

# MLH1\_normHNPCC

## Global Summary

%DE = 0.37  
 # genes with fdr < 0.2 = 4153 ( 228 + / 3925 - )  
 # genes with fdr < 0.1 = 3129 ( 89 + / 3040 - )  
 # genes with fdr < 0.05 = 2156 ( 26 + / 2130 - )  
 # genes with fdr < 0.01 = 1182 ( 2 + / 1180 - )

# genes in genesets = 18990

<FC> = 0  
 <t-score> = -4.01  
 <p-value> = 0  
 <fdr> = 0.63

## Global Genelist

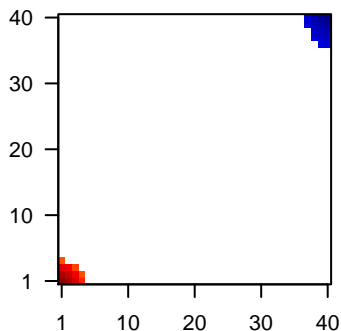
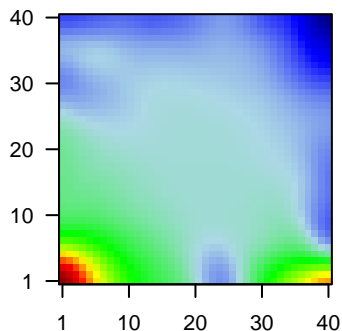
Rank	ID	log(FC)	fdr	p-value	Description
1	ENSG00000001	0	0e+00	5e-12	23 x 22 carboxypeptidase N, polypeptide 1 [Source:HGNC Symbol;Acc:HGNC:10000]
2	ENSG00000000	0	0e+00	5e-12	25 x 22 wingless-type MMTV integration site family, member 8B [Source:HGNC Symbol;Acc:HGNC:10000]
3	ENSG00000001	0	4e-16	1e-11	24 x 22 DPY30 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:10000]
4	ENSG00000001	0	2e-15	1e-11	15 x 20 acyl-CoA synthetase medium-chain family member 6 [Source:HGNC Symbol;Acc:HGNC:10000]
5	ENSG00000001	-0.02	3e-15	2e-11	31 x 18 serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, alpha-1) type 1 [Source:HGNC Symbol;Acc:HGNC:10000]
6	ENSG00000001	0	4e-15	2e-11	24 x 15 piwi-like RNA-mediated gene silencing 1 [Source:HGNC Symbol;Acc:HGNC:10000]
7	ENSG00000001	0	6e-15	1e-10	25 x 23 lipase, gastric [Source:HGNC Symbol;Acc:HGNC:6622]
8	ENSG00000002	0	2e-14	1e-10	20 x 15 lipase, family member N [Source:HGNC Symbol;Acc:HGNC:20000]
9	ENSG00000001	0	4e-14	1e-10	26 x 26 progesterone-associated endometrial protein [Source:HGNC Symbol;Acc:HGNC:10000]
10	ENSG00000001	-0.01	4e-14	1e-10	21 x 6 membrane-spanning 4-domains, subfamily A, member 15 [Source:HGNC Symbol;Acc:HGNC:10000]
11	ENSG00000002	0	5e-14	3e-10	26 x 19
12	ENSG00000002	0	8e-14	3e-10	21 x 18
13	ENSG00000001	-0.01	1e-13	3e-10	33 x 22 doublesex and mab-3 related transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:10000]
14	ENSG00000002	0	2e-13	3e-10	23 x 23
15	ENSG00000002	-0.01	2e-13	3e-10	29 x 28
16	ENSG00000002	0	2e-13	2e-09	23 x 24 chromosome 10 open reading frame 113 [Source:HGNC Symbol;Acc:HGNC:10000]
17	ENSG00000002	0	3e-13	2e-09	22 x 22 chromosome 10 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:10000]
18	ENSG00000001	-0.01	6e-13	2e-09	35 x 24 histone cluster 1, H4c [Source:HGNC Symbol;Acc:HGNC:47000]
19	ENSG00000001	-0.01	6e-13	2e-09	35 x 24 chromosome 5 open reading frame 38 [Source:HGNC Symbol;Acc:HGNC:10000]
20	ENSG00000001	0	7e-13	2e-09	20 x 10 interferon, epsilon [Source:HGNC Symbol;Acc:HGNC:18163]

