKEN_UVEAL_MELANOMA_UP
21	5e-04	20 / 1730	BP small molecule metabolic process
22	5e-04	18 / 1468	CC mitochondrion
23	6e-04	7 / 277	BP translation
24	7e-04	2 / 8	GSE# VANLOO_SP3_TARGETS_UP
25	9e-04	0 / 12	Cancer LIU_PROSTATE_CANCER_UP
26	9e-04	54 / 7592	Lymph HOPP_Active_promoter
27	9e-04	57 / 8205	CC cytoplasm
28	1e-03	2 / 10	CC nuclear exosome (RNase complex)
29	1e-03	2 / 11	BP negative regulation of B cell proliferation
30	1e-03	2 / 11	GSE# LUI_THYROID_CANCER_CLUSTER_4
31	2e-03	9 / 532	GSE# PARENT_MTOR_SIGNALING_UP
32	2e-03	5 / 168	MF magnesium ion binding
33	2e-03	3 / 47	GSE# MARCHINI TRABECTEDIN_RESISTANCE_DN
34	2e-03	8 / 435	GSE# GARY_CD5_TARGETS_UP
35	2e-03	40 / 5184	Lymph HOPP_Txn_transition
36	2e-03	2 / 14	CC exosome (RNase complex)
37	3e-03	4 / 108	GSE# KAN_RESPONSE_TO_ARSENIC_TRIOXIDE
38	3e-03	4 / 109	GSE# NIKOLSKY_BREAST_CANCER_8Q12_Q22_AMPLICON
39	3e-03	3 / 55	BP tRNA processing
40	3e-03	3 / 56	GSE# CAFFAREL_RESPONSE_TO_THC_24HR_5_DN



Overexpression Spots

Spot Summary: E1

metagenes = 4
genes = 51

<r> metagenes = 0.99
<r> genes = 0.27
beta: r2= 0.41 / log p= -11.35

samples with spot = 1 (1.1 %)
MSC3 : 1 (4 %)

Spot Genelist

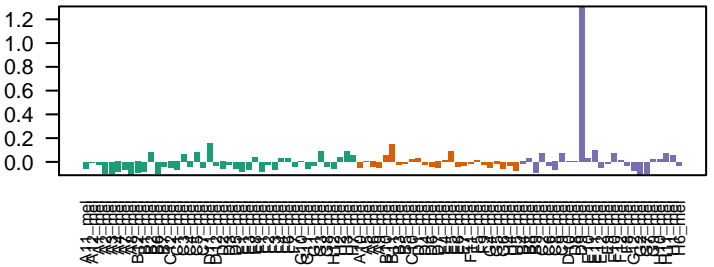
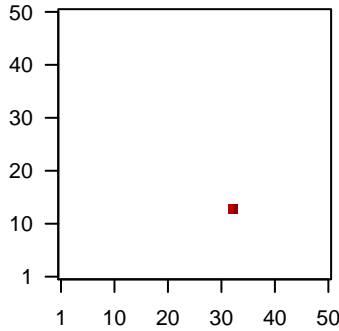
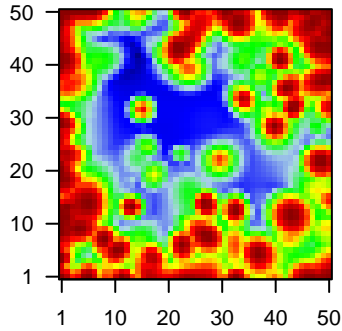
Rank	ID	max e	r	min e	Description
1	IGF2BP2	2.5	-0.05	0.75	IGF2BP2insulin-like growth factor 2 mRNA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:2067]
2	ACSF2	2.1	-0.18	0.48	ACSF2 acyl-CoA synthetase family member 2 [Source:HGNC Symbol;Acc:HGNC:2067]
3	CFAP44	2.06	-0.34	0.27	CFAP44 cilia and flagella associated protein 44 [Source:HGNC Symbol;Acc:HGNC:2067]
4	KLF4	1.99	-0.11	0.44	KLF4 Kruppel-like factor 4 (gut) [Source:HGNC Symbol;Acc:HGNC:2067]
5	SHISA2	1.94	-0.19	0.38	SHISA2 shisa family member 2 [Source:HGNC Symbol;Acc:HGNC:2067]
6	PLXDC1	1.9	-0.05	0.51	PLXDC1 plexin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2067]
7	SLC9B1	1.83	-0.14	0.37	SLC9B1 solute carrier family 9, subfamily B (NHA1, cation proton antiporter) [Source:HGNC Symbol;Acc:HGNC:2067]
8	ANKMY1	1.82	-0.19	0.47	ANKMY1ankyrin repeat and MYND domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2067]
9	EPGN	1.77	-0.02	0.79	EPGN epithelial mitogen [Source:HGNC Symbol;Acc:HGNC:17470]
10	APLP1	1.75	-0.26	0.41	APLP1 amyloid beta (A4) precursor-like protein 1 [Source:HGNC Symbol;Acc:HGNC:2067]
11	PTH1LH	1.75	-0.05	0.6	PTH1LH parathyroid hormone-like hormone [Source:HGNC Symbol;Acc:HGNC:2067]
12	NRCAM	1.74	-0.1	0.52	NRCAM neuronal cell adhesion molecule [Source:HGNC Symbol;Acc:HGNC:2067]
13	DLX6	1.69	-0.22	0.37	DLX6 distal-less homeobox 6 [Source:HGNC Symbol;Acc:HGNC:2067]
14	GRB14	1.68	-0.09	0.45	GRB14 growth factor receptor-bound protein 14 [Source:HGNC Symbol;Acc:HGNC:2067]
15	RPUSD4	1.68	-0.32	0.26	RPUSD4RNA pseudouridylyl synthase domain containing 4 [Source:HGNC Symbol;Acc:HGNC:2067]
16	ZNF782	1.58	-0.11	0.36	ZNF782 zinc finger protein 782 [Source:HGNC Symbol;Acc:HGNC:33]
17	NLGN1	1.57	-0.26	0.35	NLGN1 neuroligin 1 [Source:HGNC Symbol;Acc:HGNC:14291]
18	RNF169	1.52	-0.5	0.28	RNF169 ring finger protein 169 [Source:HGNC Symbol;Acc:HGNC:26]
19	CCDC30	1.51	-0.12	0.43	CCDC30 coiled-coil domain containing 30 [Source:HGNC Symbol;Acc:HGNC:2067]
20	TMEM241	1.47	-0.58	0.34	TMEM241transmembrane protein 241 [Source:HGNC Symbol;Acc:HGNC:2067]

Geneset Overrepresentation

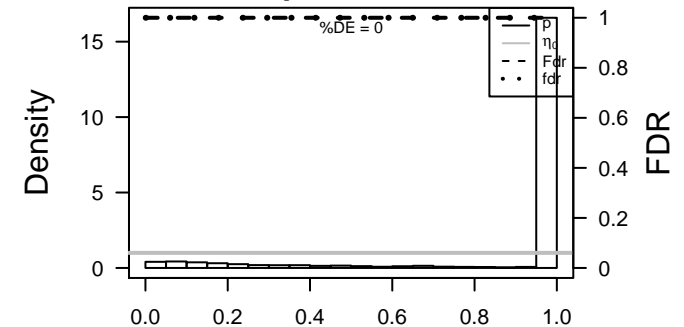
Rank	p-value	#in/all	Geneset
1	6e-04	2 / 11	GSE/ REACTOME_HDL_MEDIATED_LIPID_TRANSPORT
2	1e-03	22 / 3396	Lymph/ HOPP_Repressed
3	2e-03	6 / 371	Colon/ Lembcke_TCGA_meth_kmeans_F_CIMP_H_UP
4	2e-03	16 / 2159	Colon/ TssP_Colon
5	2e-03	6 / 391	GSE/ MEISSNER_NPC_HCP_WITH_H3K4ME2
6	2e-03	2 / 21	GSE/ REACTOME_LIPOPROTEIN_METABOLISM
7	3e-03	4 / 177	HM/ HALLMARK_TNFA_SIGNALING_VIA_NFKB
8	3e-03	6 / 427	Colon/ Quies2_Colon
9	3e-03	2 / 25	BP/ lipoprotein metabolic process
10	3e-03	4 / 182	GSE/ ZHANG_RESPONSE_TO_IKK_INHIBITOR_AND_TNF_UP
11	4e-03	2 / 26	BP/ positive regulation of nitric oxide biosynthetic process
12	4e-03	6 / 443	BP/ anatomical structure formation involved in morphogenesis
13	4e-03	11 / 1317	Colon/ EnhP_Colon
14	5e-03	2 / 31	miRN/ hsa-miR-617
15	5e-03	2 / 32	GSE/ REACTOME_LIPID_DIGESTION_MOBILIZATION_AND_TRANSPORT
16	7e-03	22 / 3897	Colon/ Quies1_Colon
17	8e-03	3 / 118	GSE/ REACTOME_DIABETES_PATHWAYS
18	8e-03	2 / 39	BP/ synapse assembly
19	8e-03	2 / 40	GSE/ MELLMAN_TUT1_TARGETS_DN
20	9e-03	2 / 41	GSE/ BROWNE_HCMV_INFECTION_30MIN_UP
21	1e-02	13 / 1889	Colon/ ReprPCWk_Colon
22	1e-02	5 / 394	Colon/ Lembcke_TCGA-expr_kmeans_L_CIMP_H_UP_Cluster4_DN
23	1e-02	4 / 260	BP/ nervous system development
24	1e-02	2 / 49	miRN/ hsa-miR-654-3p
25	1e-02	3 / 142	GSE/ IWANAGA_CARCIINOGENESIS_BY_KRAS_UP
26	1e-02	6 / 574	Brain/ Overlap_fetal_midbrain_TssP
27	1e-02	14 / 2188	Lymph/ HOPP_Poised_promoter
28	1e-02	2 / 52	BP/ fat cell differentiation
29	1e-02	2 / 53	GSE/ FONTAINE_PAPILLARY_THYROID_CARCIINOGENESIS_UP
30	1e-02	3 / 149	GSE/ PHONG_TNF_RESPONSE_VIA_P38_PARTIAL
31	1e-02	2 / 54	BP/ positive regulation of epithelial cell proliferation
32	2e-02	2 / 56	GSE/ WONG_ENDOMETRIUM_CANCER_DN
33	2e-02	3 / 157	GSE/ GRUETZMANN_PANCREATIC_CANCER_DN
34	2e-02	2 / 58	GSE/ DAVICIONI_TARGETS_OF_PAX_FOXO1_FUSIONS_DN
35	2e-02	1 / 5	Canc/ WANG_ER_DN
36	2e-02	1 / 5	Glio/ oligodendrocytes_glio
37	2e-02	7 / 786	Brain/ Fetal_EnhG
38	2e-02	2 / 59	GSE/ MCCLUNG_COCAIN_REWARD_4WK
39	2e-02	2 / 60	GSE/ AMIT_SERUM_RESPONSE_120_MCF10A
40	2e-02	6 / 615	GSE/ CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_DN

Overview Map

Spot



p-values



Rank	p-value	#in/all
1	0.000000	131
2	0.000000	131
3	0.000000	131
4	0.000000	131
5	0.000000	131
6	0.000000	131
7	0.000000	131
8	0.000000	131
9	0.000000	131
10	0.000000	131
11	0.000000	131
12	0.000000	131
13	0.000000	131
14	0.000000	131
15	0.000000	131
16	0.000000	131
17	0.000000	131
18	0.000000	131
19	0.000000	131
20	0.000000	131
21	0.000000	131
22	0.000000	131
23	0.000000	131
24	0.000000	131
25	0.000000	131
26	0.000000	131
27	0.000000	131
28	0.000000	131
29	0.000000	131
30	0.000000	131
31	0.000000	131
32	0.000000	131
33	0.000000	131
34	0.000000	131
35	0.000000	131
36	0.000000	131
37	0.000000	131
38	0.000000	131
39	0.000000	131
40	0.000000	131
41	0.000000	131
42	0.000000	131
43	0.000000	131
44	0.000000	131
45	0.000000	131
46	0.000000	131
47	0.000000	131
48	0.000000	131
49	0.000000	131
50	0.000000	131
51	0.000000	131
52	0.000000	131
53	0.000000	131
54	0.000000	131
55	0.000000	131
56	0.000000	131
57	0.000000	131
58	0.000000	131
59	0.000000	131
60	0.000000	131
61	0.000000	131
62	0.000000	131
63	0.000000	131
64	0.000000	131
65	0.000000	131
66	0.000000	131
67	0.000000	131
68	0.000000	131
69	0.000000	131
70	0.000000	131
71	0.000000	131
72	0.000000	131
73	0.000000	131
74	0.000000	131
75	0.000000	131
76	0.000000	131
77	0.000000	131
78	0.000000	131
79	0.000000	131
80	0.000000	131
81	0.000000	131
82	0.000000	131
83	0.000000	131
84	0.000000	131
85	0.000000	131
86	0.000000	131
87	0.000000	131
88	0.000000	131
89	0.000000	131
90	0.000000	131
91	0.000000	131
92	0.000000	131
93	0.000000	131
94	0.000000	131
95	0.000000	131
96	0.000000	131
97	0.000000	131
98	0.000000	131
99	0.000000	131
100	0.000000	131

Geneset
 downregulating genes meth DOWN
 HORVATH_age_genes meth UP
 TESCHENDORFF_age_hypermethylated

Rank	p-value	#in/all
1	0.000000	131
2	0.000000	131
3	0.000000	131
4	0.000000	131
5	0.000000	131
6	0.000000	131
7	0.000000	131
8	0.000000	131
9	0.000000	131
10	0.000000	131
11	0.000000	131
12	0.000000	131
13	0.000000	131
14	0.000000	131
15	0.000000	131
16	0.000000	131
17	0.000000	131
18	0.000000	131
19	0.000000	131
20	0.000000	131
21	0.000000	131
22	0.000000	131
23	0.000000	131
24	0.000000	131
25	0.000000	131
26	0.000000	131
27	0.000000	131
28	0.000000	131
29	0.000000	131
30	0.000000	131
31	0.000000	131
32	0.000000	131
33	0.000000	131
34	0.000000	131
35	0.000000	131
36	0.000000	131
37	0.000000	131
38	0.000000	131
39	0.000000	131
40	0.000000	131
41	0.000000	131
42	0.000000	131
43	0.000000	131
44	0.000000	131
45	0.000000	131
46	0.000000	131
47	0.000000	131
48	0.000000	131
49	0.000000	131
50	0.000000	131
51	0.000000	131
52	0.000000	131
53	0.000000	131
54	0.000000	131
55	0.000000	131
56	0.000000	131
57	0.000000	131
58	0.000000	131
59	0.000000	131
60	0.000000	131
61	0.000000	131
62	0.000000	131
63	0.000000	131
64	0.000000	131
65	0.000000	131
66	0.000000	131
67	0.000000	131
68	0.000000	131
69	0.000000	131
70	0.000000	131
71	0.000000	131
72	0.000000	131
73	0.000000	131
74	0.000000	131
75	0.000000	131
76	0.000000	131
77	0.000000	131
78	0.000000	131
79	0.000000	131
80	0.000000	131
81	0.000000	131
82	0.000000	131
83	0.000000	131
84	0.000000	131
85	0.000000	131
86	0.000000	131
87	0.000000	131
88	0.000000	131
89	0.000000	131
90	0.000000	131
91	0.000000	131
92	0.000000	131
93	0.000000	131
94	0.000000	131
95	0.000000	131
96	0.000000	131
97	0.000000	131
98	0.000000	131
99	0.000000	131
100	0.000000	131

Geneset
 LIVER_CANCER
 KUIPER_ILM_poor_survival
 RHOES_CANCER_METH_SIGNATURE
 Pancreatic_Driver_Gene_geneset_hanostring
 LIU_PROSTATE_CANCER_DN
 Lemcke_UNDIFFERENTIATED_CANCER
 SOCHIRIQU_BREAST_CANCER_GRADE_1_VS_3_DN
 LIU_BREAST_CANCER_UP
 WANG_Cancer_UP
 WOLFER_overlap_genes
 BEN_FORAHH_DN
 GENTLES_modul1
 GENTLES_modul2

Rank	p-value	#in/all
1	0.000000	131
2	0.000000	131
3	0.000000	131
4	0.000000	131
5	0.000000	131
6	0.000000	131
7	0.000000	131
8	0.000000	131
9	0.000000	131
10	0.000000	131
11	0.000000	131
12	0.000000	131
13	0.000000	131
14	0.000000	131
15	0.000000	131
16	0.000000	131
17	0.000000	131
18	0.000000	131
19	0.000000	131
20	0.000000	131
21	0.000000	131
22	0.000000	131
23	0.000000	131
24	0.000000	131
25	0.000000	131
26	0.000000	131
27	0.000000	131
28	0.000000	131
29	0.000000	131
30	0.000000	131
31	0.000000	131
32	0.000000	131
33	0.000000	131
34	0.000000	131
35	0.000000	131
36	0.000000	131
37	0.000000	131
38	0.000000	131
39	0.000000	131
40	0.000000	131
41	0.000000	131
42	0.000000	131
43	0.000000	131
44	0.000000	131
45	0.000000	131
46	0.000000	131
47	0.000000	131
48	0.000000	131
49	0.000000	131
50	0.000000	131
51	0.000000	131
52	0.000000	131
53	0.000000	131
54	0.000000	131
55	0.000000	131
56	0.000000	131
57	0.000000	131
58	0.000000	131
59	0.000000	131
60	0.000000	131
61	0.000000	131
62	0.000000	131
63	0.000000	131
64	0.000000	131
65	0.000000	131
66	0.000000	131
67	0.000000	131
68	0.000000	131
69	0.000000	131
70	0.000000	131
71	0.000000	131
72	0.000000	131
73	0.000000	131
74	0.000000	131
75	0.000000	131
76	0.000000	131
77	0.000000	131
78	0.000000	131
79	0.000000	131
80	0.000000	131
81	0.000000	131
82	0.000000	131
83	0.000000	131
84	0.000000	131
85	0.000000	131
86	0.000000	131
87	0.000000	131
88	0.000000	131
89	0.000000	131
90	0.000000	131
91	0.000000	131
92	0.000000	131
93	0.000000	131
94	0.000000	131
95	0.000000	131
96	0.000000	131
97	0.000000	131
98	0.000000	131
99	0.000000	131
100	0.000000	131

Geneset
 Lemcke_TCGA_meth_kmeans_F_CIMP.H_UP_
 Quesz_Colon
 ENHP_Colon
 Quesz_Colon
 RepIC_CW_Colon
 Lemcke_TCGA_expr_kmeans_L_CIMP.H_UP_Cluster4_DN
 RepIC_Colon
 Boland_CRC_MSI-H-A10
 Boland_CRC_TCGA_corr_U_msi-h_UP
 Mjasa_CRC-cluster1
 Lemcke_TCGA_meth_kmeans_H_CIMP.L_UP_CIMP.H_DN
 Lemcke_TCGA_meth_kmeans_O_CIMP.H_DN
 Mjasa_CRC-cluster4
 Lemcke_TCGA_expr_kmeans_M_CIMP.H_DN
 TssD1_Colon
 Lemcke_TCGA_meth_kmeans_L_CIMP.H_DN
 TssD1_Colon
 ENHWk2_Colon

Rank	p-value	#in/all
1	0.000000	131
2	0.000000	131
3	0.000000	131
4	0.000000	131
5	0.000000	131
6	0.000000	131
7	0.000000	131
8	0.000000	131
9	0.000000	131
10	0.000000	131
11	0.000000	131
12	0.000000	131
13	0.000000	131
14	0.000000	131
15	0.000000	131
16	0.000000	131
17	0.000000	131
18	0.000000	131
19	0.000000	131
20	0.000000	131
21	0.000000	131
22	0.000000	131
23	0.000000	131
24	0.000000	131
25	0.000000	131
26	0.000000	131
27	0.000000	131
28	0.000000	131
29	0.000000	131
30	0.000000	131
31	0.000000	131
32	0.000000	131
33	0.000000	131
34	0.000000	131
35	0.000000	131
36	0.000000	131
37	0.000000	131
38	0.000000	131
39	0.000000	131
40	0.000000	131
41	0.000000	131
42	0.000000	131
43	0.000000	131
44	0.000000	131
45	0.000000	131
46	0.000000	131
47	0.000000	131
48	0.000000	131
49	0.000000	131
50	0.0	

Overexpression Spots

Spot Summary: F1

metagenes = 5
genes = 89

<r> metagenes = 0.97
<r> genes = 0.46
beta: r2= 0.14 / log p= -3.52

samples with spot = 1 (1.1 %)
MSC3 : 1 (4 %)

Spot Genelist

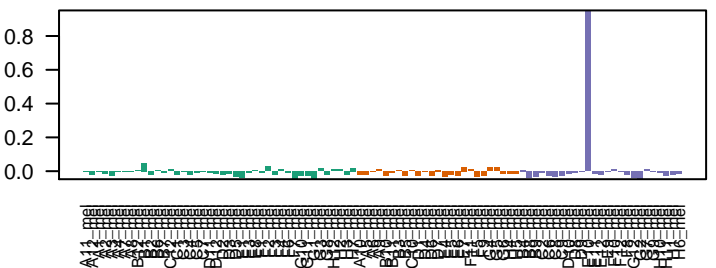
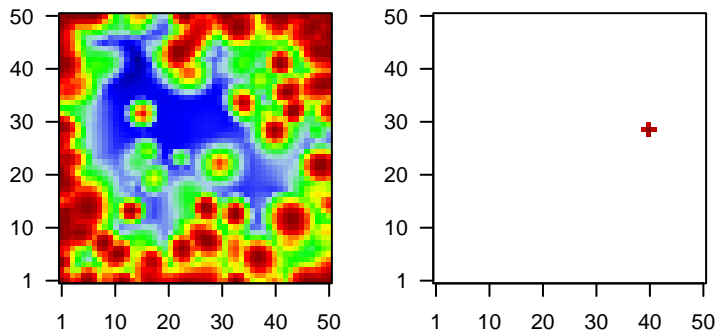
Rank	ID	max e	r	min e	Description
					Symbol
1	UBB	1.97	-0.09	0.41	UBB ubiquitin B [Source:HGNC Symbol;Acc:HGNC:12463]
2	IKZF4	1.85	-0.22	0.34	IKZF4 IKAROS family zinc finger 4 (Eos) [Source:HGNC Symbol;Acc:HGNC:12463]
3	MFSD2A	1.84	-0.03	0.65	MFSD2A major facilitator superfamily domain containing 2A [Source:HGNC Symbol;Acc:HGNC:12463]
4	FGF9	1.81	-0.02	0.75	FGF9 fibroblast growth factor 9 [Source:HGNC Symbol;Acc:HGNC:12463]
5	ZNF232	1.78	-0.03	0.77	ZNF232 zinc finger protein 232 [Source:HGNC Symbol;Acc:HGNC:12463]
6	RAP1GAP2	1.73	-0.02	0.75	RAP1GAP2 RAP1 GTPase activating protein 2 [Source:HGNC Symbol;Acc:HGNC:12463]
7	ZNF25	1.73	-0.1	0.5	ZNF25 zinc finger protein 25 [Source:HGNC Symbol;Acc:HGNC:12463]
8	MLKL	1.71	-0.1	0.3	MLKL mixed lineage kinase domain-like [Source:HGNC Symbol;Acc:HGNC:12463]
9	LMF1	1.65	-0.11	0.33	LMF1 lipase maturation factor 1 [Source:HGNC Symbol;Acc:HGNC:12463]
10	HOXA10	1.61	-0.05	0.57	HOXA10 homeobox A10 [Source:HGNC Symbol;Acc:HGNC:5100]
11	NR1H3	1.56	-0.05	0.34	NR1H3 nuclear receptor subfamily 1, group H, member 3 [Source:HGNC Symbol;Acc:HGNC:12463]
12	WIF1	1.55	-0.02	0.75	WIF1 WNT inhibitory factor 1 [Source:HGNC Symbol;Acc:HGNC:12463]
13	BATF3	1.55	-0.09	0.42	BATF3 basic leucine zipper transcription factor, ATF-like 3 [Source:HGNC Symbol;Acc:HGNC:12463]
14	SDK1	1.53	-0.13	0.37	SDK1 sidekick cell adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:12463]
15	CCDC88B	1.49	-0.05	0.29	CCDC88B coiled-coil domain containing 88B [Source:HGNC Symbol;Acc:HGNC:12463]
16	C16orf45	1.49	-0.1	0.49	C16orf45 chromosome 16 open reading frame 45 [Source:HGNC Symbol;Acc:HGNC:12463]
17	KRTAP13-2	1.46	-0.04	0.48	KRTAP13 keratin associated protein 13-2 [Source:HGNC Symbol;Acc:HGNC:12463]
18	TTC24	1.45	-0.03	0.61	TTC24 tetratricopeptide repeat domain 24 [Source:HGNC Symbol;Acc:HGNC:12463]
19	ZNF491	1.44	-0.04	0.54	ZNF491 zinc finger protein 491 [Source:HGNC Symbol;Acc:HGNC:12463]
20	FAM72A	1.44	-0.11	0.39	FAM72A family with sequence similarity 72, member A [Source:HGNC Symbol;Acc:HGNC:12463]

