

H4_mel

Global Summary

%DE = 0.2
 # genes with fdr < 0.2 = 2452 (1416 + / 1036 -)
 # genes with fdr < 0.1 = 1947 (1140 + / 807 -)
 # genes with fdr < 0.05 = 1526 (888 + / 638 -)
 # genes with fdr < 0.01 = 1004 (569 + / 435 -)
 # genes in genesets = 14839

<FC> = 0
 <shrinkage-t> = -0.1
 <p-value> = 0.09
 <fdr> = 0.8

Global Genelist

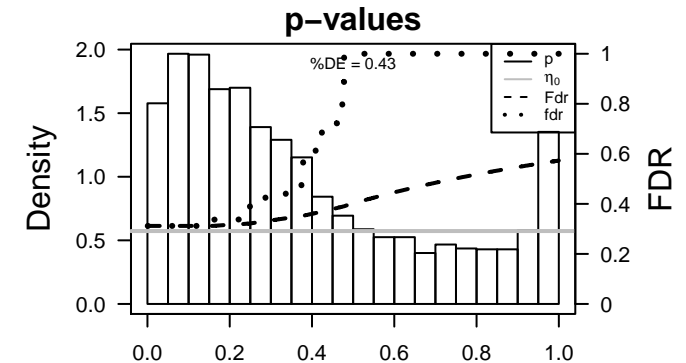
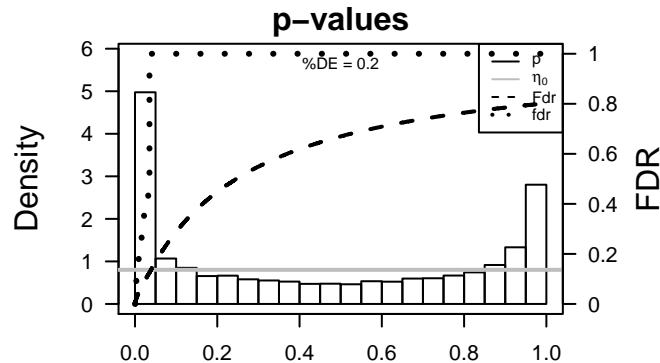
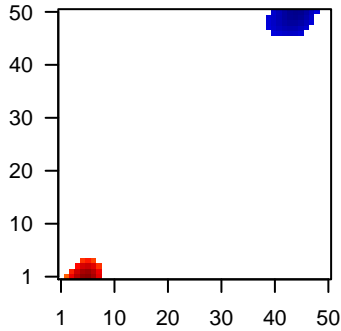
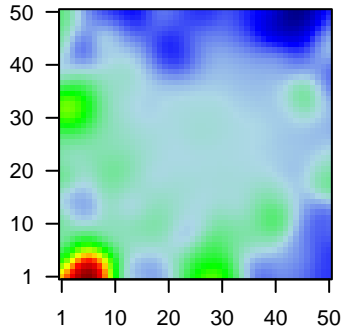
Rank	ID	log(FC)	fdr	p-value	Description
1	AP2M1	-1.33	2e-16	9e-14	44 x 50 adaptor-related protein complex 2, mu 1 subunit [Source:HGNC]
2	ATP5F1	-1.13	2e-16	9e-14	36 x 45 ATP synthase, H+ transporting, mitochondrial Fo complex, su
3	ATP6AP2	-1.82	2e-16	9e-14	44 x 45 ATPase, H+ transporting, lysosomal accessory protein 2 [Sou
4	C12orf57	-1.68	2e-16	9e-14	21 x 42 chromosome 12 open reading frame 57 [Source:HGNC Symt
5	CANX	-1.12	2e-16	9e-14	5 x 17 calnexin [Source:HGNC Symbol;Acc:HGNC:1473]
6	CISD1	-1.71	2e-16	9e-14	3 x 42 CDGSH iron sulfur domain 1 [Source:HGNC Symbol;Acc:HG
7	CLK1	-1.69	2e-16	9e-14	50 x 40 CDC-like kinase 1 [Source:HGNC Symbol;Acc:HGNC:2068]
