

MLH1_adenomaHNPC

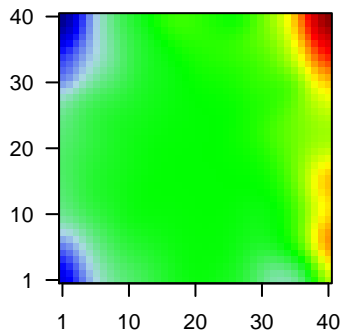
Global Summary

%DE = 0.12
 # genes with $fdr < 0.2 = 3$ (0 + / 3 -)
 # genes with $fdr < 0.1 = 0$ (0 + / 0 -)
 # genes with $fdr < 0.05 = 0$ (0 + / 0 -)
 # genes with $fdr < 0.01 = 0$ (0 + / 0 -)

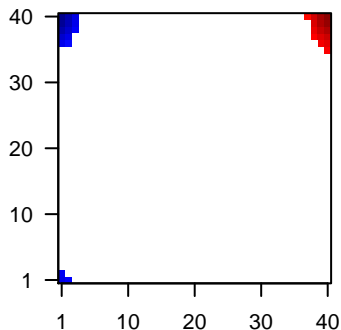
genes in genesets = 18990

<FC> = 0
 <t-score> = -16.31
 <p-value> = 0.27
 <fdr> = 0.88

Profile



Regulated Spots

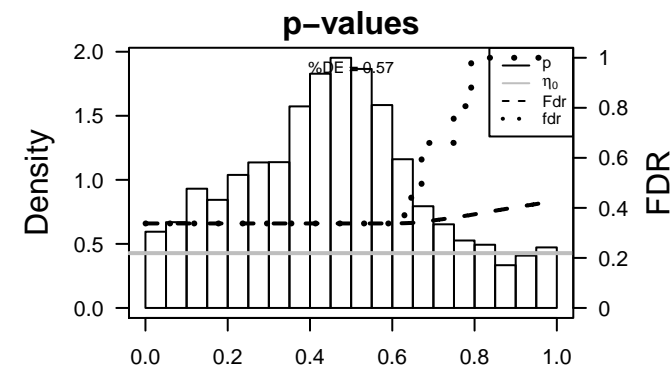
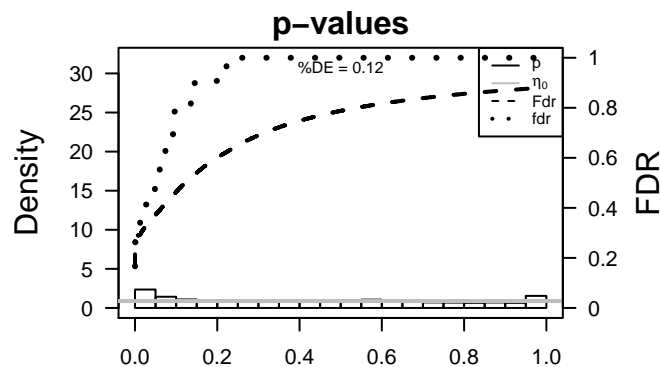