## Global Geneset Analysis

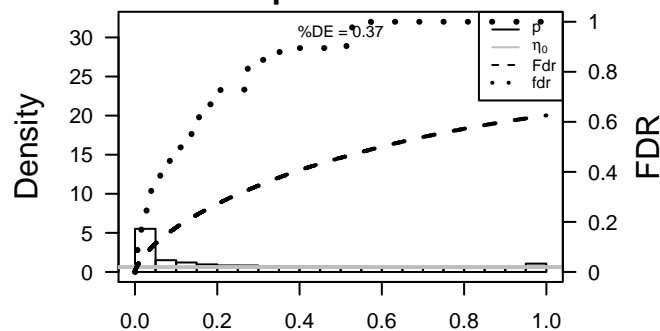
Rank	GSZ	p-value	#all	Geneset
<b>Overexpressed</b>				
1	9.29	9e-04	10475	Colon Cancer Colon
2	9.01	1e-03	9930	Colon Cancer Colon
3	8.64	1e-03	11968	Colon Cancer Colon
4	8.44	1e-03	9390	Colon Cancer Colon
5	8.03	1e-03	9470	Colon Cancer Colon
6	7.99	1e-03	10239	Brain Overlap_fetal_midbrain_ReprPC
7	7.8	1e-03	9923	Brain Overlap_fetal_midbrain_K9K27me3
8	7.67	1e-03	10800	Brain Overlap_fetal_midbrain_Quies
9	7.35	1e-03	7491	Lymphoma OPP_Txn_elongation
10	7.28	2e-03	8358	Lymphoma OPP_Active_promoter
11	6.59	2e-03	5643	Lymphoma OPP_Txn_transition
12	6.31	2e-03	10278	Brain Overlap_fetal_midbrain_ReprPCWk
13	6.09	2e-03	8147	Lymphoma OPP_Weak_promoter
14	6.06	2e-03	6320	Brain Overlap_fetal_midbrain_HetRpts
15	5.73	2e-03	8123	Colon Cancer Colon
16	5.17	3e-03	5173	TF ICGC_Taf1_targets
17	4.97	3e-03	7592	Lymphoma OPP_Strong_enhancer
18	4.93	3e-03	5512	TF ICGC_Nficsc81335_targets
19	4.82	3e-03	5526	TF ICGC_Pmlsc71910_targets
20	4.69	3e-03	4969	TF ICGC_Atf2_targets
<b>Underexpressed</b>				
1	-15.74	3e-04	20	GSEA C2/VERRECCHIA_RESPONSE_TO_TGFB1_C5
2	-13.57	4e-04	26	Colon Cancer CRC-CIMPH-vs-L_hypo
3	-12.68	5e-04	32	BP gastrulation
4	-12.56	5e-04	23	MF carboxypeptidase activity
5	-12.49	5e-04	715	Chr Chr 10
6	-11.98	6e-04	24	MF metalloproteinase activity
7	-11.75	6e-04	37	MF frizzled binding
8	-11.48	6e-04	38	GSEA C2/VERRECCHIA_DELAYED_RESPONSE_TO_TGFB1
9	-11.48	6e-04	36	Colon Cancer CRC_Hypomethylated
10	-11.11	6e-04	50	Lymphoma Subero_B-ALL_hyper_meth
11	-10.96	7e-04	48	BP response to retinoic acid
12	-9.61	9e-04	55	GSEA C2/KEGG_HEDGEHOG_SIGNALING_PATHWAY
13	-9.58	9e-04	54	GSEA C2/KEGG_BASAL_CELL_CARCINOMA
14	-9.56	9e-04	8	GSEA C2/ANG_BCL3_TARGETS_DN
15	-9.12	1e-03	59	Glio Christensen_hypomethylated_in_primary_glioblastoma
16	-9.1	1e-03	38	GSEA C2/KAMMINGA_SENESCENCE
17	-9.08	1e-03	10	CC mRNA cap binding complex
18	-8.82	1e-03	65	BP cell fate commitment
19	-8.79	1e-03	68	BP cellular response to retinoic acid
20	-8.74	1e-03	50	GSEA C2/SU_LIVER

