

B6_mel

Global Summary

%DE = 0.21
 # genes with $fdr < 0.2$ = 2845 (1711 + / 1134 -)
 # genes with $fdr < 0.1$ = 2294 (1405 + / 889 -)
 # genes with $fdr < 0.05$ = 1907 (1179 + / 728 -)
 # genes with $fdr < 0.01$ = 1148 (708 + / 440 -)
 # genes in genesets = 14839

<FC> = 0
 <shrinkage-t> = 0.03
 <p-value> = 0.08
 <fdr> = 0.79

Global Genelist

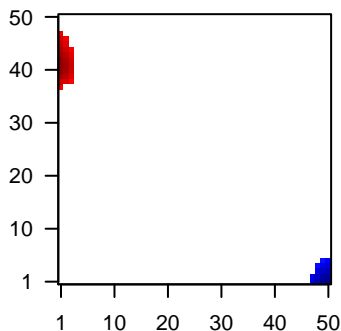
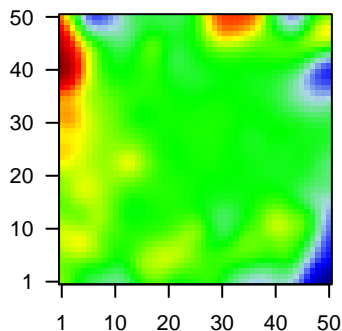
Rank	ID	log(FC)	p-value	fdr	Description
1	CEP97	2.09	2e-16	1e-13	2 x 47 centrosomal protein 97kDa [Source:HGNC Symbol;Acc:HGNC:10000]
2	CRYAB	-1.82	2e-16	1e-13	50 x 1 crystallin, alpha B [Source:HGNC Symbol;Acc:HGNC:2389]
3	DERL2	-1.26	2e-16	1e-13	6 x 41 derlin 2 [Source:HGNC Symbol;Acc:HGNC:17943]
4	EIF2A	-1.42	2e-16	1e-13	50 x 12 eukaryotic translation initiation factor 2A, 65kDa [Source:HGNC Symbol;Acc:HGNC:2085]
5	GDI2	-1.62	2e-16	1e-13	14 x 46 GDP dissociation inhibitor 2 [Source:HGNC Symbol;Acc:HGNC:2085]
6	HERPUD1	-1.49	2e-16	1e-13	50 x 42 homocysteine-inducible, endoplasmic reticulum stress-inducible protein 1 [Source:HGNC Symbol;Acc:HGNC:2085]
7	HN1	-1.67	2e-16	1e-13	47 x 39 hematological and neurological expressed 1 [Source:HGNC Symbol;Acc:HGNC:2085]
8	HPS1	-1.64	2e-16	1e-13	1 x 37 Hermansky-Pudlak syndrome 1 [Source:HGNC Symbol;Acc:HGNC:2085]
9	HSD17B4	-1.63	2e-16	1e-13	11 x 50 hydroxysteroid (17-beta) dehydrogenase 4 [Source:HGNC Symbol;Acc:HGNC:2085]
10	IFI16	-1.73	2e-16	1e-13	31 x 12 interferon, gamma-inducible protein 16 [Source:HGNC Symbol;Acc:HGNC:2085]
11	MLIP	-1.49	2e-16	1e-13	3 x 44 muscular LMNA-interacting protein [Source:HGNC Symbol;Acc:HGNC:2085]
12	MRPS6	-1.89	2e-16	1e-13	50 x 3 mitochondrial ribosomal protein S6 [Source:HGNC Symbol;Acc:HGNC:2085]
13	PABPC4	-1.64	2e-16	1e-13	50 x 7 poly(A) binding protein, cytoplasmic 4 (inducible form) [Source:HGNC Symbol;Acc:HGNC:2085]
14	PHB2	-1.68	2e-16	1e-13	22 x 48 prohibitin 2 [Source:HGNC Symbol;Acc:HGNC:30306]
15	PHF20	-1.17	2e-16	1e-13	22 x 43 PHD finger protein 20 [Source:HGNC Symbol;Acc:HGNC:16000]
16	PMP22	-1.53	2e-16	1e-13	48 x 1 peripheral myelin protein 22 [Source:HGNC Symbol;Acc:HGNC:2085]
17	TFG	-1.65	2e-16	1e-13	39 x 45 TRK-fused gene [Source:HGNC Symbol;Acc:HGNC:11758]
18	UBXN1	-1.59	2e-16	1e-13	50 x 39 UBX domain protein 1 [Source:HGNC Symbol;Acc:HGNC:18000]
19	ZNF706	-1.47	2e-16	1e-13	45 x 50 zinc finger protein 706 [Source:HGNC Symbol;Acc:HGNC:24000]
20	SNX14	-1.53	7e-16	5e-12	39 x 50 sorting nexin 14 [Source:HGNC Symbol;Acc:HGNC:14977]