Global Genelist

Rank	ID	log(FC)	fdr p-value	Description Metagene
1	ENSG00000001	-0.05	1e-05	0.2 5 x 40 MORN repeat containing 5 [Source:HGNC Symbol;Acc:HGNC:10000]
2	ENSG00000000	-0.05	2e-05	0.2 37 x 40 claudin 18 [Source:HGNC Symbol;Acc:HGNC:2039]
3	ENSG00000001	-0.03	4e-05	0.2 7 x 3 SLP adaptor and CSK interacting membrane protein [Source:HGNC Symbol;Acc:HGNC:10000]
4	ENSG00000001	-0.02	4e-05	0.3 13 x 40 reprimo, TP53 dependent G2 arrest mediator candidate [Source:HGNC Symbol;Acc:HGNC:10000]
5	ENSG00000001	-0.01	7e-05	0.3 13 x 35 transgelin 3 [Source:HGNC Symbol;Acc:HGNC:29868]
6	ENSG00000001	-0.01	8e-05	0.3 7 x 23 Kruppel-like factor 8 [Source:HGNC Symbol;Acc:HGNC:6357]
7	ENSG00000001	-0.04	1e-04	0.3 2 x 27 membrane-spanning 4-domains, subfamily A, member 7 [Source:HGNC Symbol;Acc:HGNC:10000]
8	ENSG00000001	-0.1	1e-04	0.3 1 x 1 T-cell leukemia/lymphoma 1A [Source:HGNC Symbol;Acc:HGNC:10000]
9	ENSG00000001	-0.01	2e-04	0.3 12 x 27 sushi, von Willebrand factor type A, EGF and pentraxin domain 1 [Source:HGNC Symbol;Acc:HGNC:10000]
10	ENSG00000000	-0.01	2e-04	0.3 9 x 29 prostaglandin E receptor 3 (subtype EP3) [Source:HGNC Symbol;Acc:HGNC:10000]
11	ENSG00000001	-0.01	2e-04	0.3 12 x 26 osteomodulin [Source:HGNC Symbol;Acc:HGNC:8134]
12	ENSG00000001	-0.11	2e-04	0.3 1 x 40 calsequestrin 2 (cardiac muscle) [Source:HGNC Symbol;Acc:HGNC:10000]
13	ENSG00000001	-0.02	2e-04	0.3 8 x 4 FYVE, RhoGEF and PH domain containing 2 [Source:HGNC Symbol;Acc:HGNC:10000]
14	ENSG00000001	-0.03	3e-04	0.3 2 x 28 endomucin [Source:HGNC Symbol;Acc:HGNC:16041]
15	ENSG00000001	0	3e-04	0.3 19 x 27 multiple EGF-like-domains 10 [Source:HGNC Symbol;Acc:HGNC:10000]
16	ENSG00000001	-0.09	3e-04	0.3 2 x 40 heart and neural crest derivatives expressed 2 [Source:HGNC Symbol;Acc:HGNC:10000]
17	ENSG00000001	-0.04	3e-04	0.3 28 x 2 endothelin 2 [Source:HGNC Symbol;Acc:HGNC:3177]
18	ENSG00000001	-0.01	3e-04	0.3 22 x 3 solute carrier family 34 (type II sodium/phosphate cotransporter) [Source:HGNC Symbol;Acc:HGNC:10000]
19	ENSG00000001	-0.13	3e-04	0.3 1 x 40 supervillin [Source:HGNC Symbol;Acc:HGNC:11480]
20	ENSG00000001	0	3e-04	0.3 19 x 26

Global Geneset Analysis

Rank	GSZ	p-value	#all	Geneset
<i>Overexpressed</i>				
1	3.59	0.006	8123	Colon Cancer Colon
2	3.57	0.006	9930	Colon Cancer Colon
3	3.49	0.006	9923	Brain Overlap_fetal_midbrain_K9K27me3
4	3.33	0.007	9390	Colon Cancer Colon
5	2.89	0.009	10475	Colon Cancer Colon
6	2.86	0.009	9470	Colon Cancer Colon
7	2.78	0.009	10800	Brain Overlap_fetal_midbrain_Quies
8	2.43	0.012	7491	Lymphoma Overlap_Txn_elongation
9	2.21	0.014	6761	Colon Cancer Colon
10	2.11	0.016	5578	TF ICGC_Stat5_targets
11	2.11	0.016	5889	Colon Cancer Colon
12	1.95	0.018	4436	TF ICGC_Zeb1_targets
13	1.95	0.018	4566	TF ICGC_Egr1_targets
14	1.86	0.020	4470	TF ICGC_Creb1_targets
15	1.76	0.022	6313	TF ICGC_Pou2_targets
16	1.74	0.022	3122	Colon Cancer Colon
17	1.74	0.022	5643	Lymphoma Overlap_Txn_transition
18	1.72	0.022	6320	Brain Overlap_fetal_midbrain_HetRpts
19	1.7	0.023	10278	Brain Overlap_fetal_midbrain_ReprPCWk
20	1.68	0.024	5308	TF ICGC_Tcf12_targets
<i>Underexpressed</i>				
1	-19.15	2e-04	30	GSEA C2VANOVA_HEMATOPOIESIS_STEM_CELL_SHORT_TERM
2	-13.68	4e-04	58	Glio WILLSCHER_GBM_Verhaak-PNmut_down (G)
3	-13.56	4e-04	22	BP calcium-independent cell-cell adhesion via plasma membrane adhesion molecules
4	-12.45	6e-04	71	GSEA C2DARWICHE_PAPILLOMA_PROGRESSION_RISK
5	-11.76	6e-04	29	GSEA C2REACTOME_TIGHT_JUNCTION_INTERACTIONS
6	-10.09	8e-04	39	BP bicellular tight junction assembly
7	-9.55	9e-04	12	GSEA C2MALIK_REPRESSED_BY_ESTROGEN
8	-9.38	9e-04	56	GSEA C2YAMASHITA_METHYLATED_IN_PROSTATE_CANCER
9	-8.89	1e-03	138	GSEA C2DARWICHE_SQUAMOUS_CELL_CARCINOMA_UP
10	-8.62	1e-03	140	GSEA C2DARWICHE_PAPILLOMA_RISK_HIGH_UP
11	-8.48	1e-03	55	GSEA C2REACTOME_CELL_CELL_JUNCTION_ORGANIZATION
12	-8.44	1e-03	156	GSEA C2DARWICHE_PAPILLOMA_RISK_LOW_DN
13	-7.85	1e-03	64	GSEA C2ZHANG_GATA6_TARGETS_DN
14	-7.7	1e-03	177	GSEA C2DARWICHE_SKIN_TUMOR_PROMOTER_DN
15	-7.66	1e-03	67	BP cell-cell junction organization
16	-7.25	2e-03	21	Glio KIM deleted & downregulated in LTS
17	-7.23	2e-03	24	GSEA C2WANG_LSD1_TARGETS_UP
18	-7.19	2e-03	76	BP cell junction assembly
19	-7.19	2e-03	76	GSEA C2REACTOME_CELL_CELL_JUNCTION_ORGANIZATION
20	-6.94	2e-03	326	GSEA C2SENGUPTA_NASOPHARYNGEAL_CARCINOMA_DN



