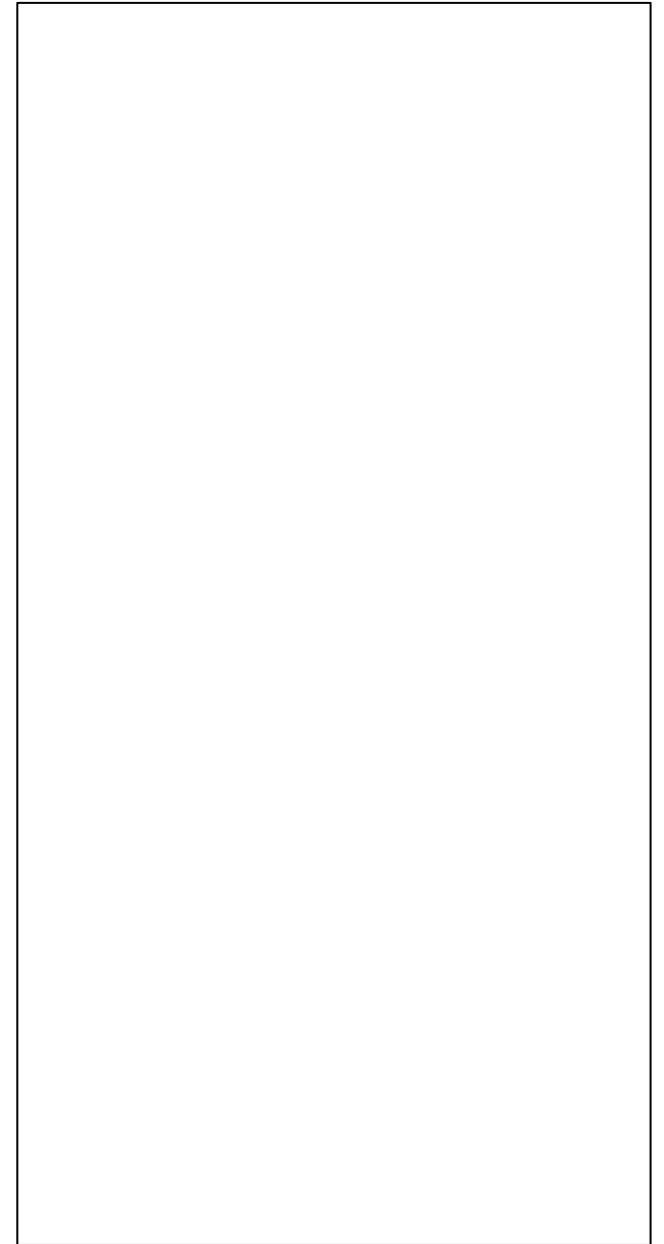
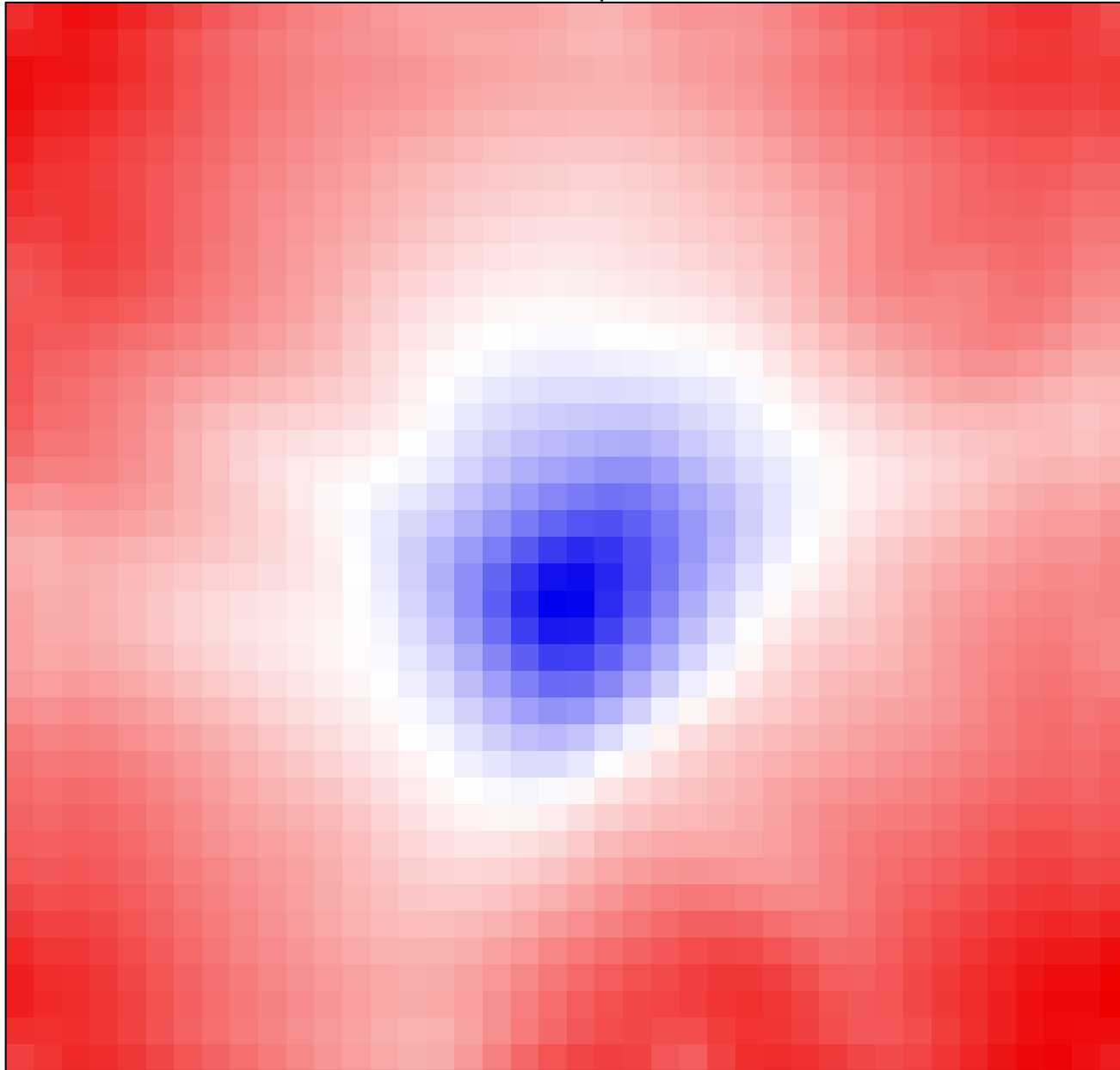


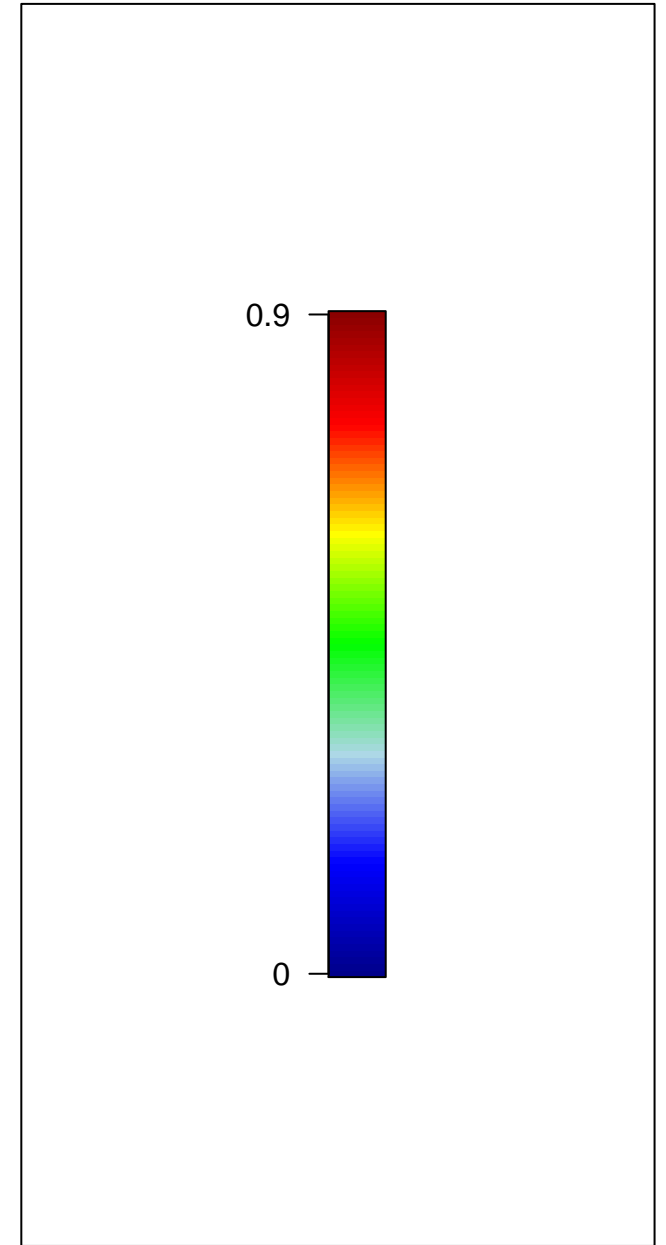
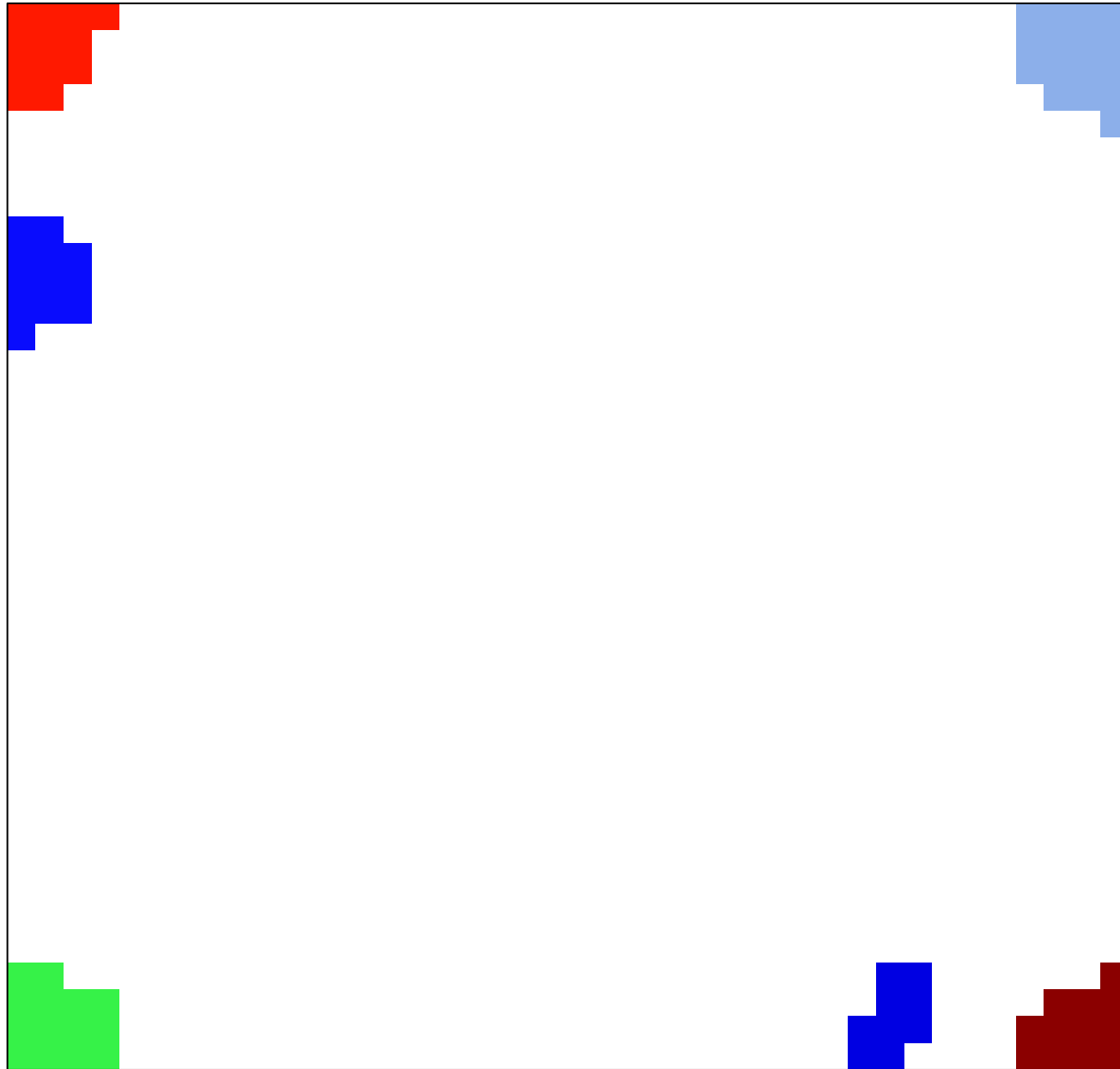
D-Clusters