Global Geneset Analysis

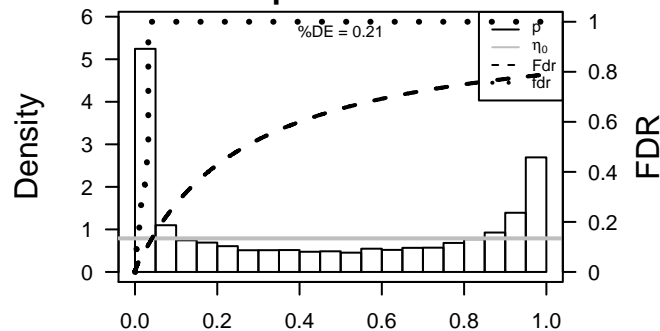
Rank	GSZ	p-value	#all	Geneset
<i>Overexpressed</i>				
1	8.44	5e-04	198	HM HALLMARK_OXIDATIVE_PHOSPHORYLATION
2	8.34	5e-04	135	BP cellular metabolic process
3	8.25	6e-04	114	GSEA C2REACTOME_TCA_CYCLE_AND_RESPIRATORY_ELECTRON_TRANSPORT_CHAIN
4	7.78	7e-04	368	GSEA C2STEIN_ESRRA_TARGETS_UP
5	7.48	8e-04	405	GSEA C2SMOOTHA_HUMAN_MITODB_6_2002
6	6.73	1e-03	500	GSEA C2STEIN_ESRRA_TARGETS
7	6.38	1e-03	94	BP respiratory electron transport chain
8	6.27	2e-03	78	GSEA C2REACTOME_RESPIRATORY_ELECTRON_TRANSPORT_ATP_SYNTHASE
9	6.26	2e-03	28	GSEA C2KEGG_CITRATE_CYCLE_TCA_CYCLE
10	6.15	2e-03	401	CC mitochondrial inner membrane
11	6.01	2e-03	62	GSEA C2REACTOME_RESPIRATORY_ELECTRON_TRANSPORT
12	5.9	2e-03	1468	CC mitochondrion
13	5.83	2e-03	28	BP tricarboxylic acid cycle
14	5.82	2e-03	38	GSEA C2REACTOME_G2_M_CHECKPOINTS
15	5.77	2e-03	40	GSEA C2REACTOME_PYRUVATE_METABOLISM_AND_CITRIC_ACID_CYCLE
16	5.75	2e-03	107	GSEA C2KEGG_OXIDATIVE_PHOSPHORYLATION
17	5.64	2e-03	834	GSEA C2LEE_BMP2_TARGETS_DN
18	5.48	3e-03	19	GSEA C2REACTOME_CITRIC_ACID_CYCLE_TCA_CYCLE
19	5.45	3e-03	102	GSEA C2KEGG_PARKINSONS_DISEASE
20	5.39	3e-03	85	GSEA C2SMOOTHA_VOXPHOS
<i>Underexpressed</i>				
1	-5.29	0.003	234	GSEA C2L_U_AGING_BRAIN_UP
2	-4.86	0.004	166	GSEA C2RODWELL_AGING_KIDNEY_NO_BLOOD_UP
3	-4.62	0.005	221	GSEA C2DANG_REGULATED_BY_MYC_DN
4	-4.52	0.005	91	GSEA C2BROWNE_HCMV_INFECTION_20HR_DN
5	-4.39	0.005	390	Colon CaRectrack_CRC_TCGA_corr_C_normal_UP
6	-4.39	0.006	472	GSEA C2OUTERTRE ESTRADIOL_RESPONSE_24HR_DN
7	-4.23	0.006	157	miRNA target-miR-141
8	-4.23	0.006	212	GSEA C2ZWANG_DOWN_BY_2ND_EGF_PULSE
9	-4.14	0.007	121	GSEA C2STEARMAN_LUNG_CANCER_EARLY_VS_LATE_UP
10	-4.06	0.007	385	GSEA C2REN_ALVEOLAR_RHABDOMYOSARCOMA_DN
11	-4.05	0.007	425	GSEA C2CHARAFE_BREAST_CANCER_LUMINAL_VS_MESENCHYMAL
12	-4.04	0.007	15	MF hydrolase activity, acting on acid anhydrides
13	-4.04	0.007	26	BP cellular response to ionizing radiation
14	-4.03	0.007	208	miRNA target-miR-148a
15	-4	0.008	302	GSEA C2KINSEY_TARGETS_OF_EWSR1_FLII_FUSION_DN
16	-3.95	0.008	118	GSEA C2SERVITJA_LIVER_HNF1A_TARGETS_UP
17	-3.94	0.008	200	miRNA target-miR-148b
18	-3.94	0.008	271	GSEA C2ZHANG_TLX_TARGETS_60HR_UP
19	-3.93	0.008	170	GSEA C2WHITFIELD_CELL_CYCLE_G2
20	-3.93	0.008	435	GSEA C2KIM_WT1_TARGETS_DN