MLH1_adenomaHNPC

Local Summary

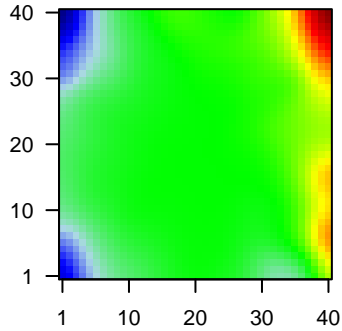
%DE = 0.91
 # metagenes = 16
 # genes = 388
 # genes in genesets = 382

 # genes with $fdr < 0.1$ = 344 (338 + / 6 -)
 # genes with $fdr < 0.05$ = 222 (217 + / 5 -)
 # genes with $fdr < 0.01$ = 0 (0 + / 0 -)

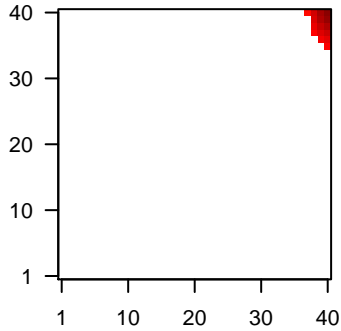
$\langle r \rangle$ metagenes = 0.99
 $\langle r \rangle$ genes = 0.78

 $\langle FC \rangle$ = 0.15
 $\langle t\text{-score} \rangle$ = -76.97
 $\langle p\text{-value} \rangle$ = 0.22
 $\langle fdr \rangle$ = 0.89