landscape



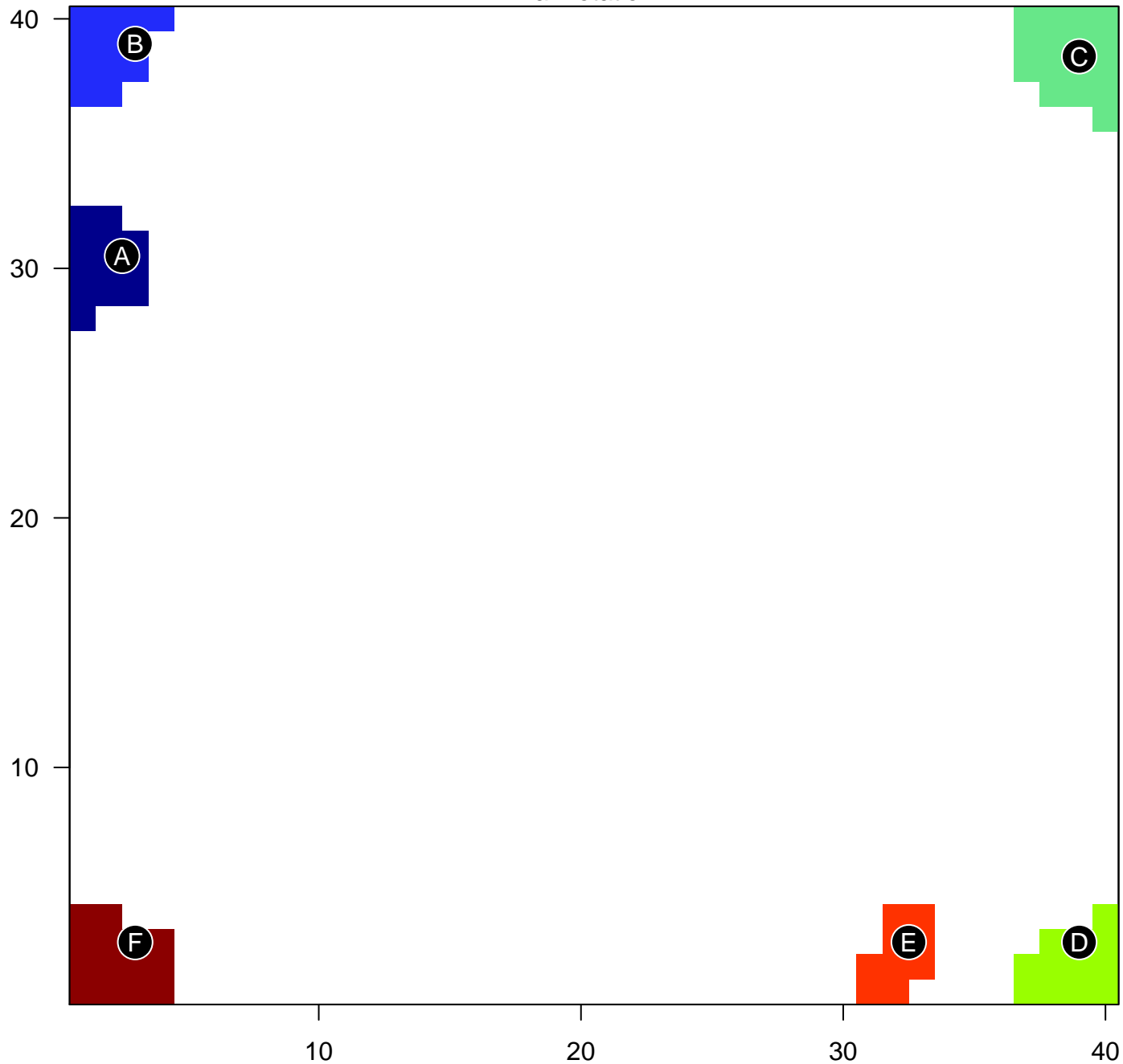
D-Clusters

beta-scores

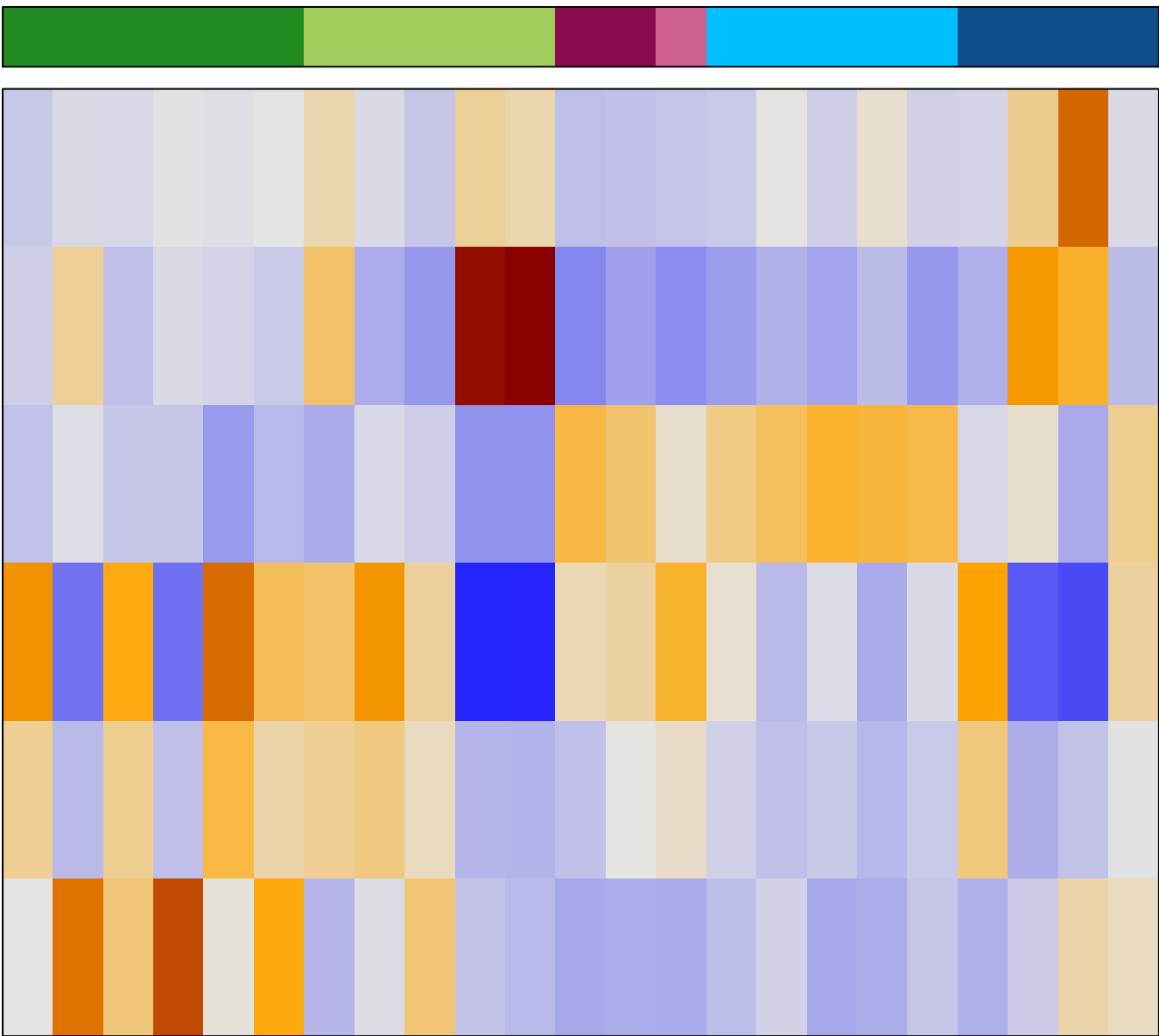


D-Clusters

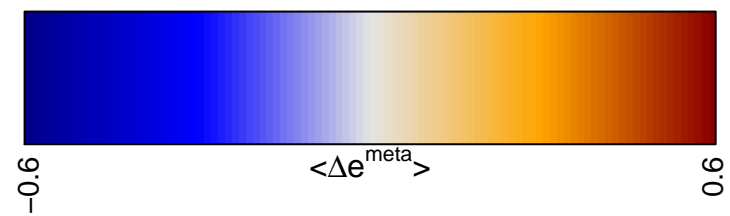
annotation



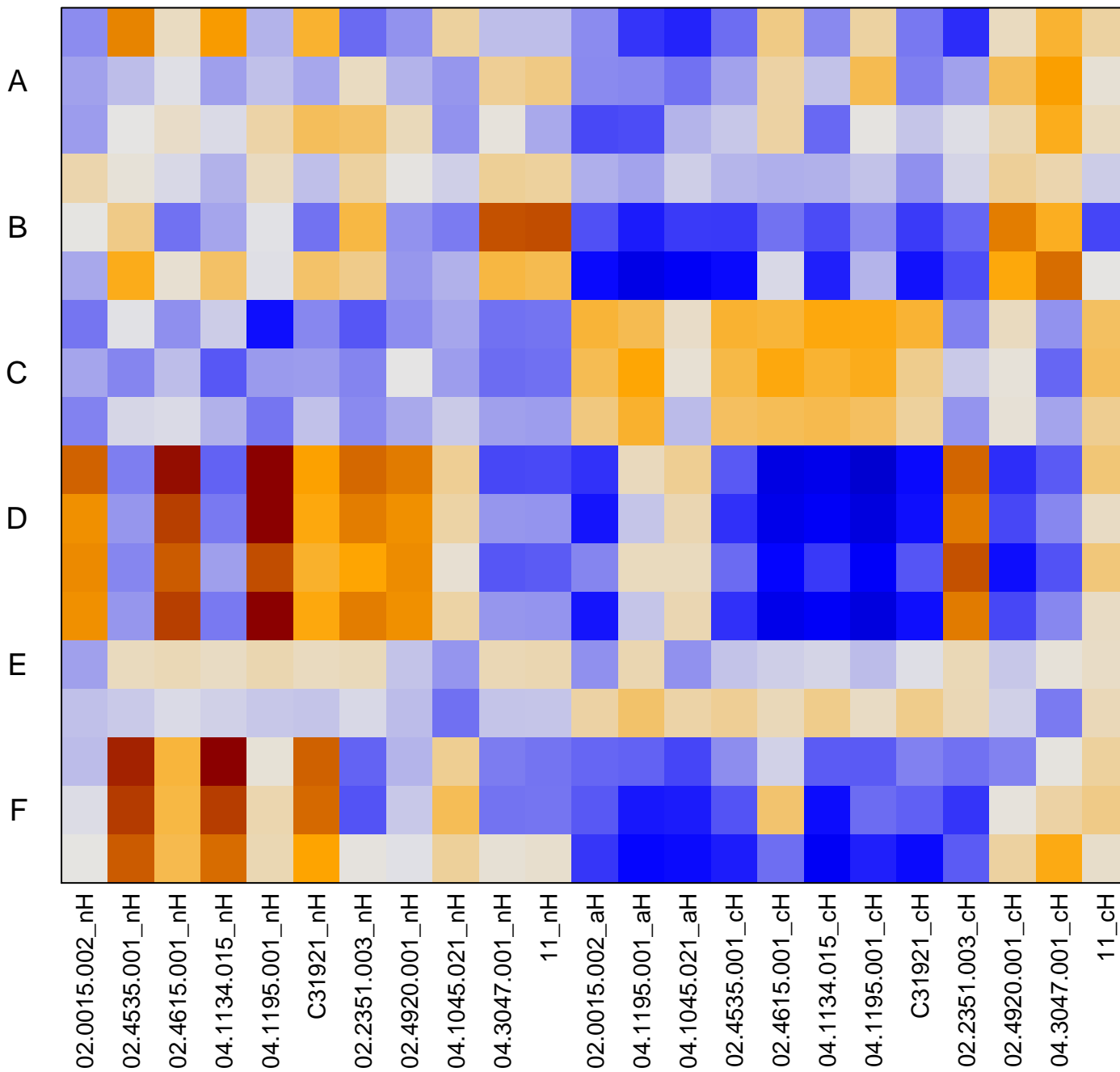
- A ■ Lembcke_Colonc Inflammation
extracellular matrix
HALLMARK_TNFA_SIGNALING_VIA_NFKB
- B ■ LIU_PROSTATE_CANCER_DN
Marisa_CRC-cluster-b
LINDGREN_BLADDER_CANCER_CLUSTER_2B
- C ■ GRADE_COLON_CANCER_UP
VECCHI_GASTRIC_CANCER_EARLY_UP
WHITEFORD_PEDIATRIC_CANCER_MARKERS
- D ■ Pentrack_CRC_TCGA_group.over_A_normal_UP
Pentrack_CRC_TCGA_corr_C_normal_UP
Marisa_CRC-cluster-h
- E ■ Pentrack_CRC_TCGA_corr_C_normal_UP
TssWk_Colon
TssA_Colon
- F ■ WIRTH_Immune system
Lembcke_TCGA-expr_kmeans_E_CIMP.H_UP_Cluster4_0
SMID_BREAST_CANCER_NORMAL_LIKE_UP



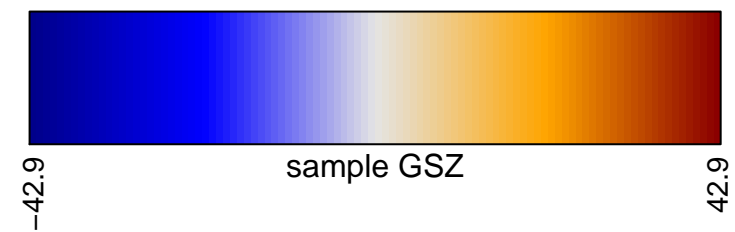
- Lembcke_Colonc Inflammation
- extracellular matrix
- HALLMARK_TNFA_SIGNALING_VIA_NFKB
- LIU_PROSTATE_CANCER_DN
- Marisa_CRC-cluster-b
- LINDGREN_BLADDER_CANCER_CLUSTER_2B
- GRADE_COLON_CANCER_UP
- VECCHI_GASTRIC_CANCER_EARLY_UP
- WHITEFORD_PEDIATRIC_CANCER_MARKERS
- Pentrack_CRC_TCGA_group.over_A_normal_UP
- Pentrack_CRC_TCGA_corr_C_normal_UP
- Marisa_CRC-cluster-h
- Pentrack_CRC_TCGA_corr_C_normal_UP
- TssWk_Colon
- TssA_Colon