Profile

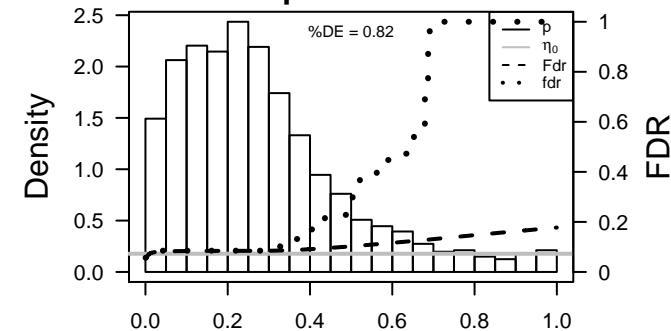
Regulated Spots



p-values



p-values



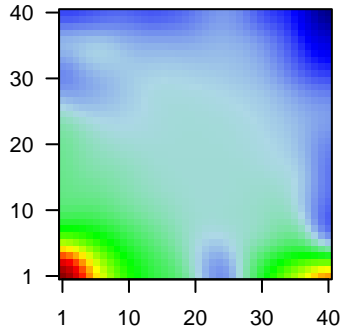
# MLH1\_normHNPC

## Local Summary

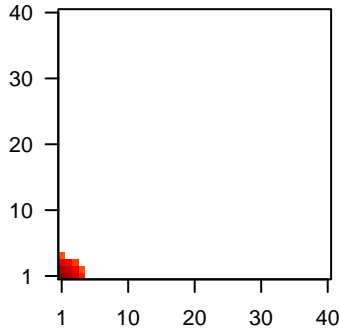
%DE = 0.99  
 # metagenes = 12  
 # genes = 258  
 # genes in genesets = 253  
  
 # genes with  $fdr < 0.1$  = 256 ( 256 + / 0 -)  
 # genes with  $fdr < 0.05$  = 256 ( 256 + / 0 -)  
 # genes with  $fdr < 0.01$  = 248 ( 248 + / 0 -)