8	COPB2	-1.86	2e-16	9e-14	50 x 39 coatamer protein complex, subunit beta 2 (beta prime) [Sourc
9	CRYZL1	-1.72	2e-16	9e-14	44 x 50 crystallin, zeta (quinone reductase)-like 1 [Source:HGNC Syr
10	EMC3	-1.93	2e-16	9e-14	5 x 43 ER membrane protein complex subunit 3 [Source:HGNC Syrr
11	FKBP3	-1.77	2e-16	9e-14	41 x 46 FK506 binding protein 3, 25kDa [Source:HGNC Symbol;Acc:1
12	GARS	-1.74	2e-16	9e-14	45 x 50 glycyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:4
13	GTF2A2	-1.9	2e-16	9e-14	45 x 49 general transcription factor IIA, 2, 12kDa [Source:HGNC Sym
14	ILK	-1.69	2e-16	9e-14	43 x 50 integrin-linked kinase [Source:HGNC Symbol;Acc:HGNC:60
15	JKAMP	-1.79	2e-16	9e-14	29 x 50 JNK1/MAPK8-associated membrane protein [Source:HGNC
16	MAGED2	-2.04	2e-16	9e-14	28 x 50 melanoma antigen family D2 [Source:HGNC Symbol;Acc:HG
17	MORF4L2	-1.18	2e-16	9e-14	50 x 39 mortality factor 4 like 2 [Source:HGNC Symbol;Acc:HGNC:16
18	MRPL22	-1.71	2e-16	9e-14	40 x 47 mitochondrial ribosomal protein L22 [Source:HGNC Symbol;A
19	PPA2	-1.9	2e-16	9e-14	38 x 50 pyrophosphatase (inorganic) 2 [Source:HGNC Symbol;Acc:H
20	PSMA3	-1.26	2e-16	9e-14	44 x 30 proteasome (prosome, macropain) subunit, alpha type, 3 [Sou