Geneset Overrepresentation

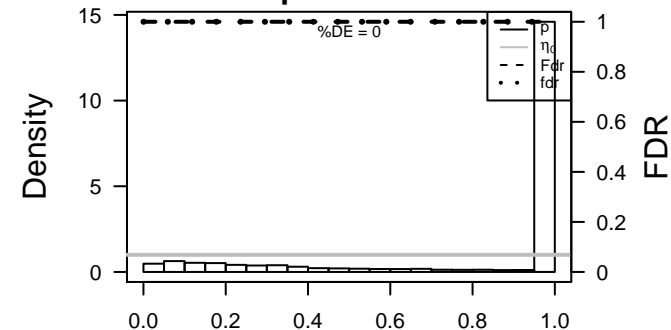
Rank	p-value	#in/all	Geneset
1	9e-08	33 / 2159	Colon TssP_Colon
2	6e-07	10 / 217	GSE/ MEISSNER_NPC_HCP_WITH_H3K4ME2_AND_H3K27ME3
3	2e-05	21 / 1317	Colon EnhP_Colon
4	2e-05	8 / 199	GSE/ MIKKELSEN_NPC_HCP_WITH_H3K27ME3
5	7e-05	27 / 2142	Colon ReprPC_Colon
6	2e-04	24 / 1889	Colon ReprPCWk_Colon
7	2e-04	13 / 686	Brain Overlap_fetal_midbrain_TssA
8	3e-04	2 / 5	GSE/ ST_INTERLEUKIN_13_PATHWAY
9	3e-04	2 / 5	GSE/ ST_IL_13_PATHWAY
10	5e-04	9 / 391	GSE/ MEISSNER_NPC_HCP_WITH_H3K4ME2
11	5e-04	14 / 862	Brain Overlap_fetal_midbrain_TxTrans
12	5e-04	8 / 314	Colon Lembcke_TCGA_meth_kmeans_E_CIMP_H_UP_
13	5e-04	6 / 172	GSE/ WIERENGA_STAT5A_TARGETS_UP
14	7e-04	25 / 2188	Lymph HOPP_Poised_promoter
15	1e-03	2 / 8	GSE/ BALLIF_DEVELOPMENTAL_DISABILITY_P16_P12_DELETION
16	1e-03	2 / 8	GSE/ MIKKELSEN_PLURIPOTENT_STATE_DN
17	1e-03	13 / 812	Brain Mid_Frontal_Lobe_TssP
18	1e-03	3 / 34	GSE/ WIERENGA_PML_INTERACTOME
19	1e-03	13 / 823	GSE/ MEISSNER_BRAIN_HCP_WITH_H3K4ME3_AND_H3K27ME3
20	2e-03	2 / 10	GSE/ SASAKI_TARGETS_OF_TP73_AND_TP63
21	2e-03	7 / 291	GSE/ ZHOU_INFLAMMATORY_RESPONSE_LPS_UP
22	2e-03	2 / 11	GSE/ FINETTI_BREAST_CANCER_KINOME_GREEN
23	2e-03	2 / 12	BP axon regeneration
24	2e-03	2 / 12	BP regulation of canonical Wnt signaling pathway
25	2e-03	2 / 12	Glio Donson-chemokine/cytokine-receptors-associated with LTS in HGA
26	2e-03	5 / 155	GSE/ MIKKELSEN_NPC_HCP_WITH_H3K4ME3_AND_H3K27ME3
27	2e-03	3 / 45	BP embryonic limb morphogenesis
28	3e-03	4 / 96	GSE/ LENAOUR_DENDRITIC_CELL_MATURATION_UP
29	3e-03	3 / 46	GSE/ HALMOS_CEBPA_TARGETS_UP
30	3e-03	2 / 13	BP cellular response to estradiol stimulus
31	3e-03	2 / 13	BP positive regulation of vascular endothelial growth factor receptor signaling pathway
32	3e-03	7 / 316	MF protein kinase binding
33	3e-03	2 / 14	GSE/ REACTOME_RAP1_SIGNALLING
34	3e-03	4 / 102	GSE/ MEISSNER_NPC_HCP_WITH_H3K4ME3_AND_H3K27ME3
35	3e-03	13 / 936	GSE/ ZWANG_TRANSIENTLY_UP_BY_2ND_EGF_PULSE_ONLY
36	3e-03	2 / 15	BP protein homotrimerization
37	3e-03	2 / 15	GSE/ SCHAEFFER_SOX9_TARGETS_IN_PROSTATE_DEVELOPMENT_UP
38	4e-03	19 / 1664	BP transcription, DNA-templated
39	4e-03	12 / 840	Chr Chr 17
40	4e-03	2 / 16	GSE/ STEGER_ADIPOGENESIS_UP

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: G1

metagenes = 11
genes = 160

<r> metagenes = 0.99
<r> genes = 0.24
beta: r2= 1.17 / log p= -Inf

samples with spot = 1 (1.1 %)
MSC3 : 1 (4 %)

Spot Genelist

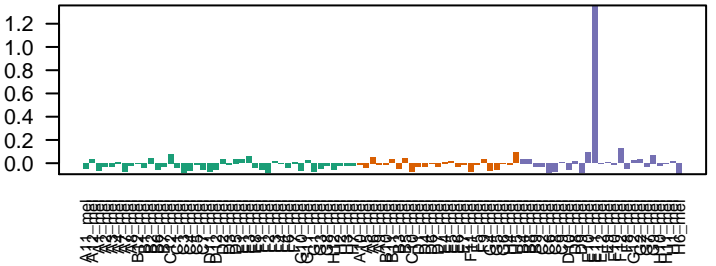
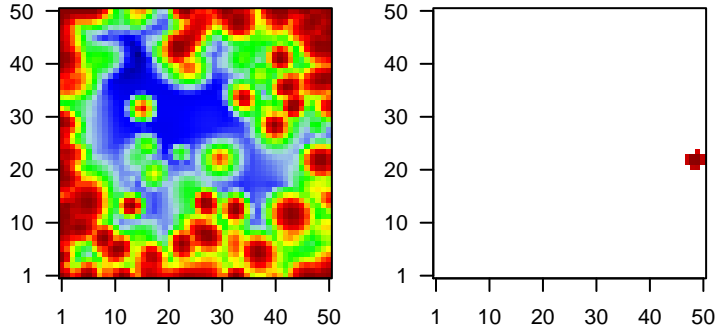
Rank	ID	max e	r	min e	Description
					Symbol
1	VCAN	2.39	-0.1	0.64	VCAN versican [Source:HGNC Symbol;Acc:HGNC:2464]
2	SCN2A	1.98	-0.06	0.67	SCN2A sodium channel, voltage gated, type II alpha subunit [Source:
3	CLHC1	1.96	-0.28	0.35	CLHC1 clathrin heavy chain linker domain containing 1 [Source:HGNC]
4	CEMIP	1.96	-0.23	0.46	CEMIP cell migration inducing protein, hyaluronan binding [Source:HGNC]
5	OXTR	1.94	-0.06	0.76	OXTR oxytocin receptor [Source:HGNC Symbol;Acc:HGNC:8529]
6	MYL4	1.93	-0.04	0.81	MYL4 myosin, light chain 4, alkali; atrial, embryonic [Source:HGNC]
7	PHLDB2	1.91	-0.23	0.46	PHLDB2 pleckstrin homology-like domain, family B, member 2 [Source:
8	CHL1	1.89	-0.05	0.73	CHL1 cell adhesion molecule L1-like [Source:HGNC Symbol;Acc:HGNC:2464]
9	CCDC81	1.88	-0.05	0.77	CCDC81 coiled-coil domain containing 81 [Source:HGNC Symbol;Acc:HGNC:2464]
10	SDC2	1.85	-0.15	0.51	SDC2 syndecan 2 [Source:HGNC Symbol;Acc:HGNC:10659]
11	GAD1	1.84	-0.07	0.72	GAD1 glutamate decarboxylase 1 (brain, 67kDa) [Source:HGNC Symbol;Acc:HGNC:2464]
12	SAMD9L	1.83	-0.22	0.3	SAMD9L sterile alpha motif domain containing 9-like [Source:HGNC Symbol;Acc:HGNC:2464]
13	DDX25	1.82	-0.16	0.41	DDX25 DEAD (Asp-Glu-Ala-Asp) box helicase 25 [Source:HGNC Symbol;Acc:HGNC:2464]
14	FBXO3	1.81	-0.52	0.27	FBXO3 F-box protein 3 [Source:HGNC Symbol;Acc:HGNC:13582]
15	HIST1H2BH	1.8	-0.08	0.54	HIST1H2BH histone cluster 1, H2bh [Source:HGNC Symbol;Acc:HGNC:41]
16	NEGR1	1.79	-0.04	0.78	NEGR1 neuronal growth regulator 1 [Source:HGNC Symbol;Acc:HGNC:2464]
17	TPCN1	1.78	-0.2	0.31	TPCN1 two pore segment channel 1 [Source:HGNC Symbol;Acc:HGNC:2464]
18	NFKBIZ	1.76	-0.9	0.29	NFKBIZ nuclear factor of kappa light polypeptide gene enhancer in B-cells
19	PLXNB1	1.76	-0.42	0.34	PLXNB1 plexin B1 [Source:HGNC Symbol;Acc:HGNC:9103]
20	HIST1H2BG	1.76	-0.29	0.29	HIST1H2BG histone cluster 1, H2bg [Source:HGNC Symbol;Acc:HGNC:41]

Geneset Overrepresentation

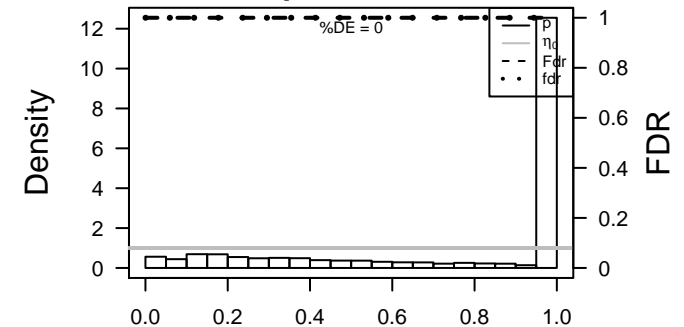
Rank	p-value	#in/all	Geneset
1	5e-08	47 / 1949	Brain Fetal_TssF
2	1e-05	7 / 72	GSE# REACTOME_MEIOTIC_RECOMBINATION
3	2e-05	6 / 54	GSE# REACTOME_RNA_POL_I_PROMOTER_OPENING
4	6e-05	4 / 20	GSE# MARKS_HDAC_TARGETS_UP
5	6e-05	12 / 283	GSE# PEREZ_TP63_TARGETS
6	6e-05	6 / 64	GSE# REACTOME_AMYLOIDS
7	1e-04	7 / 100	GSE# REACTOME_MEIOSIS
8	2e-04	3 / 11	GSE# SA_PROGRAMMED_CELL_DEATH
9	2e-04	6 / 78	GSE# REACTOME_RNA_POL_I_TRANSCRIPTION
10	2e-04	7 / 111	GSE# REACTOME_RNA_POL_I_RNA_POL_III_AND_MITOCHONDRIAL_TRANSCRIPTION
11	2e-04	6 / 79	CC nucleosome
12	2e-04	8 / 150	GSE# TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP
13	3e-04	3 / 12	CC axonal growth cone
14	3e-04	9 / 195	GSE# SENESE_HDAC1_AND_HDAC2_TARGETS_DN
15	3e-04	9 / 200	GSE# ZWANG_CLASS_3_TRANSIENTLY_INDUCED_BY_EGF
16	6e-04	6 / 97	GSE# KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS
17	7e-04	13 / 427	Color Quies2_Colon
18	8e-04	27 / 1308	GSE# DODD_NASOPHARYNGEAL_CARCIOMA_UP
19	8e-04	9 / 227	GSE# ACEVEDO_LIVER_TUMOR_VS_NORMAL_ADJACENT_TISSUE_DN
20	1e-03	7 / 146	GSE# TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_UP
21	1e-03	16 / 618	GSE# GOZGIT_ESR1_TARGETS_DN
22	1e-03	4 / 44	GSE# REACTOME_PACKAGING_OF_TELOMERE_ENDS
23	1e-03	15 / 574	Brain Overlap_fetal_midbrain_TssP
24	2e-03	7 / 160	GSE# GAUSSMANN_MLL_AF4_FUSION_TARGETS_F_UP
25	2e-03	4 / 48	BP JNK cascade
26	2e-03	4 / 49	CC Golgi lumen
27	2e-03	34 / 1907	Brain Fetal_TxTrans
28	2e-03	2 / 7	Glio WILLSCHER_GBM_LTSwt_proteomics-G_UP
29	2e-03	37 / 2159	Color TssP_Colon
30	3e-03	3 / 26	GSE# MOSERLE_IFNA_RESPONSE
31	3e-03	7 / 173	GSE# PEREZ_TP53_AND_TP63_TARGETS
32	3e-03	22 / 1079	Color ZNF_Colon
33	3e-03	4 / 55	GSE# GEORGANTAS_HSC_MARKERS
34	3e-03	21 / 1013	Brain Fetal_TssP
35	3e-03	14 / 564	Brain Mid_Frontal_Lobe_EnhP
36	3e-03	6 / 133	GSE# ZHANG_BREAST_CANCER_PROGENITORS_DN
37	3e-03	58 / 3897	Color Quies1_Colon
38	3e-03	3 / 28	GSE# REACTOME_INTRINSIC_PATHWAY_FOR_APOPTOSIS
39	4e-03	4 / 58	GSE# REACTOME_DEPOSITION_OF_NEW_CENPA_CONTAINING_NUCLEOSOMES
40	4e-03	2 / 9	GSE# MCCOLLUM_GELDANAMYCIN_RESISTANCE_UP

Overview Map

Spot



p-values



Rank	p-value	#in/all
1	0.000000	100
2	0.000000	100
3	0.000000	100
4	0.000000	100
5	0.000000	100
6	0.000000	100
7	0.000000	100
8	0.000000	100
9	0.000000	100
10	0.000000	100
11	0.000000	100
12	0.000000	100
13	0.000000	100
14	0.000000	100
15	0.000000	100
16	0.000000	100
17	0.000000	100
18	0.000000	100
19	0.000000	100
20	0.000000	100
21	0.000000	100
22	0.000000	100
23	0.000000	100
24	0.000000	100
25	0.000000	100
26	0.000000	100
27	0.000000	100
28	0.000000	100
29	0.000000	100
30	0.000000	100
31	0.000000	100
32	0.000000	100
33	0.000000	100
34	0.000000	100
35	0.000000	100
36	0.000000	100
37	0.000000	100
38	0.000000	100
39	0.000000	100
40	0.000000	100
41	0.000000	100
42	0.000000	100
43	0.000000	100
44	0.000000	100
45	0.000000	100
46	0.000000	100
47	0.000000	100
48	0.000000	100
49	0.000000	100
50	0.000000	100
51	0.000000	100
52	0.000000	100
53	0.000000	100
54	0.000000	100
55	0.000000	100
56	0.000000	100
57	0.000000	100
58	0.000000	100
59	0.000000	100
60	0.000000	100
61	0.000000	100
62	0.000000	100
63	0.000000	100
64	0.000000	100
65	0.000000	100
66	0.000000	100
67	0.000000	100
68	0.000000	100
69	0.000000	100
70	0.000000	100
71	0.000000	100
72	0.000000	100
73	0.000000	100
74	0.000000	100
75	0.000000	100
76	0.000000	100
77	0.000000	100
78	0.000000	100
79	0.000000	100
80	0.000000	100
81	0.000000	100
82	0.000000	100
83	0.000000	100
84	0.000000	100
85	0.000000	100
86	0.000000	100
87	0.000000	100
88	0.000000	100
89	0.000000	100
90	0.000000	100
91	0.000000	100
92	0.000000	100
93	0.000000	100
94	0.000000	100
95	0.000000	100
96	0.000000	100
97	0.000000	100
98	0.000000	100
99	0.000000	100
100	0.000000	100

Geneset	#in/all
Horvath_age_genes_meth_UP	100
Horvath_age_genes_meth_DOWN	100
TESCHENDORFF_age_hypermethylated	100

Rank	p-value	#in/all
1	0.000000	113
2	0.000000	113
3	0.000000	113
4	0.000000	113
5	0.000000	113
6	0.000000	113
7	0.000000	113
8	0.000000	113
9	0.000000	113
10	0.000000	113
11	0.000000	113
12	0.000000	113
13	0.000000	113
14	0.000000	113
15	0.000000	113
16	0.000000	113
17	0.000000	113
18	0.000000	113
19	0.000000	113
20	0.000000	113
21	0.000000	113
22	0.000000	113
23	0.000000	113
24	0.000000	113
25	0.000000	113
26	0.000000	113
27	0.000000	113
28	0.000000	113
29	0.000000	113
30	0.000000	113
31	0.000000	113
32	0.000000	113
33	0.000000	113
34	0.000000	113
35	0.000000	113
36	0.000000	113
37	0.000000	113
38	0.000000	113
39	0.000000	113
40	0.000000	113
41	0.000000	113
42	0.000000	113
43	0.000000	113
44	0.000000	113
45	0.000000	113
46	0.000000	113
47	0.000000	113
48	0.000000	113
49	0.000000	113
50	0.000000	113
51	0.000000	113
52	0.000000	113
53	0.000000	113
54	0.000000	113
55	0.000000	113
56	0.000000	113
57	0.000000	113
58	0.000000	113
59	0.000000	113
60	0.000000	113
61	0.000000	113
62	0.000000	113
63	0.000000	113
64	0.000000	113
65	0.000000	113
66	0.000000	113
67	0.000000	113
68	0.000000	113
69	0.000000	113
70	0.000000	113
71	0.000000	113
72	0.000000	113
73	0.000000	113
74	0.000000	113
75	0.000000	113
76	0.000000	113
77	0.000000	113
78	0.000000	113
79	0.000000	113
80	0.000000	113
81	0.000000	113
82	0.000000	113
83	0.000000	113
84	0.000000	113
85	0.000000	113
86	0.000000	113
87	0.000000	113
88	0.000000	113
89	0.000000	113
90	0.000000	113
91	0.000000	113
92	0.000000	113
93	0.000000	113
94	0.000000	113
95	0.000000	113
96	0.000000	113
97	0.000000	113
98	0.000000	113
99	0.000000	113
100	0.000000	113

Geneset	#in/all
panCan_methisReg_geneset_nanostring	113
panCan_ChromMod_geneset_nanostring	113
panCan_Driver_Geneset_geneset_nanostring	113
panCan_Tumor_K_geneset_nanostring	113
lembcke_ColonInflammation	113
SOX10_High_TCGA_SIGNATURE	113
SOX10_High_BREAST_CANCER_GRADE_1_VS_3_DN	113
GENIES_modules	113
panCan_meth_geneset_nanostring	113
panCan_HH_geneset_nanostring	113
panCan_CC_Apopt_geneset_nanostring	113
panCan_CAD_31_geneset_nanostring	113
panCan_Wnt_geneset_nanostring	113
SPANG_meth_index	113
PROSTATE_CANCER_UP	113
panCan_Pi3K_geneset_nanostring	113
lembcke_Normal_vs_Adenoma	113
LU_Prostate_Index	113
LU_Prostate_Cancer_DN	113

Rank	p-value	#in/all
1	0.000000	175
2	0.000000	175
3	0.000000	175
4	0.000000	175
5	0.000000	175
6	0.000000	175
7	0.000000	175
8	0.000000	175
9	0.000000	175
10	0.000000	175
11	0.000000	175
12	0.000000	175
13	0.000000	175
14	0.000000	175
15	0.000000	175
16	0.000000	175
17	0.000000	175
18	0.000000	175
19	0.000000	175
20	0.000000	175
21	0.000000	175
22	0.000000	175
23	0.000000	175
24	0.000000	175
25	0.000000	175
26	0.000000	175
27	0.000000	175
28	0.000000	175
29	0.000000	175
30	0.000000	175
31	0.000000	175
32	0.000000	175
33	0.000000	175
34	0.000000	175
35	0.000000	175
36	0.000000	175
37	0.000000	175
38	0.000000	175
39	0.000000	175
40	0.000000	175
41	0.000000	175
42	0.000000	175
43	0.000000	175
44	0.000000	175
45	0.000000	175
46	0.000000	175
47	0.000000	175
48	0.000000	175
49	0.000000	175
50	0.000000	175
51	0.000000	175
52	0.000000	175
53	0.000000	175
54	0.000000	175
55	0.000000	175
56	0.000000	175
57	0.000000	175
58	0.000000	175
59	0.000000	175
60	0.000000	175
61	0.000000	175
62	0.000000	175
63	0.000000	175
64	0.000000	175
65	0.000000	175
66	0.000000	175
67	0.000000	175
68	0.000000	175
69	0.000000	175
70	0.000000	175
71	0.000000	175
72	0.000000	175
73	0.000000	175
74	0.000000	175
75	0.000000	175
76	0.000000	175
77	0.000000	175
78	0.000000	175
79	0.000000	175
80	0.000000	175
81	0.000000	175
82	0.000000	175
83	0.000000	175
84	0.000000	175
85	0.000000	175
86	0.000000	175
87	0.000000	175
88	0.000000	175
89	0.000000	175
90	0.000000	175
91	0.000000	175
92	0.000000	175
93	0.000000	175
94	0.000000	175
95	0.000000	175
96	0.000000	175
97	0.000000	175
98	0.000000	175
99	0.000000	175
100	0.000000	175

Geneset	#in/all
Geneset_Colon	175
ZNF_Colon	175
Quiescent_Colon	175
TCGA_corr_C_normal_UP	175
ReprPC_Colon	175
ReprPCW_Colon	175
lembcke_TCGA_meth_kmeans_A_Cluster4_DN	175
Hewesht_Colon_secondary_mutations_Apoptosis	175
Issb_Colon	175
Emibcke_TCGA_expr_kmeans_N_CIMP_H_DN	175
Budinska_D_Mesenchymal_UP	175
Teich_Colon	175
Heikpts_Colon	175
lembcke_TCGA_meth_kmeans_F_CIMP_H_UP	175
Marsa_Colon_Cluster_5	175
lembcke_TCGA_expr_kmeans_L_CIMP_H_UP_Cluster4_DN	175
Vilar_hypermethylated_in_CRC	175