<r> metagenes = 1  
 <r> genes = 0.85  
  
 <FC> = 0.26  
 <t-score> = 2.56  
 <p-value> = 0.05  
 <fdr> = 0.38

Profile



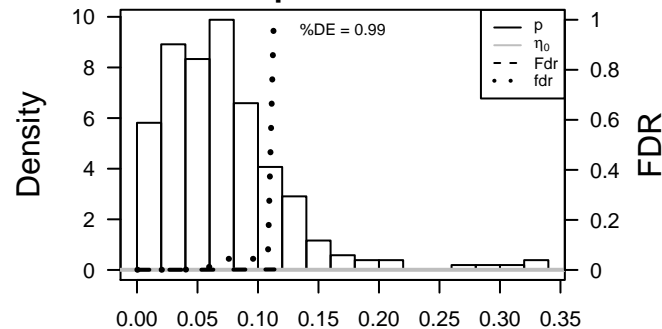
Spot



## Local Genelist

Rank	ID	log(FC)	p-value	fdr	Description
1	ENSG000002	0.29	9e-04	7e-04	3 x 1 Spi-B transcription factor (Spi-1/PU.1 related) [Source:HGNC]
2	ENSG000001	0.33	1e-03	7e-04	1 x 1 interleukin 2 receptor, gamma [Source:HGNC Symbol;Acc:HGNC:1271]
3	ENSG000001	0.21	2e-03	7e-04	4 x 1 pleckstrin homology domain containing, family F (with FYVE c
4	ENSG000001	0.51	3e-03	7e-04	1 x 1 pre-B lymphocyte 3 [Source:HGNC Symbol;Acc:HGNC:1271]
5	ENSG000001	0.64	3e-03	7e-04	1 x 1 CD79a molecule, immunoglobulin-associated alpha [Source:
6	ENSG000000	0.21	5e-03	7e-04	4 x 1 ATPase, Ca++ transporting, ubiquitous [Source:HGNC Symb
7	ENSG000001	0.24	7e-03	7e-04	2 x 1 lymphocyte antigen 86 [Source:HGNC Symbol;Acc:HGNC:16
8	ENSG000001	0.81	7e-03	7e-04	1 x 1 chemokine (C-X-C motif) ligand 13 [Source:HGNC Symbol;f
9	ENSG000001	0.65	8e-03	7e-04	1 x 1 CD52 molecule [Source:HGNC Symbol;Acc:HGNC:1804]
10	ENSG000000	0.43	8e-03	7e-04	1 x 1 CD79b molecule, immunoglobulin-associated beta [Source:H
11	ENSG000002	0.36	9e-03	7e-04	1 x 1 protein tyrosine phosphatase, receptor type, C-associated pr
12	ENSG000001	0.94	9e-03	7e-04	1 x 1 chemokine (C-C motif) ligand 21 [Source:HGNC Symbol;Acc
13	ENSG000001	0.25	9e-03	7e-04	3 x 1 family with sequence similarity 102, member A [Source:HGNC
14	ENSG000001	0.22	1e-02	7e-04	4 x 1 CDC42 small effector 2 [Source:HGNC Symbol;Acc:HGNC:11
15	ENSG000001	0.27	1e-02	7e-04	1 x 1 Fc receptor-like A [Source:HGNC Symbol;Acc:HGNC:18504]
16	ENSG000001	0.19	1e-02	7e-04	4 x 2 tumor protein p53 inducible nuclear protein 1 [Source:HGNC
17	ENSG000001	0.21	1e-02	7e-04	1 x 4 ADP-ribosylation factor-like 6 interacting protein 5 [Source:H
18	ENSG000001	0.69	1e-02	7e-04	1 x 1 chemokine (C-X-C motif) receptor 4 [Source:HGNC Symbol;
19	ENSG000001	0.33	1e-02	7e-04	1 x 1 chemokine (C-X-C motif) ligand 14 [Source:HGNC Symbol;f
20	ENSG000002	0.23	1e-02	7e-04	3 x 3 apolipoprotein B mRNA editing enzyme, catalytic polypeptide

p-values



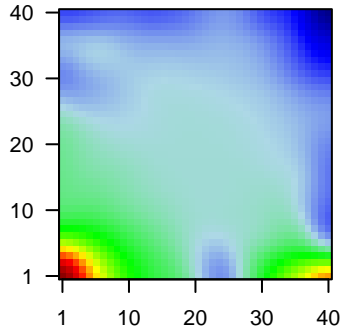
# MLH1\_normHNPC

## Local Summary

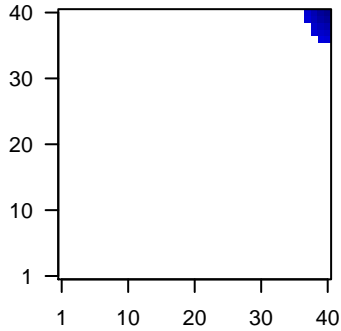
%DE = 0.89  
 # metagenes = 16  
 # genes = 343  
 # genes in genesets = 338  
  
