H12_mel

Global Summary

%DE = 0.19

genes with fdr < 0.2 = 1991 (1303 + / 688 −)

genes with fdr < 0.1 = 1416 (979 + / 437 −)

genes with fdr < 0.05 = 1081 (774 + / 307 −)

genes with fdr < 0.01 = 496 (381 + / 115 −)

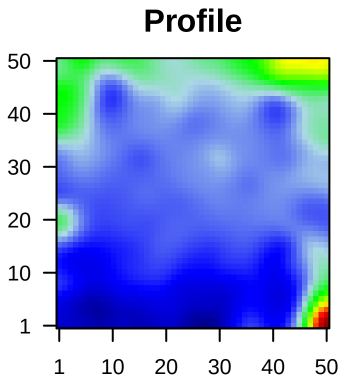
genes in genesets = 14839

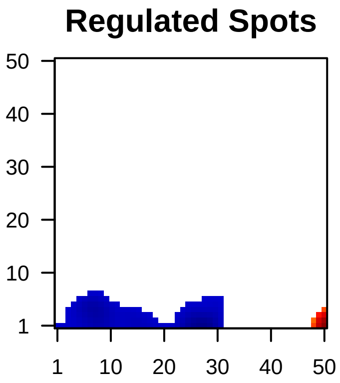
<FC> = 0

<shrinkage−t> = 0.14

<p−value> = 0.13

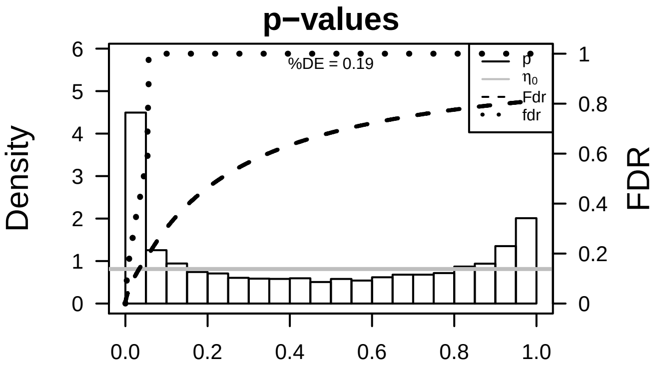
<fdr> = 0.81





Global Genelist

Rank	ID	log(FC)	p−value	fdr	Metagene	Description
1	ANXA1	1.91	2e−16	2e−13	50 x 1	annexin A1 [Source:HGNC Symbol;Acc:HGNC:533]
2	CLHC1	1.72	2e−16	2e−13	49 x 23	clathrin heavy chain linker domain containing 1 [Source:HGN
3	CRYAB	1.26	2e−16	2e−13	50 x 1	crystallin, alpha B [Source:HGNC Symbol;Acc:HGNC:2389]
4	DKK1	2.01	2e−16	2e−13	50 x 1	dickkopf WNT signaling pathway inhibitor 1 [Source:HGNC S
5	FN1	1.82	2e−16	2e−13	50 x 1	fibronectin 1 [Source:HGNC Symbol;Acc:HGNC:3778]
6	HGS	−1.13	2e−16	2e−13	4 x 3	hepatocyte growth factor−regulated tyrosine kinase substrate
7	HINT1	0.86	2e−16	2e−13	5 x 36	histidine triad nucleotide binding protein 1 [Source:HGNC Sy
8	IL24	2.78	2e−16	2e−13	50 x 3	interleukin 24 [Source:HGNC Symbol;Acc:HGNC:11346]
9	KRTAP21−2	2.16	2e−16	2e−13	44 x 13	keratin associated protein 21−2 [Source:HGNC Symbol;Acc:
10	MGP	2.08	2e−16	2e−13	37 x 38	matrix Gla protein [Source:HGNC Symbol;Acc:HGNC:7060]
11	S100A4	1.68	2e−16	2e−13	50 x 1	S100 calcium binding protein A4 [Source:HGNC Symbol;Acc:
12	TAGLN	1.69	2e−16	2e−13	50 x 6	transgelin [Source:HGNC Symbol;Acc:HGNC:11553]
13	TTR	2.58	2e−16	2e−13	30 x 23	transthyretin [Source:HGNC Symbol;Acc:HGNC:12405]
14	CEP97	1.56	4e−16	1e−12	2 x 47	centrosomal protein 97kDa [Source:HGNC Symbol;Acc:HGN
15	MMP1	1.66	4e−16	1e−12	48 x 27	matrix metallopeptidase 1 [Source:HGNC Symbol;Acc:HGNC
16	A2M	1.65	7e−16	3e−12	50 x 1	alpha−2−macroglobulin [Source:HGNC Symbol;Acc:HGNC:7
17	S100B	1.64	7e−16	3e−12	11 x 41	S100 calcium binding protein B [Source:HGNC Symbol;Acc:
18	SPARC	0.82	9e−16	1e−10	50 x 2	secreted protein, acidic, cysteine−rich (osteonectin) [Source:
19	VTN	1.58	9e−15	1e−10	50 x 1	vitronectin [Source:HGNC Symbol;Acc:HGNC:12724]
20	RGS4	1.56	2e−14	3e−10	50 x 1	regulator of G−protein signaling 4 [Source:HGNC Symbol;Ac