Profile



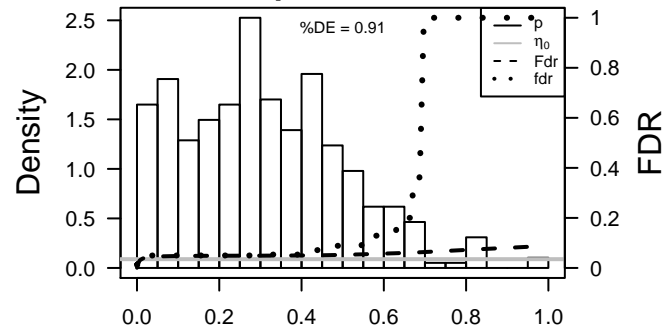
Spot



Local Genelist

Rank	ID	log(FC)	fdr	p-value	Description
1	ENSG00000000	-0.05	2e-05	0.01	37 x 40 claudin 18 [Source:HGNC Symbol;Acc:HGNC:2039]
2	ENSG00000001	-0.13	5e-04	0.01	37 x 40 secreted phosphoprotein 1 [Source:HGNC Symbol;Acc:HGNC:2039]
3	ENSG00000002	0.23	7e-04	0.02	40 x 40 NME/NM23 nucleoside diphosphate kinase 1 [Source:HGNC Symbol;Acc:HGNC:2039]
4	ENSG00000001	0.16	1e-03	0.05	40 x 40 transmembrane emp24 protein transport domain containing 3 [Source:HGNC Symbol;Acc:HGNC:2039]
5	ENSG00000001	0.12	6e-03	0.05	38 x 40 empamil binding protein-like [Source:HGNC Symbol;Acc:HGNC:2039]
6	ENSG00000001	-0.18	6e-03	0.05	38 x 40 chemokine (C-X-C motif) ligand 8 [Source:HGNC Symbol;Acc:HGNC:2039]
7	ENSG00000001	0.1	7e-03	0.05	39 x 39 ribophorin I [Source:HGNC Symbol;Acc:HGNC:10381]
8	ENSG00000001	0.21	8e-03	0.05	40 x 39 cell division cycle 20 [Source:HGNC Symbol;Acc:HGNC:1723]
9	ENSG00000001	0.04	1e-02	0.05	40 x 37 dimethylarginine dimethylaminohydrolase 1 [Source:HGNC Symbol;Acc:HGNC:2039]
10	ENSG00000001	0.17	1e-02	0.05	37 x 40 small nuclear ribonucleoprotein polypeptides B and B1 [Source:HGNC Symbol;Acc:HGNC:2039]
11	ENSG00000002	0.21	2e-02	0.05	40 x 39 centromere protein W [Source:HGNC Symbol;Acc:HGNC:214]
12	ENSG00000001	0.31	2e-02	0.05	40 x 40 malectin [Source:HGNC Symbol;Acc:HGNC:28973]
13	ENSG00000000	0.07	2e-02	0.05	40 x 39 solute carrier family 25, member 39 [Source:HGNC Symbol;Acc:HGNC:2039]
14	ENSG00000001	0.19	2e-02	0.05	39 x 39 cyclin B2 [Source:HGNC Symbol;Acc:HGNC:1580]
15	ENSG00000001	0.21	2e-02	0.05	39 x 40 heat shock 10kDa protein 1 [Source:HGNC Symbol;Acc:HGNC:2039]
16	ENSG00000001	0.25	2e-02	0.05	40 x 38 dCTP pyrophosphatase 1 [Source:HGNC Symbol;Acc:HGNC:2039]
17	ENSG00000000	0.22	2e-02	0.05	38 x 39 TPX2, microtubule-associated [Source:HGNC Symbol;Acc:HGNC:2039]
18	ENSG00000001	0.09	2e-02	0.05	40 x 35 cytochrome c oxidase assembly factor 4 homolog [Source:HGNC Symbol;Acc:HGNC:2039]
19	ENSG00000001	0.06	3e-02	0.05	37 x 40 isocitrate dehydrogenase 2 (NADP+), mitochondrial [Source:HGNC Symbol;Acc:HGNC:2039]
20	ENSG00000001	0.29	3e-02	0.05	40 x 40 high mobility group AT-hook 1 [Source:HGNC Symbol;Acc:HGNC:2039]

p-values



MLH1_adenomaHNPC

Local Summary

%DE = 0.89
 # metagenes = 3
 # genes = 126
 # genes in genesets = 122

 # genes with fdr < 0.1 = 93 (0 + / 93 -)
 # genes with fdr < 0.05 = 93 (0 + / 93 -)
 # genes with fdr < 0.01 = 26 (0 + / 26 -)

<r> metagenes = 1
 <r> genes = 0.86

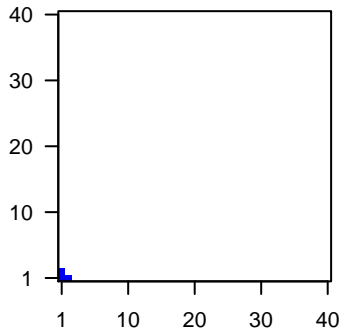
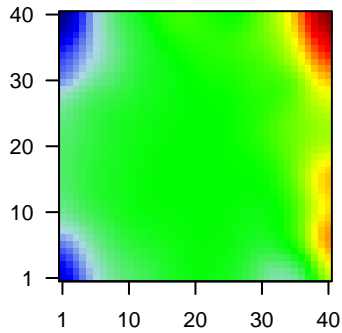
 <FC> = -0.13
 <t-score> = -80
 <p-value> = 0.05
 <fdr> = 0.59