Rank	p-value	#in/all
1	0.000000	252
2	0.000000	252
3	0.000000	252
4	0.000000	252
5	0.000000	252
6	0.000000	252
7	0.000000	252
8	0.000000	252
9	0.000000	252
10	0.000000	252
11	0.000000	252
12	0.000000	252
13	0.000000	252
14	0.000000	252
15	0.000000	252
16	0.000000	252
17	0.000000	252
18	0.000000	252
19	0.000000	252
20	0.000000	252
21	0.000000	252
22	0.000000	252
23	0.000000	252
24	0.000000	252
25	0.000000	252
26	0.000000	252
27	0.000000	252
28	0.000	

Overexpression Spots

Spot Summary: H1

metagenes = 13
genes = 260

<r> metagenes = 0.97

<r> genes = 0.2

beta: r2= 4.71 / log p= -Inf

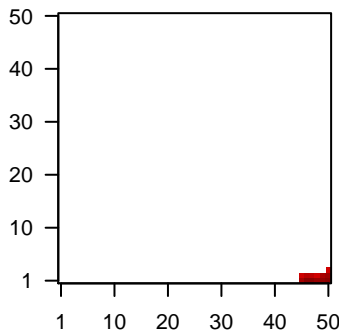
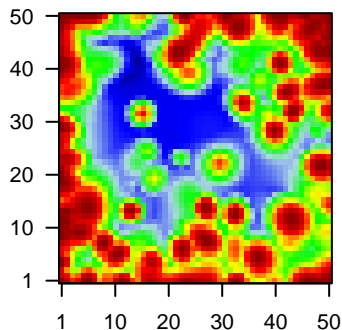
samples with spot = 16 (17.4 %)

MSC1 : 3 (7.1 %)

MSC3 : 13 (52 %)

Overview Map

Spot

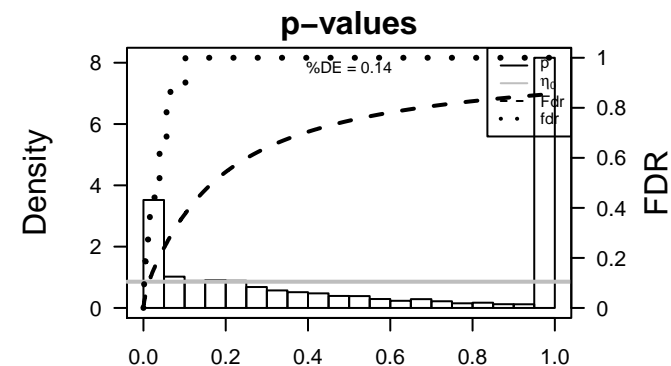
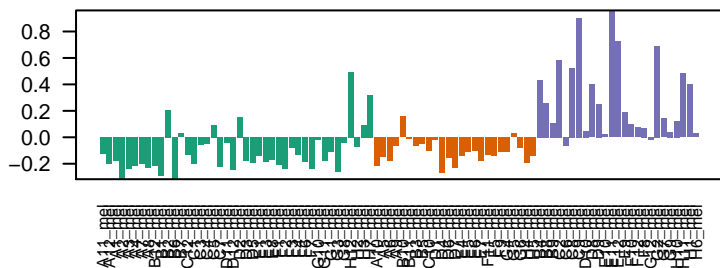


Spot Genelist

Rank	ID	max e	r	min e	Description
					Symbol
1	DKK1	2.85	-0.31	0.63	DKK1 dickkopf WNT signaling pathway inhibitor 1 [Source:HGNC S
2	IL24	2.78	-0.11	0.59	IL24 interleukin 24 [Source:HGNC Symbol;Acc:HGNC:11346]
3	HBEGF	2.46	-0.25	0.53	HBEGF heparin-binding EGF-like growth factor [Source:HGNC Synt
4	ANXA1	2.44	-0.5	0.78	ANXA1 annexin A1 [Source:HGNC Symbol;Acc:HGNC:533]
5	PTPRZ1	2.31	-0.37	0.7	PTPRZ1 protein tyrosine phosphatase, receptor-type, Z polypeptide 1
6	NAV3	2.3	-0.23	0.73	NAV3 neuron navigator 3 [Source:HGNC Symbol;Acc:HGNC:15998]
7	RGS4	2.3	-0.3	0.4	RGS4 regulator of G-protein signaling 4 [Source:HGNC Symbol;Acc
8	A2M	2.29	-0.9	0.52	A2M alpha-2-macroglobulin [Source:HGNC Symbol;Acc:HGNC:7
9	RGS2	2.26	-0.52	0.33	RGS2 regulator of G-protein signaling 2 [Source:HGNC Symbol;Acc
10	KCNJ2	2.26	-0.25	0.68	KCNJ2 potassium channel, inwardly rectifying subfamily J, member 2
11	HIST1H3D	2.25	-0.35	0.37	HIST1H3D histone cluster 1, H3d [Source:HGNC Symbol;Acc:HGNC:47
12	FN1	2.23	-1.04	0.4	FN1 fibronectin 1 [Source:HGNC Symbol;Acc:HGNC:3778]
13	SERPINI1	2.21	-0.56	0.39	SERPINI1 serpin peptidase inhibitor, clade 1 (neuroserpin), member 1 [S
14	LMCD1	2.2	-0.68	0.32	LMCD1 LIM and cysteine-rich domains 1 [Source:HGNC Symbol;Acc
15	VTN	2.14	-0.36	0.67	VTN vitronectin [Source:HGNC Symbol;Acc:HGNC:12724]
16	ARRDC3	2.09	-0.76	0.5	ARRDC3 arrestin domain containing 3 [Source:HGNC Symbol;Acc:HG
17	CAV1	2.08	-0.76	0.44	CAV1 caveolin 1, caveolae protein, 22kDa [Source:HGNC Symbol;Acc
18	MAP2	2.07	-0.14	0.6	MAP2 microtubule-associated protein 2 [Source:HGNC Symbol;Acc
19	S100A4	2.07	-0.2	0.62	S100A4 S100 calcium binding protein A4 [Source:HGNC Symbol;Acc
20	EFNA1	2.04	-0.24	0.37	EFNA1 ephrin-A1 [Source:HGNC Symbol;Acc:HGNC:3221]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	7e-27	42 / 286	GSE/ PASINI_SUZ12_TARGETS_DN
2	9e-26	56 / 594	GSE/ WONG_ADULT_TISSUE_STEM_MODULE
3	2e-24	49 / 472	GSE/ DUTERTRE_ESTRADIOL_RESPONSE_24HR_DN
4	6e-22	30 / 168	HM HALLMARK_EPITHELIAL_MESENCHYMAL_TRANSITION
5	2e-20	62 / 930	GSE/ NUYTEN_EZH2_TARGETS_UP
6	2e-19	54 / 749	GSE/ CUL_TCF21_TARGETS_2_DN
7	6e-19	40 / 410	GSE/ LIM_MAMMARY_STEM_CELL_UP
8	6e-19	30 / 212	Lymp/ LENZ_Stromal_signature_1
9	2e-18	40 / 425	GSE/ CHARAFE_BREAST_CANCER_LUMINAL_VS_MESENCHYMAL_DN
10	3e-18	38 / 385	GSE/ REN_ALVEOLAR_RHABDOMYOSARCOMA_DN
11	4e-18	33 / 283	GSE/ SCHUETZ_BREAST_CANCER_DUCTAL_INVASIVE_UP
12	1e-17	42 / 494	GSE/ CHICAS_RB1_TARGETS_CONFLUENT
13	3e-17	33 / 302	GSE/ KINSEY_TARGETS_OF_EWSR1_FLII_FUSION_DN
14	3e-15	35 / 401	GSE/ CHARAFE_BREAST_CANCER_LUMINAL_VS_BASAL_DN
15	1e-14	50 / 833	GSE/ DACOSTA_UV_RESPONSE_VIA_ERCC3_DN
16	7e-14	21 / 143	GSE/ VECCHI_GASTRIC_CANCER_ADVANCED_VS_EARLY_UP
17	1e-13	46 / 761	GSE/ KOINUMA_TARGETS_OF_SMAD2_OR_SMAD3
18	2e-13	25 / 227	GSE/ ONDER_CDH1_TARGETS_2_UP
19	6e-13	40 / 616	GSE/ NABA_MATRISOME
20	7e-13	31 / 377	GSE/ SMID_BREAST_CANCER_LUMINAL_B_DN
21	9e-13	21 / 163	GSE/ PICCALUGA_ANGIOIMMUNOBLASTIC_LYMPHOMA_UP
22	2e-12	1 / 14	Canc/ LIU_PROSTATE_CANCER_DN
23	2e-12	20 / 153	GSE/ WU_CELL_MIGRATION
24	5e-12	35 / 512	GSE/ SMID_BREAST_CANCER_BASAL_UP
25	6e-12	27 / 308	CC focal adhesion
26	9e-12	24 / 245	GSE/ WANG_SMARCE1_TARGETS_UP
27	1e-11	14 / 68	GSE/ BRUECKNER_TARGETS_OF_MIRLET7A3_DN
28	1e-11	18 / 131	Color Marisa_CRC-cluster-a
29	2e-11	18 / 132	GSE/ NABA_ECM_GLYCOPROTEINS
30	2e-11	21 / 189	GSE/ NABA_CORE_MATRISOME
31	2e-11	50 / 1013	Brain Fetal_Tssp
32	2e-11	23 / 234	GSE/ LU_AGING_BRAIN_UP
33	3e-11	22 / 215	GSE/ BILD_HRAS_ONCOGENIC_SIGNATURE
34	4e-11	24 / 263	Color Pentrack_CRC_TCGA_corr_J_msi-h_UP_mss_DN
35	5e-11	15 / 91	GSE/ BROWNE_HCMV_INFECTION_20HR_DN
36	5e-11	19 / 161	GSE/ ELVIDGE_HYPOXIA_UP
37	9e-11	29 / 400	GSE/ HELLER_HDAC_TARGETS_SILENCED_BY_METHYLATION_UP
38	1e-10	25 / 303	GSE/ LINDGREN_BLADDER_CANCER_CLUSTER_2B
39	2e-10	16 / 117	Color Marisa_CRC-cluster-b
40	3e-10	17 / 137	HM HALLMARK_UV_RESPONSE_DN



Rank	p-value	#in/all
1	0.000000	100
2	0.000000	100
3	0.000000	100
4	0.000000	100
5	0.000000	100
6	0.000000	100
7	0.000000	100
8	0.000000	100
9	0.000000	100
10	0.000000	100
11	0.000000	100
12	0.000000	100
13	0.000000	100
14	0.000000	100
15	0.000000	100
16	0.000000	100
17	0.000000	100
18	0.000000	100
19	0.000000	100
20	0.000000	100
21	0.000000	100
22	0.000000	100
23	0.000000	100
24	0.000000	100
25	0.000000	100
26	0.000000	100
27	0.000000	100
28	0.000000	100
29	0.000000	100
30	0.000000	100
31	0.000000	100
32	0.000000	100
33	0.000000	100
34	0.000000	100
35	0.000000	100
36	0.000000	100
37	0.000000	100
38	0.000000	100
39	0.000000	100
40	0.000000	100
41	0.000000	100
42	0.000000	100
43	0.000000	100
44	0.000000	100
45	0.000000	100
46	0.000000	100
47	0.000000	100
48	0.000000	100
49	0.000000	100
50	0.000000	100
51	0.000000	100
52	0.000000	100
53	0.000000	100
54	0.000000	100
55	0.000000	100
56	0.000000	100
57	0.000000	100
58	0.000000	100
59	0.000000	100
60	0.000000	100
61	0.000000	100
62	0.000000	100
63	0.000000	100
64	0.000000	100
65	0.000000	100
66	0.000000	100
67	0.000000	100
68	0.000000	100
69	0.000000	100
70	0.000000	100
71	0.000000	100
72	0.000000	100
73	0.000000	100
74	0.000000	100
75	0.000000	100
76	0.000000	100
77	0.000000	100
78	0.000000	100
79	0.000000	100
80	0.000000	100
81	0.000000	100
82	0.000000	100
83	0.000000	100
84	0.000000	100
85	0.000000	100
86	0.000000	100
87	0.000000	100
88	0.000000	100
89	0.000000	100
90	0.000000	100
91	0.000000	100
92	0.000000	100
93	0.000000	100
94	0.000000	100
95	0.000000	100
96	0.000000	100
97	0.000000	100
98	0.000000	100
99	0.000000	100
100	0.000000	100

Geneset	#in/all
aligning_genes meth UP	100
HORVATH_align_genes meth DOWN	100
TESCHENDORFF_age_hypermethylated	100

Rank	p-value	#in/all
1	0.000000	401
2	0.000000	401
3	0.000000	401
4	0.000000	401
5	0.000000	401
6	0.000000	401
7	0.000000	401
8	0.000000	401
9	0.000000	401
10	0.000000	401
11	0.000000	401
12	0.000000	401
13	0.000000	401
14	0.000000	401
15	0.000000	401
16	0.000000	401
17	0.000000	401
18	0.000000	401
19	0.000000	401
20	0.000000	401
21	0.000000	401
22	0.000000	401
23	0.000000	401
24	0.000000	401
25	0.000000	401
26	0.000000	401
27	0.000000	401
28	0.000000	401
29	0.000000	401
30	0.000000	401
31	0.000000	401
32	0.000000	401
33	0.000000	401
34	0.000000	401
35	0.000000	401
36	0.000000	401
37	0.000000	401
38	0.000000	401
39	0.000000	401
40	0.000000	401
41	0.000000	401
42	0.000000	401
43	0.000000	401
44	0.000000	401
45	0.000000	401
46	0.000000	401
47	0.000000	401
48	0.000000	401
49	0.000000	401
50	0.000000	401
51	0.000000	401
52	0.000000	401
53	0.000000	401
54	0.000000	401
55	0.000000	401
56	0.000000	401
57	0.000000	401
58	0.000000	401
59	0.000000	401
60	0.000000	401
61	0.000000	401
62	0.000000	401
63	0.000000	401
64	0.000000	401
65	0.000000	401
66	0.000000	401
67	0.000000	401
68	0.000000	401
69	0.000000	401
70	0.000000	401
71	0.000000	401
72	0.000000	401
73	0.000000	401
74	0.000000	401
75	0.000000	401
76	0.000000	401
77	0.000000	401
78	0.000000	401
79	0.000000	401
80	0.000000	401
81	0.000000	401
82	0.000000	401
83	0.000000	401
84	0.000000	401
85	0.000000	401
86	0.000000	401
87	0.000000	401
88	0.000000	401
89	0.000000	401
90	0.000000	401
91	0.000000	401
92	0.000000	401
93	0.000000	401
94	0.000000	401
95	0.000000	401
96	0.000000	401
97	0.000000	401
98	0.000000	401
99	0.000000	401
100	0.000000	401

Geneset	#in/all
PANCREAS_CANCER_DN	401
PanCan_P13k_geneset_nanostring	401
Lemcke_Clopic_inflammation	401
PanCan_T2_geneset_nanostring	401
PanCan_RAS_geneset_nanostring	401
GENESET_modul7	401
GENESET_geneset_nanostring	401
ZRANG_MIGS_up	401
ZRANG_MIGS_index2	401
LIV_COMBIN_CANCER_GENES	401
SHAOCHUN_SS_MM_high_risk	401
PanCan_CC_AGI_geneset_nanostring	401
GENESET_modul3	401
PanCan_TxmsKep_geneset_nanostring	401
OVARIAN_BREAST_CANCER_GRADE_1_VS_3_DN	401
GENESET_modul0	401
GENESET_modul1	401
PanCan_JAK_S1_geneset_nanostring	401

Rank	p-value	#in/all
1	0.000000	290
2	0.000000	290
3	0.000000	290
4	0.000000	290
5	0.000000	290
6	0.000000	290
7	0.000000	290
8	0.000000	290
9	0.000000	290
10	0.000000	290
11	0.000000	290
12	0.000000	290
13	0.000000	290
14	0.000000	290
15	0.000000	290
16	0.000000	290
17	0.000000	290
18	0.000000	290
19	0.000000	290
20	0.000000	290
21	0.000000	290
22	0.000000	290
23	0.000000	290
24	0.000000	290
25	0.000000	290
26	0.000000	290
27	0.000000	290
28	0.000000	290
29	0.000000	290
30	0.000000	290
31	0.000000	290
32	0.000000	290
33	0.000000	290
34	0.000000	290
35	0.000000	290
36	0.000000	290
37	0.000000	290
38	0.000000	290
39	0.000000	290
40	0.000000	290
41	0.000000	290
42	0.000000	290
43	0.000000	290
44	0.000000	290
45	0.000000	290
46	0.000000	290
47	0.000000	290
48	0.000000	290
49	0.000000	290
50	0.000000	290
51	0.000000	290
52	0.000000	290
53	0.000000	290
54	0.000000	290
55	0.000000	290
56	0.000000	290
57	0.000000	290
58	0.000000	290
59	0.000000	290
60	0.000000	290
61	0.000000	290
62	0.000000	290
63	0.000000	290
64	0.000000	290
65	0.000000	290
66	0.000000	290
67	0.000000	290
68	0.000000	290
69	0.000000	290
70	0.000000	290
71	0.000000	290
72	0.000000	290
73	0.000000	290
74	0.000000	290
75	0.000000	290
76	0.000000	290
77	0.000000	290
78	0.000000	290
79	0.000000	290
80	0.000000	290
81	0.000000	290
82	0.000000	290
83	0.000000	290
84	0.000000	290
85	0.000000	290
86	0.000000	290
87	0.000000	290
88	0.000000	290
89	0.000000	290
90	0.000000	290
91	0.000000	290
92	0.000000	290
93	0.000000	290
94	0.000000	290
95	0.000000	290
96	0.000000	290
97	0.000000	290
98	0.000000	290
99	0.000000	290
100	0.000000	290

Geneset	#in/all
Maria_CRC_cluster-a	290
PanCan_CRC_TCGA_corr_J_msi-h_UP_mss_DN	290
Maria_CRC_cluster-b	290
PanCan_CRC_TCGA_group.over_B_msi-h_UP	290
TSVik_Colon	290
TSV1_Colon	290
Quest1_Colon	290
Lemcke_TCGA_meth_kmeans_E_CIMP_H_UP_	290
Maria_CRC_cluster-f	290
Villar_mutated_in_CRC-Camp	290
PanCan_CRC_TCGA_corr_C_normal_UP	290
TSV1_Colon	290
Ang_CRC_CIMP_H-vs-L_hyper	290
Quest1_Colon	290
Lemcke_TCGA-expr_kmeans_L_CIMP_H_UP_Cluster4_DN	290
Ang_CRC_hypermethylated	290
PanCan_CRC_TCGA_corr_U_msi-h_UP	290
K9ad_low_Colon	290
Lemcke_TCGA_meth_kmeans_B_Cluster4_DN	290

Rank	p-value	#in/all
1	0.000000	592
2	0.000000	592
3	0.000000	592
4	0.000000	592
5	0.000000	592
6	0.000000	592
7	0.000000	592
8	0.000000	592
9	0.000000	592
10	0.000000	592
11	0.000000	592
12	0.000000	592
13	0.000000	592
14	0.000000	592
15	0.000000	592
16	0.000000	592
17	0.000000	592
18	0.000000	592
19	0.000000	592
20	0.000000	592
21	0.000000	592
22	0.000000	592
23	0.000000	592
24	0.000000	592
25	0.000000	592
26	0.000000	592
27	0.000000	592
28</		

Overexpression Spots

Spot Summary: I1

metagenes = 7
genes = 95

<r> metagenes = 0.97
<r> genes = 0.1
beta: r2= 1.64 / log p= -Inf

samples with spot = 15 (16.3 %)

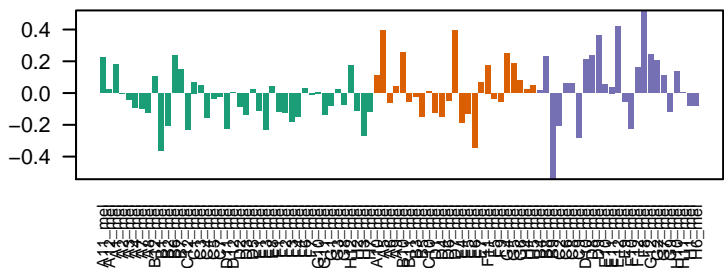
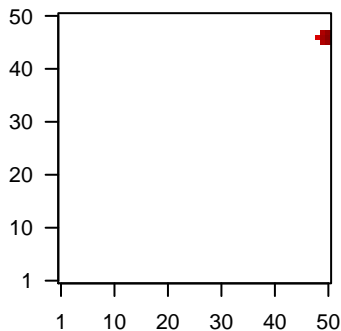
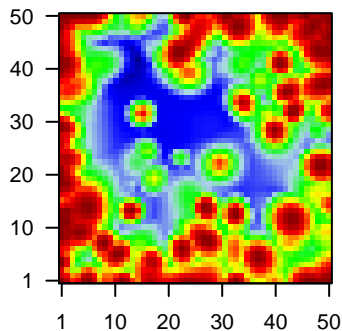
MSC1 : 2 (4.8 %)

MSC2 : 5 (20 %)

MSC3 : 8 (32 %)