- WIRTH_Immune system
- Lembcke_TCGA-expr_kmeans_E_CIMP.H_UP_Cluster4_DN
- SMID_BREAST_CANCER_NORMAL_LIKE_UP



02.0015.002_nH
 02.4535.001_nH
 02.4615.001_nH
 04.1134.015_nH
 04.1195.001_nH
 C31921_nH
 02.2351.003_nH
 02.4920.001_nH
 04.1045.021_nH
 04.3047.001_nH
 11_nH
 02.0015.002_aH
 04.1195.001_aH
 04.1045.021_aH
 02.4535.001_cH
 02.4615.001_cH
 04.1134.015_cH
 04.1195.001_cH
 C31921_cH
 02.2351.003_cH
 02.4920.001_cH
 04.3047.001_cH
 11_cH



- Lembcke_Colonc Inflammation
- extracellular matrix
- HALLMARK_TNFA_SIGNALING_VIA_NFKB
- LIU_PROSTATE_CANCER_DN
- Marisa_CRC-cluster-b
- LINDGREN_BLADDER_CANCER_CLUSTER_2B
- GRADE_COLON_CANCER_UP
- VECCHI_GASTRIC_CANCER_EARLY_UP
- WHITEFORD_PEDIATRIC_CANCER_MARKERS
- Pentrack_CRC_TCGA_group.over_A_normal_UP
- Pentrack_CRC_TCGA_corr_C_normal_UP
- Marisa_CRC-cluster-h
- Pentrack_CRC_TCGA_corr_C_normal_UP
- TssWk_Colon
- TssA_Colon
- WIRTH_Immune system
- Lembcke_TCGA-expr_kmeans_E_CIMP.H_UP_Cluster4_DN
- SMID_BREAST_CANCER_NORMAL_LIKE_UP



D-Clusters

Spot Summary: A

metagenes = 12
genes = 198

<r> metagenes = 0.99

<r> genes = 0.67

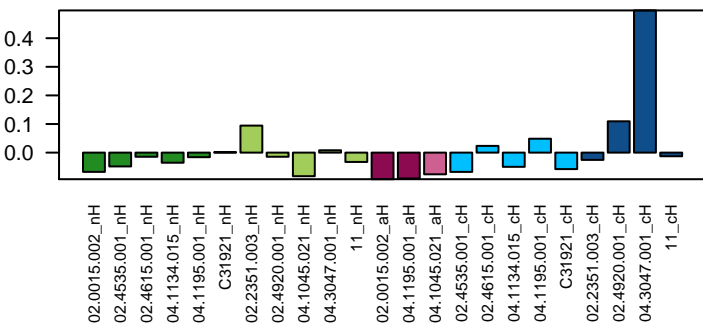
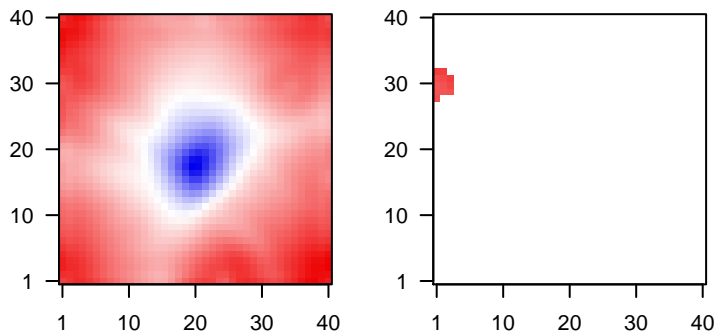
beta: r2= 0.17 / log p= -1.27

samples with spot = 1 (4.3 %)

other_cancerHNPCC : 1 (25 %)