Global Geneset Analysis

Rank	GSZ	p-value	#all	Geneset
<i>Overexpressed</i>				
1	5.23	0.003	2972	Brain Mid_Frontal_Lobe_ReprPC
2	4.42	0.005	1037	Chr Chr 19
3	4.29	0.006	2142	Colon CaReprPC_Colon
4	4.1	0.007	1317	Colon CaReprPC_Colon
5	4.09	0.007	11	MF aldo-keto reductase (NADP) activity
6	4.01	0.007	1889	Colon CaReprPCWk_Colon
7	3.93	0.008	3396	LymphomaOPP_Repressed
8	3.76	0.009	8	GSEA C2ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_2HR
9	3.63	0.010	2159	Colon CaReprPC_Colon
10	3.62	0.010	208	GSEA C2RICKMAN_TUMOR_DIFFERENTIATED_WELL_VS_POORLY_UP
11	3.51	0.011	1079	Colon CaReprPC_Colon
12	3.46	0.012	4	GSEA C2CASTELLANO_HRAS_TARGETS_DN
13	3.44	0.012	6	GSEA C2DARWICHE_PAPILLOMA_RISK_HIGH_VS_LOW_UP
14	3.42	0.012	11	BP tRNA modification
15	3.31	0.014	135	GSEA C2WHITFIELD_CELL_CYCLE_G1_S
16	3.22	0.015	40	GSEA C2KEGG_AMINO_SUGAR_AND_NUCLEOTIDE_SUGAR_METABOL
17	3.17	0.015	216	GSEA C2WANG_CLIM2_TARGETS_UP
18	3.16	0.016	274	GSEA C2DEBIASI_APOPTOSIS_BY_REOVIRUS_INFECTION_DN
19	3.14	0.016	812	Brain Mid_Frontal_Lobe_TssP
20	3.04	0.018	138	GSEA C2KAUFFMANN_DNA_REPLICATION_GENES
<i>Underexpressed</i>				
1	-7.83	7e-04	9330	Brain Overlap_fetal_midbrain_ReprPC
2	-7.41	8e-04	7592	LymphomaOPP_Active_promoter
3	-6.55	1e-03	6929	LymphomaOPP_Txn_elongation
4	-6.51	1e-03	104	GSEA C2LAIHO_COLORECTAL_CANCER_SERRATED_UP
5	-6.26	2e-03	9482	Colon CaReprPC_Colon
6	-6.05	2e-03	2	TF MYC_ECM cell adhesion DOWN
7	-5.92	2e-03	510	GSEA C2FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_OK_VS_DONOR
8	-5.74	2e-03	23	miRNA target-miR-1227
9	-5.62	2e-03	233	GSEA C2PENG_RAPAMYCIN_RESPONSE_DN
10	-5.52	3e-03	95	GSEA C2SHAFFER_IRF4_TARGETS_IN_MYELOMA_VS_MATURE_B_LY
11	-5.44	3e-03	7209	LymphomaOPP_Weak_promoter
12	-5.03	3e-03	9	TF MYC_Targets DOWN
13	-4.89	4e-03	385	GSEA C2REN_ALVEOLAR_RHABDOMYOSARCOMA_DN
14	-4.84	4e-03	5184	LymphomaOPP_Txn_transition
15	-4.65	5e-03	10	GSEA C2HEDVAT_ELF4_TARGETS_UP
16	-4.61	5e-03	298	GSEA C2TARTE_PLASMA_CELL_VS_PLASMABLAST_DN
17	-4.54	5e-03	5940	Brain Overlap_fetal_midbrain_HetRpts
18	-4.51	5e-03	18	MF 2 iron, 2 sulfur cluster binding
19	-4.5	5e-03	10	CC ER membrane protein complex
20	-4.4	5e-03	555	GSEA C2SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_DN

Profile

Regulated Spots



H4_mel

Local Summary

%DE = 0.99
 # metagenes = 21
 # genes = 323
 # genes in genesets = 319

 # genes with $fdr < 0.1$ = 321 (321 + / 0 -)
 # genes with $fdr < 0.05$ = 318 (318 + / 0 -)
 # genes with $fdr < 0.01$ = 318 (318 + / 0 -)