Overview Map

Spot

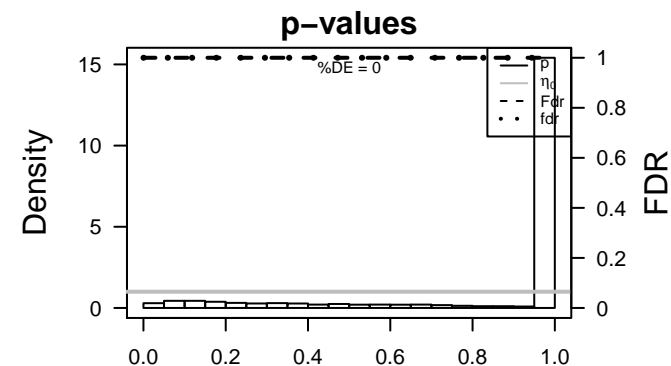


Spot Genelist

Rank	ID	max e	r	min e	Description
1	PIBF1	1.97	-0.47	0.28	PIBF1 progesterone immunomodulatory binding factor 1 [Source:HGNC]
2	CC2D2A	1.84	-0.51	0.36	CC2D2A coiled-coil and C2 domain containing 2A [Source:HGNC Syrr]
3	GSDMB	1.8	-0.19	0.37	GSDMB gasdermin B [Source:HGNC Symbol;Acc:HGNC:23690]
4	GORAB	1.77	-0.45	0.34	GORAB golgin, RAB6-interacting [Source:HGNC Symbol;Acc:HGNC:20670]
5	C1S	1.74	-0.17	0.44	C1S complement component 1, s subcomponent [Source:HGNC Symbol;Acc:HGNC:20670]
6	TMEM53	1.71	-0.39	0.29	TMEM53transmembrane protein 53 [Source:HGNC Symbol;Acc:HGNC:20670]
7	ZNF420	1.68	-0.43	0.28	ZNF420 zinc finger protein 420 [Source:HGNC Symbol;Acc:HGNC:20670]
8	PHOSPHO2	1.62	-0.32	0.36	PHOSPHO2 phosphatase, orphan 2 [Source:HGNC Symbol;Acc:HGNC:20670]
9	MFSD8	1.6	-0.35	0.36	MFSD8 major facilitator superfamily domain containing 8 [Source:HGNC Symbol;Acc:HGNC:20670]
10	DCAF10	1.58	-0.65	0.26	DCAF10 DDB1 and CUL4 associated factor 10 [Source:HGNC Symbol;Acc:HGNC:20670]
11	TRO	1.57	-0.73	0.41	TRO trophinin [Source:HGNC Symbol;Acc:HGNC:12326]
12	AMPD2	1.56	-0.6	0.41	AMPD2 adenosine monophosphate deaminase 2 [Source:HGNC Syrr]
13	TSC2	1.55	-0.53	0.4	TSC2 tuberous sclerosis 2 [Source:HGNC Symbol;Acc:HGNC:1236]
14	PHF8	1.55	-0.41	0.26	PHF8 PHD finger protein 8 [Source:HGNC Symbol;Acc:HGNC:20670]
15	DNHD1	1.54	-0.23	0.3	DNHD1 dynein heavy chain domain 1 [Source:HGNC Symbol;Acc:HGNC:20670]
16	PHYKPL	1.52	-0.43	0.29	PHYKPL 5-phosphohydroxy-L-lysine phospho-lyase [Source:HGNC Symbol;Acc:HGNC:20670]
17	ZNF668	1.52	-0.23	0.28	ZNF668 zinc finger protein 668 [Source:HGNC Symbol;Acc:HGNC:25]
18	HIST3H2A	1.51	-0.86	0.44	HIST3H2A histone cluster 3, H2a [Source:HGNC Symbol;Acc:HGNC:20670]
19	DPH7	1.48	-0.35	0.33	DPH7 diphthamide biosynthesis 7 [Source:HGNC Symbol;Acc:HGNC:20670]
20	ZUFSP	1.45	-0.68	0.21	ZUFSP zinc finger with UFM1-specific peptidase domain [Source:HGNC Symbol;Acc:HGNC:20670]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	3e-10	83 / 8580	Colon TxWk_Colon
2	2e-09	84 / 9027	Colon Tx_Colon
3	3e-07	82 / 9330	Brain Overlap_fetal_midbrain_ReprPC
4	7e-07	72 / 7592	Lymph HOPP_Active_promoter
5	7e-07	68 / 6929	Lymph HOPP_Txn_elongation
6	3e-05	79 / 9482	Colon TssA_Colon
7	1e-04	75 / 9013	Brain Overlap_fetal_midbrain_K9K27me3
8	2e-04	64 / 7203	Colon TssF_Colon
9	2e-04	71 / 8415	Colon Quies3_Colon
10	6e-04	49 / 5184	Lymph HOPP_Txn_transition
11	7e-04	54 / 5940	Brain Overlap_fetal_midbrain_HetRpts
12	7e-04	31 / 2755	BP transport
13	2e-03	3 / 37	miRN hsa-miR-760
14	2e-03	3 / 38	GSE/ IRITANI_MAD1_TARGETS_DN
15	2e-03	2 / 11	BP activation of mitophagy in response to mitochondrial depolarization
16	2e-03	2 / 11	BP posttranscriptional regulation of gene expression
17	2e-03	5 / 142	GSE/ IWANAGA_CARCINOGENESIS_BY_KRAS_UP
18	2e-03	75 / 9653	Color Enh_Colon
19	3e-03	2 / 12	MF protein methyltransferase activity
20	3e-03	80 / 10605	CC intracellular
21	3e-03	74 / 9528	Brain Overlap_fetal_midbrain_Quies
22	3e-03	60 / 7209	Lymph HOPP_Weak_promoter
23	3e-03	2 / 13	BP cAMP catabolic process
24	4e-03	2 / 14	BP protein ADP-ribosylation
25	4e-03	24 / 2136	TF ICGC_GabpPcr2_targets
26	4e-03	29 / 2798	Color TxEnhG1_Colon
27	4e-03	3 / 51	miRN hsa-miR-508-5p
28	4e-03	4 / 104	GSE/ LAIHO_COLORECTAL_CANCER_SERRATED_UP
29	5e-03	2 / 16	GSE/ MEISSNER_NPC_ICP_WITH_H3K4ME3
30	5e-03	3 / 54	CC transport vesicle
31	5e-03	8 / 416	GSE/ SHEN_SMARCA2_TARGETS_UP
32	5e-03	13 / 911	GSE/ BENPORATH_NANOG_TARGETS
33	6e-03	3 / 59	BP cilium morphogenesis
34	7e-03	12 / 833	GSE/ DACOSTA_UV_RESPONSE_VIA_ERCC3_DN
35	7e-03	2 / 20	CC dynein complex
36	7e-03	2 / 20	MF NAD+ ADP-ribosyltransferase activity
37	7e-03	2 / 20	BP regulation of sequence-specific DNA binding transcription factor activity
38	8e-03	2 / 21	GSE/ BIOCARTE_MTOR_PATHWAY
39	8e-03	2 / 21	GSE/ MARCINIAK_ER_STRESS_RESPONSE_VIA_CHOP
40	8e-03	3 / 64	GSE/ REACTOME_ANTIVIRAL_MECHANISM_BY_IFN_STIMULATED_GENES



Overexpression Spots

Spot Summary: J1

metagenes = 13
genes = 118

<r> metagenes = 0.94
<r> genes = 0.09
beta: r2= 1.47 / log p= -Inf

samples with spot = 12 (13 %)
MSC2 : 4 (16 %)
MSC3 : 8 (32 %)

Spot Genelist

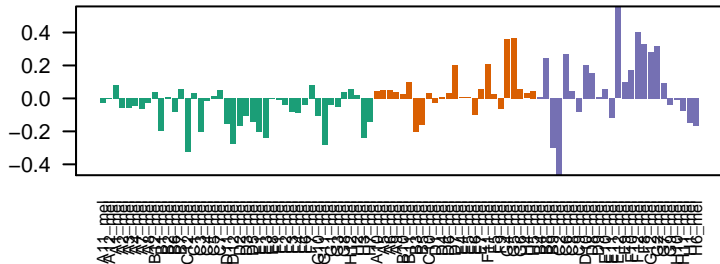
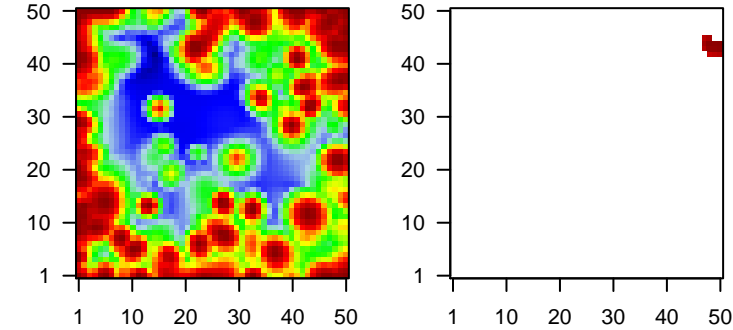
Rank	ID	max e	r	min e	Description
					Symbol
1	NECAB2	1.9	-0.43	0.35	NECAB2N-terminal EF-hand calcium binding protein 2 [Source:HGNC]
2	LIN37	1.83	-0.13	0.35	LIN37 lin-37 DREAM MuvB core complex component [Source:HGNC]
3	PACRGL	1.76	-0.36	0.23	PACRGL PARK2 co-regulated-like [Source:HGNC Symbol;Acc:HGNC]
4	USP19	1.74	-0.4	0.29	USP19 ubiquitin specific peptidase 19 [Source:HGNC Symbol;Acc:HGNC]
5	STYXL1	1.73	-0.64	0.39	STYXL1 serine/threonine/tyrosine interacting-like 1 [Source:HGNC Symbol;Acc:HGNC]
6	ING4	1.73	-0.36	0.37	ING4 inhibitor of growth family, member 4 [Source:HGNC Symbol;Acc:HGNC]
7	RNF146	1.7	-0.34	0.33	RNF146 ring finger protein 146 [Source:HGNC Symbol;Acc:HGNC:21]
8	VASP	1.69	-0.36	0.28	VASP vasodilator-stimulated phosphoprotein [Source:HGNC Symbol;Acc:HGNC]
9	LRRC23	1.64	-0.21	0.33	LRRC23 leucine rich repeat containing 23 [Source:HGNC Symbol;Acc:HGNC]
10	LZTR1	1.57	-0.45	0.26	LZTR1 leucine-zipper-like transcription regulator 1 [Source:HGNC Symbol;Acc:HGNC]
11	BCAS3	1.55	-0.48	0.37	BCAS3 breast carcinoma amplified sequence 3 [Source:HGNC Symbol;Acc:HGNC]
12	PARP6	1.54	-0.61	0.24	PARP6 poly (ADP-ribose) polymerase family, member 6 [Source:HGNC Symbol;Acc:HGNC]
13	CDC16	1.54	-0.74	0.25	CDC16 cell division cycle 16 [Source:HGNC Symbol;Acc:HGNC:172]
14	LRRC39	1.52	-0.38	0.35	LRRC39 leucine rich repeat containing 39 [Source:HGNC Symbol;Acc:HGNC]
15	RUFY1	1.52	-0.52	0.24	RUFY1 RUN and FYVE domain containing 1 [Source:HGNC Symbol;Acc:HGNC]
16	RAB4B	1.51	-0.49	0.28	RAB4B RAB4B, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC]
17	CCT6B	1.51	-0.23	0.23	CCT6B chaperonin containing TCP1, subunit 6B (zeta 2) [Source:HGNC Symbol;Acc:HGNC]
18	FAM219B	1.51	-0.68	0.23	FAM219B family with sequence similarity 219, member B [Source:HGNC Symbol;Acc:HGNC]
19	CDAN1	1.49	-0.14	0.31	CDAN1 codanin 1 [Source:HGNC Symbol;Acc:HGNC:1713]
20	ZNF189	1.47	-0.25	0.33	ZNF189 zinc finger protein 189 [Source:HGNC Symbol;Acc:HGNC:12]

Geneset Overrepresentation

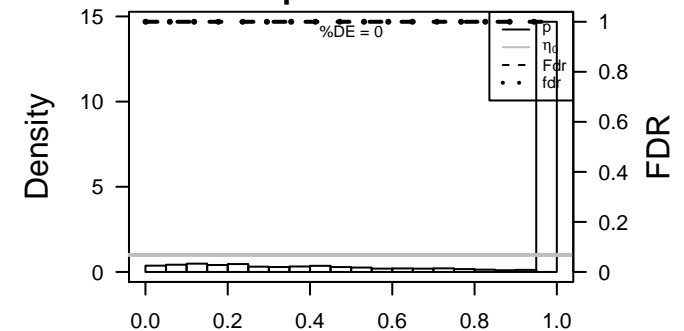
Rank	p-value	#in/all	Geneset
1	6e-10	88 / 6929	Lymph HOPP_Txn_elongation
2	1e-08	97 / 8580	Colon TxWk_Colon
3	4e-08	101 / 9330	Brain Overlap_fetal_midbrain_ReprPC
4	1e-07	98 / 9027	Colon Tx_Colon
5	1e-07	88 / 7592	Lymph HOPP_Active_promoter
6	1e-06	99 / 9482	Colon TssA_Colon
7	2e-06	66 / 5184	Lymph HOPP_Txn_transition
8	4e-06	4 / 14	BP nucleotide metabolic process
9	2e-05	93 / 9013	Brain Overlap_fetal_midbrain_K9K27me3
10	4e-05	69 / 5940	Brain Overlap_fetal_midbrain_HetRpts
11	9e-05	100 / 10290	Colon TssWk_Colon
12	1e-04	13 / 478	BP protein transport
13	4e-04	76 / 7209	Lymph HOPP_Weak_promoter
14	4e-04	3 / 19	GSE/ TOMLINS_METASTASIS_DN
15	5e-04	23 / 1383	TF ICGC_Six5_targets
16	7e-04	5 / 89	Lymph ROSOLOWSKI_blue total
17	8e-04	84 / 8415	Colon Quies3_Colon
18	2e-03	3 / 30	BP termination of RNA polymerase I transcription
19	2e-03	3 / 30	BP transcription elongation from RNA polymerase I promoter
20	2e-03	3 / 33	BP transcription from RNA polymerase I promoter
21	2e-03	3 / 33	BP transcription initiation from RNA polymerase I promoter
22	2e-03	3 / 34	BP histone acetylation
23	3e-03	6 / 176	GSE/ TIEN_INTESTINE_PROBIOTICS_24HR_DN
24	3e-03	2 / 11	BP positive regulation of protein sumoylation
25	3e-03	8 / 310	GSE/ DAZARD_RESPONSE_TO_UV_NHEK_DN
26	3e-03	14 / 775	Chr Chr 12
27	4e-03	60 / 5693	Lymph HOPP_Weak_enhancer
28	4e-03	2 / 12	MF RNA polymerase I activity
29	5e-03	2 / 13	CC DNA-directed RNA polymerase I complex
30	5e-03	4 / 87	GSE/ BROWNE_HCMV_INFECTION_10HR_UP
31	5e-03	2 / 14	BP negative regulation of endoplasmic reticulum stress-induced intrinsic apoptosis
32	5e-03	3 / 45	GSE/ STAMBOLSKY_TARGETS_OF_MUTATED_TP53_DN
33	6e-03	7 / 271	GSE/ ZHANG_TLX_TARGETS_60HR_UP
34	6e-03	45 / 4032	TF ICGC_Creb1_targets
35	6e-03	13 / 748	Colon Pentrack_CRC_TCGA_corr_R_normal_DN
36	7e-03	6 / 213	BP chromatin organization
37	8e-03	2 / 17	BP positive regulation of intracellular protein transport
38	8e-03	2 / 17	GSE/ REACTOME_FORMATION_OF_INCISION_COMPLEX_IN_GG_NER
39	8e-03	20 / 1418	TF ICGC_Ets1_targets
40	8e-03	3 / 52	GSE/ SAMOLS_TARGETS_OF_KHSV_MIRNAS_DN

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: K1

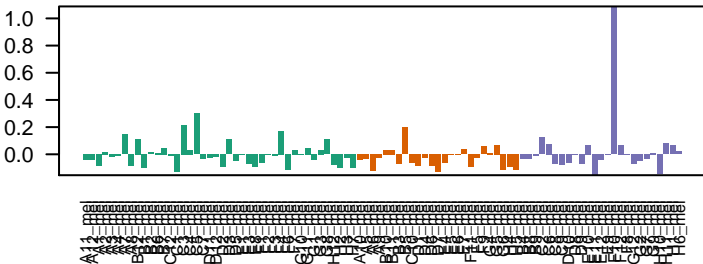
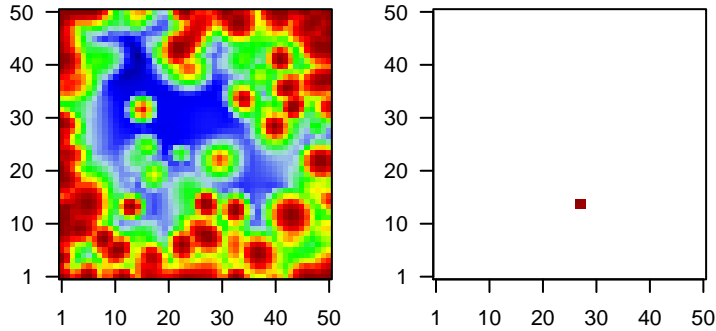
metagenes = 4
genes = 26

<r> metagenes = 0.99
<r> genes = 0.23
beta: r2= 0.4 / log p= -10.74

samples with spot = 4 (4.3 %)
MSC1 : 2 (4.8 %)
MSC2 : 1 (4 %)
MSC3 : 1 (4 %)

Overview Map

Spot

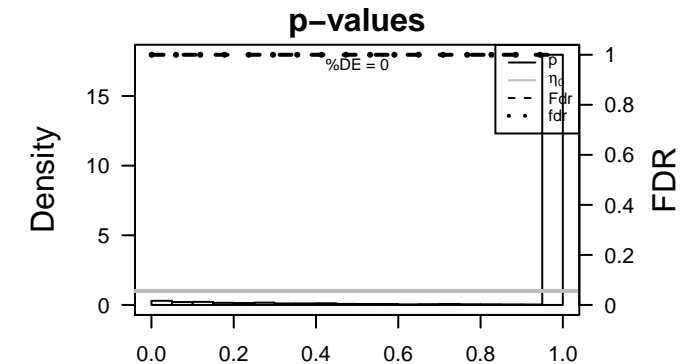


Spot Genelist

Rank	ID	max e	r	min e	Description
1	TMEM135	2.05	-0.37	0.32	TMEM135transmembrane protein 135 [Source:HGNC Symbol;Acc:HGNC:10813]
2	GDA	1.99	-0.03	0.68	GDA guanine deaminase [Source:HGNC Symbol;Acc:HGNC:4212]
3	OR52H1	1.86	-0.02	0.69	OR52H1 olfactory receptor, family 52, subfamily H, member 1 [Source:HGNC Symbol;Acc:HGNC:10813]
4	CELF4	1.57	-0.07	0.37	CELF4 CUGBP, Elav-like family member 4 [Source:HGNC Symbol;Acc:HGNC:10813]
5	RRP9	1.51	-0.53	0.26	RRP9 ribosomal RNA processing 9, small subunit (SSU) processor 9 [Source:HGNC Symbol;Acc:HGNC:10813]
6	LIMK2	1.5	-0.23	0.31	LIMK2 LIM domain kinase 2 [Source:HGNC Symbol;Acc:HGNC:661]
7	FAM212A	1.5	-0.03	0.53	FAM212Afamily with sequence similarity 212, member A [Source:HGNC Symbol;Acc:HGNC:10813]
8	NID2	1.47	-0.09	0.34	NID2 nidogen 2 (osteonidogen) [Source:HGNC Symbol;Acc:HGNC:10813]
9	ZNF41	1.45	-0.16	0.25	ZNF41 zinc finger protein 41 [Source:HGNC Symbol;Acc:HGNC:131]
10	EML2	1.41	-0.1	0.42	EML2 echinoderm microtubule associated protein like 2 [Source:HGNC Symbol;Acc:HGNC:10813]
11	CDON	1.39	-0.12	0.45	CDON cell adhesion associated, oncogene regulated [Source:HGNC Symbol;Acc:HGNC:10813]
12	CDRT4	1.38	-0.1	0.5	CDRT4 CMT1A duplicated region transcript 4 [Source:HGNC Symbol;Acc:HGNC:10813]
13	KIAA1549L	1.31	-0.21	0.33	KIAA1549LKIAA1549-like [Source:HGNC Symbol;Acc:HGNC:24836]
14	SLC51A	1.3	-0.09	0.31	SLC51A solute carrier family 51, alpha subunit [Source:HGNC Symbol;Acc:HGNC:10813]
15	ARG1	1.25	-0.08	0.65	ARG1 arginase 1 [Source:HGNC Symbol;Acc:HGNC:663]
16	C8orf37	1.25	-0.11	0.43	C8orf37 chromosome 8 open reading frame 37 [Source:HGNC Symbol;Acc:HGNC:10813]
17	GCHFR	1.25	-0.09	0.33	GCHFR GTP cyclohydrolase I feedback regulator [Source:HGNC Symbol;Acc:HGNC:10813]
18	CLASP2	1.2	-0.93	0.3	CLASP2 cytoplasmic linker associated protein 2 [Source:HGNC Symbol;Acc:HGNC:10813]
19	PTK7	1.08	-0.1	0.42	PTK7 protein tyrosine kinase 7 (inactive) [Source:HGNC Symbol;Acc:HGNC:10813]
20	TLR5	1.06	-0.04	0.46	TLR5 toll-like receptor 5 [Source:HGNC Symbol;Acc:HGNC:11851]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	2e-04	9 / 1308	GSE/ DODD_NASOPHARYNGEAL_CARINOMA_UP
2	3e-03	2 / 50	GSE/ JAZAG_TGFB1_SIGNALING_VIA_SMAD4_DN
3	4e-03	4 / 371	Colon Lembcke_TCGA_meth_kmeans_F_CIMP_H_UP
4	4e-03	4 / 391	GSE/ MEISSNER_NPC_HCP_WITH_H3K4ME2
5	5e-03	2 / 59	GSE/ GAJATE_RESPONSE_TO TRABECTEDIN_UP
6	5e-03	2 / 61	GSE/ COATES_MACROPHAGE_M1_VS_M2_DN
7	6e-03	2 / 66	GSE/ LINDVALL_IMMORTALIZED_BY_TERT_DN
8	8e-03	2 / 75	BP cellular response to lipopolysaccharide
9	8e-03	11 / 2972	Brain Mid_Frontal_Lobe_ReprPC
10	9e-03	2 / 83	GSE/ WESTON_VEGFA_TARGETS
11	1e-02	1 / 6	GSE/ ZIRN_TRETINOIN_RESPONSE_WT1_DN
12	1e-02	2 / 94	MF hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds
13	1e-02	3 / 291	GSE/ ZHOJ_INFLAMMATORY_RESPONSE_LPS_UP
14	2e-02	1 / 9	GSE/ REACTOME_PURINE_CATABOLISM
15	2e-02	1 / 10	BP alternative mRNA splicing, via spliceosome
16	2e-02	1 / 10	BP establishment of planar polarity
17	2e-02	1 / 10	MF microtubule plus-end binding
18	2e-02	1 / 10	BP nitrogen cycle metabolic process
19	2e-02	1 / 10	BP purine nucleotide catabolic process
20	2e-02	1 / 10	BP response to vitamin E
21	2e-02	1 / 10	MF ubiquitin-ubiquitin ligase activity
22	2e-02	1 / 10	BP urea cycle
23	2e-02	3 / 317	GSE/ PHONG_TNF_RESPONSE_NOT_VIA_P38
24	2e-02	1 / 11	BP activation of innate immune response
25	2e-02	1 / 11	BP cell fate specification
26	2e-02	1 / 11	BP planar cell polarity pathway involved in neural tube closure
27	2e-02	1 / 11	BP positive regulation of mRNA splicing, via spliceosome
28	2e-02	1 / 11	BP response to amine
29	2e-02	1 / 11	BP response to methylmercury
30	2e-02	1 / 11	GSE/ REACTOME_TETRAHYDROBIOPTERIN_BH4_SYNTHESIS_RECYCLING
31	2e-02	1 / 11	GSE/ BOYVAULT_LIVER_CANCER_SUBCLASS_G12_DN
32	2e-02	2 / 123	MF nucleotidyltransferase activity
33	2e-02	1 / 12	BP cyclic nucleotide biosynthetic process
34	2e-02	1 / 12	MF MAP kinase tyrosine/serine/threonine phosphatase activity
35	2e-02	1 / 12	BP microtubule anchoring
36	2e-02	1 / 12	BP regulation of microtubule-based process
37	2e-02	1 / 12	BP striated muscle cell differentiation
38	2e-02	1 / 12	GSE/ NIKOLSKY_BREAST_CANCER_14Q22_AMPICON
39	2e-02	3 / 342	GSE/ SCHAEFFER_PROSTATE_DEVELOPMENT_48HR_DN
40	2e-02	1 / 13	BP embryonic morphogenesis



Overexpression Spots

Spot Summary: L1

metagenes = 4
genes = 78

<r> metagenes = 0.99
<r> genes = 0.39
beta: r2= 0.4 / log p= -10.87

samples with spot = 1 (1.1 %)
MSC3 : 1 (4 %)