Overview Map

Spot

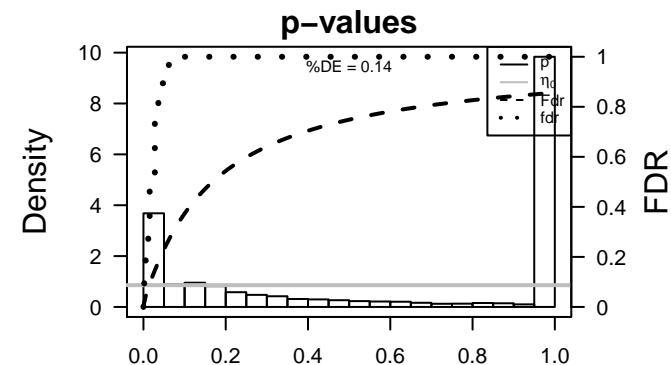


Spot Genelist

Rank	ID	max e	r	min e	Description
					Symbol
1	ENSG0000001	1.82	-0.23	0.9	FABP4 fatty acid binding protein 4, adipocyte [Source:HGNC Symbol]
2	ENSG0000002	1.31	-0.26	0.92	GPX3 glutathione peroxidase 3 [Source:HGNC Symbol;Acc:HGNC:1044]
3	ENSG0000002	1.17	-0.14	0.35	HBB hemoglobin, beta [Source:HGNC Symbol;Acc:HGNC:4827]
4	ENSG0000001	1.11	-0.22	0.93	SFRP2 secreted frizzled-related protein 2 [Source:HGNC Symbol;Acc:HGNC:1044]
5	ENSG0000001	1.02	-0.41	0.88	CTGF connective tissue growth factor [Source:HGNC Symbol;Acc:HGNC:1044]
6	ENSG0000001	1.01	-0.27	0.78	BGN biglycan [Source:HGNC Symbol;Acc:HGNC:1044]
7	ENSG0000001	1	-0.16	0.92	ADAMTS1 metalloproteinase with thrombospondin type 1 motif, 1 [Source:HGNC Symbol;Acc:HGNC:10513]
8	ENSG0000001	0.98	-0.25	0.66	SAA1 serum amyloid A1 [Source:HGNC Symbol;Acc:HGNC:10513]
9	ENSG0000001	0.95	-0.62	0.75	DUSP1 dual specificity phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:10513]
10	ENSG0000001	0.9	-0.24	0.83	FOSB FBJ murine osteosarcoma viral oncogene homolog B [Source:HGNC Symbol;Acc:HGNC:10513]
11	ENSG0000001	0.89	-0.09	0.86	ADIPOQ adiponectin, C1Q and collagen domain containing [Source:HGNC Symbol;Acc:HGNC:10513]
12	ENSG0000001	0.87	-0.18	0.97	C11orf96 chromosome 11 open reading frame 96 [Source:HGNC Symt]
13	ENSG0000001	0.86	-0.22	0.82	C10orf10 chromosome 10 open reading frame 10 [Source:HGNC Symt]
14	ENSG0000001	0.86	-0.19	0.85	G0S2 G0/G1 switch 2 [Source:HGNC Symbol;Acc:HGNC:30229]
15	ENSG0000001	0.84	-0.09	0.95	RBP7 retinol binding protein 7, cellular [Source:HGNC Symbol;Acc:HGNC:30229]
16	ENSG0000001	0.83	-0.15	0.91	SERPINE1 serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1) [Source:HGNC Symbol;Acc:HGNC:30229]
17	ENSG0000002	0.82	-0.11	0.91	MUSTN1 musculoskeletal, embryonic nuclear protein 1 [Source:HGNC Symbol;Acc:HGNC:30229]
18	ENSG0000002	0.81	-0.2	0.83	ACKR1 atypical chemokine receptor 1 (Duffy blood group) [Source:HGNC Symbol;Acc:HGNC:30229]
19	ENSG0000001	0.81	-0.07	0.91	PLIN1 perilipin 1 [Source:HGNC Symbol;Acc:HGNC:9076]
20	ENSG0000001	0.78	-0.09	0.92	ID4 inhibitor of DNA binding 4, dominant negative helix-loop-helix [Source:HGNC Symbol;Acc:HGNC:9076]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	6e-29	47 / 574	Cancer_Lembcke_Colonc_Inflammation
2	9e-29	32 / 202	CC_extracellular_matrix
3	4e-28	31 / 192	HM_HALLMARK_TNFA_SIGNALING_VIA_NFKB
4	7e-27	61 / 1176	CC_extracellular_space
5	1e-26	36 / 326	GSEF_SCHUETZ_BREAST_CANCER_DUCTAL_INVASIVE_UP
6	3e-26	39 / 413	GSEF_BOQUEST_STEM_CELL_CULTURED_VS_FRESH_UP
7	7e-26	37 / 368	GSEF_LINDGREN_BLADDER_CANCER_CLUSTER_2B
8	4e-25	29 / 198	HM_HALLMARK_EPITHELIAL_MESENCHYMAL_TRANSITION
9	2e-24	41 / 525	GSEF_WEST_ADRENOCORTICAL_TUMOR_DN
10	7e-24	52 / 945	GSEF_NABA_MATRISOME
11	2e-23	45 / 692	GSEF_WONG_ADULT_TISSUE_STEM_MODULE
12	1e-22	32 / 314	Lymph_Hopp_June14_MMML937_tumors+controls_group.overexpression_E_GC-FC
13	1e-22	32 / 315	Lymph_WIRTH_lymphoma937_spot_E
14	1e-21	38 / 522	GSEF_SMID_BREAST_CANCER_LUMINAL_B_DN
15	5e-21	26 / 204	GSEF_BOQUEST_STEM_CELL_DN
16	2e-20	28 / 261	Lymph_LENZ_Stromal_signature_1
17	2e-19	56 / 1374	CC_extracellular_region
18	5e-19	14 / 37	GSEF_UZONYI_RESPONSE_TO_LEUKOTRIENE_AND_THROMBIN
19	6e-19	19 / 101	GSEF_CHEN_LVAD_SUPPORT_OF_FAILING_HEART_UP
20	7e-19	16 / 59	Lymph_LENZ_Stromal_signature_2
21	8e-19	26 / 248	GSEF_ONDER_CDH1_TARGETS_2_UP
22	8e-19	25 / 224	BP_angiogenesis
23	2e-18	16 / 62	GSEF_ANASTASSIOU_CANCER_MESENCHYMAL_TRANSITION_SIGNATURE
24	3e-18	20 / 126	GSEF_ZHU_CMV_ALL_DN
25	3e-18	26 / 261	GSEF_NABA_CORE_MATRISOME
26	3e-18	17 / 78	GSEF_NAKAYAMA_SOFT_TISSUE_TUMORS_PCA2_DN
27	7e-18	31 / 418	GSEF_SWEET_LUNG_CANCER_KRAS_DN
28	7e-18	24 / 220	GSEF_MCLACHLAN_DENTAL_CARIES_UP
29	1e-17	28 / 332	Color_Penttrack_CRC_TCGA_corr_j_msi-h_UP_mss_DN
30	4e-17	17 / 90	GSEF_ZHU_CMV_24_HR_DN
31	7e-17	14 / 50	GSEF_BURTON_ADIPOGENESIS_PEAK_AT_2HR
32	3e-16	14 / 55	GSEF_CROONQUIST_STROMAL_STIMULATION_UP
33	1e-15	21 / 196	GSEF_PICCALUGA_ANGIOIMMUNOBLASTIC_LYMPHOMA_UP
34	1e-15	28 / 401	GSEF_REN_ALVEOLAR_RHABDOMYOSARCOMA_DN
35	1e-15	23 / 249	GSEF_BOQUEST_STEM_CELL_UP
36	2e-15	29 / 436	GSEF_SMID_BREAST_CANCER_NORMAL_LIKE_UP
37	2e-15	30 / 478	GSEF_LIM_MAMMARY_STEM_CELL_UP
38	6e-15	21 / 211	GSEF_ZWANG_CLASS_3_TRANSIENTLY_INDUCED_BY_EGF
39	1e-14	18 / 144	GSEF_IGLESIAS_E2F_TARGETS_UP
40	1e-14	19 / 167	GSEF_VECCHI_GASTRIC_CANCER_ADVANCED_VS_EARLY_UP



D-Clusters

Spot Summary: B

metagenes = 12
genes = 253

<r> metagenes = 1

<r> genes = 0.81

beta: r2= 0.77 / log p= -7.34

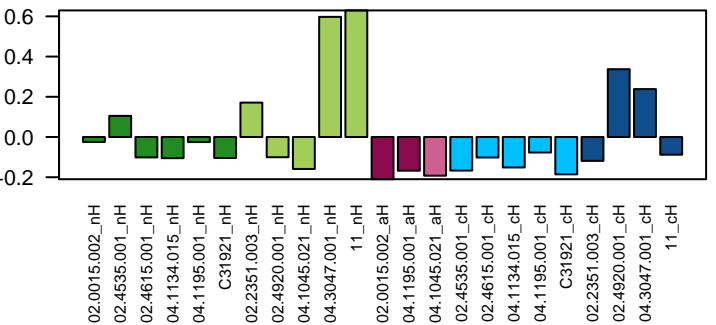
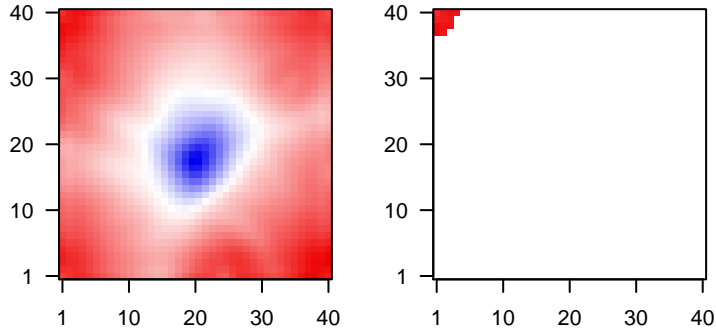
samples with spot = 4 (17.4 %)

other_normHNPCC : 2 (40 %)

other_cancerHNPCC : 2 (50 %)