<r> metagenes = 0.89

<r> genes = 0.15

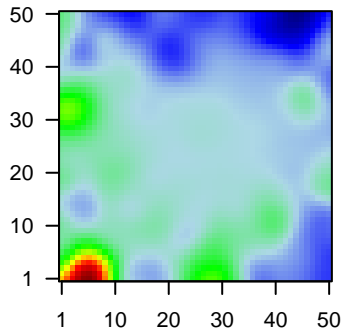
<FC> = 1.14

<shrinkage-t> = 17.37

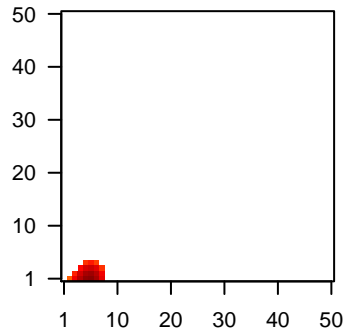
<p-value> = 0

<fdr> = 0.07

Profile



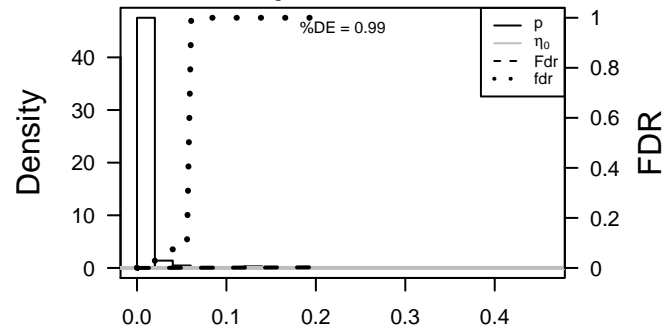
Spot



Local Genelist

Rank	ID	log(FC)	p-value	fdr	Description
1	NINL	2.26	2e-15	3e-13	6 x 1 ninein-like [Source:HGNC Symbol;Acc:HGNC:29163]
2	C14orf93	2.1	2e-13	2e-12	7 x 1 chromosome 14 open reading frame 93 [Source:HGNC Synt
3	NPL	2.03	1e-12	9e-12	6 x 1 N-acetylneuraminate pyruvate lyase (dihydrodipicolinate synt
4	TMEM164	1.95	9e-12	9e-12	6 x 1 transmembrane protein 164 [Source:HGNC Symbol;Acc:HGN
5	CFP	1.94	1e-11	3e-11	6 x 1 complement factor properdin [Source:HGNC Symbol;Acc:HG
6	RANBP3L	1.9	3e-11	9e-11	6 x 1 RAN binding protein 3-like [Source:HGNC Symbol;Acc:HGN
7	WWC1	1.86	8e-11	9e-11	6 x 1 WW and C2 domain containing 1 [Source:HGNC Symbol;Acc
8	FCN3	1.84	1e-10	2e-10	6 x 1 ficolin (collagen/fibrinogen domain containing) 3 [Source:HG
9	ACTN2	1.81	3e-10	5e-10	5 x 1 actinin, alpha 2 [Source:HGNC Symbol;Acc:HGNC:164]
10	FAM154B	1.77	7e-10	5e-10	6 x 1
11	SEMA3B	1.76	8e-10	7e-10	5 x 1 sema domain, immunoglobulin domain (Ig), short basic doma
12	ICAM1	1.73	1e-09	7e-10	5 x 1 intercellular adhesion molecule 1 [Source:HGNC Symbol;Acc
13	TSSK3	1.72	2e-09	7e-10	6 x 1 testis-specific serine kinase 3 [Source:HGNC Symbol;Acc:HK
14	BCAN	1.71	2e-09	7e-10	7 x 1 brevican [Source:HGNC Symbol;Acc:HGNC:23059]
15	ITGA5	1.69	3e-09	7e-10	7 x 2 integrin, alpha 5 (fibronectin receptor, alpha polypeptide) [So
16	WNK2	1.69	3e-09	7e-10	5 x 1 WNK lysine deficient protein kinase 2 [Source:HGNC Symbol
17	OR9G1	1.69	3e-09	7e-10	5 x 1 olfactory receptor, family 9, subfamily G, member 1 [Source:-
18	TMEM79	1.69	4e-09	8e-10	6 x 1 transmembrane protein 79 [Source:HGNC Symbol;Acc:HGNC
19	ZNF600	1.68	4e-09	2e-09	6 x 1 zinc finger protein 600 [Source:HGNC Symbol;Acc:HGNC:30
20	CCDC122	1.67	5e-09	2e-09	6 x 1 coiled-coil domain containing 122 [Source:HGNC Symbol;Ac

p-values



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Local Summary

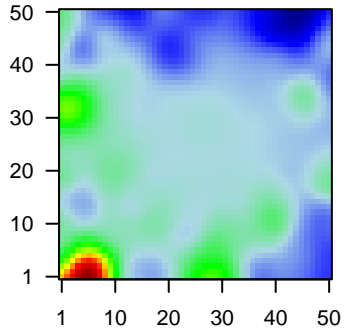
%DE = 0.79
 # metagenes = 41
 # genes = 380
 # genes in genesets = 379

 # genes with $fdr < 0.1$ = 229 (21 + / 208 -)
 # genes with $fdr < 0.05$ = 179 (16 + / 163 -)
 # genes with $fdr < 0.01$ = 119 (9 + / 110 -)