Profile

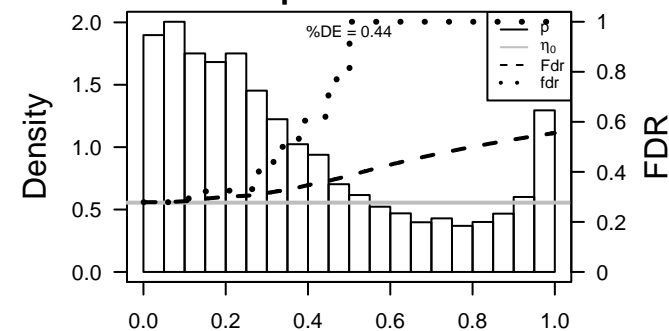
Regulated Spots



p-values



p-values



B6_mel

Local Summary

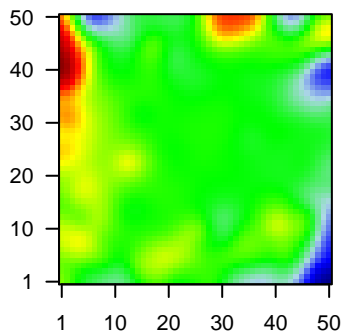
%DE = 0.81
 # metagenes = 27
 # genes = 424
 # genes in genesets = 422

 # genes with $fdr < 0.1$ = 256 (217 + / 39 -)
 # genes with $fdr < 0.05$ = 241 (206 + / 35 -)
 # genes with $fdr < 0.01$ = 171 (142 + / 29 -)