Local Genelist

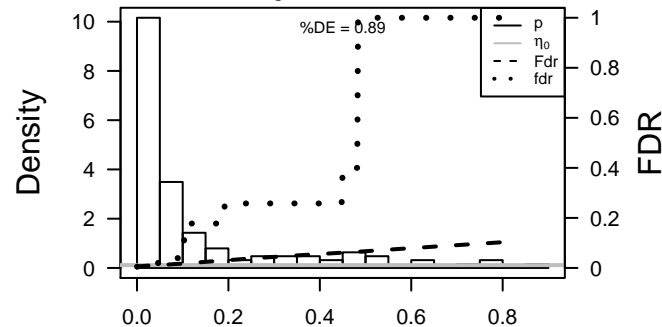
Rank	ID	log(FC)	p-value	fdr	Description
1	ENSG0000001	-0.1	1e-04	0.005	1 x 1 T-cell leukemia/lymphoma 1A [Source:HGNC Symbol;Acc:HGNC:1694]
2	ENSG0000001	-0.09	9e-04	0.005	1 x 1 CD69 molecule [Source:HGNC Symbol;Acc:HGNC:1694]
3	ENSG0000002	-0.13	1e-03	0.005	1 x 1 G-protein signaling modulator 3 [Source:HGNC Symbol;Acc:HGNC:1694]
4	ENSG0000001	-0.2	1e-03	0.008	1 x 1 pre-B lymphocyte 3 [Source:HGNC Symbol;Acc:HGNC:1271]
5	ENSG0000000	-0.11	2e-03	0.008	1 x 1 CD22 molecule [Source:HGNC Symbol;Acc:HGNC:1643]
6	ENSG0000001	-0.08	2e-03	0.008	2 x 1 ecotropic viral integration site 2A [Source:HGNC Symbol;Acc:HGNC:1694]
7	ENSG0000001	-0.3	5e-03	0.008	1 x 1 serglycin [Source:HGNC Symbol;Acc:HGNC:9361]
8	ENSG0000001	-0.34	5e-03	0.008	1 x 1 chemokine (C-X-C motif) ligand 13 [Source:HGNC Symbol;Acc:HGNC:1694]
9	ENSG0000001	-0.09	7e-03	0.008	1 x 1 macrophage expressed 1 [Source:HGNC Symbol;Acc:HGNC:1694]
10	ENSG0000001	-0.21	7e-03	0.008	1 x 1 CD53 molecule [Source:HGNC Symbol;Acc:HGNC:1686]
11	ENSG0000001	-0.19	7e-03	0.008	1 x 1 membrane-spanning 4-domains, subfamily A, member 1 [Source:HGNC Symbol;Acc:HGNC:1694]
12	ENSG0000001	-0.13	7e-03	0.008	1 x 1 chemokine (C-C motif) receptor 7 [Source:HGNC Symbol;Acc:HGNC:1694]
13	ENSG0000001	-0.17	8e-03	0.008	1 x 1 complement component (3d/Epstein Barr virus) receptor 2 [Source:HGNC Symbol;Acc:HGNC:1694]
14	ENSG0000001	-0.22	8e-03	0.008	1 x 1 complement component 3 [Source:HGNC Symbol;Acc:HGNC:1694]
15	ENSG0000001	-0.15	9e-03	0.008	1 x 1 Fc fragment of IgM receptor [Source:HGNC Symbol;Acc:HGNC:1694]
16	ENSG0000001	-0.09	9e-03	0.008	1 x 1 cytohesin 1 interacting protein [Source:HGNC Symbol;Acc:HGNC:1694]
17	ENSG0000001	-0.1	9e-03	0.008	1 x 1 CD19 molecule [Source:HGNC Symbol;Acc:HGNC:1633]
18	ENSG0000001	-0.48	9e-03	0.008	1 x 1 chemokine (C-C motif) ligand 21 [Source:HGNC Symbol;Acc:HGNC:1694]
19	ENSG0000001	-0.09	1e-02	0.008	1 x 1 Fc receptor-like A [Source:HGNC Symbol;Acc:HGNC:18504]
20	ENSG0000002	-0.22	1e-02	0.008	1 x 1 major histocompatibility complex, class II, DP alpha 1 [Source:HGNC Symbol;Acc:HGNC:1694]