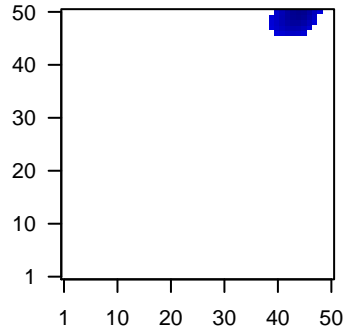
$\langle r \rangle$ metagenes = 0.83
 $\langle r \rangle$ genes = 0.07

 $\langle FC \rangle$ = -0.53
 $\langle \text{shrinkage-t} \rangle$ = -9.43
 $\langle p\text{-value} \rangle$ = 0
 $\langle fdr \rangle$ = 0.52

Profile



Spot



Local Genelist

Rank	ID	log(FC)	p-value	fdr	Description
1	AP2M1	-1.33	2e-16	2e-15	44 x 50 adaptor-related protein complex 2, mu 1 subunit [Source:HGNC]
2	CRYZL1	-1.72	2e-16	2e-15	44 x 50 crystallin, zeta (quinone reductase)-like 1 [Source:HGNC Syr]
3	FKBP3	-1.77	2e-16	2e-15	41 x 46 FK506 binding protein 3, 25kDa [Source:HGNC Symbol;Acc:I]
4	GARS	-1.74	2e-16	2e-15	45 x 50 glycyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:4]
5	GTF2A2	-1.9	2e-16	2e-15	45 x 49 general transcription factor IIA, 2, 12kDa [Source:HGNC Sym]
6	ILK	-1.69	2e-16	2e-15	43 x 50 integrin-linked kinase [Source:HGNC Symbol;Acc:HGNC:60]
7	MRPL22	-1.71	2e-16	2e-15	40 x 47 mitochondrial ribosomal protein L22 [Source:HGNC Symbol;#]
8	SLC25A4	-1.85	2e-16	2e-15	41 x 47 solute carrier family 25 (mitochondrial carrier; adenine nucleo
9	SNX2	-1.92	2e-16	2e-15	39 x 48 sorting nexin 2 [Source:HGNC Symbol;Acc:HGNC:11173]
10	TMEM9	-1.76	2e-16	2e-15	39 x 47 transmembrane protein 9 [Source:HGNC Symbol;Acc:HGNC:
11	YIPF3	-1.99	2e-16	2e-15	45 x 50 Yip1 domain family, member 3 [Source:HGNC Symbol;Acc:Hi]
12	SYPL1	-1.26	2e-14	8e-13	42 x 48 synaptophysin-like 1 [Source:HGNC Symbol;Acc:HGNC:115]
13	VPS26A	-1.64	2e-14	8e-13	40 x 50 vacuolar protein sorting 26 homolog A (S. pombe) [Source:HK]
14	GRN	-1.15	3e-14	1e-11	46 x 48 granulin [Source:HGNC Symbol;Acc:HGNC:4601]
15	USP16	-1.61	2e-13	2e-11	40 x 46 ubiquitin specific peptidase 16 [Source:HGNC Symbol;Acc:Hi]
16	REEP5	-1.38	4e-13	4e-11	46 x 49 receptor accessory protein 5 [Source:HGNC Symbol;Acc:HG]
17	BCAP29	-1.35	1e-12	4e-11	41 x 47 B-cell receptor-associated protein 29 [Source:HGNC Symbo
18	WIP1	-1.18	1e-12	2e-10	47 x 49 WD repeat domain, phosphoinositide interacting 1 [Source:Hi]
19	LSM10	-1.56	8e-12	2e-10	46 x 50 LSM10, U7 small nuclear RNA associated [Source:HGNC Sy
20	PGD	-1.56	8e-12	2e-10	42 x 50 phosphogluconate dehydrogenase [Source:HGNC Symbol;Ac

p-values