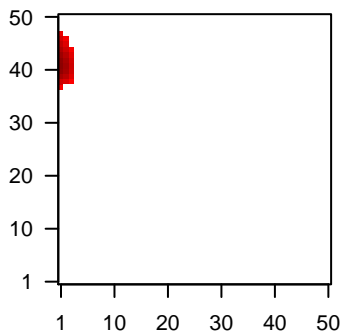
<r> metagenes = 0.91
 <r> genes = 0.14

<FC> = 0.31
 <shrinkage-t> = 5.75
 <p-value> = 0
 <fdr> = 0.46

Profile



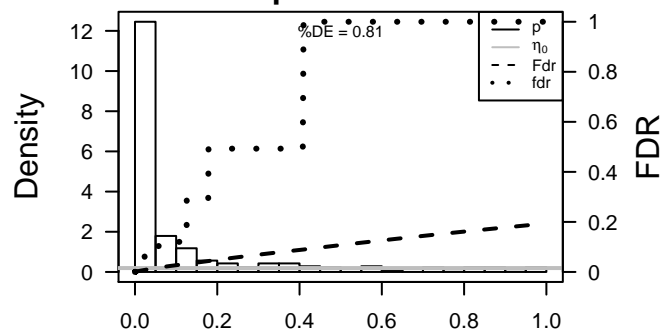
Spot



Local Genelist

Rank	ID	log(FC)	p-value	fdr	Description
1	HPS1	-1.64	2e-16	9e-15	1 x 37 Hermansky-Pudlak syndrome 1 [Source:HGNC Symbol;Acc:
2	MLIP	-1.49	2e-16	9e-15	3 x 44 muscular LMNA-interacting protein [Source:HGNC Symbol;A
3	ZNF577	1.57	2e-11	8e-10	2 x 39 zinc finger protein 577 [Source:HGNC Symbol;Acc:HGNC:28
4	LGALS3	-1.38	2e-11	8e-10	1 x 43 lectin, galactoside-binding, soluble, 3 [Source:HGNC Symbol
5	USP39	-1.37	3e-11	1e-09	2 x 45 ubiquitin specific peptidase 39 [Source:HGNC Symbol;Acc:Hi
6	C6orf211	-1.35	6e-11	1e-09	1 x 45
7	UCP2	-1.16	6e-11	4e-08	2 x 46 uncoupling protein 2 (mitochondrial, proton carrier) [Source:H
8	ER11	1.44	8e-10	4e-08	2 x 46 exoribonuclease 1 [Source:HGNC Symbol;Acc:HGNC:23994]
9	UNK	-1.29	2e-09	4e-08	1 x 45 unkempt family zinc finger [Source:HGNC Symbol;Acc:HGNC
10	MUC7	1.41	2e-09	4e-08	1 x 46 mucin 7, secreted [Source:HGNC Symbol;Acc:HGNC:7518]
11	WDR91	1.4	2e-09	9e-08	1 x 44 WD repeat domain 91 [Source:HGNC Symbol;Acc:HGNC:24
12	FRMD3	1.38	3e-09	9e-08	1 x 41 FERM domain containing 3 [Source:HGNC Symbol;Acc:HGNC
13	EXOC3	0.56	4e-09	1e-07	1 x 42 exocyst complex component 3 [Source:HGNC Symbol;Acc:Hi
14	EPT1	1.36	6e-09	3e-07	1 x 39 ethanolaminephosphotransferase 1 [Source:HGNC Symbol;A
15	ARHGAP8	0.9	1e-08	4e-07	1 x 43 Rho GTPase activating protein 8 [Source:HGNC Symbol;Acc:
16	GABRB3	1.32	2e-08	4e-07	1 x 41 gamma-aminobutyric acid (GABA) A receptor, beta 3 [Source
17	ST6GALNAC1	1.02	2e-08	1e-06	1 x 44 ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-
18	SLC45A2	0.72	4e-08	1e-06	1 x 42 solute carrier family 45, member 2 [Source:HGNC Symbol;Ac
19	CDKN2AIP	1.27	5e-08	1e-06	1 x 47 CDKN2A interacting protein [Source:HGNC Symbol;Acc:HGNC
20	IDH3A	0.57	6e-08	1e-06	1 x 42 isocitrate dehydrogenase 3 (NAD+) alpha [Source:HGNC Syr

p-values



B6_mel

Local Summary

%DE = 0.8
 # metagenes = 16
 # genes = 269
 # genes in genesets = 269

 # genes with $fdr < 0.1$ = 127 (24 + / 103 -)
 # genes with $fdr < 0.05$ = 115 (23 + / 92 -)
 # genes with $fdr < 0.01$ = 62 (12 + / 50 -)