Profile

Spot



p-values



MLH1_adenomaHNPC

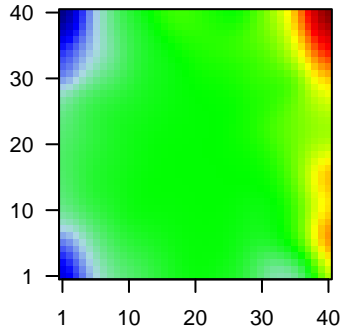
Local Summary

%DE = 0.98
 # metagenes = 13
 # genes = 234
 # genes in genesets = 231

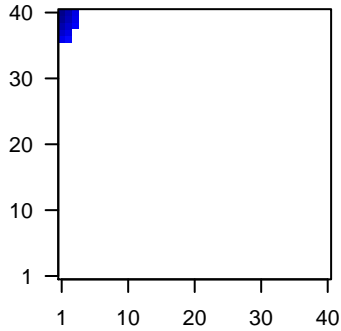
 # genes with $fdr < 0.1$ = 223 (1 + / 222 -)
 # genes with $fdr < 0.05$ = 223 (1 + / 222 -)
 # genes with $fdr < 0.01$ = 156 (1 + / 155 -)

$\langle r \rangle$ metagenes = 0.99
 $\langle r \rangle$ genes = 0.86
 $\langle FC \rangle$ = -0.16
 $\langle t\text{-score} \rangle$ = -82.49
 $\langle p\text{-value} \rangle$ = 0.05
 $\langle fdr \rangle$ = 0.6

Profile



Spot



Local Genelist

Rank	ID	log(FC)	p-value	fdr	Description
1	ENSG00000001	-0.11	2e-04	6e-04	1 x 40 calsequestrin 2 (cardiac muscle) [Source:HGNC Symbol;Acc:
2	ENSG00000001	-0.09	3e-04	6e-04	2 x 40 heart and neural crest derivatives expressed 2 [Source:HGNC
3	ENSG00000001	-0.13	3e-04	6e-04	1 x 40 supervillin [Source:HGNC Symbol;Acc:HGNC:11480]
4	ENSG00000001	-0.1	5e-04	6e-04	2 x 39 proline/arginine-rich end leucine-rich repeat protein [Source:
5	ENSG00000001	-0.12	5e-04	6e-04	1 x 40 family with sequence similarity 129, member A [Source:HGNC
6	ENSG00000001	-0.27	7e-04	6e-04	1 x 40 matrix Gla protein [Source:HGNC Symbol;Acc:HGNC:7060]
7	ENSG00000001	-0.08	8e-04	6e-04	3 x 40 junctophilin 2 [Source:HGNC Symbol;Acc:HGNC:14202]
8	ENSG00000001	-0.1	9e-04	1e-03	1 x 38 RAS-like, family 12 [Source:HGNC Symbol;Acc:HGNC:3028]
9	ENSG00000001	-0.1	1e-03	1e-03	2 x 40 potassium channel subfamily M regulatory beta subunit 1 [So
10	ENSG00000001	-0.08	1e-03	1e-03	2 x 40 heart and neural crest derivatives expressed 1 [Source:HGNC
11	ENSG00000001	-0.16	2e-03	1e-03	1 x 40 complement component 7 [Source:HGNC Symbol;Acc:HGNC
12	ENSG00000001	-0.2	2e-03	2e-03	1 x 40 dihydropyrimidinase-like 3 [Source:HGNC Symbol;Acc:HGNC
13	ENSG00000001	-0.07	3e-03	2e-03	3 x 40 butyrylcholinesterase [Source:HGNC Symbol;Acc:HGNC:983
14	ENSG00000001	-0.25	3e-03	2e-03	1 x 40 dermatopontin [Source:HGNC Symbol;Acc:HGNC:3011]
15	ENSG00000001	-0.11	3e-03	2e-03	1 x 40 nexilin (F actin binding protein) [Source:HGNC Symbol;Acc:H
16	ENSG00000001	-0.14	4e-03	2e-03	1 x 40 phosphoglucomutase 5 [Source:HGNC Symbol;Acc:HGNC:8
17	ENSG00000000	-0.07	4e-03	2e-03	3 x 40 ATPase, Na+/K+ transporting, alpha 2 polypeptide [Source:Hi
18	ENSG00000001	-0.28	4e-03	2e-03	1 x 40 polymerase I and transcript release factor [Source:HGNC Syr
19	ENSG00000001	-0.4	4e-03	2e-03	1 x 40 calponin 1, basic, smooth muscle [Source:HGNC Symbol;Acc
20	ENSG00000001	-0.12	5e-03	2e-03	1 x 40 FXFD domain containing ion transport regulator 6 [Source:HC

p-values