Spot Genelist

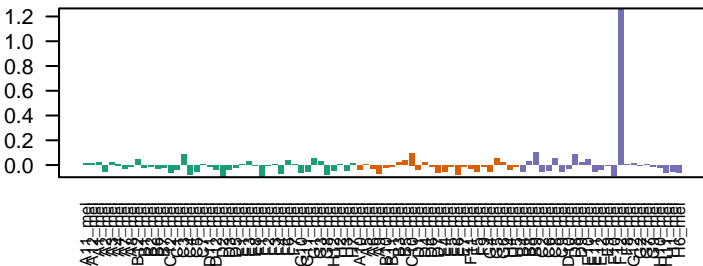
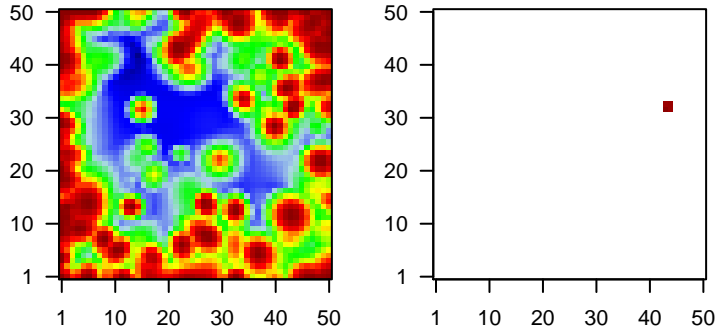
Rank	ID	max e	r	min e	Description
1	GSG1L	1.94	-0.03	0.75	GSG1L GSG1-like [Source:HGNC Symbol;Acc:HGNC:28283]
2	CD33	1.91	-0.17	0.46	CD33 CD33 molecule [Source:HGNC Symbol;Acc:HGNC:1659]
3	OR10A2	1.85	-0.02	0.78	OR10A2 olfactory receptor, family 10, subfamily A, member 2 [Source:HGNC Symbol;Acc:HGNC:28283]
4	ALOX12B	1.84	-0.08	0.66	ALOX12B arachidonate 12-lipoxygenase, 12R type [Source:HGNC Symbol;Acc:HGNC:1659]
5	KLRG1	1.83	-0.25	0.3	KLRG1 killer cell lectin-like receptor subfamily G, member 1 [Source:HGNC Symbol;Acc:HGNC:1659]
6	THSD7A	1.8	-0.15	0.46	THSD7A thrombospondin, type I, domain containing 7A [Source:HGNC Symbol;Acc:HGNC:1659]
7	PHF11	1.78	-0.21	0.47	PHF11 PHD finger protein 11 [Source:HGNC Symbol;Acc:HGNC:1659]
8	TOX	1.77	-0.11	0.43	TOX thymocyte selection-associated high mobility group box [Source:HGNC Symbol;Acc:HGNC:1659]
9	KLK6	1.74	-0.04	0.58	KLK6 kallikrein-related peptidase 6 [Source:HGNC Symbol;Acc:HGNC:1659]
10	SART1	1.71	-0.29	0.38	SART1 squamous cell carcinoma antigen recognized by T cells [Source:HGNC Symbol;Acc:HGNC:1659]
11	HIST1H4D	1.69	-0.02	0.77	HIST1H4D histone cluster 1, H4d [Source:HGNC Symbol;Acc:HGNC:1659]
12	LARGE	1.67	-0.23	0.26	LARGE large-like-glycosyltransferase [Source:HGNC Symbol;Acc:HGNC:1659]
13	DNER	1.67	-0.06	0.59	DNER delta/notch-like EGF repeat containing [Source:HGNC Symbol;Acc:HGNC:1659]
14	ZNF69	1.65	-0.19	0.37	ZNF69 zinc finger protein 69 [Source:HGNC Symbol;Acc:HGNC:1659]
15	MX2	1.65	-0.04	0.53	MX2 MX dynamin-like GTPase 2 [Source:HGNC Symbol;Acc:HGNC:1659]
16	MYBPHL	1.64	-0.03	0.64	MYBPHL myosin binding protein H-like [Source:HGNC Symbol;Acc:HGNC:1659]
17	C1orf61	1.62	-0.08	0.5	C1orf61 chromosome 1 open reading frame 61 [Source:HGNC Symbol;Acc:HGNC:1659]
18	RBKS	1.58	-0.08	0.32	RBKS ribokinase [Source:HGNC Symbol;Acc:HGNC:30325]
19	LGI1	1.57	-0.02	0.76	LGI1 leucine-rich, glioma inactivated 1 [Source:HGNC Symbol;Acc:HGNC:1659]
20	AKAP5	1.56	-0.12	0.43	AKAP5 A kinase (PRKA) anchor protein 5 [Source:HGNC Symbol;Acc:HGNC:1659]

Geneset Overrepresentation

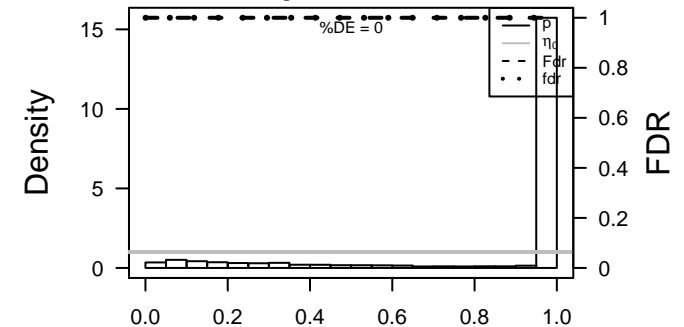
Rank	p-value	#in/all	Geneset
1	4e-05	5 / 72	GSE# RICKMAN_HEAD_AND_NECK_CANCER_A
2	5e-04	8 / 350	Tissue# WIRTH_Nervous System
3	7e-04	2 / 8	GSE# BALLIF_DEVELOPMENTAL_DISABILITY_P16_P12_DELETION
4	1e-03	2 / 9	GSE# KORKOLA_EMBRYONAL_CARCINOMA
5	1e-03	11 / 720	GSE# BENPORATH_ES_WITH_H3K27ME3
6	2e-03	7 / 338	BP G-protein coupled receptor signaling pathway
7	2e-03	14 / 1139	TF HEBENSTREIT_low expression TF
8	3e-03	3 / 52	MF hormone activity
9	3e-03	6 / 269	BP extracellular matrix organization
10	3e-03	2 / 16	MF acetylglucosaminyltransferase activity
11	3e-03	2 / 16	BP ceramide biosynthetic process
12	3e-03	3 / 56	GSE# WONG_ENDMETRIUM_CANCER_DN
13	3e-03	3 / 56	GSE# FURUKAWA_DUSP6_TARGETS_PCI35_UP
14	4e-03	14 / 1207	Brain Overlap_fetal_midbrain_TssF
15	4e-03	4 / 124	GSE# TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_16D_UP
16	4e-03	4 / 125	BP growth
17	4e-03	10 / 724	GSE# BENPORATH_EED_TARGETS
18	5e-03	2 / 20	GSE# PID_GLYPICAN_1PATHWAY
19	5e-03	2 / 20	GSE# FARMER_BREAST_CANCER_CLUSTER_1
20	5e-03	6 / 300	GSE# REACTOME_GPCR_DOWNSTREAM_SIGNALING
21	5e-03	3 / 67	GSE# THEILGAARD_NEUTROPHIL_AT_SKIN_WOUND_UP
22	6e-03	5 / 217	MF G-protein coupled receptor activity
23	6e-03	7 / 410	GSE# LIM_MAMMARY_STEM_CELL_UP
24	6e-03	4 / 138	GSE# DURAND_STROMA_NS_UP
25	6e-03	12 / 1013	Brain Fetal_TssP
26	6e-03	2 / 23	BP eye development
27	6e-03	2 / 23	GSE# REACTOME_OLFACTORY_SIGNALING_PATHWAY
28	7e-03	8 / 530	MF calcium ion binding
29	7e-03	2 / 24	GSE# WEBER_METHYLATED_HCP_IN_FIBROBLAST_DN
30	7e-03	4 / 147	GSE# CAIRO_LIVER_DEVELOPMENT_UP
31	8e-03	4 / 150	GSE# TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP
32	8e-03	18 / 1889	Color ReprPCWk_Colon
33	8e-03	2 / 26	BP detection of chemical stimulus involved in sensory perception of smell
34	8e-03	2 / 26	BP excretion
35	8e-03	2 / 26	MF olfactory receptor activity
36	9e-03	25 / 2984	CC integral component of membrane
37	9e-03	6 / 342	GSE# SCHAEFFER_PROSTATE_DEVELOPMENT_48HR_DN
38	9e-03	4 / 157	GSE# OKUMURA_INFLAMMATORY_RESPONSE_LPS
39	9e-03	2 / 28	BP sperm motility
40	9e-03	2 / 28	GSE# NEWMAN_ERCC6_TARGETS_DN

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: M1

metagenes = 12
genes = 120

<r> metagenes = 0.96
<r> genes = 0.09
beta: r2= 1.25 / log p= -Inf

samples with spot = 10 (10.9 %)

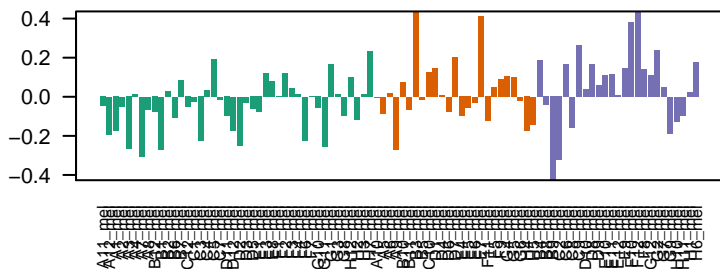
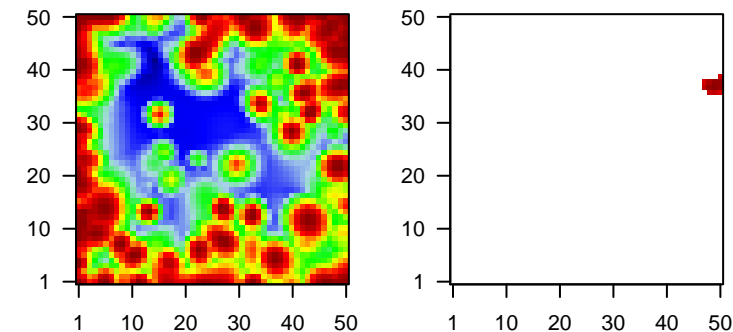
MSC1 : 2 (4.8 %)

MSC2 : 3 (12 %)

MSC3 : 5 (20 %)

Overview Map

Spot

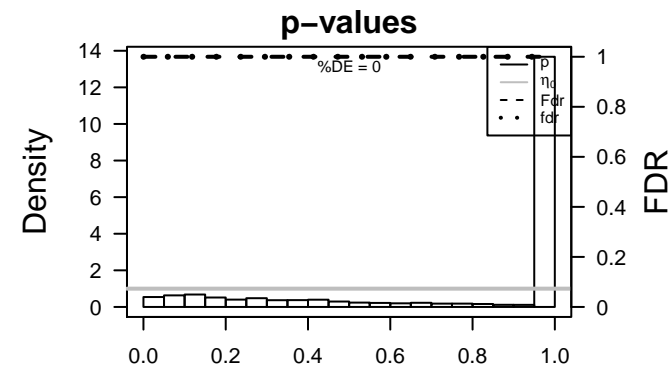


Spot Genelist

Rank	ID	max e	r	min e	Description
1	P2RX7	2.1	-0.56	0.41	P2RX7 purinergic receptor P2X, ligand gated ion channel, 7 [Source:
2	ZNF35	1.72	-0.24	0.27	ZNF35 zinc finger protein 35 [Source:HGNC Symbol;Acc:HGNC:130
3	CAPS2	1.67	-0.27	0.3	CAPS2 calyphosine 2 [Source:HGNC Symbol;Acc:HGNC:16471]
4	SLC26A6	1.63	-0.39	0.28	SLC26A6solute carrier family 26 (anion exchanger), member 6 [Source
5	RNF217	1.62	-0.31	0.24	RNF217 ring finger protein 217 [Source:HGNC Symbol;Acc:HGNC:21
6	SEC61A2	1.62	-0.43	0.21	SEC61A2Sec61 alpha 2 subunit (S. cerevisiae) [Source:HGNC Symbol
7	FBXO32	1.62	-0.54	0.35	FBXO32 F-box protein 32 [Source:HGNC Symbol;Acc:HGNC:16731]
8	ATP10D	1.61	-0.52	0.4	ATP10D ATPase, class V, type 10D [Source:HGNC Symbol;Acc:HGNC
9	ZFC3H1	1.61	-0.58	0.29	ZFC3H1 zinc finger, C3H1-type containing [Source:HGNC Symbol;Ac
10	ZNF75A	1.6	-0.61	0.35	ZNF75A zinc finger protein 75a [Source:HGNC Symbol;Acc:HGNC:13
11	GLS2	1.59	-0.14	0.29	GLS2 glutaminase 2 (liver, mitochondrial) [Source:HGNC Symbol;A
12	KPNA5	1.56	-0.35	0.26	KPNA5 karyopherin alpha 5 (importin alpha 6) [Source:HGNC Symbc
13	YBX3	1.54	-0.25	0.31	YBX3 Y box binding protein 3 [Source:HGNC Symbol;Acc:HGNC:2
14	KHDRBS3	1.53	-0.72	0.3	KHDRBS3KH domain containing, RNA binding, signal transduction assc
15	PROCR	1.53	-0.13	0.43	PROCR protein C receptor, endothelial [Source:HGNC Symbol;Acc:H
16	RUFY3	1.52	-0.78	0.43	RUFY3 RUN and FYVE domain containing 3 [Source:HGNC Symbol;
17	PDK3	1.52	-0.47	0.39	PDK3 pyruvate dehydrogenase kinase, isozyme 3 [Source:HGNC S
18	MYOM1	1.51	-0.07	0.36	MYOM1 myomesin 1 [Source:HGNC Symbol;Acc:HGNC:7613]
19	TMEM173	1.5	-0.52	0.25	TMEM173transmembrane protein 173 [Source:HGNC Symbol;Acc:HGN
20	NRIP3	1.5	-0.33	0.32	NRIP3 nuclear receptor interacting protein 3 [Source:HGNC Symbol;

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	3e-07	83 / 6929	Lymph HOPP_Txn_elongation
2	3e-07	101 / 9482	Colon TssA_Colon
3	3e-07	75 / 5940	Brain Overlap_fetal_midbrain_HetRpts
4	5e-06	85 / 7592	Lymph HOPP_Active_promoter
5	1e-05	81 / 7209	Lymph HOPP_Weak_promoter
6	5e-05	95 / 9330	Brain Overlap_fetal_midbrain_ReprPC
7	7e-05	17 / 729	GSE/ GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBICIN_DN
8	9e-05	92 / 9020	Brain Overlap_fetal_midbrain_ReprPCWk
9	1e-04	25 / 1418	TF ICGC_Ets1_targets
10	2e-04	88 / 8580	Colon TxWk_Colon
11	2e-04	91 / 9027	Colon Tx_Colon
12	2e-04	13 / 510	GSE/ FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_OK_VS_DONOR_UP
13	3e-04	86 / 8415	Colon Quies3_Colon
14	5e-04	4 / 47	GSE/ KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING_PATHWAY
15	6e-04	8 / 236	GSE/ KOYAMA_SEMA3B_TARGETS_UP
16	7e-04	59 / 5184	Lymph HOPP_Txn_transition
17	7e-04	93 / 9528	Brain Overlap_fetal_midbrain_Quies
18	1e-03	3 / 27	BP histone H4 acetylation
19	1e-03	22 / 1383	TF ICGC_Six5_targets
20	2e-03	88 / 9013	Brain Overlap_fetal_midbrain_K9K27me3
21	2e-03	4 / 67	BP microtubule cytoskeleton organization
22	2e-03	3 / 33	GSE/ KEGG_CYTOSOLIC_DNA_SENSING_PATHWAY
23	2e-03	60 / 5538	Lymph HOPP_Weak_txn
24	3e-03	4 / 72	BP response to organic substance
25	3e-03	3 / 35	GSE/ KEGG_SNARE_INTERACTIONS_IN_VESICULAR_TRANSPORT
26	3e-03	94 / 9988	CC organelle
27	3e-03	2 / 11	BP activation of innate immune response
28	4e-03	24 / 1693	GSE/ GRAESSMANN_APOPTOSIS_BY_DOXORUBICIN_DN
29	4e-03	9 / 385	GSE/ REN_ALVEOLAR_RHABDOMYOSARCOMA_DN
30	4e-03	20 / 1314	TF ICGC_Usf1_targets
31	4e-03	8 / 316	MF protein kinase binding
32	4e-03	2 / 12	BP histone H2A acetylation
33	4e-03	2 / 12	BP regulation of release of sequestered calcium ion into cytosol
34	4e-03	6 / 188	BP regulation of apoptotic process
35	5e-03	2 / 13	miRN hsa-miR-574-3p
36	5e-03	3 / 43	BP neurotransmitter secretion
37	5e-03	11 / 555	GSE/ SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_DN
38	5e-03	28 / 2136	TF ICGC_GabpPcr2_targets
39	5e-03	6 / 198	miRN hsa-miR-448
40	5e-03	6 / 199	GSE/ RAMALHO_STEMNESS_UP



Overexpression Spots

Spot Summary: N1

metagenes = 6
genes = 130

<r> metagenes = 0.89
<r> genes = 0.08
beta: r2= 1.95 / log p= -Inf

samples with spot = 16 (17.4 %)

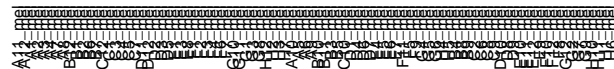
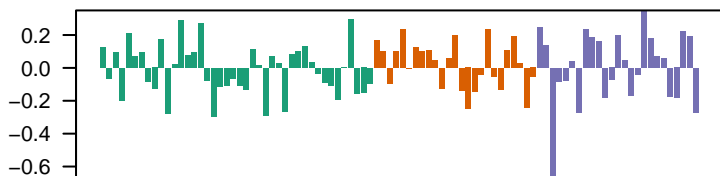
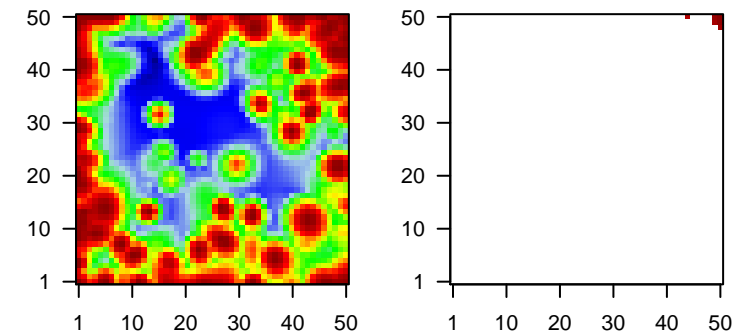
MSC1 : 4 (9.5 %)

MSC2 : 4 (16 %)

MSC3 : 8 (32 %)

Overview Map

Spot

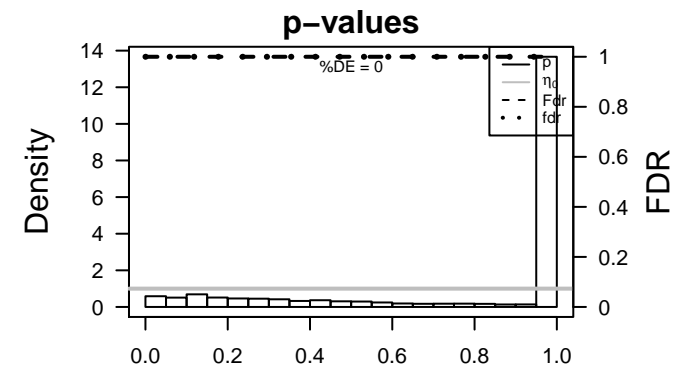


Spot Genelist

Rank	ID	max e	r	min e	Description
1	ITIH3	2.03	-0.28	0.21	ITIH3 inter-alpha-trypsin inhibitor heavy chain 3 [Source:HGNC Sy
2	LUZP6	1.88	-1.03	0.3	LUZP6 leucine zipper protein 6 [Source:HGNC Symbol;Acc:HGNC:3:
3	ZFP62	1.82	-0.44	0.25	ZFP62 ZFP62 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:
4	C1orf109	1.77	-0.59	0.29	C1orf109chromosome 1 open reading frame 109 [Source:HGNC Symt
5	AP4M1	1.75	-0.28	0.24	AP4M1 adaptor-related protein complex 4, mu 1 subunit [Source:HGI
6	UGP2	1.7	-1.72	0.24	UGP2 UDP-glucose pyrophosphorylase 2 [Source:HGNC Symbol;A
7	NLRC5	1.7	-0.18	0.25	NLRC5 NLR family, CARD domain containing 5 [Source:HGNC Symb
8	SRXN1	1.67	-0.81	0.3	SRXN1 sulfiredoxin 1 [Source:HGNC Symbol;Acc:HGNC:16132]
9	ICA1	1.66	-0.29	0.3	ICA1 islet cell autoantigen 1, 69kDa [Source:HGNC Symbol;Acc:HI
10	RFT1	1.6	-0.52	0.29	RFT1 RFT1 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:HK
11	IMMP2L	1.59	-0.86	0.29	IMMP2L IMP2 inner mitochondrial membrane peptidase-like (S. cerev
12	SPATA20	1.59	-0.29	0.29	SPATA20 spermatogenesis associated 20 [Source:HGNC Symbol;Acc:I
13	LETMD1	1.52	-0.56	0.19	LETMD1 LETM1 domain containing 1 [Source:HGNC Symbol;Acc:HGI
14	ASL	1.51	-0.56	0.28	ASL argininosuccinate lyase [Source:HGNC Symbol;Acc:HGNC:7:
15	TRAPPC8	1.51	-0.98	0.27	TRAPPC8trafficking protein particle complex 8 [Source:HGNC Symbol;A
16	TMEM143	1.49	-0.18	0.36	TMEM143transmembrane protein 143 [Source:HGNC Symbol;Acc:HGN
17	MTG2	1.45	-0.44	0.25	MTG2 mitochondrial ribosome-associated GTPase 2 [Source:HGNC
18	ZMYM2	1.44	-0.7	0.41	ZMYM2 zinc finger, MYM-type 2 [Source:HGNC Symbol;Acc:HGNC:1
19	ZNF184	1.43	-0.29	0.27	ZNF184 zinc finger protein 184 [Source:HGNC Symbol;Acc:HGNC:12:
20	TMEM63A	1.42	-0.27	0.25	TMEM63Atransmembrane protein 63A [Source:HGNC Symbol;Acc:HGN

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	3e-09	113 / 9482	Colon TssA_Colon
2	8e-09	109 / 9013	Brain Overlap_fetal_midbrain_K9K27me3
3	9e-08	107 / 9027	Colon Tx_Colon
4	1e-06	107 / 9330	Brain Overlap_fetal_midbrain_ReprPC
5	1e-06	88 / 6929	Lympl HOPP_Txn_elongation
6	2e-06	108 / 9528	Brain Overlap_fetal_midbrain_Quies
7	9e-06	99 / 8580	Colon TxWk_Colon
8	9e-06	96 / 8205	CC cytoplasm
9	9e-06	91 / 7592	Lympl HOPP_Active_promoter
10	3e-05	25 / 1171	TF KIM_MYC targets
11	4e-05	24 / 1126	GSE/ BLALOCK_ALZHEIMERS_DISEASE_DN
12	8e-05	43 / 2798	Colon TxEnhG1_Colon
13	9e-05	13 / 424	GSE/ MILI_PSEUDOPODIA_CHEMOTAXIS_DN
14	1e-04	13 / 435	GSE/ GARY_CD5_TARGETS_UP
15	1e-04	66 / 5155	Colon EnhWk1_Colon
16	1e-04	27 / 1468	CC mitochondrion
17	3e-04	3 / 15	CC BLOC-1 complex
18	3e-04	3 / 15	BP nucleoside metabolic process
19	3e-04	103 / 9653	Colon Enh_Colon
20	3e-04	13 / 478	GSE/ STARK_PREFRONTAL_CORTEX_22Q11_DELETION_DN
21	4e-04	8 / 200	GSE/ LINSLEY_MIR16_TARGETS
22	5e-04	20 / 1008	GSE/ BRUINS_UVC_RESPONSE_LATE
23	5e-04	71 / 5940	Brain Overlap_fetal_midbrain_HetRpts
24	6e-04	82 / 7203	Colon TssF_Colon
25	6e-04	82 / 7209	Lympl HOPP_Weak_promoter
26	7e-04	9 / 274	miRN hsa-miR-1244
27	1e-03	33 / 2193	CC extracellular exosome
28	1e-03	15 / 689	Chr Chr 7
29	1e-03	4 / 52	miRN hsa-miR-345
30	2e-03	62 / 5184	Lympl HOPP_Txn_transition
31	2e-03	4 / 60	GSE/ SESTO_RESPONSE_TO_UV_C7
32	2e-03	4 / 62	GSE/ NIKOLSKY_BREAST_CANCER_7Q21_Q22_AMPLICON
33	2e-03	7 / 206	GSE/ SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM4
34	3e-03	14 / 683	GSE/ MARTENS_TRETINOIN_RESPONSE_DN
35	3e-03	3 / 32	GSE/ LEE_CALORIE_RESTRICTION_MUSCLE_UP
36	3e-03	8 / 277	BP translation
37	3e-03	2 / 10	CC WASH complex
38	3e-03	7 / 222	GSE/ CONCANNON_APOPTOSIS_BY_EPOXOMICIN_UP
39	4e-03	2 / 11	BP barbed-end actin filament capping
40	4e-03	4 / 75	miRN hsa-miR-651