<r> metagenes = 0.98

<r> genes = 0.2

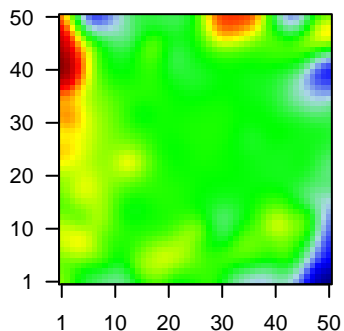
<FC> = -0.3

<shrinkage-t> = -5.02

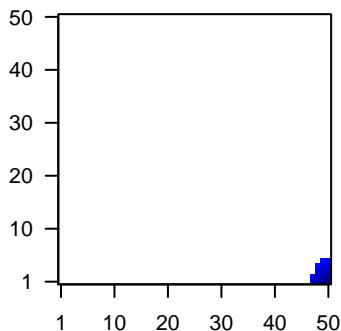
<p-value> = 0.01

<fdr> = 0.62

Profile



Spot



Local Genelist

Rank	ID	log(FC)	p-value	fdr	Description
1	CRYAB	-1.82	2e-16	4e-15	50 x 1 crystallin, alpha B [Source:HGNC Symbol;Acc:HGNC:2389]
2	MRPS6	-1.89	2e-16	4e-15	50 x 3 mitochondrial ribosomal protein S6 [Source:HGNC Symbol;Acc:HGNC:2389]
3	PMP22	-1.53	2e-16	4e-15	48 x 1 peripheral myelin protein 22 [Source:HGNC Symbol;Acc:HGNC:2389]
4	HIST1H1C	-1.27	2e-09	7e-08	48 x 4 histone cluster 1, H1c [Source:HGNC Symbol;Acc:HGNC:471]
5	SYNE1	-0.93	3e-09	2e-07	49 x 1 spectrin repeat containing, nuclear envelope 1 [Source:HGNC Symbol;Acc:HGNC:471]
6	CLUAP1	1.35	7e-09	1e-06	50 x 5 clusterin associated protein 1 [Source:HGNC Symbol;Acc:HGNC:471]
7	ANXA2	-0.52	3e-08	1e-05	50 x 3 annexin A2 [Source:HGNC Symbol;Acc:HGNC:537]
8	FMN2	-1.16	4e-07	1e-05	48 x 1 formin 2 [Source:HGNC Symbol;Acc:HGNC:14074]
9	SPTA1	1.17	5e-07	2e-05	50 x 1 spectrin, alpha, erythrocytic 1 [Source:HGNC Symbol;Acc:HGNC:14074]
10	UBE2E2	1.11	1e-06	2e-05	50 x 1 ubiquitin-conjugating enzyme E2E 2 [Source:HGNC Symbol;Acc:HGNC:14074]
11	GPBP1L1	-1.04	2e-06	2e-05	50 x 4 GC-rich promoter binding protein 1-like 1 [Source:HGNC Symbol;Acc:HGNC:14074]
12	MBNL2	-1.1	2e-06	2e-05	50 x 1 muscleblind-like splicing regulator 2 [Source:HGNC Symbol;Acc:HGNC:14074]
13	PDLIM1	1.1	2e-06	3e-05	50 x 1 PDZ and LIM domain 1 [Source:HGNC Symbol;Acc:HGNC:2157]
14	PTPRM	-1.08	3e-06	5e-05	50 x 1 protein tyrosine phosphatase, receptor type, M [Source:HGNC Symbol;Acc:HGNC:2157]
15	MT2A	-1.06	5e-06	5e-05	50 x 3 metallothionein 2A [Source:HGNC Symbol;Acc:HGNC:7406]
16	UGGT2	-1.05	6e-06	5e-05	48 x 3 UDP-glucose glycoprotein glucosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:7406]
17	CNN3	-0.42	7e-06	5e-05	47 x 1 calponin 3, acidic [Source:HGNC Symbol;Acc:HGNC:2157]
18	PITX2	1.05	7e-06	6e-05	50 x 4 paired-like homeodomain 2 [Source:HGNC Symbol;Acc:HGNC:2157]
19	FN1	-1.04	8e-06	6e-05	50 x 1 fibronectin 1 [Source:HGNC Symbol;Acc:HGNC:3778]
20	B4GALT4	1.04	9e-06	1e-04	50 x 4 UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 4 [Source:HGNC Symbol;Acc:HGNC:3778]

p-values