Overview Map

Spot

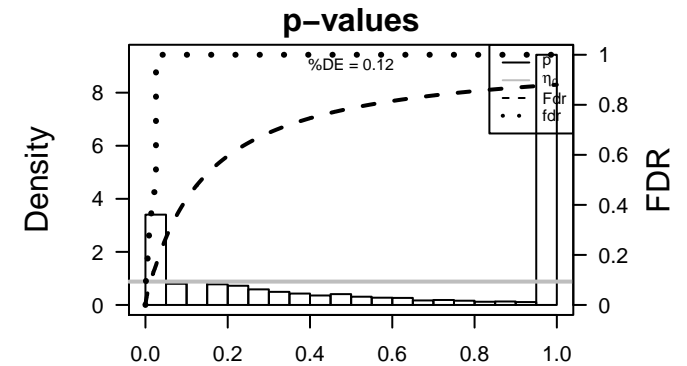


Spot Genelist

Rank	ID	max e	r	min e	Description
					Symbol
1	ENSG000001	1.59	-0.8	0.88	DES desmin [Source:HGNC Symbol;Acc:HGNC:2770]
2	ENSG000001	1.46	-0.53	0.95	MYH11 myosin, heavy chain 11, smooth muscle [Source:HGNC Syml
3	ENSG000001	1.44	-0.52	0.94	CNN1 calponin 1, basic, smooth muscle [Source:HGNC Symbol;Acc
4	ENSG000001	1.42	-0.68	0.92	ACTG2 actin, gamma 2, smooth muscle, enteric [Source:HGNC Syml
5	ENSG000002	1.37	-0.24	0.43	MTRNR2MF-RNR2-like 1 [Source:HGNC Symbol;Acc:HGNC:37155]
6	ENSG000001	1.35	-0.91	0.91	MYL9 myosin, light chain 9, regulatory [Source:HGNC Symbol;Acc:I
7	ENSG000001	1.32	-0.37	0.97	SYNM synemin, intermediate filament protein [Source:HGNC Symbc
8	ENSG000001	1.3	-0.58	0.97	FLNA filamin A, alpha [Source:HGNC Symbol;Acc:HGNC:3754]
9	ENSG000001	1.29	-0.49	0.95	TPM2 tropomyosin 2 (beta) [Source:HGNC Symbol;Acc:HGNC:120
10	ENSG000001	1.24	-0.52	0.74	IGFBP7 insulin-like growth factor binding protein 7 [Source:HGNC Sy
11	ENSG000001	1.21	-0.38	0.98	CSRP1 cysteine and glycine-rich protein 1 [Source:HGNC Symbol;A
12	ENSG000001	1.2	-0.74	0.93	TAGLN transgelin [Source:HGNC Symbol;Acc:HGNC:11553]
13	ENSG000000	1.17	-0.45	0.95	HSPB6 heat shock protein, alpha-crystallin-related, B6 [Source:HG
14	ENSG000000	1.17	-0.25	0.95	NDE1 nudE neurodevelopment protein 1 [Source:HGNC Symbol;Ac
15	ENSG000001	1.17	-0.39	0.99	CALD1 caldesmon 1 [Source:HGNC Symbol;Acc:HGNC:1441]
16	ENSG000000	1.17	-0.4	0.97	FHL1 four and a half LIM domains 1 [Source:HGNC Symbol;Acc:HK
17	ENSG000001	1.17	-0.36	0.98	LMOD1 leiomodlin 1 (smooth muscle) [Source:HGNC Symbol;Acc:HG
18	ENSG000001	1.14	-0.57	0.95	ACTA2 actin, alpha 2, smooth muscle, aorta [Source:HGNC Symbol;
19	ENSG000000	1.14	-0.3	0.98	MYLK myosin light chain kinase [Source:HGNC Symbol;Acc:HGNC:
20	ENSG000001	1.12	-0.31	0.98	PLN phospholamban [Source:HGNC Symbol;Acc:HGNC:9080]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	1e-69	4 / 16	Cancer LIU_PROSTATE_CANCER_DN
2	1e-58	49 / 132	Colon Marisa_CRC-cluster-b
3	9e-46	58 / 368	GSE/ LINDGREN_BLADDER_CANCER_CLUSTER_2B
4	3e-44	53 / 303	GSE/ PASINI_SUZ12_TARGETS_DN
5	1e-42	61 / 478	GSE/ LIM_MAMMARY_STEM_CELL_UP
6	3e-40	43 / 196	GSE/ PICCALUGA_ANGIOIMMUNOBLASTIC_LYMPHOMA_UP
7	2e-37	59 / 535	GSE/ CHICAS_RB1_TARGETS_CONFLUENT
8	2e-31	34 / 160	GSE/ BERTUCCI_MEDULLARY_VS_DUCTAL_BREAST_CANCER_DN
9	3e-31	42 / 294	GSE/ ACEVEDO_FGFR1_TARGETS_IN_PROSTATE_CANCER_MODEL_DN
10	2e-29	35 / 198	HM HALLMARK_EPITHELIAL_MESENCHYMAL_TRANSITION
11	2e-29	42 / 326	GSE/ SCHUETZ_BREAST_CANCER_DUCTAL_INVASIVE_UP
12	7e-28	46 / 445	GSE/ CHARAFE_BREAST_CANCER_LUMINAL_VS_MESENCHYMAL_DN
13	9e-28	43 / 378	CC focal adhesion
14	9e-28	40 / 314	Lymph Hopp_June14_MMML937_tumors+controls_group.overexpression_E_GC-
15	1e-27	40 / 315	Lymph WIRTH_lymphoma937_spot E
16	2e-27	55 / 692	GSE/ WONG_ADULT_TISSUE_STEM_MODULE
17	3e-26	36 / 261	Lymph LENZ_Stromal signature 1
18	6e-26	43 / 418	GSE/ SWEET_LUNG_CANCER_KRAS_DN
19	1e-25	19 / 40	GSE/ TOMLINS_PROSTATE_CANCER_DN
20	2e-22	32 / 248	GSE/ ONDER_CDH1_TARGETS_2_UP
21	3e-22	29 / 195	HM HALLMARK_MYOGENESIS
22	8e-22	38 / 399	Disea GUDJ_psooriasis down
23	2e-20	31 / 267	GSE/ WANG_SMARCE1_TARGETS_UP
24	3e-20	16 / 40	GSE/ PAPASPYRIDONOS_UNSTABLE_ATEROSCLEROTIC_PLAQUE_DN
25	3e-20	41 / 525	GSE/ WEST_ADRENOCORTICAL_TUMOR_DN
26	1e-19	13 / 22	GSE/ REACTOME_SMOOTH_MUSCLE_CONTRACTION
27	1e-18	45 / 711	GSE/ LEE_BMP2_TARGETS_UP
28	1e-18	23 / 144	GSE/ IGLESIAS_E2F_TARGETS_UP
29	3e-18	28 / 246	GSE/ DANG_REGULATED_BY_MYC_DN
30	1e-17	30 / 306	BP extracellular matrix organization
31	1e-17	25 / 195	GSE/ KEGG_FOCAL_ADHESION
32	4e-17	22 / 148	Colon Marisa_CRC-cluster-a
33	4e-17	33 / 401	GSE/ REN_ALVEOLAR_RHABDOMYOSARCOMA_DN
34	5e-17	11 / 18	GSE/ NIELSEN_LEIOMYOSARCOMA_CNN1_UP
35	1e-16	19 / 105	BP muscle contraction
36	3e-16	24 / 202	CC extracellular matrix
37	3e-16	14 / 44	GSE/ REACTOME_MUSCLE_CONTRACTION
38	6e-16	26 / 254	GSE/ LU_AGING_BRAIN_UP
39	1e-15	26 / 261	GSE/ NABA_CORE_MATRISOME
40	1e-15	24 / 215	GSE/ SENESE_HDAC1_AND_HDAC2_TARGETS_DN



D-Clusters

Spot Summary: C

metagenes = 16
genes = 352

<r> metagenes = 0.98

<r> genes = 0.63

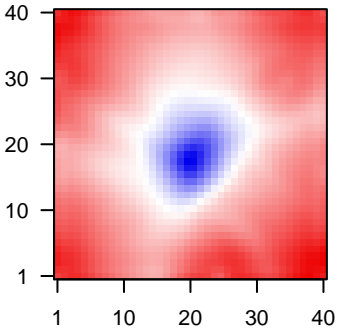
beta: r2= 0.28 / log p= -2.05

samples with spot = 4 (17.4 %)

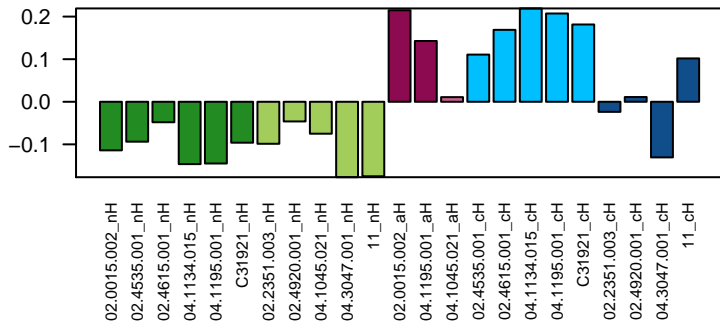
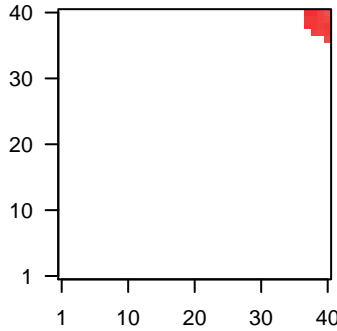
MLH1_adenomaHNPCC : 1 (50 %)

MLH1_cancerHNPCC : 3 (60 %)