 # genes with fdr < 0.1 = 280 ( 0 + / 280 -)  
 # genes with fdr < 0.05 = 266 ( 0 + / 266 -)  
 # genes with fdr < 0.01 = 171 ( 0 + / 171 -)

<r> metagenes = 0.99  
 <r> genes = 0.79  
  
 <FC> = -0.13  
 <t-score> = -4.67  
 <p-value> = 0.01  
 <fdr> = 0.28

Profile



Spot



## Local Genelist

Rank	ID	log(FC)	p-value	fdr	Description
1	ENSG0000001	-0.13	3e-07	8e-06	40 x 40 claudin 2 [Source:HGNC Symbol;Acc:HGNC:2041]
2	ENSG0000001	-0.24	5e-07	8e-06	40 x 40 regenerating islet-derived 1 beta [Source:HGNC Symbol;Acc:HGNC:2041]
3	ENSG0000001	-0.18	9e-07	8e-06	39 x 40 matrix metalloproteinase 3 [Source:HGNC Symbol;Acc:HGNC:2041]
4	ENSG0000001	-0.14	9e-07	7e-05	40 x 37 ets variant 4 [Source:HGNC Symbol;Acc:HGNC:3493]
5	ENSG0000001	-0.17	4e-06	7e-05	40 x 39 growth differentiation factor 15 [Source:HGNC Symbol;Acc:HGNC:2041]
6	ENSG0000001	-0.12	7e-06	7e-05	39 x 40 ectodermal-neural cortex 1 (with BTB domain) [Source:HGNC:2041]
7	ENSG0000001	-0.12	1e-05	7e-05	39 x 38 family with sequence similarity 57, member A [Source:HGNC:2041]
8	ENSG0000001	-0.15	1e-05	7e-05	40 x 39 sorbitol dehydrogenase [Source:HGNC Symbol;Acc:HGNC:1582]
9	ENSG0000001	-0.23	1e-05	2e-04	40 x 40 matrix metalloproteinase 1 [Source:HGNC Symbol;Acc:HGNC:2041]
10	ENSG0000000	-0.05	2e-05	2e-04	37 x 40 claudin 18 [Source:HGNC Symbol;Acc:HGNC:2039]
11	ENSG0000000	-0.15	2e-05	2e-04	40 x 38 reticulocalbin 1, EF-hand calcium binding domain [Source:HGNC:2041]
12	ENSG0000001	-0.11	2e-05	4e-04	38 x 40 tensin 4 [Source:HGNC Symbol;Acc:HGNC:24352]
13	ENSG0000001	-0.36	4e-05	4e-04	40 x 40 S100 calcium binding protein A11 [Source:HGNC Symbol;Acc:HGNC:2041]
14	ENSG0000001	-0.17	6e-05	4e-04	39 x 38 transmembrane protein 147 [Source:HGNC Symbol;Acc:HGNC:2041]
15	ENSG0000001	-0.19	7e-05	4e-04	39 x 38 cyclin D1 [Source:HGNC Symbol;Acc:HGNC:1582]
16	ENSG0000001	-0.11	7e-05	4e-04	40 x 37 achaete-scute family bHLH transcription factor 2 [Source:HGNC:2041]
17	ENSG0000001	-0.23	8e-05	4e-04	40 x 40 regenerating islet-derived 3 alpha [Source:HGNC Symbol;Acc:HGNC:2041]
18	ENSG0000001	-0.13	8e-05	4e-04	38 x 40 emopamil binding protein-like [Source:HGNC Symbol;Acc:HGNC:2041]
19	ENSG0000002	-0.13	9e-05	4e-04	40 x 40 tumor necrosis factor receptor superfamily, member 6b, decoy receptor 1 [Source:HGNC Symbol;Acc:HGNC:2041]
20	ENSG0000000	-0.19	1e-04	4e-04	40 x 40 solute carrier family 12 (sodium/potassium/chloride transporters) member 1 [Source:HGNC Symbol;Acc:HGNC:2041]

p-values