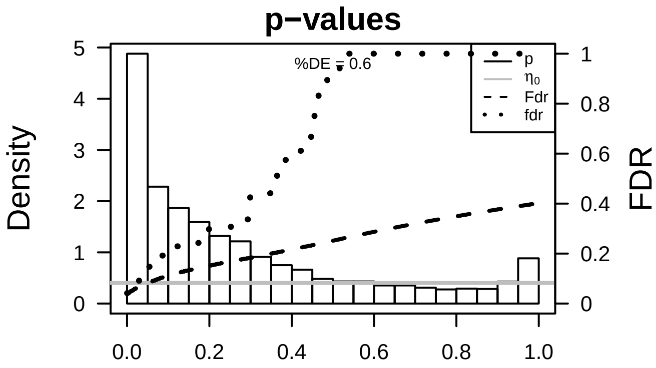
Global Geneset Analysis

Overexpressed

Rank	GSZ	p−value	#all	Geneset	
1	13.39	8e−05	2193	CC	extracellular exosome
2	12.43	1e−04	1126	GSEA C2	BLALOCK_ALZHEIMERS_DISEASE_DN
3	12.31	1e−04	3132	CC	extracellular region
4	11.28	2e−04	1468	CC	mitochondrion
5	10.97	2e−04	478	GSEA C2	STARK_PREFRONTAL_CORTEX_22Q11_DELETION_DN
6	10.58	2e−04	619	GSEA C2	KIM_BIPOLAR_DISORDER_OLIGODENDROCYTE_DENSITY_C
7	10.54	2e−04	385	GSEA C2	REN_ALVEOLAR_RHABDOMYOSARCOMA_DN
8	10.5	2e−04	309	GSEA C2	GOLDRATH_ANTIGEN_RESPONSE
9	10.43	2e−04	1326	GSEA C2	DIAZ_CHRONIC_MEYLOGENOUS_LEUKEMIA_UP
10	10.36	2e−04	8205	CC	cytoplasm
11	9.85	3e−04	324	GSEA C2	GRUETZMANN_PANCREATIC_CANCER_UP
12	9.77	3e−04	800	GSEA C2	ACEVEDO_LIVER_TUMOR_VS_NORMAL_ADJACENT_TISSUE_
13	9.77	3e−04	536	GSEA C2	TIEN_INTESTINE_PROBIOTICS_24HR_UP
14	9.68	3e−04	182	GSEA C2	CHIANG_LIVER_CANCER_SUBCLASS_UNANNOTATED_DN
15	9.64	3e−04	168	HM	HALLMARK_EPITHELIAL_MESENCHYMAL_TRANSITION
16	9.56	3e−04	341	GSEA C2	RHEIN_ALL_GLUCOCORTICOID_THERAPY_DN
17	9.35	3e−04	685	GSEA C2	KIM_ALL_DISORDERS_OLIGODENDROCYTE_NUMBER_CORR
18	9.3	3e−04	167	GSEA C2	YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTE
19	8.96	4e−04	1171	TF	KIM_MYC targets
20	8.91	4e−04	181	GSEA C2	ALONSO_METASTASIS_UP