Overview Map



Spot

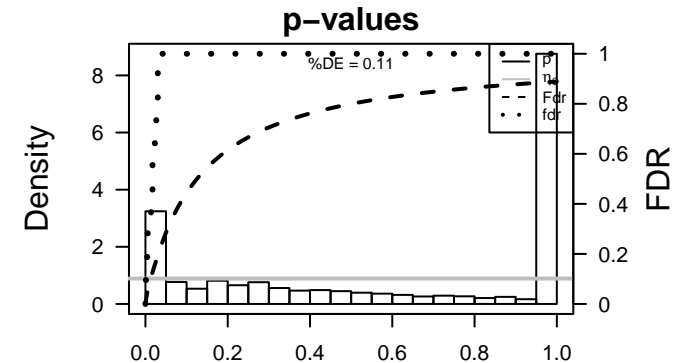


Spot Genelist

Rank	ID	max e	r	min e	Description
					Symbol
1	ENSG00000001	1.84	-0.57	0.57	REG1A regenerating islet-derived 1 alpha [Source:HGNC Symbol;Acc:HGNC:11111]
2	ENSG00000001	1.71	-0.34	0.52	ITLN1 intelectin 1 (galactofuranose binding) [Source:HGNC Symbol;Acc:HGNC:11111]
3	ENSG00000001	1.65	-0.75	0.61	OLFM4 olfactomedin 4 [Source:HGNC Symbol;Acc:HGNC:17190]
4	ENSG00000001	1.57	-0.24	0.58	REG3A regenerating islet-derived 3 alpha [Source:HGNC Symbol;Acc:HGNC:11111]
5	ENSG00000001	1.47	-0.28	0.62	MMP1 matrix metalloproteinase 1 [Source:HGNC Symbol;Acc:HGNC:11111]
6	ENSG00000001	1.33	-0.75	0.41	PLA2G2A phospholipase A2, group IIA (platelets, synovial fluid) [Source:HGNC Symbol;Acc:HGNC:11111]
7	ENSG00000001	1.31	-0.29	0.4	CXCL8 chemokine (C-X-C motif) ligand 8 [Source:HGNC Symbol;Acc:HGNC:11111]
8	ENSG00000001	1.27	-0.21	0.52	REG1B regenerating islet-derived 1 beta [Source:HGNC Symbol;Acc:HGNC:11111]
9	ENSG00000001	1.25	-0.21	0.58	DMBT1 deleted in malignant brain tumors 1 [Source:HGNC Symbol;Acc:HGNC:11111]
10	ENSG00000001	1.17	-0.36	0.5	REG4 regenerating islet-derived family, member 4 [Source:HGNC Symbol;Acc:HGNC:11111]
11	ENSG00000001	1.16	-0.2	0.6	MMP3 matrix metalloproteinase 3 [Source:HGNC Symbol;Acc:HGNC:11111]
12	ENSG00000001	1.15	-0.44	0.74	SPINK1 serine peptidase inhibitor, Kazal type 1 [Source:HGNC Symbol;Acc:HGNC:11111]
13	ENSG00000000	1.15	-0.35	0.5	CLCA1 chloride channel accessory 1 [Source:HGNC Symbol;Acc:HGNC:11111]
14	ENSG00000002	1.1	-0.18	0.56	TNFRSF6B tumor necrosis factor receptor superfamily, member 6b, decoy [Source:HGNC Symbol;Acc:HGNC:6526]
15	ENSG00000001	1.05	-0.66	0.85	LCN2 lipocalin 2 [Source:HGNC Symbol;Acc:HGNC:6526]
16	ENSG00000001	1.05	-0.87	0.79	AGR2 anterior gradient 2, protein disulphide isomerase family member 2 [Source:HGNC Symbol;Acc:HGNC:11111]
17	ENSG00000001	0.98	-0.17	0.41	SPP1 secreted phosphoprotein 1 [Source:HGNC Symbol;Acc:HGNC:11111]
18	ENSG00000001	0.97	-0.41	0.65	SPINK4 serine peptidase inhibitor, Kazal type 4 [Source:HGNC Symbol;Acc:HGNC:11111]
19	ENSG00000001	0.91	-1	0.76	GPX2 glutathione peroxidase 2 [Source:HGNC Symbol;Acc:HGNC:11111]
20	ENSG00000001	0.87	-0.25	0.5	CYP2S1 cytochrome P450, family 2, subfamily S, polypeptide 1 [Source:HGNC Symbol;Acc:HGNC:11111]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	4e-47	92 / 813	GSE# GRADE_COLON_CANCER_UP
2	1e-41	64 / 400	GSE# VECCHI_GASTRIC_CANCER_EARLY_UP
3	2e-39	39 / 113	GSE# WHITEFORD_PEDIATRIC_CANCER_MARKERS
4	2e-37	67 / 519	GSE# BERENJENO_TRANSFORMED_BY_RHOA_UP
5	9e-37	76 / 713	Colon Pentrack_CRC_TCGA_group.over_C_normal_DN
6	3e-35	68 / 582	GSE# CAIRO_HEPATOBLASTOMA_CLASSES_UP
7	3e-35	55 / 350	GSE# RHEIN_ALL_GLUCOCORTICOID_THERAPY_DN
8	8e-34	41 / 174	GSE# LI_AMPLIFIED_IN_LUNG_CANCER
9	8e-33	37 / 138	GSE# ROSTY_CERVICAL_CANCER_PROLIFERATION_CLUSTER
10	2e-32	81 / 944	GSE# KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_DN
11	1e-31	45 / 248	GSE# KOBAYASHI_EGFR_SIGNALING_24HR_DN
12	1e-30	73 / 807	Lymph Hopp_June14_MMM1937_tumors+controls_group.overexpression_D_cell_line
13	7e-30	65 / 645	GSE# CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_DN
14	8e-29	71 / 811	Lymph WIRTH_lymphoma937_spot D
15	2e-28	47 / 327	GSE# WONG_EMBRYONIC_STEM_CELL_CORE
16	2e-27	70 / 830	Color Pentrack_CRC_TCGA_corr_R_normal_DN
17	1e-26	23 / 52	GSE# ISHIDA_E2F_TARGETS
18	3e-26	65 / 747	GSE# PUJANA_CHEK2_PCC_NETWORK
19	8e-26	43 / 303	GSE# HORIUCHI_WTAP_TARGETS_DN
20	1e-25	32 / 145	Glio WILLSCHER_GBM_Verhaak-CL_up (C)
21	2e-25	41 / 275	GSE# GRADE_COLON_AND_RECTAL_CANCER_UP
22	2e-25	5 / 16	Cancr SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_UP
23	3e-25	64 / 754	GSE# MARTENS_TRETINOIN_RESPONSE_DN
24	5e-25	26 / 85	GSE# MORI_LARGE_PRE_BII_LYMPHOCYTE_UP
25	8e-25	243 / 8123	Color Tssf_Colon
26	8e-25	34 / 179	GSE# GRAHAM_CML_DIVIDING_VS_NORMAL QUIESCENT_UP
27	1e-24	35 / 195	HM HALLMARK_MYC_TARGETS_V1
28	1e-24	43 / 323	GSE# PENG_Glutamine_DEPRIVATION_DN
29	1e-24	92 / 1563	GSE# PUJANA_BRCA1_PCC_NETWORK
30	1e-24	67 / 850	GSE# KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_DN
31	2e-24	41 / 292	GSE# MUELLER_PLURINET
32	2e-24	83 / 1298	GSE# DODD_NASOPHARYNGEAL_CARCINOMA_DN
33	3e-24	54 / 550	Cancr Lembcke_Normal vs Adenoma
34	7e-24	30 / 138	GSE# DANG_MYC_TARGETS_UP
35	1e-23	26 / 95	GSE# CROONQUIST_IL6_DEPRIVATION_DN
36	3e-23	30 / 145	GSE# BENPORATH_PROLIFERATION
37	4e-23	32 / 172	GSE# SARRIO_EPITHELIAL_MESENCHYMAL_TRANSITION_UP
38	9e-23	52 / 546	GSE# GOBERT_OLIGODENDROCYTE_DIFFERENTIATION_UP
39	2e-22	33 / 197	HM HALLMARK_E2F_TARGETS
40	4e-22	40 / 316	GSE# DUTERTRE ESTRADIOL_RESPONSE_24HR_UP



D-Clusters

Spot Summary: D

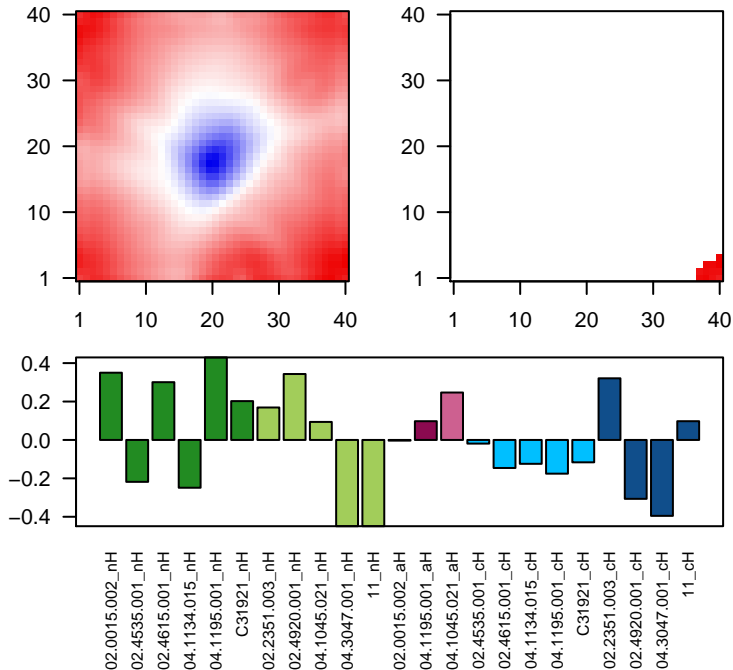
metagenes = 12
genes = 234

<r> metagenes = 0.99
<r> genes = 0.67
beta: r2= 0.94 / log p= -13.41

samples with spot = 7 (30.4 %)
MLH1_normHNPCC : 4 (66.7 %)
other_normHNPCC : 1 (20 %)
other_adenomaHNPCC : 1 (100 %)
other_cancerHNPCC : 1 (25 %)

Overview Map

Spot

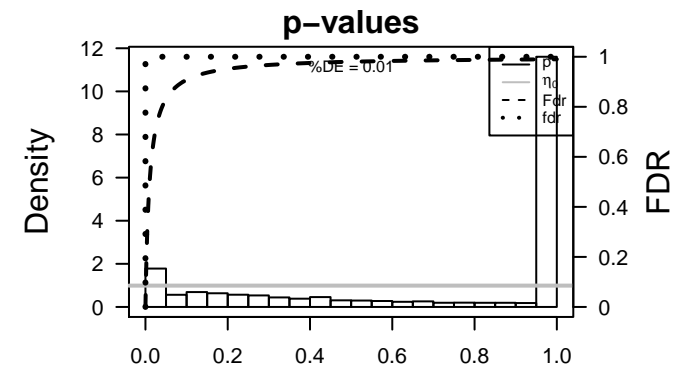


Spot Genelist

Rank	ID	max e	r	min e	Description
1	ENSG000002	1.55	-0.86	0.89	PHGR1 proline/histidine/glycine-rich 1 [Source:HGNC Symbol;Acc:HGNC:11755]
2	ENSG000001	1.42	-0.99	0.88	GUCA2Aguanylate cyclase activator 2A (guanylin) [Source:HGNC Symbol;Acc:HGNC:11755]
3	ENSG000001	1.33	-0.38	0.48	PP7080 uncharacterized LOC25845 [Source:EntrezGene;Acc:25845]
4	ENSG000001	1.3	-0.63	0.74	AQP8 aquaporin 8 [Source:HGNC Symbol;Acc:HGNC:642]
5	ENSG000001	1.28	-0.52	0.66	ANPEP alanyl (membrane) aminopeptidase [Source:HGNC Symbol;Acc:HGNC:11755]
6	ENSG000000	1.26	-0.59	0.72	CLCA4 chloride channel accessory 4 [Source:HGNC Symbol;Acc:HGNC:11755]
7	ENSG000000	1.24	-0.81	0.86	SLC26A3solute carrier family 26 (anion exchanger), member 3 [Source:HGNC Symbol;Acc:HGNC:11755]
8	ENSG000000	1.24	-0.99	0.81	CEACAM6carcinoembryonic antigen-related cell adhesion molecule 7 [Source:HGNC Symbol;Acc:HGNC:11755]
9	ENSG000001	1.24	-0.49	0.76	ZG16 zymogen granule protein 16 [Source:HGNC Symbol;Acc:HGNC:11755]
10	ENSG000000	1.22	-0.52	0.81	GUCA2Bguanylate cyclase activator 2B (uroguanylin) [Source:HGNC Symbol;Acc:HGNC:11755]
11	ENSG000001	1.21	-0.51	0.64	TFF1 trefoil factor 1 [Source:HGNC Symbol;Acc:HGNC:11755]
12	ENSG000001	1.2	-0.44	0.71	PRAP1 proline-rich acidic protein 1 [Source:HGNC Symbol;Acc:HGNC:11755]
13	ENSG000002	1.15	-0.61	0.84	PHGR1 proline/histidine/glycine-rich 1 [Source:HGNC Symbol;Acc:HGNC:11755]
14	ENSG000001	1.13	-1.09	0.9	FABP1 fatty acid binding protein 1, liver [Source:HGNC Symbol;Acc:HGNC:11755]
15	ENSG000001	1.12	-0.37	0.76	AKR1B1aldol-keto reductase family 1, member B10 (aldose reductase) [Source:HGNC Symbol;Acc:HGNC:11755]
16	ENSG000001	1.1	-0.7	0.57	PI3 peptidase inhibitor 3, skin-derived [Source:HGNC Symbol;Acc:HGNC:11755]
17	ENSG000001	1.06	-1.31	0.66	PIGR polymeric immunoglobulin receptor [Source:HGNC Symbol;Acc:HGNC:11755]
18	ENSG000001	1.02	-1.15	0.7	CEACAM5carcinoembryonic antigen-related cell adhesion molecule 5 [Source:HGNC Symbol;Acc:HGNC:11755]
19	ENSG000001	1	-0.96	0.91	KRT20 keratin 20, type I [Source:HGNC Symbol;Acc:HGNC:20412]
20	ENSG000001	1	-0.35	0.79	C11orf86chromosome 11 open reading frame 86 [Source:HGNC Symt