Overexpression Spots

Spot Summary: O1

metagenes = 6
genes = 148

<r> metagenes = 0.99
<r> genes = 0.29
beta: r2= 0.75 / log p= -Inf

samples with spot = 1 (1.1 %)
MSC3 : 1 (4 %)

Spot Genelist

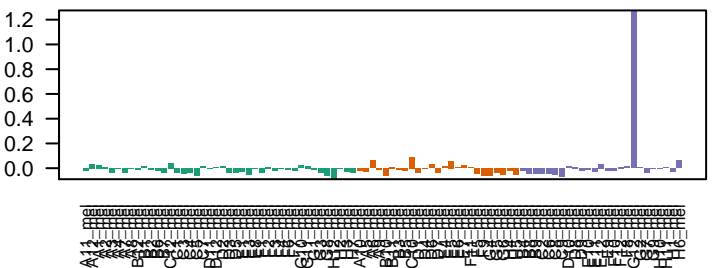
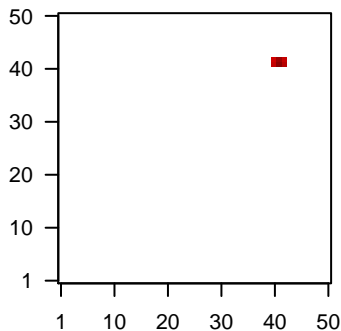
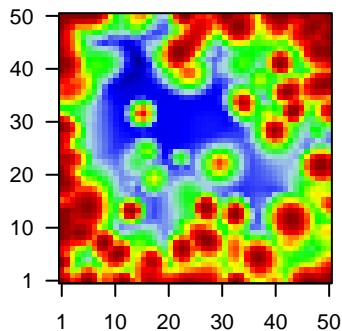
Rank	ID	max e	r	min e	Description
1	PRDM6	2.01	-0.06	0.5	PRDM6 PR domain containing 6 [Source:HGNC Symbol;Acc:HGNC:9
2	ZNF221	1.83	-0.1	0.43	ZNF221 zinc finger protein 221 [Source:HGNC Symbol;Acc:HGNC:13
3	SLC22A1	1.81	-0.09	0.66	SLC22A1olute carrier family 22 (organic cation transporter), member
4	THBS3	1.78	-0.1	0.52	THBS3 thrombospondin 3 [Source:HGNC Symbol;Acc:HGNC:11787]
5	TBC1D19	1.77	-0.25	0.44	TBC1D19BC1 domain family, member 19 [Source:HGNC Symbol;Acc
6	SPTLC3	1.76	-0.07	0.57	SPTLC3 serine palmitoyltransferase, long chain base subunit 3 [Source
7	SLC25A42	1.76	-0.06	0.63	SLC25A4olute carrier family 25, member 42 [Source:HGNC Symbol;A
8	PFKFB4	1.74	-0.13	0.5	PFKFB4 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4 [S
9	PFKP	1.73	-0.4	0.4	PFKP phosphofructokinase, platelet [Source:HGNC Symbol;Acc:HC
10	RNASET2	1.72	-0.12	0.51	RNASET2bonuclease T2 [Source:HGNC Symbol;Acc:HGNC:21686]
11	ZNF34	1.71	-0.21	0.29	ZNF34 zinc finger protein 34 [Source:HGNC Symbol;Acc:HGNC:130
12	HIP1	1.71	-0.31	0.32	HIP1 huntingtin interacting protein 1 [Source:HGNC Symbol;Acc:Hi
13	ZACN	1.7	-0.24	0.45	ZACN zinc activated ligand-gated ion channel [Source:HGNC Symt
14	TLCD1	1.7	-0.09	0.49	TLCD1 TLC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:
15	DEPDC7	1.7	-0.22	0.3	DEPDC7DEP domain containing 7 [Source:HGNC Symbol;Acc:HGNC
16	STAP2	1.7	-0.09	0.64	STAP2 signal transducing adaptor family member 2 [Source:HGNC S
17	PLA2G1B	1.69	-0.02	0.92	PLA2G1Bphospholipase A2, group IB (pancreas) [Source:HGNC Symb
18	GTF2A1L	1.67	-0.02	0.92	GTF2A1lgeneral transcription factor IIA, 1-like [Source:HGNC Symbol
19	ROPN1L	1.67	-0.06	0.55	ROPN1Lrophilin associated tail protein 1-like [Source:HGNC Symbol
20	CDKL3	1.67	-0.29	0.26	CDKL3 cyclin-dependent kinase-like 3 [Source:HGNC Symbol;Acc:Cl

Geneset Overrepresentation

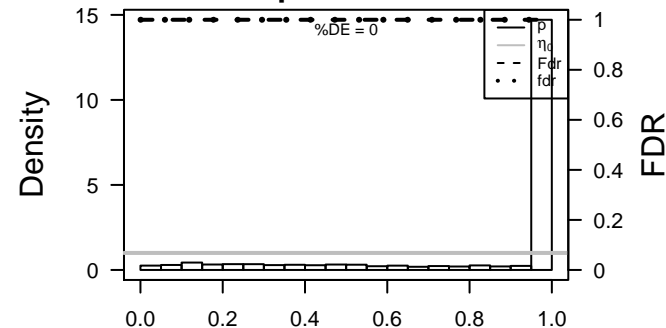
Rank	p-value	#in/all	Geneset
1	2e-04	42 / 2462	Brain Mid_Frontal_Lobe_HetRpts
2	2e-04	35 / 1907	Brain Fetal_TxTrans
3	4e-04	47 / 2972	Brain Mid_Frontal_Lobe_ReprPC
4	7e-04	51 / 3396	Lymph HOPP_Repressed
5	9e-04	9 / 250	Colon K9K27me3_Colon
6	1e-03	4 / 46	MF manganese ion binding
7	2e-03	3 / 27	GSE/ MUELLER_COMMON_TARGETS_OF_AML_FUSIONS_DN
8	2e-03	4 / 57	GSE/ REACTOME_GLYCOSE_METABOLISM
9	3e-03	34 / 2142	Colon ReprPC_Colon
10	3e-03	3 / 30	GSE/ KEGG_FRUCTOSE_AND_MANNULOSE_METABOLISM
11	3e-03	2 / 9	GSE/ HASEGAWA_TUMORIGENESIS_BY_RET_C634R
12	4e-03	5 / 104	GSE/ SENGUPTA_NASOPHARYNGEAL_CARCINOMA_WITH_LMP1_DN
13	4e-03	2 / 10	GSE/ REACTOME_ORGANIC_CATION_ANION_ZWITTERION_TRANSPORT
14	4e-03	4 / 67	GSE/ SCHLESINGER_METHYLATED_DE_NOVO_IN_CANCER
15	5e-03	3 / 34	BP cellular response to glucose stimulus
16	5e-03	31 / 1949	Brain Fetal_TssF
17	5e-03	10 / 383	Brain Fetal_Tx
18	5e-03	4 / 69	Glio GIEZELT_GBM_STSwt_vs_LTSwt
19	5e-03	4 / 70	GSE/ TANAKA_METHYLATED_IN_ESOPHAGEAL_CARCINOMA
20	6e-03	30 / 1889	Colon ReprPCWk_Colon
21	6e-03	3 / 37	GSE/ ROSS_AML_WITH_CBFB_MYH11_FUSION
22	6e-03	2 / 12	CC basal part of cell
23	6e-03	2 / 12	BP embryonic digestive tract morphogenesis
24	7e-03	2 / 13	BP embryonic morphogenesis
25	7e-03	2 / 13	BP positive regulation of chondrocyte differentiation
26	7e-03	2 / 13	GSE/ PID_CONE_PATHWAY
27	7e-03	3 / 40	GSE/ ELLWOOD_MYC_TARGETS_DN
28	8e-03	3 / 41	BP positive regulation of MAP kinase activity
29	8e-03	33 / 2188	Lymph HOPP_Poised_promoter
30	8e-03	2 / 14	BP drug transmembrane transport
31	8e-03	2 / 14	GSE/ PID_RHODOPSIN_PATHWAY
32	9e-03	6 / 180	GSE/ COLDREN_GEFITINIB_RESISTANCE_DN
33	1e-02	5 / 133	GSE/ ZHANG_BREAST_CANCER_PROGENITORS_DN
34	1e-02	3 / 47	GSE/ WATTEL_AUTONOMOUS_THYROID_ADENOMA_DN
35	1e-02	3 / 47	GSE/ KIM_BIPOLAR_DISORDER_OLIGODENDROCYTE_DENSITY_CORR_DN
36	1e-02	16 / 884	Brain Overlap_fetal_midbrain_EnhG
37	1e-02	3 / 52	CC secretory granule
38	1e-02	2 / 19	CC ciliary base
39	1e-02	2 / 19	MF ion transmembrane transporter activity
40	2e-02	4 / 96	GSE/ XU_GH1_EXOGENOUS_TARGETS_DN

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: P1

metagenes = 2
genes = 36

<r> metagenes = 0.99

<r> genes = 0.56

beta: r2= 0.05 / log p= -1.53

samples with spot = 1 (1.1 %)

MSC3 : 1 (4 %)

Spot Genelist

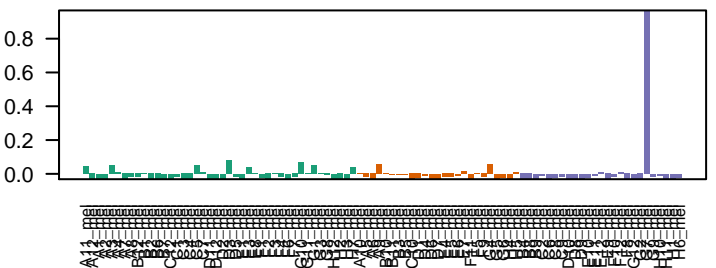
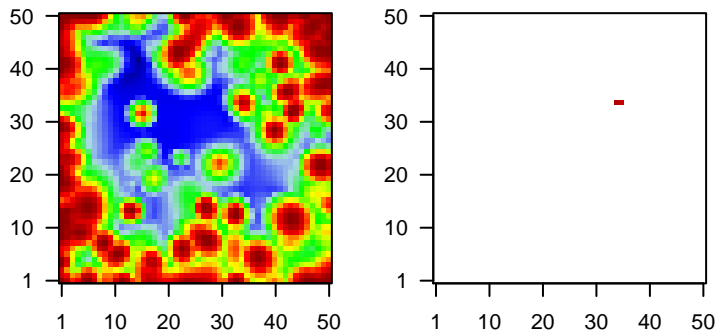
Rank	ID	max e	r	min e	Description
					Symbol
1	HIST3H3	1.77	-0.04	0.57	HIST3H3histone cluster 3, H3 [Source:HGNC Symbol;Acc:HGNC:4776]
2	EBLN2	1.67	-0.1	0.33	EBLN2 endogenous Bornavirus-like nucleoprotein 2 [Source:HGNC
3	MAGEA3	1.66	-0.03	0.64	MAGEA3melanoma antigen family A3 [Source:HGNC Symbol;Acc:HGI
4	HECW2	1.53	-0.02	0.78	HECW2 HECT, C2 and WW domain containing E3 ubiquitin protein lig
5	C9orf153	1.47	-0.04	0.7	C9orf153chromosome 9 open reading frame 153 [Source:HGNC Symt
6	JAKMIP2	1.47	-0.07	0.33	JAKMIP2janus kinase and microtubule interacting protein 2 [Source:HC
7	PYGM	1.43	-0.02	0.79	PYGM phosphorylase, glycogen, muscle [Source:HGNC Symbol;Acc
8	MGST1	1.42	-0.04	0.57	MGST1 microsomal glutathione S-transferase 1 [Source:HGNC Symt
9	TRPM8	1.39	-0.08	0.51	TRPM8 transient receptor potential cation channel, subfamily M, merr
10	PEX11G	1.29	-0.02	0.79	PEX11G peroxisomal biogenesis factor 11 gamma [Source:HGNC Syn
11	CXorf65	1.27	-0.04	0.43	CXorf65 chromosome X open reading frame 65 [Source:HGNC Symb
12	SUSD4	1.24	-0.04	0.43	SUSD4 sushi domain containing 4 [Source:HGNC Symbol;Acc:HGNC
13	PRPH	1.24	-0.02	0.8	PRPH peripherin [Source:HGNC Symbol;Acc:HGNC:9461]
14	MAGEA6	1.21	-0.03	0.81	MAGEA6melanoma antigen family A6 [Source:HGNC Symbol;Acc:HGI
15	OR1411	1.2	-0.03	0.59	OR1411 olfactory receptor, family 14, subfamily I, member 1 [Source:+
16	SCCPDH	1.18	-0.02	0.41	SCCPDHsaccharopine dehydrogenase (putative) [Source:HGNC Symt
17	ZNF792	1.11	-0.04	0.51	ZNF792 zinc finger protein 792 [Source:HGNC Symbol;Acc:HGNC:24
18	PIK3AP1	1.09	-0.02	0.77	PIK3AP1phosphoinositide-3-kinase adaptor protein 1 [Source:HGNC
19	HIST1H2AK	1.08	-0.03	0.58	HIST1H2Ahistone cluster 1, H2ak [Source:HGNC Symbol;Acc:HGNC:47
20	SEPT3	1.08	-0.04	0.38	SEPT3 septin 3 [Source:HGNC Symbol;Acc:HGNC:10750]

Geneset Overrepresentation

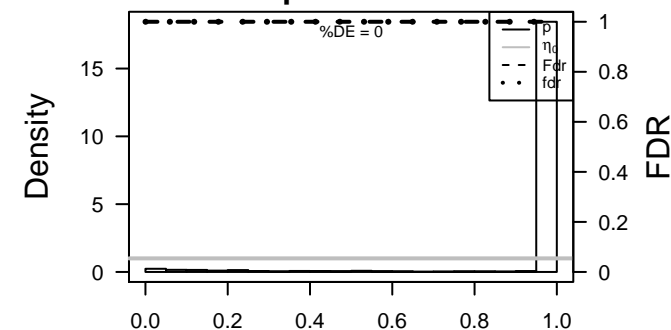
Rank	p-value	#in/all	Geneset
1	5e-05	15 / 2159	Colon TssP_Colon
2	6e-04	2 / 15	BP protein homotrimerization
3	6e-04	2 / 15	GSE/ MATTIOLI_MULTIPLE_MYELOMA_SUBGROUPS
4	7e-04	10 / 1317	Colon EnhP_Colon
5	8e-04	3 / 79	CC nucleosome
6	9e-04	7 / 686	Brain Overlap_fetal_midbrain_TssA
7	1e-03	2 / 22	GSE/ HOFMANN_MYELODYSPLASTIC_SYNDROM_RISK_UP
8	2e-03	3 / 97	GSE/ KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS
9	2e-03	3 / 98	GSE/ CERVERA_SDHB_TARGETS_1_UP
10	2e-03	3 / 104	GSE/ SENGUPTA_NASOPHARYNGEAL_CARCINOMA_WITH_LMP1_DN
11	2e-03	2 / 28	GSE/ HOFMANN_MYELODYSPLASTIC_SYNDROM_LOW_RISK_DN
12	2e-03	5 / 391	GSE/ MEISSNER_NPC_HCP_WITH_H3K4ME2
13	2e-03	5 / 400	GSE/ HELLER_HDAC_TARGETS_SILENCED_BY_METHYLATION_UP
14	2e-03	16 / 3396	Lymph HOPP_Repressed
15	3e-03	2 / 32	CC nuclear nucleosome
16	3e-03	2 / 32	BP protein heterotetramerization
17	3e-03	12 / 2142	Color ReprPC_Colon
18	4e-03	2 / 40	GSE/ JAEGER_METASTASIS_UP
19	5e-03	2 / 43	GSE/ YU_MYC_TARGETS_DN
20	5e-03	2 / 45	GSE/ ZHAN_MULTIPLE_MYELOMA_PR_UP
21	6e-03	2 / 48	Cancor KUIPER_MM_poor_survival
22	6e-03	4 / 312	GSE/ MIKKELSEN_MEF_HCP_WITH_H3K27ME3
23	7e-03	1 / 3	GSE/ BAFNA_MUC4_TARGETS_DN
24	8e-03	2 / 58	BP cellular calcium ion homeostasis
25	9e-03	2 / 62	GSE/ SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELETION_UP
26	1e-02	5 / 574	Brain Overlap_fetal_midbrain_TssP
27	1e-02	2 / 67	GSE/ HILLION_HMGA1B_TARGETS
28	1e-02	3 / 197	GSE/ BENPORATH_MYC_TARGETS_WITH_EBOX
29	1e-02	4 / 373	MF protein heterodimerization activity
30	1e-02	1 / 5	GSE/ CHOI_ATL_ACUTE_STAGE
31	1e-02	2 / 72	GSE/ REACTOME_MEIOTIC_RECOMBINATION
32	2e-02	2 / 82	GSE/ NAKAYAMA_SOFT_TISSUE_TUMORS_PCA2_UP
33	2e-02	1 / 8	Color Marisa_CRC-C1
34	2e-02	1 / 8	Color Marisa_CRC-C2
35	2e-02	1 / 8	GSE/ BIOCARTA_FEEDER_PATHWAY
36	2e-02	3 / 250	Color K9K27me3_Colon
37	2e-02	1 / 9	GSE/ REACTOME_ROLE_OF_DCC_IN_REGULATING_APOPTOSIS
38	2e-02	1 / 9	GSE/ VANDESLUIS_COMMD1_TARGETS_GROUP_4_DN
39	2e-02	2 / 100	Glio WILLSCHER_GBM_Verhaak-PN (mut&wt)_up_(MES&CL down)
40	2e-02	2 / 100	GSE/ REACTOME_MEIOSIS

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: Q1

metagenes = 13
genes = 95

<r> metagenes = 0.93
<r> genes = 0.12
beta: r2= 0.93 / log p= -Inf

samples with spot = 9 (9.8 %)

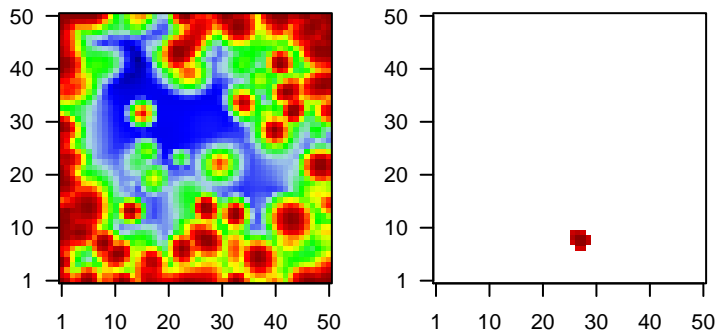
MSC1 : 4 (9.5 %)

MSC2 : 1 (4 %)

MSC3 : 4 (16 %)

Overview Map

Spot

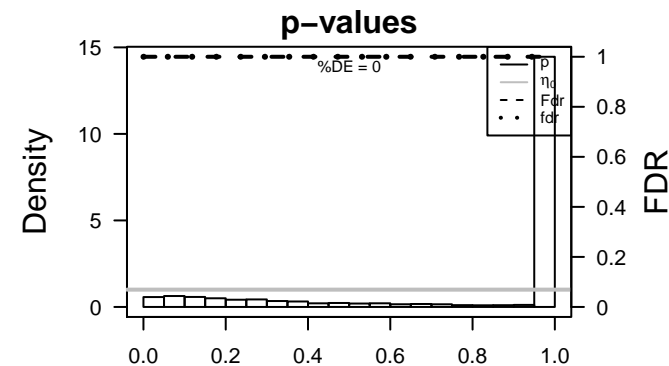
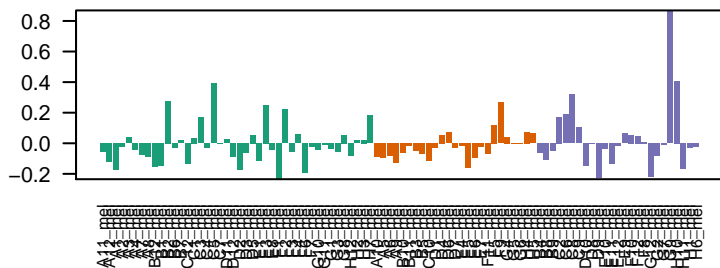


Spot Genelist

Rank	ID	max e	r	min e	Description
1	CEBPZOS	2.03	-0.32	0.44	CEBPZOS CEBPZ opposite strand [Source:HGNC Symbol;Acc:HGNC:4
2	PTPLA	1.83	-0.81	0.36	
3	CRYBA1	1.75	-0.08	0.38	CRYBA1 crystallin, beta A1 [Source:HGNC Symbol;Acc:HGNC:2394]
4	STX19	1.74	-0.05	0.44	STX19 syntaxin 19 [Source:HGNC Symbol;Acc:HGNC:19300]
5	MED17	1.72	-0.38	0.47	MED17 mediator complex subunit 17 [Source:HGNC Symbol;Acc:HG
6	DNAJC25-GN	1.69	-0.22	0.44	DNAJC25-DNAJC5-GNG10 readthrough [Source:HGNC Symbol;Acc:I
7	BBS7	1.69	-0.86	0.24	BBS7 Bardet-Biedl syndrome 7 [Source:HGNC Symbol;Acc:HGNC
8	ZNF436	1.67	-0.09	0.31	ZNF436 zinc finger protein 436 [Source:HGNC Symbol;Acc:HGNC:20
9	TAF1	1.65	-0.46	0.2	TAF1 TAF1 RNA polymerase II, TATA box binding protein (TBP)-as
10	UBE2Q1	1.64	-1.07	0.23	UBE2Q1 ubiquitin-conjugating enzyme E2Q family member 1 [Source:
11	STON1-GTF2	1.64	-0.1	0.44	STON1-STON1-GTF2A1L readthrough [Source:HGNC Symbol;Acc:I
12	CDK17	1.63	-0.39	0.23	CDK17 cyclin-dependent kinase 17 [Source:HGNC Symbol;Acc:HG
13	TIAM2	1.62	-0.27	0.38	TIAM2 T-cell lymphoma invasion and metastasis 2 [Source:HGNC S
14	NFS1	1.6	-0.79	0.35	NFS1 NFS1 cysteine desulfurase [Source:HGNC Symbol;Acc:HGNC
15	OGN	1.59	-0.17	0.36	OGN osteoglycin [Source:HGNC Symbol;Acc:HGNC:8126]
16	C10orf131	1.59	-0.08	0.42	C10orf131 chromosome 10 open reading frame 131 [Source:HGNC Syrr
17	PMP2	1.57	-0.02	0.53	PMP2 peripheral myelin protein 2 [Source:HGNC Symbol;Acc:HGNC
18	SPPL2A	1.56	-0.76	0.42	SPPL2A signal peptide peptidase like 2A [Source:HGNC Symbol;Acc:I
19	WDR19	1.54	-0.49	0.28	WDR19 WD repeat domain 19 [Source:HGNC Symbol;Acc:HGNC:18:
20	ASAP2	1.53	-0.23	0.24	ASAP2 ArfGAP with SH3 domain, ankyrin repeat and PH domain 2 [S