Underexpressed

Rank	GSZ	p−value	#all	Geneset	
1	−9.41	3e−04	2037	MF	DNA binding
2	−8.42	5e−04	1664	BP	transcription, DNA−templated
3	−8.32	5e−04	1565	BP	regulation of transcription, DNA−templated
4	−7.64	7e−04	304	GSEA C2	GINESTIER_BREAST_CANCER_ZNF217_AMPLIFIED_DN
5	−7.59	8e−04	1033	MF	nucleic acid binding
6	−6.98	1e−03	966	GSEA C2	PEREZ_TP53_TARGETS
7	−6.94	1e−03	2211	Lymphoma	HOPP_Repetitive
8	−6.77	1e−03	2013	TF	ICGC_Bcl11_targets
9	−6.46	1e−03	820	MF	sequence−specific DNA binding transcription factor activity
10	−6.45	1e−03	830	MF	nucleic acid binding transcription factor activity
11	−6.29	2e−03	1079	Colon Cancer	ZNF_Colon
12	−6.1	2e−03	2927	TF	ICGC_Rad21_targets
13	−5.99	2e−03	376	MF	chromatin binding
14	−5.83	2e−03	441	BP	negative regulation of transcription, DNA−templated
15	−5.47	3e−03	3897	Colon Cancer	Quies1_Colon
16	−5.43	3e−03	1386	Colon Cancer	Het_Colon
17	−5.39	3e−03	15	MF	lysine−acetylated histone binding
18	−5.37	3e−03	1038	Colon Cancer	HetRpts_Colon
19	−5.26	3e−03	481	BP	positive regulation of transcription, DNA−templated
20	−5.15	3e−03	833	GSEA C2	DACOSTA_UV_RESPONSE_VIA_ERCC3_DN



H12_mel

Local Summary

%DE = 0.92

metagenes = 9

genes = 192

genes in genesets = 192

genes with fdr < 0.1 = 153 (148 + / 5 −)

genes with fdr < 0.05 = 140 (138 + / 2 −)

genes with fdr < 0.01 = 128 (127 + / 1 −)