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	4e-71	51 / 104	Colon Pentrack_CRC_TCGA_group.over_A_normal_UP
2	7e-61	75 / 507	Colon Pentrack_CRC_TCGA_corr_C_normal_UP
3	3e-37	33 / 110	Colon Marisa_CRC-cluster-h
4	3e-30	54 / 643	Colon Lembcke_TCGA_meth_kmeans_J_CIMP.H_DN
5	3e-27	50 / 616	Colon Lembcke_TCGA-expr_kmeans_M_CIMP.H_DN
6	9e-27	98 / 2638	CC extracellular exosome
7	4e-21	38 / 455	GSE/ ONDER_CDH1_TARGETS_2_DN
8	4e-21	37 / 429	GSE/ CHARAFE_BREAST_CANCER_LUMINAL_VS_MESENCHYMAL_UP
9	1e-20	30 / 262	GSE/ SABATES_COLORECTAL_ADENOMA_DN
10	1e-20	24 / 144	Lymp WIRTH_lymphoma937_spot G
11	9e-20	35 / 412	GSE/ LIM_MAMMARY_STEM_CELL_DN
12	1e-19	23 / 142	Lymp Hopp_June14_MMML937_tumors+controls_group.overexpression_G_tonsil
13	2e-19	27 / 222	GSE/ COLDREN_GEFITINIB_RESISTANCE_DN
14	2e-18	65 / 1624	GSE/ DODD_NASOPHARYNGEAL_CARCIOMA_UP
15	3e-18	27 / 248	GSE/ JAEGER_METASTASIS_DN
16	9e-18	91 / 3064	Glio Hopp_Sturm_GBM_Epi3_no_zentr_2_adult_UP_G34_DN
17	5e-17	20 / 126	GSE/ VECCHI_GASTRIC_CANCER_ADVANCED_VS_EARLY_DN
18	1e-16	90 / 3122	Color TxEnhG1_Colon
19	1e-14	13 / 48	GSE/ KEGG_DRUG_METABOLISM_OTHER_ENZYMES
20	2e-14	13 / 49	Color Marisa_CRC-cluster-f
21	3e-14	13 / 51	GSE/ KEGG_STEROID_HORMONE_BIOSYNTHESIS
22	6e-14	10 / 23	BP flavonoid biosynthetic process
23	6e-14	10 / 23	BP flavonoid glucuronidation
24	6e-14	37 / 711	GSE/ LEE_BMP2_TARGETS_UP
25	7e-14	20 / 181	GSE/ WU_CELL_MIGRATION
26	9e-14	10 / 24	GSE/ KEGG_ASCORBATE_AND_ALDARATE_METABOLISM
27	3e-13	16 / 109	GSE/ LIEN_BREAST_CARCIOMA_METAPLASTIC_VS_DUCTAL_DN
28	4e-13	40 / 877	Color TxEnhG2_Colon
29	4e-13	10 / 27	GSE/ KEGG_PENTOSE_AND_GLUCURONATE_INTERCONVERSIONS
30	4e-13	9 / 19	BP cellular glucuronidation
31	4e-13	13 / 62	GSE/ KEGG_RETINOL_METABOLISM
32	8e-13	192 / 11791	Color Enh_Colon
33	1e-12	22 / 261	GSE/ MCBRYAN_PUBERTAL_BREAST_4_5WK_UP
34	1e-12	10 / 30	MF glucuronosyltransferase activity
35	2e-12	15 / 102	GSE/ LIN_SILENCED_BY_TUMOR_MICROENVIRONMENT
36	2e-12	34 / 682	GSE/ CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_3
37	3e-12	32 / 608	Disea GUDJ_psooriasis up
38	3e-12	34 / 688	Color Lembcke_TCGA-expr_kmeans_L_CIMP.H_UP_Cluster4_DN
39	3e-12	28 / 467	GSE/ SWEET_LUNG_CANCER_KRAS_UP
40	6e-12	16 / 132	GSE/ WAMUNYOKOLI_OVARIAN_CANCER_GRADES_1_2_UP



D-Clusters

Spot Summary: E

metagenes = 9
genes = 97

<r> metagenes = 0.99

<r> genes = 0.55

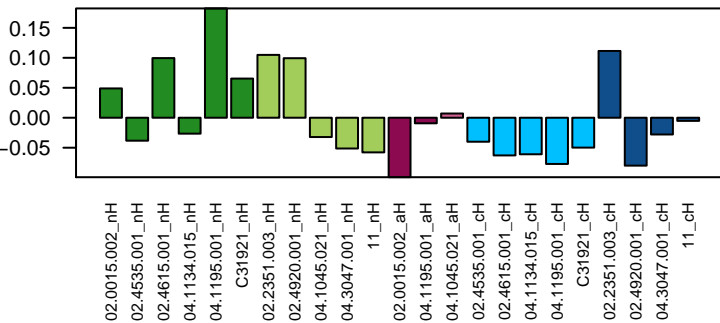
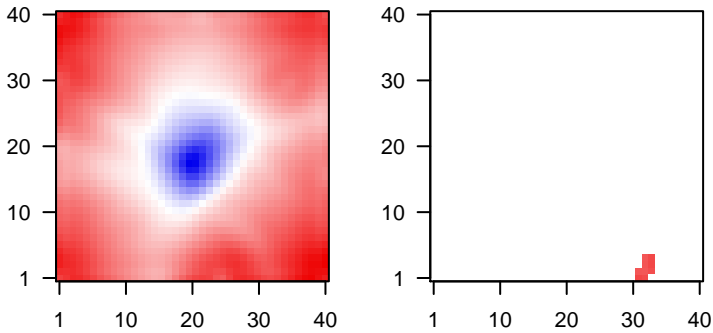
beta: r2= 0.12 / log p= -0.97

samples with spot = 1 (4.3 %)

MLH1_normHNPCC : 1 (16.7 %)

Overview Map

Spot

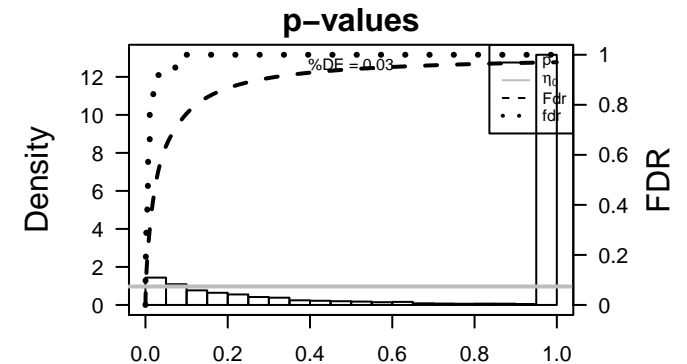


Spot Genelist

Rank	ID	max e	r	min e	Description
1	ENSG000002	0.38	-0.17	0.5	
2	ENSG000001	0.38	-0.07	0.71	RSAD2 radical S-adenosyl methionine domain containing 2 [Source:Ensembl]
3	ENSG000001	0.38	-0.13	0.69	MT1F metallothionein 1F [Source:HGNC Symbol;Acc:HGNC:7398]
4	ENSG000001	0.35	-0.2	0.62	CMPK1 cytidine monophosphate (UMP-CMP) kinase 1, cytosolic [Source:Ensembl]
5	ENSG000001	0.34	-0.18	0.59	CPT1A carnitine palmitoyltransferase 1A (liver) [Source:HGNC Symbol;Acc:HGNC:2421]
6	ENSG000001	0.33	-0.28	0.59	CYCS cytochrome c, somatic [Source:HGNC Symbol;Acc:HGNC:1911]
7	ENSG000001	0.33	-0.22	0.5	NDRG1 N-myc downstream regulated 1 [Source:HGNC Symbol;Acc:HGNC:2421]
8	ENSG000001	0.32	-0.27	0.67	TNFRSF25 tumor necrosis factor receptor superfamily, member 21 [Source:Ensembl]
9	ENSG000001	0.32	-0.24	0.62	RHOU ras homolog family member U [Source:HGNC Symbol;Acc:HGNC:2421]
10	ENSG000000	0.31	-0.23	0.51	ACADVL acyl-CoA dehydrogenase, very long chain [Source:HGNC Symbol;Acc:HGNC:2421]
11	ENSG000001	0.31	-0.11	0.58	ISG20 interferon stimulated exonuclease gene 20kDa [Source:HGNC Symbol;Acc:HGNC:2421]
12	ENSG000001	0.3	-0.08	0.71	HEPACAM1 HEPACAM family member 2 [Source:HGNC Symbol;Acc:HGNC:2421]
13	ENSG000002	0.28	-0.11	0.74	Tetraspanin [Source:UniProtKB/TrEMBL;Acc:B4E171]
14	ENSG000001	0.28	-0.15	0.87	WASL Wiskott-Aldrich syndrome-like [Source:HGNC Symbol;Acc:HGNC:2421]
15	ENSG000000	0.28	-0.11	0.58	EDN1 endothelin 1 [Source:HGNC Symbol;Acc:HGNC:3176]
16	ENSG000001	0.27	-0.19	0.79	CTNND1 catenin (cadherin-associated protein), delta 1 [Source:HGNC Symbol;Acc:HGNC:2421]
17	ENSG000001	0.27	-0.19	0.6	DUSP6 dual specificity phosphatase 6 [Source:HGNC Symbol;Acc:HGNC:2421]
18	ENSG000001	0.27	-0.06	0.78	KRTAP13 keratin associated protein 13-2 [Source:HGNC Symbol;Acc:HGNC:2421]
19	ENSG000001	0.27	-0.08	0.73	PTPRR protein tyrosine phosphatase, receptor type, R [Source:HGNC Symbol;Acc:HGNC:2421]
20	ENSG000000	0.27	-0.18	0.71	LXN latexin [Source:HGNC Symbol;Acc:HGNC:13347]

Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	4e-23	29 / 507	Colon Pentrack_CRC_TCGA_corr_C_normal_UP
2	2e-11	88 / 11968	Colon TssWk_Colon
3	8e-11	82 / 10475	Colon TssA_Colon
4	3e-10	79 / 9930	Colon Tx_Colon
5	7e-10	76 / 9390	Colon TxWk_Colon
6	1e-09	76 / 9470	Colon Quies3_Colon
7	1e-09	58 / 5889	Colon EnhWk1_Colon
8	7e-09	14 / 385	GSE/ RUTELLA_RESPONSE_TO_HGF_VS_CSF2RB_AND_IL4_UP
9	6e-08	14 / 455	GSE/ ONDER_CDH1_TARGETS_2_DN
10	1e-07	20 / 1005	GSE/ NUYTEN_EZH2_TARGETS_UP
11	2e-07	14 / 495	GSE/ DUTERTRE ESTRADIOL_RESPONSE_24HR_DN
12	3e-07	11 / 296	GSE/ RUTELLA_RESPONSE_TO_CSF2RB_AND_IL4_DN
13	6e-07	15 / 641	GSE/ FEVR_CTNNB1_TARGETS_UP
14	9e-07	14 / 568	GSE/ SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_DN
15	1e-06	13 / 490	GSE/ ENK_UV_RESPONSE_EPIDERMIS_DN
16	2e-06	60 / 7491	Lymph HOPP_Txn_elongation
17	5e-06	5 / 50	GSE/ PRAMOONJAGO_SOX4_TARGETS_UP
18	6e-06	12 / 493	miRN hsa-miR-15b
19	7e-06	14 / 682	GSE/ CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_3
20	8e-06	10 / 342	miRN hsa-let-7g
21	9e-06	11 / 424	GSE/ FULCHER_INFLAMMATORY_RESPONSE_LLECTIN_VS_LPS_DN
22	1e-05	11 / 433	GSE/ CHARAFE_BREAST_CANCER_LUMINAL_VS_BASAL_DN
23	1e-05	8 / 211	GSE/ ZWANG_CLASS_3_TRANSIENTLY_INDUCED_BY_EGF
24	1e-05	7 / 152	BP actin cytoskeleton organization
25	1e-05	10 / 358	GSE/ MONNIER_POSTRADIATION_TUMOR_ESCAPE_DN
26	1e-05	12 / 531	miRN hsa-miR-15a
27	1e-05	11 / 444	miRN hsa-let-7b
28	1e-05	8 / 218	GSE/ RUTELLA_RESPONSE_TO_HGF_DN
29	1e-05	3 / 10	BP viral budding via host ESCRT complex
30	2e-05	10 / 368	miRN hsa-let-7i
31	2e-05	5 / 63	GSE/ BROWNE_INTERFERON_RESPONSIVE_GENES
32	2e-05	8 / 224	GSE/ UDAYAKUMAR_MED1_TARGETS_DN
33	2e-05	12 / 547	GSE/ FULCHER_INFLAMMATORY_RESPONSE_LLECTIN_VS_LPS_UP
34	2e-05	78 / 11791	Color Enh_Colon
35	2e-05	5 / 66	GSE/ DELPUECH_FOXO3_TARGETS_UP
36	2e-05	29 / 2638	CC extracellular exosome
37	2e-05	73 / 10693	MF protein binding
38	3e-05	8 / 238	GSE/ HIRSCH_CELLULAR_TRANSFORMATION_SIGNATURE_UP
39	3e-05	32 / 3122	Color TxEnhG1_Colon
40	3e-05	10 / 400	miRN hsa-let-7c



D-Clusters

Spot Summary: F

metagenes = 14
genes = 280

<r> metagenes = 0.99

<r> genes = 0.78

beta: r2= 0.42 / log p= -3.09

samples with spot = 3 (13 %)

MLH1_normHNPCC : 3 (50 %)

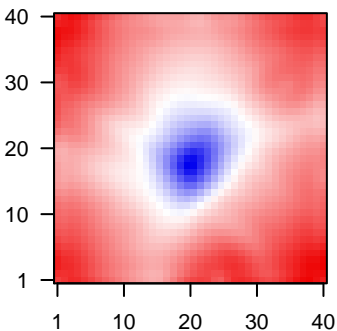
Spot Genelist

Rank	ID	max e	r	min e	Description
					Symbol
1	ENSG0000001	1.4	-0.53	0.84	FDCSP follicular dendritic cell secreted protein [Source:HGNC Symbc
2	ENSG0000001	1.34	-0.7	0.9	CCL21 chemokine (C-C motif) ligand 21 [Source:HGNC Symbol;Acc
3	ENSG0000001	1.14	-0.59	0.93	CCL19 chemokine (C-C motif) ligand 19 [Source:HGNC Symbol;Acc
4	ENSG0000001	1.14	-0.52	0.93	CXCL13 chemokine (C-X-C motif) ligand 13 [Source:HGNC Symbol;f
5	ENSG0000002	1.11	-0.68	0.47	UBD ubiquitin D [Source:HGNC Symbol;Acc:HGNC:18795]
6	ENSG0000001	1.01	-0.54	0.94	CD52 CD52 molecule [Source:HGNC Symbol;Acc:HGNC:1804]
7	ENSG0000001	0.95	-0.25	0.93	CR2 complement component (3d/Epstein Barr virus) receptor 2 [S
8	ENSG0000002	0.95	-0.72	0.5	MT-RNR2-like 2 [Source:HGNC Symbol;Acc:HGNC:37156]
9	ENSG0000001	0.93	-0.22	0.98	CCR7 chemokine (C-C motif) receptor 7 [Source:HGNC Symbol;Ac
10	ENSG0000001	0.89	-0.51	0.94	CXCR4 chemokine (C-X-C motif) receptor 4 [Source:HGNC Symbol;
11	ENSG0000001	0.85	-0.35	0.97	LCP1 lymphocyte cytosolic protein 1 (L-plastin) [Source:HGNC Syr
12	ENSG0000002	0.85	-0.8	0.45	MT-RNR2-like 9 [Source:HGNC Symbol;Acc:HGNC:37166]
13	ENSG0000001	0.85	-0.2	0.92	IL7R interleukin 7 receptor [Source:HGNC Symbol;Acc:HGNC:602
14	ENSG0000001	0.84	-0.29	0.97	MS4A1 membrane-spanning 4-domains, subfamily A, member 1 [So
15	ENSG0000001	0.83	-0.25	0.95	GIMAP7 GTPase, IMAP family member 7 [Source:HGNC Symbol;Acc:
16	ENSG0000001	0.82	-0.25	0.93	ETS1 v-ets avian erythroblastosis virus E26 oncogene homolog 1 [
17	ENSG0000001	0.82	-0.39	0.93	CD79A CD79a molecule, immunoglobulin-associated alpha [Source:
18	ENSG0000001	0.81	-0.24	0.98	FCMR Fc fragment of IgM receptor [Source:HGNC Symbol;Acc:HGf
19	ENSG0000000	0.8	-0.2	0.98	PTPRC protein tyrosine phosphatase, receptor type, C [Source:HGNC
20	ENSG0000001	0.79	-0.35	0.98	CD53 CD53 molecule [Source:HGNC Symbol;Acc:HGNC:1686]

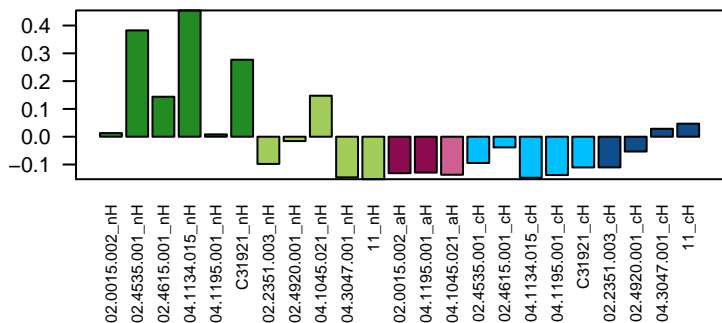
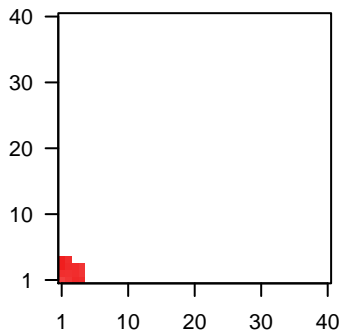
Geneset Overrepresentation

Rank	p-value	#in/all	Geneset
1	1e-99	105 / 427	Tissu WIRTH_Immune system
2	1e-99	152 / 844	Colon Lembcke_TCGA-expr_kmeans_E_CIMP.H_UP_Cluster4_DN
3	7e-87	95 / 436	GSE/ SMID_BREAST_CANCER_NORMAL_LIKE_UP
4	8e-79	98 / 574	Canci Lembcke_Colonc Inflammation
5	4e-71	71 / 263	GSE/ WALLACE_PROSTATE_CANCER_RACE_UP
6	1e-63	58 / 175	GSE/ LEE_DIFFERENTIATING_T_LYMPHOCYTE
7	1e-55	57 / 220	GSE/ MCLACHLAN_DENTAL_CARIES_UP
8	1e-52	58 / 259	GSE/ POOLA_INVASIVE_BREAST_CANCER_UP
9	8e-49	71 / 522	GSE/ SMID_BREAST_CANCER_LUMINAL_B_DN
10	1e-46	50 / 210	GSE/ MCLACHLAN_DENTAL_CARIES_DN
11	1e-42	56 / 343	BP immune response
12	9e-38	46 / 246	GSE/ QI_PLASMACYTOMA_UP
13	4e-35	210 / 7592	Lymp HOPP_Strong_enhancer
14	6e-33	49 / 368	GSE/ LINDGREN_BLADDER_CANCER_CLUSTER_2B
15	1e-30	36 / 181	HM HALLMARK_ALLOGRAFT_REJECTION
16	2e-30	42 / 279	Glio WILLSCHEER_GBM_Verhaak-CL & MES_up
17	2e-29	49 / 435	GSE/ RODWELL_AGING_KIDNEY_UP
18	3e-29	23 / 51	GSE/ MORI_LARGE_PRE_BII_LYMPHOCYTE_DN
19	1e-28	26 / 79	GSE/ FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_REJECTED_VS_OK_UP
20	3e-27	15 / 16	CC MHC class II protein complex
21	1e-26	77 / 1340	GSE/ PUJANA_ATM_PCC_NETWORK
22	5e-26	34 / 208	Tissu PALMER_B-Cell signature up
23	7e-26	25 / 87	GSE/ BASSO_CD40_SIGNALING_UP
24	2e-25	21 / 53	GSE/ KLEIN_PRIMARY_EFFUSION_LYMPHOMA_DN
25	1e-24	40 / 346	GSE/ SANSOM_APC_TARGETS_DN
26	1e-24	24 / 86	GSE/ WIELAND_UP_BY_HBV_INFECTION
27	4e-24	32 / 201	CC external side of plasma membrane
28	2e-23	29 / 163	GSE/ PASQUALUCCI_LYMPHOMA_BY_GC_STAGE_DN
29	3e-23	21 / 64	BP T cell costimulation
30	5e-23	32 / 218	GSE/ HOSHIDA_LIVER_CANCER_SUBCLASS_S1
31	1e-22	56 / 823	GSE/ REACTOME_IMMUNE_SYSTEM
32	5e-22	18 / 45	GSE/ YU_MYC_TARGETS_DN
33	1e-21	65 / 1165	GSE/ CHEN_METABOLIC_SYNDROM_NETWORK
34	6e-21	22 / 92	BP T cell receptor signaling pathway
35	9e-21	21 / 82	GSE/ MORI_MATURE_B_LYMPHOCYTE_UP
36	1e-20	19 / 61	BP antigen processing and presentation
37	4e-20	37 / 381	GSE/ KUMAR_TARGETS_OF_MLL_AF9_FUSION
38	7e-20	29 / 215	GSE/ JAATINEN_HEMATOPOIETIC_STEM_CELL_DN
39	9e-20	40 / 466	Lymp SPANG_CD40 6hrs DN
40	2e-19	40 / 475	GSE/ REACTOME_ADAPTIVE_IMMUNE_SYSTEM

Overview Map



Spot



p-values