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	2e-06	76 / 8580	Colon TxWk_Colon
2	4e-06	9 / 196	miRN hsa-miR-9
3	8e-06	65 / 6929	Lymph HOPP_Txn_elongation
4	2e-05	58 / 5940	Brain Overlap_fetal_midbrain_HetRpts
5	2e-05	76 / 9027	Colon Tx_Colon
6	4e-05	12 / 473	GSE# DACOSTA_UV_RESPONSE_VIA_ERCC3_COMMON_DN
7	4e-05	72 / 8415	Colon Quies3_Colon
8	9e-05	51 / 5184	Lymph HOPP_Txn_transition
9	1e-04	11 / 459	miRN hsa-miR-195
10	2e-04	11 / 479	miRN hsa-miR-16
11	2e-04	15 / 833	GSE# DACOSTA_UV_RESPONSE_VIA_ERCC3_DN
12	2e-04	9 / 327	miRN hsa-miR-590-3p
13	3e-04	65 / 7592	Lymph HOPP_Active_promoter
14	3e-04	6 / 143	miRN hsa-miR-338-5p
15	3e-04	8 / 268	miRN hsa-miR-363
16	3e-04	7 / 203	miRN hsa-miR-33a
17	4e-04	10 / 427	GSE# PILON_KLF1_TARGETS_UP
18	5e-04	7 / 217	MF transcription coactivator activity
19	5e-04	4 / 58	GSE# JI_RESPONSE_TO_FSH_DN
20	6e-04	52 / 5693	Lymph HOPP_Weak_enhancer
21	6e-04	11 / 541	miRN hsa-miR-17
22	7e-04	3 / 28	MF ubiquitin conjugating enzyme activity
23	8e-04	10 / 471	miRN hsa-miR-15b
24	9e-04	4 / 67	miRN hsa-miR-1826
25	9e-04	7 / 242	miRN hsa-miR-26b
26	9e-04	29 / 2577	CC nucleoplasm
27	1e-03	61 / 7209	Lymph HOPP_Weak_promoter
28	1e-03	3 / 33	miRN hsa-miR-934
29	1e-03	10 / 507	miRN hsa-miR-15a
30	2e-03	78 / 10290	Color TssWk_Colon
31	2e-03	3 / 40	BP androgen receptor signaling pathway
32	2e-03	8 / 370	miRN hsa-miR-144
33	2e-03	50 / 5696	CC nucleus
34	2e-03	6 / 215	miRN hsa-miR-199a-3p
35	3e-03	5 / 150	miRN hsa-miR-338-3p
36	3e-03	12 / 748	Color Pentrack_CRC_TCGA_corr_R_normal_DN
37	3e-03	7 / 296	miRN hsa-miR-25
38	3e-03	73 / 9482	Color TssA_Colon
39	3e-03	10 / 569	miRN hsa-miR-20b
40	3e-03	5 / 157	miRN hsa-miR-450b-5p



Rank	p-value	#in/all
1	0.000000	131
2	0.000000	131
3	0.000000	131
4	0.000000	131
5	0.000000	131
6	0.000000	131
7	0.000000	131
8	0.000000	131
9	0.000000	131
10	0.000000	131
11	0.000000	131
12	0.000000	131
13	0.000000	131
14	0.000000	131
15	0.000000	131
16	0.000000	131
17	0.000000	131
18	0.000000	131
19	0.000000	131
20	0.000000	131
21	0.000000	131
22	0.000000	131
23	0.000000	131
24	0.000000	131
25	0.000000	131
26	0.000000	131
27	0.000000	131
28	0.000000	131
29	0.000000	131
30	0.000000	131
31	0.000000	131
32	0.000000	131
33	0.000000	131
34	0.000000	131
35	0.000000	131
36	0.000000	131
37	0.000000	131
38	0.000000	131
39	0.000000	131
40	0.000000	131
41	0.000000	131
42	0.000000	131
43	0.000000	131
44	0.000000	131
45	0.000000	131
46	0.000000	131
47	0.000000	131
48	0.000000	131
49	0.000000	131
50	0.000000	131
51	0.000000	131
52	0.000000	131
53	0.000000	131
54	0.000000	131
55	0.000000	131
56	0.000000	131
57	0.000000	131
58	0.000000	131
59	0.000000	131
60	0.000000	131
61	0.000000	131
62	0.000000	131
63	0.000000	131
64	0.000000	131
65	0.000000	131
66	0.000000	131
67	0.000000	131
68	0.000000	131
69	0.000000	131
70	0.000000	131
71	0.000000	131
72	0.000000	131
73	0.000000	131
74	0.000000	131
75	0.000000	131
76	0.000000	131
77	0.000000	131
78	0.000000	131
79	0.000000	131
80	0.000000	131
81	0.000000	131
82	0.000000	131
83	0.000000	131
84	0.000000	131
85	0.000000	131
86	0.000000	131
87	0.000000	131
88	0.000000	131
89	0.000000	131
90	0.000000	131
91	0.000000	131
92	0.000000	131
93	0.000000	131
94	0.000000	131
95	0.000000	131
96	0.000000	131
97	0.000000	131
98	0.000000	131
99	0.000000	131
100	0.000000	131

Geneset
 adding genes meth DOWN
 HORVATH_aging_genes_meth UP
 TESCHENDORFF_age_hypermethylated

Rank	p-value	#in/all
1	0.000000	3
2	0.000000	3
3	0.000000	3
4	0.000000	3
5	0.000000	3
6	0.000000	3
7	0.000000	3
8	0.000000	3
9	0.000000	3
10	0.000000	3
11	0.000000	3
12	0.000000	3
13	0.000000	3
14	0.000000	3
15	0.000000	3
16	0.000000	3
17	0.000000	3
18	0.000000	3
19	0.000000	3
20	0.000000	3
21	0.000000	3
22	0.000000	3
23	0.000000	3
24	0.000000	3
25	0.000000	3
26	0.000000	3
27	0.000000	3
28	0.000000	3
29	0.000000	3
30	0.000000	3
31	0.000000	3
32	0.000000	3
33	0.000000	3
34	0.000000	3
35	0.000000	3
36	0.000000	3
37	0.000000	3
38	0.000000	3
39	0.000000	3
40	0.000000	3
41	0.000000	3
42	0.000000	3
43	0.000000	3
44	0.000000	3
45	0.000000	3
46	0.000000	3
47	0.000000	3
48	0.000000	3
49	0.000000	3
50	0.000000	3
51	0.000000	3
52	0.000000	3
53	0.000000	3
54	0.000000	3
55	0.000000	3
56	0.000000	3
57	0.000000	3
58	0.000000	3
59	0.000000	3
60	0.000000	3
61	0.000000	3
62	0.000000	3
63	0.000000	3
64	0.000000	3
65	0.000000	3
66	0.000000	3
67	0.000000	3
68	0.000000	3
69	0.000000	3
70	0.000000	3
71	0.000000	3
72	0.000000	3
73	0.000000	3
74	0.000000	3
75	0.000000	3
76	0.000000	3
77	0.000000	3
78	0.000000	3
79	0.000000	3
80	0.000000	3
81	0.000000	3
82	0.000000	3
83	0.000000	3
84	0.000000	3
85	0.000000	3
86	0.000000	3
87	0.000000	3
88	0.000000	3
89	0.000000	3
90	0.000000	3
91	0.000000	3
92	0.000000	3
93	0.000000	3
94	0.000000	3
95	0.000000	3
96	0.000000	3
97	0.000000	3
98	0.000000	3
99	0.000000	3
100	0.000000	3

Geneset
 PanCan_Driver_Gene_geneset_nanostring
 SOFTIQUIM_Breast_CANCER_GRADE_1_VS_3_DN
 PanCan_JAR_ST_geneset_nanostring
 LU_Can_Meth_geneset_nanostring
 LU_Can_Meth_CANCER_GENES
 SHAUGHNESSY_MM_high_risk
 PanCan_C400_geneset_nanostring
 PanCan_T1q_geneset_nanostring
 SPANG_CS_meth
 SPANG_Inflammmation
 SPANG_BCL6_index2
 Lemcke_Normalis_META_SIGNATURE
 SIOUXES_UNDIFFERENTIATED_CANCER
 LU_BREAST_CANCER
 LU_PROSTATE_CANCER_DN

Rank	p-value	#in/all
1	0.000000	26
2	0.000000	26
3	0.000000	26
4	0.000000	26
5	0.000000	26
6	0.000000	26
7	0.000000	26
8	0.000000	26
9	0.000000	26
10	0.000000	26
11	0.000000	26
12	0.000000	26
13	0.000000	26
14	0.000000	26
15	0.000000	26
16	0.000000	26
17	0.000000	26
18	0.000000	26
19	0.000000	26
20	0.000000	26
21	0.000000	26
22	0.000000	26
23	0.000000	26
24	0.000000	26
25	0.000000	26
26	0.000000	26
27	0.000000	26
28	0.000000	26
29	0.000000	26
30	0.000000	26
31	0.000000	26
32	0.000000	26
33	0.000000	26
34	0.000000	26
35	0.000000	26
36	0.000000	26
37	0.000000	26
38	0.000000	26
39	0.000000	26
40	0.000000	26
41	0.000000	26
42	0.000000	26
43	0.000000	26
44	0.000000	26
45	0.000000	26
46	0.000000	26
47	0.000000	26
48	0.000000	26
49	0.000000	26
50	0.000000	26
51	0.000000	26
52	0.000000	26
53	0.000000	26
54	0.000000	26
55	0.000000	26
56	0.000000	26
57	0.000000	26
58	0.000000	26
59	0.000000	26
60	0.000000	26
61	0.000000	26
62	0.000000	26
63	0.000000	26
64	0.000000	26
65	0.000000	26
66	0.000000	26
67	0.000000	26
68	0.000000	26
69	0.000000	26
70	0.000000	26
71	0.000000	26
72	0.000000	26
73	0.000000	26
74	0.000000	26
75	0.000000	26
76	0.000000	26
77	0.000000	26
78	0.000000	26
79	0.000000	26
80	0.000000	26
81	0.000000	26
82	0.000000	26
83	0.000000	26
84	0.000000	26
85	0.000000	26
86	0.000000	26
87	0.000000	26
88	0.000000	26
89	0.000000	26
90	0.000000	26
91	0.000000	26
92	0.000000	26
93	0.000000	26
94	0.000000	26
95	0.000000	26
96	0.000000	26
97	0.000000	26
98	0.000000	26
99	0.000000	26
100	0.000000	26

Geneset
 LU_Colon
 Quiesc_Colon
 Tsvik_CRC_TCGA_corr_R_normal_DN
 Pentac CRC_TCGA_group_over_C_normal_DN
 Juehling_MSI_enriched_in_8-to-9
 KIM_Meth_in_EC
 CNA_Mutated_in_CRC_non_hypermethylated
 Vilar_non_hypermethylated_in_CRC
 Pentac_CRC_TCGA_corr_H_mss_up_msi-h_DN
 Herpts_Colon
 Pentac_CRC_TCGA_corr_N_msi-h_DN
 Tsvik_Colon
 Tsvik_Colon
 Tsvik_Colon
 Pentac_CRC_TCGA_corr_C_normal_UP
 Lemcke_TCGA_meth_kmeans_L_CIMP_H_DN
 K9acLow_Colon

Rank	p-value	#in/all
1	0.000000	3
2	0.000000	3
3	0.000000	3
4	0.000000	3
5	0.000000	3
6	0.000000	3
7	0.000000	3
8	0.000000	3
9	0.000000	3
10	0.000000	3
11	0.000000	3
12	0.000000	3
13	0.000000	3
14	0.000000	3
15	0.000000	3
16	0.000000	3
17	0.000000	3
18	0.000000	3
19	0.000000	3
20	0.000000	3
21	0.000000	3
22	0.000000	3
23	0.000000	3
24	0.000000	3
25	0.000000	3
26	0.000000	3
27	0.000000	3
28	0.000000	3
29	0.000000	3
30	0.000000	3
31	0.000000	3
32	0.000000	3
33	0.000000	3
34	0.000000	3
35	0.000000	3
36	0.000000	3
37	0.000000	3
38	0.000000	3
39	0.000000	3
40	0.000000	3
41	0.000000	3
42	0.000000	3
43	0.000000	3
44	0.000000	3
45	0.000000	3
46	0.000000	3
47	0.000000	3
48	0.000000	3
49	0.000000	3
50	0.000000	3
51	0.000000	3
52	0.000000	3
53	0.000000	3
54	0.000000	3
55	0.000000	3
56	0.000000	3
57	0.000000	3
58	0.000000	3
59	0.000000	3
60	0.000000	3
61	0.000000	3
62	0.000000	3</

Overexpression Spots

Spot Summary: R1

metagenes = 7
genes = 116

<r> metagenes = 0.98
<r> genes = 0.26
beta: r2= 0.88 / log p= -Inf

samples with spot = 1 (1.1 %)
MSC3 : 1 (4 %)

Spot Genelist

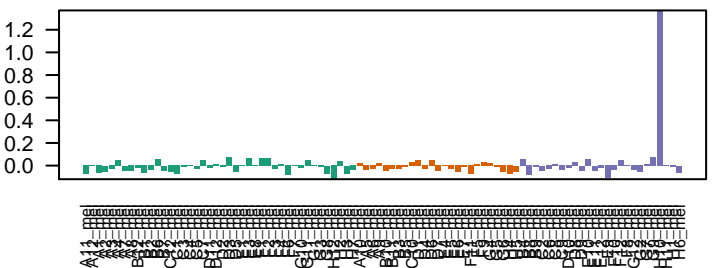
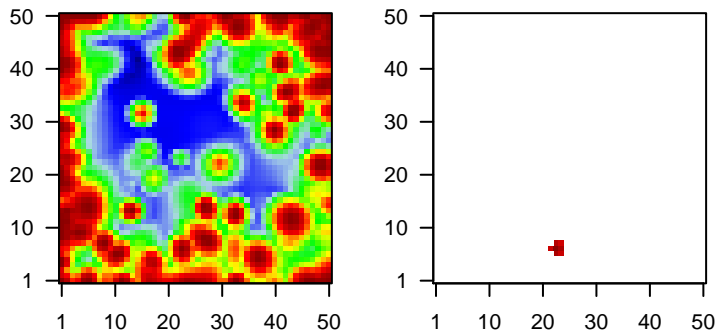
Rank	ID	max e	r	min e	Description
1	MDGA1	2.66	-0.09	0.7	MDGA1 MAM domain containing glycosylphosphatidylinositol anchor
2	UCN	2.09	-0.09	0.57	UCN urocortin [Source:HGNC Symbol;Acc:HGNC:12516]
3	FAM214A	2.08	-0.56	0.27	FAM214A family with sequence similarity 214, member A [Source:HGNC
4	LACE1	1.9	-0.39	0.28	LACE1 lactation elevated 1 [Source:HGNC Symbol;Acc:HGNC:1641
5	BEND7	1.89	-0.18	0.51	BEND7 BEN domain containing 7 [Source:HGNC Symbol;Acc:HGNC
6	MFS9	1.89	-0.22	0.46	MFS9 major facilitator superfamily domain containing 9 [Source:HGI
7	PCOLCE	1.89	-0.09	0.58	PCOLCEprocollagen C-endopeptidase enhancer [Source:HGNC Sym
8	PPP1R3E	1.88	-0.08	0.55	PPP1R3Eprotein phosphatase 1, regulatory subunit 3E [Source:HGNC
9	ZNF625-ZNF	1.87	-0.15	0.35	ZNF625-ZNF205-ZNF20 readthrough (NMD candidate) [Source:HGN
10	GAB3	1.85	-0.1	0.46	GAB3 GRB2-associated binding protein 3 [Source:HGNC Symbol;#
11	LAT	1.85	-0.11	0.49	LAT linker for activation of T cells [Source:HGNC Symbol;Acc:HGI
12	AGO2	1.83	-0.49	0.27	AGO2 argonaute RISC catalytic component 2 [Source:HGNC Symb
13	LRP5L	1.81	-0.12	0.47	LRP5L low density lipoprotein receptor-related protein 5-like [Sourc
14	SOX9	1.79	-0.07	0.66	SOX9 SRY (sex determining region Y)-box 9 [Source:HGNC Symb
15	ENGASE	1.77	-0.15	0.45	ENGASEendo-beta-N-acetylglucosaminidase [Source:HGNC Symb
16	CHAC1	1.75	-0.08	0.65	CHAC1 ChaC glutathione-specific gamma-glutamylcyclotransferase
17	PBX3	1.71	-0.1	0.48	PBX3 pre-B-cell leukemia homeobox 3 [Source:HGNC Symbol;Acc
18	CDK3	1.7	-0.08	0.61	CDK3 cyclin-dependent kinase 3 [Source:HGNC Symbol;Acc:HGNC
19	HYDIN	1.68	-0.04	0.73	HYDIN HYDIN, axonemal central pair apparatus protein [Source:HGI
20	PIM2	1.68	-0.31	0.37	PIM2 Pim-2 proto-oncogene, serine/threonine kinase [Source:HGI

Geneset Overrepresentation

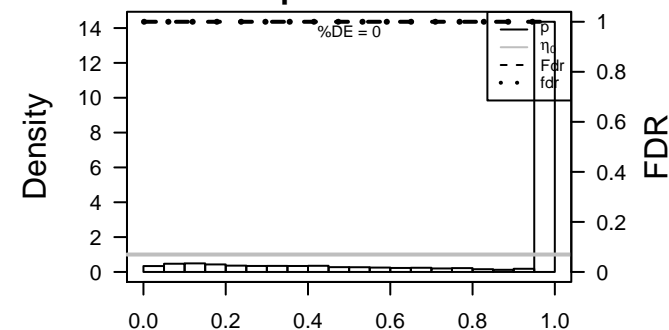
Rank	p-value	#in/all	Geneset
1	0.001	3 / 27	GSE# ZHAN_MULTIPLE_MYELOMA_DN
2	0.002	3 / 30	BP epithelial to mesenchymal transition
3	0.002	37 / 2972	Brain Mid_Frontal_Lobe_ReprPC
4	0.002	4 / 66	GSE# BAELDE_DIABETIC_NEPHROPATHY_UP
5	0.002	6 / 167	GSE# BROWNE_HCMV_INFECTION_18HR_UP
6	0.003	2 / 10	GSE# FRASOR_TAMOXIFEN_RESPONSE_DN
7	0.003	8 / 304	GSE# GINESTIER_BREAST_CANCER_ZNF217_AMPLIFIED_DN
8	0.003	3 / 36	GSE# POMEROY_MEDULLOBLASTOMA_DESMOPLASIC_VS_CLASSIC_DN
9	0.003	6 / 180	miRN hsa-miR-302e
10	0.003	16 / 966	GSE# PEREZ_TP53_TARGETS
11	0.004	2 / 12	MF enhancer sequence-specific DNA binding
12	0.004	2 / 12	MF Notch binding
13	0.004	2 / 12	MF Wnt-activated receptor activity
14	0.004	2 / 13	BP embryonic camera-type eye morphogenesis
15	0.004	2 / 13	BP positive regulation of chondrocyte differentiation
16	0.004	2 / 13	GSE# REACTOME_CELL_EXTRACELLULAR_MATRIX_INTERACTIONS
17	0.005	2 / 14	BP homeostasis of number of cells
18	0.006	4 / 91	BP protein stabilization
19	0.007	2 / 16	BP cilium movement
20	0.007	2 / 16	GSE# NIELSEN_GIST_VS_SYNOVIAL_SARCOMA_UP
21	0.007	2 / 16	GSE# ZEMBUTSU_SENSITIVITY_TO_CISPLATIN
22	0.007	4 / 98	GSE# RICKMAN_TUMOR_DIFFERENTIATED_WELL_VS_MODERATELY_UP
23	0.007	3 / 51	miRN hsa-miR-556-3p
24	0.008	12 / 689	Chr Chr 7
25	0.008	3 / 52	MF hormone activity
26	0.008	3 / 52	CC perikaryon
27	0.008	6 / 222	miRN hsa-miR-520g
28	0.009	9 / 453	GSE# WEST_ADRENOCORTICAL_TUMOR_DN
29	0.010	4 / 107	GSE# SANSOM_APC_TARGETS_UP
30	0.010	7 / 307	miRN hsa-miR-302b
31	0.010	5 / 169	CC transcription factor complex
32	0.012	2 / 21	BP negative regulation of Notch signaling pathway
33	0.012	7 / 314	miRN hsa-miR-520c-3p
34	0.012	13 / 820	MF sequence-specific DNA binding transcription factor activity
35	0.012	3 / 61	GSE# BOYALT_LIVER_CANCER_SUBCLASS_G6_UP
36	0.012	3 / 61	GSE# HUANG_GATA2_TARGETS_DN
37	0.012	5 / 176	miRN hsa-miR-199b-3p
38	0.012	7 / 318	miRN hsa-miR-302a
39	0.013	12 / 737	BP positive regulation of transcription from RNA polymerase II promoter
40	0.013	3 / 62	BP canonical Wnt signaling pathway

Overview Map

Spot



p-values



Rank	p-value	#in/all
1	0.0000	131
2	0.0000	131
3	0.0000	131
4	0.0000	131
5	0.0000	131
6	0.0000	131
7	0.0000	131
8	0.0000	131
9	0.0000	131
10	0.0000	131
11	0.0000	131
12	0.0000	131
13	0.0000	131
14	0.0000	131
15	0.0000	131
16	0.0000	131
17	0.0000	131
18	0.0000	131
19	0.0000	131
20	0.0000	131
21	0.0000	131
22	0.0000	131
23	0.0000	131
24	0.0000	131
25	0.0000	131
26	0.0000	131
27	0.0000	131
28	0.0000	131
29	0.0000	131
30	0.0000	131
31	0.0000	131
32	0.0000	131
33	0.0000	131
34	0.0000	131
35	0.0000	131
36	0.0000	131
37	0.0000	131
38	0.0000	131
39	0.0000	131
40	0.0000	131
41	0.0000	131
42	0.0000	131
43	0.0000	131
44	0.0000	131
45	0.0000	131
46	0.0000	131
47	0.0000	131
48	0.0000	131
49	0.0000	131
50	0.0000	131
51	0.0000	131
52	0.0000	131
53	0.0000	131
54	0.0000	131
55	0.0000	131
56	0.0000	131
57	0.0000	131
58	0.0000	131
59	0.0000	131
60	0.0000	131
61	0.0000	131
62	0.0000	131
63	0.0000	131
64	0.0000	131
65	0.0000	131
66	0.0000	131
67	0.0000	131
68	0.0000	131
69	0.0000	131
70	0.0000	131
71	0.0000	131
72	0.0000	131
73	0.0000	131
74	0.0000	131
75	0.0000	131
76	0.0000	131
77	0.0000	131
78	0.0000	131
79	0.0000	131
80	0.0000	131
81	0.0000	131
82	0.0000	131
83	0.0000	131
84	0.0000	131
85	0.0000	131
86	0.0000	131
87	0.0000	131
88	0.0000	131
89	0.0000	131
90	0.0000	131
91	0.0000	131
92	0.0000	131
93	0.0000	131
94	0.0000	131
95	0.0000	131
96	0.0000	131
97	0.0000	131
98	0.0000	131
99	0.0000	131
100	0.0000	131

Geneset	#in/all
Downregulating genes meth DOWN	131
HORVATH_age_genes meth UP	131
TESCHENDORFF_age_hypermethylated	131