<r> metagenes = 0.99

<r> genes = 0.23

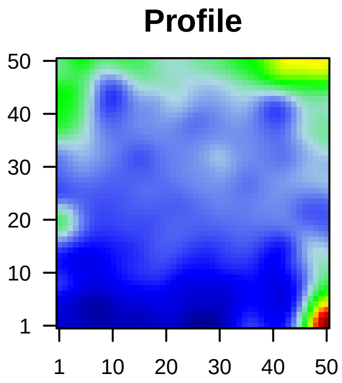
<FC> = 0.67

<shrinkage−t> = 10.59

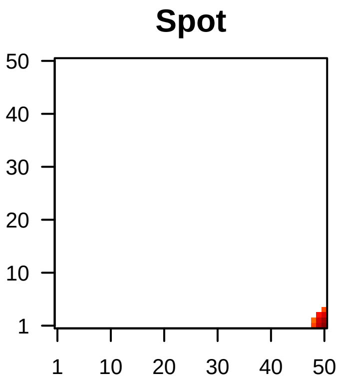
<p−value> = 0

<fdr> = 0.28

Profile



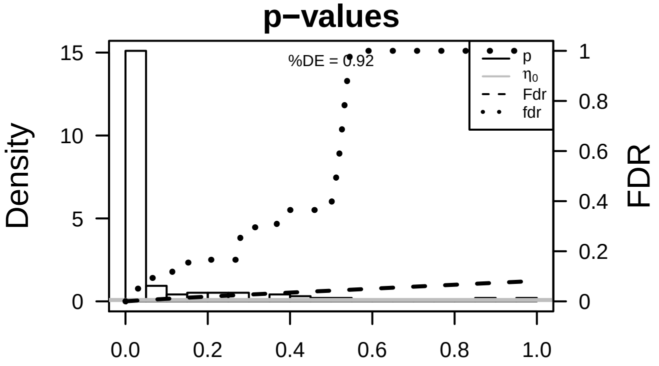
Spot



Local Genelist

Rank	ID	log(FC)	p−value	fdr	Metagene	Description
1	ANXA1	1.91	2e−16	6e−16	50 x 1	annexin A1 [Source:HGNC Symbol;Acc:HGNC:533]
2	CRYAB	1.26	2e−16	6e−16	50 x 1	crystallin, alpha B [Source:HGNC Symbol;Acc:HGNC:2389]
3	DKK1	2.01	2e−16	6e−16	50 x 1	dickkopf WNT signaling pathway inhibitor 1 [Source:HGNC S
4	FN1	1.82	2e−16	6e−16	50 x 1	fibronectin 1 [Source:HGNC Symbol;Acc:HGNC:3778]
5	IL24	2.78	2e−16	6e−16	50 x 3	interleukin 24 [Source:HGNC Symbol;Acc:HGNC:11346]
6	S100A4	1.68	2e−16	6e−16	50 x 1	S100 calcium binding protein A4 [Source:HGNC Symbol;Acc:
7	A2M	1.65	7e−16	5e−15	50 x 1	alpha−2−macroglobulin [Source:HGNC Symbol;Acc:HGNC:7
8	SPARC	0.82	9e−16	1e−13	50 x 2	secreted protein, acidic, cysteine−rich (osteonectin) [Source:
9	VTN	1.58	9e−15	1e−13	50 x 1	vitronectin [Source:HGNC Symbol;Acc:HGNC:12724]
10	RGS4	1.56	2e−14	4e−13	50 x 1	regulator of G−protein signaling 4 [Source:HGNC Symbol;Ac
11	RGS2	1.53	6e−14	4e−13	49 x 1	regulator of G−protein signaling 2 [Source:HGNC Symbol;Ac
12	TXNIP	1.52	7e−14	2e−10	50 x 1	thioredoxin interacting protein [Source:HGNC Symbol;Acc:H
13	ACTA2	1.38	1e−11	2e−10	50 x 1	actin, alpha 2, smooth muscle, aorta [Source:HGNC Symbol;
14	TRIM22	1.35	3e−11	2e−10	50 x 3	tripartite motif containing 22 [Source:HGNC Symbol;Acc:HG
15	HIST1H2AC	1.34	4e−11	9e−10	50 x 1	histone cluster 1, H2ac [Source:HGNC Symbol;Acc:HGNC:4
16	EFNA1	1.3	2e−10	9e−10	50 x 1	ephrin−A1 [Source:HGNC Symbol;Acc:HGNC:3221]
17	S100A16	1.3	2e−10	9e−10	50 x 3	S100 calcium binding protein A16 [Source:HGNC Symbol;Ac
18	NT5E	1.29	3e−10	9e−10	50 x 1	5'−nucleotidase, ecto (CD73) [Source:HGNC Symbol;Acc:HG
19	SERPINI1	1.28	3e−10	5e−09	50 x 1	serpin peptidase inhibitor, clade I (neuroserpin), member 1 [S
20	TFPI	1.26	6e−10	1e−08	50 x 1	tissue factor pathway inhibitor (lipoprotein−associated coagul

p−values



H12_mel

Local Summary

%DE = 0.27

metagenes = 133

genes = 1554

genes in genesets = 1513

genes with fdr < 0.1 = 152 (29 + / 123 −)

genes with fdr < 0.05 = 95 (20 + / 75 −)

genes with fdr < 0.01 = 32 (11 + / 21 −)

<r> metagenes = 0.5

<r> genes = 0.09

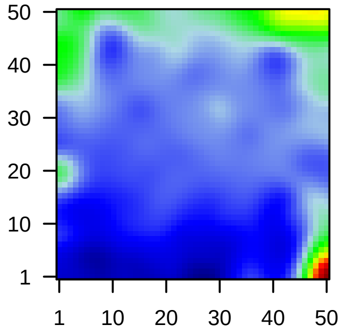
<FC> = −0.16

<shrinkage−t> = −2.47

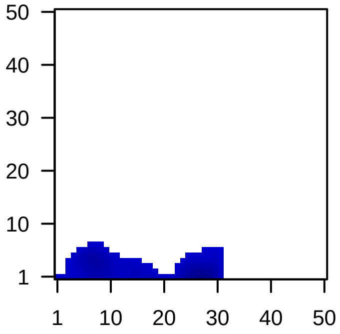
<p−value> = 0.13

<fdr> = 0.81

Profile



Spot



Local Genelist

Rank	ID	log(FC)	p−value	fdr	Metagene	Description
1	HGS	−1.13	2e−16	3e−13	4 x 3	hepatocyte growth factor−regulated tyrosine kinase substrate
2	PRPF4B	−1.17	3e−10	1e−05	27 x 1	pre−mRNA processing factor 4B [Source:HGNC Symbol;Acc:
3	KANSL1	−1.13	1e−08	1e−05	8 x 1	KAT8 regulatory NSL complex subunit 1 [Source:HGNC Sym
4	CASP8	1.14	2e−08	4e−04	14 x 1	caspase 8, apoptosis−related cysteine peptidase [Source:HG
5	TSPAN31	1.03	4e−07	1e−03	23 x 2	tetraspanin 31 [Source:HGNC Symbol;Acc:HGNC:10539]
6	MYCBP	0.97	2e−06	1e−03	11 x 2	MYC binding protein [Source:HGNC Symbol;Acc:HGNC:755
7	ANKRD11	−0.95	2e−06	1e−03	3 x 1	ankyrin repeat domain 11 [Source:HGNC Symbol;Acc:HGNC
8	GUF1	−0.95	3e−06	3e−03	1 x 1	GUF1 GTPase homolog (S. cerevisiae) [Source:HGNC Symb
9	DNASE1L1	0.9	9e−06	3e−03	3 x 2	deoxyribonuclease I−like 1 [Source:HGNC Symbol;Acc:HGN
10	MUTYH	0.9	1e−05	3e−03	15 x 1	mutY homolog [Source:HGNC Symbol;Acc:HGNC:7527]
11	FAM120A	−0.88	1e−05	3e−03	25 x 1	family with sequence similarity 120A [Source:HGNC Symbol;
12	ZNF12	−0.87	2e−05	3e−03	12 x 2	zinc finger protein 12 [Source:HGNC Symbol;Acc:HGNC:129
13	LMAN2L	0.87	2e−05	3e−03	1 x 1	lectin, mannose−binding 2−like [Source:HGNC Symbol;Acc:
14	TERF1	−0.86	2e−05	4e−03	13 x 4	telomeric repeat binding factor (NIMA−interacting) 1 [Source:
15	EID1	−0.34	3e−05	4e−03	5 x 5	EP300 interacting inhibitor of differentiation 1 [Source:HGNC
16	BRD4	−0.85	3e−05	4e−03	25 x 1	bromodomain containing 4 [Source:HGNC Symbol;Acc:HGN
17	C17orf70	−0.84	4e−05	4e−03	21 x 1	chromosome 17 open reading frame 70 [Source:HGNC Sym
18	NCOA6	−0.84	4e−05	4e−03	9 x 4	nuclear receptor coactivator 6 [Source:HGNC Symbol;Acc:H
19	TAF10	0.83	4e−05	4e−03	21 x 1	TAF10 RNA polymerase II, TATA box binding protein (TBP)−a
20	ANKRD37	0.83	5e−05	4e−03	20 x 1	ankyrin repeat domain 37 [Source:HGNC Symbol;Acc:HGNC

p−values