Rank	p-value	#in/all
1	0.0000	401
2	0.0000	401
3	0.0000	401
4	0.0000	401
5	0.0000	401
6	0.0000	401
7	0.0000	401
8	0.0000	401
9	0.0000	401
10	0.0000	401
11	0.0000	401
12	0.0000	401
13	0.0000	401
14	0.0000	401
15	0.0000	401
16	0.0000	401
17	0.0000	401
18	0.0000	401
19	0.0000	401
20	0.0000	401
21	0.0000	401
22	0.0000	401
23	0.0000	401
24	0.0000	401
25	0.0000	401
26	0.0000	401
27	0.0000	401
28	0.0000	401
29	0.0000	401
30	0.0000	401
31	0.0000	401
32	0.0000	401
33	0.0000	401
34	0.0000	401
35	0.0000	401
36	0.0000	401
37	0.0000	401
38	0.0000	401
39	0.0000	401
40	0.0000	401
41	0.0000	401
42	0.0000	401
43	0.0000	401
44	0.0000	401
45	0.0000	401
46	0.0000	401
47	0.0000	401
48	0.0000	401
49	0.0000	401
50	0.0000	401
51	0.0000	401
52	0.0000	401
53	0.0000	401
54	0.0000	401
55	0.0000	401
56	0.0000	401
57	0.0000	401
58	0.0000	401
59	0.0000	401
60	0.0000	401
61	0.0000	401
62	0.0000	401
63	0.0000	401
64	0.0000	401
65	0.0000	401
66	0.0000	401
67	0.0000	401
68	0.0000	401
69	0.0000	401
70	0.0000	401
71	0.0000	401
72	0.0000	401
73	0.0000	401
74	0.0000	401
75	0.0000	401
76	0.0000	401
77	0.0000	401
78	0.0000	401
79	0.0000	401
80	0.0000	401
81	0.0000	401
82	0.0000	401
83	0.0000	401
84	0.0000	401
85	0.0000	401
86	0.0000	401
87	0.0000	401
88	0.0000	401
89	0.0000	401
90	0.0000	401
91	0.0000	401
92	0.0000	401
93	0.0000	401
94	0.0000	401
95	0.0000	401
96	0.0000	401
97	0.0000	401
98	0.0000	401
99	0.0000	401
100	0.0000	401

Geneset	#in/all
Lembecke_ColonIC_inflammation	401
GENIES_modul18	401
GENIES_modul14	401
LU_PROSTATE_CANCER_UP	401
pancan_Wnt_geneset_nanostring	401
pancan_TkmsReg_geneset_nanostring	401
pancan_Driver_Genes_geneset_nanostring	401
pancan_Cc_Aop_geneset_nanostring	401
Lembecke_Normal_Vs_Adenoma	401
MODEX_UNDIFFERENTIATED_CANCER	401
SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_DN	401
LU_BREAST_CANCER	401
K9K27me3_Colon	401
LU_COMMON_CANCER_GENES	401
LU_LIVER_CANCER	401

Rank	p-value	#in/all
1	0.0000	159
2	0.0000	159
3	0.0000	159
4	0.0000	159
5	0.0000	159
6	0.0000	159
7	0.0000	159
8	0.0000	159
9	0.0000	159
10	0.0000	159
11	0.0000	159
12	0.0000	159
13	0.0000	159
14	0.0000	159
15	0.0000	159
16	0.0000	159
17	0.0000	159
18	0.0000	159
19	0.0000	159
20	0.0000	159
21	0.0000	159
22	0.0000	159
23	0.0000	159
24	0.0000	159
25	0.0000	159
26	0.0000	159
27	0.0000	159
28	0.0000	159
29	0.0000	159
30	0.0000	159
31	0.0000	159
32	0.0000	159
33	0.0000	159
34	0.0000	159
35	0.0000	159
36	0.0000	159
37	0.0000	159
38	0.0000	159
39	0.0000	159
40	0.0000	159
41	0.0000	159
42	0.0000	159
43	0.0000	159
44	0.0000	159
45	0.0000	159
46	0.0000	159
47	0.0000	159
48	0.0000	159
49	0.0000	159
50	0.0000	159
51	0.0000	159
52	0.0000	159
53	0.0000	159
54	0.0000	159
55	0.0000	159
56	0.0000	159
57	0.0000	159
58	0.0000	159
59	0.0000	159
60	0.0000	159
61	0.0000	159
62	0.0000	159
63	0.0000	159
64	0.0000	159
65	0.0000	159
66	0.0000	159
67	0.0000	159
68	0.0000	159
69	0.0000	159
70	0.0000	159
71	0.0000	159
72	0.0000	159
73	0.0000	159
74	0.0000	159
75	0.0000	159
76	0.0000	159
77	0.0000	159
78	0.0000	159
79	0.0000	159
80	0.0000	159
81	0.0000	159
82	0.0000	159
83	0.0000	159
84	0.0000	159
85	0.0000	159
86	0.0000	159
87	0.0000	159
88	0.0000	159
89	0.0000	159
90	0.0000	159
91	0.0000	159
92	0.0000	159
93	0.0000	159
94	0.0000	159
95	0.0000	159
96	0.0000	159
97	0.0000	159
98	0.0000	159
99	0.0000	159
100	0.0000	159

Geneset	#in/all
Bullmetka_Surface_crypt-like_UP	159
Marisa_CRC_cluster-1	159
Marisa_CRC_TCGA_group.over_A_normal_UP	159
TCGA_Mutated-in-CRC_non-hypermethylated	159
Vilar_non-hypermethylated-in-CRC	159
Tssp_Color	159
Marisa_CRC_cluster-d	159
TCGA_TCGA_corr_C_normal_UP	159
Lembecke_TCGA_expr_kmeans_L_CIMP_H_UP_Cluster4_DN	159
Lembecke_TCGA_meth_kmeans_A_Cluster4_DN	159
Marisa_CRC_cluster-a	159
Lembecke_TCGA_meth_kmeans_H_CIMP_L_UP_CIMP_H_DN	159
Lembecke_TCGA_expr_kmeans_L_CIMP_H_DN	159
K9K27me3_Colon	159
Lembecke_TCGA_meth_kmeans_F_CIMP_H_UP	159
Peritack_CRC_TCGA_group.over_B_msi-H_UP	159

Rank	p-value	#in/all
1	0.0000	167
2	0.0000	167
3	0.0000	167
4	0.0000	167
5	0.0000	167
6	0.0000	167
7	0.0000	167
8	0.0000	167
9	0.0000	167
10	0.0000	167
11	0.0000	167
12	0.0000	167
13	0.0000	167
14	0.0000	167
15	0.0000	167
16	0.0000	167
17	0.0000	167
18	0.0000	167
19	0.0000	167
20	0.0000	167
21	0.0000	167
22	0.0000	167
23	0.0000	167
24	0.0000	167
25	0.0000	167
26	0.0000	167
27	0.0000	167
28	0.0000	167
29	0.0000	167
30	0.0000	167
31	0.0000	167
32	0.0000	167
33	0.0000	167
34	0.0000	167
35	0.0000	167
36	0.0000	167
37	0.0000	167
38	0.0000	167
39	0.0000	167
40	0.0000	167
41	0.0000	167
42	0.0000	167
43	0.0000	167
44	0.0000	167
45	0.0000	167
46	0.0000	167
47	0.0000	167
48	0.0000	167
49	0.0000	167
50	0.0000	167
51	0.0000	167
52	0.0000	167

Overexpression Spots

Spot Summary: S1

metagenes = 3
genes = 129

<r> metagenes = 0.99
<r> genes = 0.26
beta: r2= 1.3 / log p= -Inf

samples with spot = 1 (1.1 %)
MSC3 : 1 (4 %)

Spot Genelist

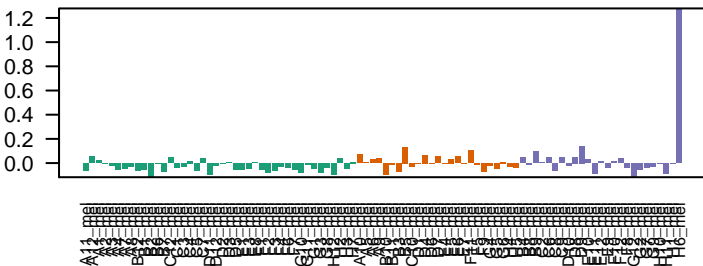
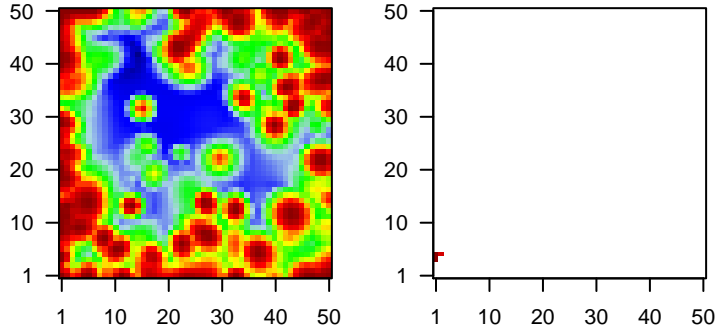
Rank	ID	max e	r	min e	Description
1	HORMAD1	2.38	-0.23	0.34	HORMADHORMA domain containing 1 [Source:HGNC Symbol;Acc:HG
2	SCHIP1	2.29	-0.1	0.48	SCHIP1 schwannomin interacting protein 1 [Source:HGNC Symbol;Ac
3	MAGEA1	2.11	-0.1	0.48	MAGEA1melanoma antigen family A1 [Source:HGNC Symbol;Acc:HGI
4	GARNL3	2.01	-0.2	0.26	GARNL3GTPase activating Rap/RanGAP domain-like 3 [Source:HGN
5	THNSL2	1.98	-0.03	0.7	THNSL2 threonine synthase-like 2 (S. cerevisiae) [Source:HGNC Syrr
6	IFI44	1.95	-0.25	0.34	IFI44 interferon-induced protein 44 [Source:HGNC Symbol;Acc:HC
7	LPHN1	1.9	-0.17	0.32	
8	PORCN	1.88	-0.18	0.38	PORCN porcupine homolog (Drosophila) [Source:HGNC Symbol;Acc:
9	BMP1	1.79	-0.12	0.44	BMP1 bone morphogenetic protein 1 [Source:HGNC Symbol;Acc:H
10	ZNF253	1.78	-0.15	0.24	ZNF253 zinc finger protein 253 [Source:HGNC Symbol;Acc:HGNC:13
11	CHRNA5	1.75	-0.07	0.48	CHRNA5cholinergic receptor, nicotinic, alpha 5 (neuronal) [Source:HG
12	DNAH12	1.73	-0.08	0.53	DNAH12 dynein, axonemal, heavy chain 12 [Source:HGNC Symbol;Ac
13	CD79B	1.71	-0.06	0.5	CD79B CD79b molecule, immunoglobulin-associated beta [Source:H
14	UBASH3B	1.7	-0.05	0.56	UBASH3Bubiquitin associated and SH3 domain containing B [Source:H
15	IFIT1	1.69	-0.13	0.35	IFIT1 interferon-induced protein with tetratricopeptide repeats 1 [S
16	TTL4	1.68	-0.73	0.31	TTL4 tubulin tyrosine ligase-like family member 4 [Source:HGNC S
17	ZNF14	1.68	-0.14	0.38	ZNF14 zinc finger protein 14 [Source:HGNC Symbol;Acc:HGNC:129
18	TMED7-TICA	1.66	-0.04	0.7	TMED7-TICAM2-TICAM2 readthrough [Source:HGNC Symbol;Acc:H
19	ADHFE1	1.66	-0.24	0.33	ADHFE1 alcohol dehydrogenase, iron containing, 1 [Source:HGNC Sy
20	RHBDF2	1.65	-0.35	0.37	RHBDF2rhomoid 5 homolog 2 (Drosophila) [Source:HGNC Symbol;A

Geneset Overrepresentation

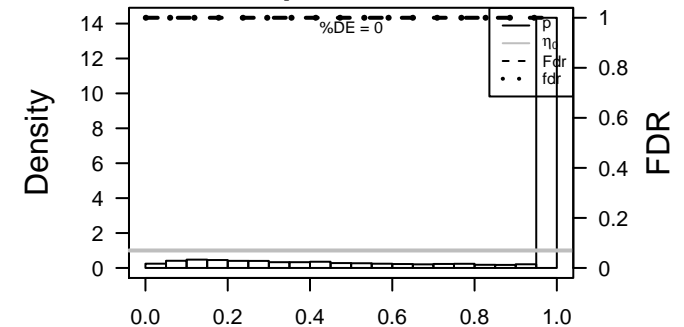
Rank	p-value	#in/all	Geneset
1	7e-04	2 / 5	GSE# KREPEL_CD99_TARGETS_UP
2	8e-04	8 / 231	GSE# DURAND_STROMA_S_UP
3	1e-03	3 / 26	BP negative regulation of GTPase activity
4	1e-03	3 / 26	GSE# MOSERLE_IFNA_RESPONSE
5	3e-03	2 / 9	GSE# THILLAINADESAN_ZNF217_TARGETS_DN
6	3e-03	4 / 67	GSE# RASHI_RESPONSE_TO_IONIZING_RADIATION_6
7	3e-03	4 / 70	GSE# BORCZUK_MALIGNANT_MESOTHELIOMA_DN
8	3e-03	2 / 10	BP regulation of cytokine production
9	3e-03	4 / 71	GSE# BOSCO_TH1_CYTOTOXIC_MODULE
10	3e-03	15 / 801	Chr Chr 11
11	4e-03	2 / 11	GSE# ROETH_TERT_TARGETS_UP
12	5e-03	2 / 12	GSE# GRANDVAUX_IRF3_TARGETS_UP
13	5e-03	2 / 13	CC integrator complex
14	5e-03	2 / 13	BP snRNA processing
15	5e-03	2 / 13	MF ubiquitin conjugating enzyme binding
16	5e-03	2 / 13	GSE# HOWLIN_CITED1_TARGETS_2_UP
17	6e-03	2 / 14	BP positive regulation of blood pressure
18	6e-03	2 / 14	GSE# PID_ERB_GENOMIC_PATHWAY
19	7e-03	3 / 45	GSE# BECKER_TAMOXIFEN_RESISTANCE_UP
20	7e-03	2 / 15	BP cellular response to lithium ion
21	7e-03	2 / 15	BP keratinization
22	7e-03	3 / 46	GSE# CROMER_TUMORIGENESIS_UP
23	8e-03	4 / 92	GSE# VECCHI_GASTRIC_CANCER_ADVANCED_VS_EARLY_DN
24	8e-03	2 / 16	BP calcium ion import
25	8e-03	2 / 16	BP tRNA methylation
26	9e-03	2 / 17	GSE# YIH_RESPONSE_TO_ARSENITE_C4
27	9e-03	38 / 3081	Brain Mid_Frontal_Lobe_ZNF
28	1e-02	3 / 53	GSE# LEE_LIVER_CANCER_E2F1_UP
29	1e-02	2 / 20	CC dynein complex
30	1e-02	2 / 20	BP meiotic nuclear division
31	1e-02	2 / 20	GSE# FARMER_BREAST_CANCER_CLUSTER_1
32	1e-02	2 / 20	GSE# RICKMAN_HEAD_AND_NECK_CANCER_D
33	1e-02	2 / 20	GSE# ZHANG_INTERFERON_RESPONSE
34	1e-02	3 / 58	GSE# LUCAS_HNF4A_TARGETS_UP
35	1e-02	31 / 2462	Brain Mid_Frontal_Lobe_HetRpts
36	2e-02	25 / 1872	TF ICGC_Mef2_targets
37	2e-02	4 / 111	GSE# MISSIAGLIA_REGULATED_BY_METHYLATION_UP
38	2e-02	3 / 61	GSE# SHEDDEN_LUNG_CANCER_GOOD_SURVIVAL_A5
39	2e-02	5 / 172	GSE# GRAESSMANN_RESPONSE_TO_MC_AND_SERUM_DEPRIVATION_UP
40	2e-02	2 / 23	GSE# GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_YELLOW

Overview Map

Spot



p-values



Overexpression Spots

Spot Summary: T1

metagenes = 3
genes = 103

<r> metagenes = 0.99
<r> genes = 0.12
beta: r2= 1.36 / log p= -Inf

samples with spot = 9 (9.8 %)
MSC2 : 4 (16 %)
MSC3 : 5 (20 %)

Spot Genelist

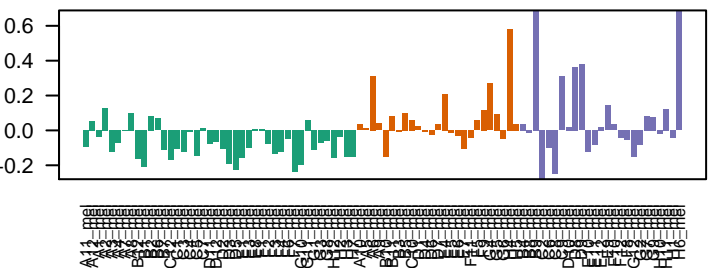
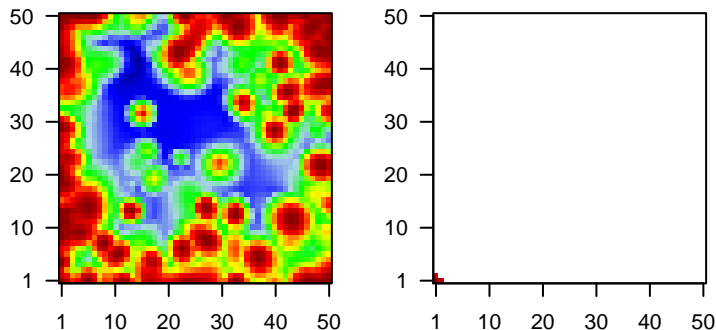
Rank	ID	max e	r	min e	Description
					Symbol
1	GPR107	2.16	-0.36	0.34	GPR107 G protein-coupled receptor 107 [Source:HGNC Symbol;Acc:G
2	PCDHGC3	1.86	-0.36	0.29	PCDHGC3 protocadherin gamma subfamily C, 3 [Source:HGNC Symbol;Acc:HGNC:26
3	PCNX	1.8	-0.45	0.4	PCNX pecanex homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:26
4	APBB1	1.74	-0.25	0.51	APBB1 amyloid beta (A4) precursor protein-binding, family B, member 1 [Source:HGNC Symbol;Acc:HGNC:26
5	GPD1L	1.69	-0.25	0.28	GPD1L glycerol-3-phosphate dehydrogenase 1-like [Source:HGNC Symbol;Acc:HGNC:26
6	ZNF513	1.6	-0.11	0.36	ZNF513 zinc finger protein 513 [Source:HGNC Symbol;Acc:HGNC:26
7	ERCC2	1.6	-0.22	0.36	ERCC2 excision repair cross-complementation group 2 [Source:HGNC Symbol;Acc:HGNC:26
8	CRELD1	1.58	-0.42	0.36	CRELD1 cysteine-rich with EGF-like domains 1 [Source:HGNC Symbol;Acc:HGNC:26
9	ADAM23	1.57	-0.36	0.42	ADAM23 ADAM metallopeptidase domain 23 [Source:HGNC Symbol;Acc:HGNC:26
10	CYHR1	1.54	-0.41	0.29	CYHR1 cysteine/histidine-rich 1 [Source:HGNC Symbol;Acc:HGNC:26
11	CRKL	1.52	-0.36	0.35	CRKL v-crk avian sarcoma virus CT10 oncogene homolog-like [Source:HGNC Symbol;Acc:HGNC:26
12	C10orf88	1.52	-0.43	0.41	C10orf88 chromosome 10 open reading frame 88 [Source:HGNC Symbol;Acc:HGNC:26
13	CCDC126	1.52	-0.57	0.3	CCDC126 coiled-coil domain containing 126 [Source:HGNC Symbol;Acc:HGNC:26
14	ARHGAP18	1.51	-0.22	0.45	ARHGAP18 Rho GTPase activating protein 18 [Source:HGNC Symbol;Acc:HGNC:26
15	ANKRD29	1.51	-0.23	0.43	ANKRD29 ankyrin repeat domain 29 [Source:HGNC Symbol;Acc:HGNC:26
16	PTPN13	1.5	-0.41	0.27	PTPN13 protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD45) [Source:HGNC Symbol;Acc:HGNC:26
17	NLN	1.5	-0.62	0.28	NLN neurolysin (metallopeptidase M3 family) [Source:HGNC Symbol;Acc:HGNC:26
18	SMG9	1.5	-0.41	0.21	SMG9 SMG9 nonsense mediated mRNA decay factor [Source:HGNC Symbol;Acc:HGNC:26
19	GABPB2	1.5	-0.54	0.37	GABPB2 GA binding protein transcription factor, beta subunit 2 [Source:HGNC Symbol;Acc:HGNC:26
20	AKAP1	1.47	-0.5	0.44	AKAP1 A kinase (PRKA) anchor protein 1 [Source:HGNC Symbol;Acc:HGNC:26

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	1e-06	65 / 5940	Brain Overlap_fetal_midbrain_HetRpts
2	1e-06	82 / 8580	Colon TxWk_Colon
3	2e-06	84 / 9027	Colon Tx_Colon
4	7e-05	6 / 101	BP RNA processing
5	9e-05	83 / 9482	Colon TssA_Colon
6	1e-04	4 / 36	BP nuclear-transcribed mRNA catabolic process, nonsense-mediated decay
7	1e-04	83 / 9528	Brain Overlap_fetal_midbrain_Quies
8	2e-04	17 / 925	GSE/ KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_DN
9	2e-04	81 / 9330	Brain Overlap_fetal_midbrain_ReprPC
10	2e-04	3 / 18	GSE/ HOLLEMAN_PREDNISOLONE_RESISTANCE_ALL_UP
11	4e-04	65 / 6929	Lymp HOPP_Txn_elongation
12	5e-04	15 / 831	GSE/ KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_DN
13	6e-04	21 / 1418	TF ICGC_Ets1_targets
14	6e-04	7 / 210	MF transferase activity, transferring glycosyl groups
15	6e-04	3 / 25	MF ATP-dependent helicase activity
16	7e-04	5 / 102	miRN hsa-miR-224
17	8e-04	19 / 1251	GSE/ DODD_NASOPHARYNGEAL_CARCINOMA_DN
18	9e-04	13 / 696	Chr Chr 5
19	1e-03	6 / 167	MF helicase activity
20	1e-03	6 / 168	GSE/ MOREAUX_MULTIPLE_MYELOMA_BY_TACI_DN
21	1e-03	4 / 68	miRN hsa-miR-606
22	1e-03	3 / 31	GSE/ KAAB_FAILED_HEART_ATRIUM_UP
23	1e-03	5 / 120	GSE/ ALCALAY_AML_BY_NPM1_LOCALIZATION_UP
24	1e-03	8 / 315	Glio WILLSCHER_GBM_Verhaak-PNwt & CL_up
25	2e-03	6 / 183	miRN hsa-miR-1283
26	2e-03	4 / 74	miRN hsa-miR-422a
27	2e-03	8 / 325	GSE/ WANG_LMO4_TARGETS_UP
28	2e-03	3 / 36	GSE/ XU_CREBBP_TARGETS_DN
29	2e-03	4 / 77	miRN hsa-miR-1305
30	2e-03	4 / 79	miRN hsa-miR-569
31	2e-03	9 / 416	GSE/ SHEN_SMARCA2_TARGETS_UP
32	2e-03	2 / 11	GSE/ HOLLEMAN_DAUONRUBICIN_B_ALL_DN
33	3e-03	72 / 8415	Color Quies3_Colon
34	3e-03	6 / 203	miRN hsa-miR-33a
35	3e-03	7 / 276	BP nucleobase-containing compound catabolic process
36	3e-03	5 / 145	GSE/ VERHAAK_GLIOBLASTOMA_CLASSICAL
37	3e-03	2 / 13	Pathw BENTINK_myc.1
38	3e-03	2 / 13	GSE/ ZEMBUTSU_SENSITIVITY_TO_NIMUSTINE
39	4e-03	15 / 1007	MF poly(A) RNA binding
40	4e-03	18 / 1325	BP catabolic process

Overview Map

Spot



p-values

