MPI−189

Global Summary

%DE = 0.04

genes with fdr < 0.2 = 490 (292 + / 198 −)

genes with fdr < 0.1 = 352 (208 + / 144 −)

genes with fdr < 0.05 = 274 (152 + / 122 −)

genes with fdr < 0.01 = 159 (85 + / 74 −)

genes in genesets = 13152

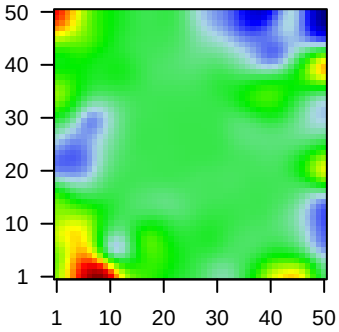
<FC> = 0

<t−score> = 0.11

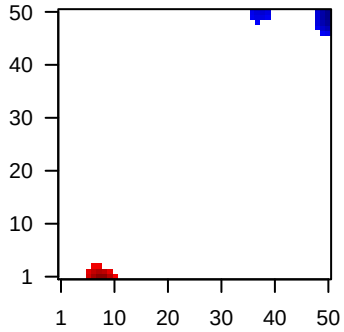
<p−value> = 0.27

<fdr> = 0.96

Portrait



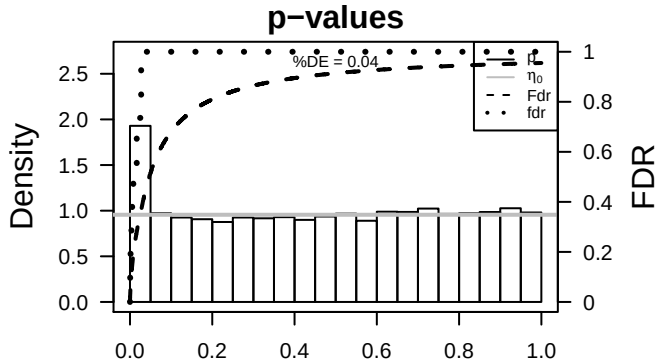
Regulated Metagenes



Global Genelist

Rank	ID	log(FC)	p−value	fdr	Metagene	Description
1	39318_at	−1.93	2e−16	4e−13	46 x 49	T cell leukemia/lymphoma 1A [Source:HGNC Symbol;Acc:HG
2	203290_at	1.91	2e−16	4e−13	7 x 0	major histocompatibility complex, class II, DQ alpha 2 [Source
3	209138_x_at	−0.9	2e−16	4e−13	41 x 42	immunoglobulin lambda constant 2 [Source:HGNC Symbol;Ac
4	209374_s_at	−2.26	2e−16	4e−13	0 x 22	immunoglobulin heavy constant mu [Source:HGNC Symbol;A
5	209995_s_at	−2.35	2e−16	4e−13	46 x 49	T cell leukemia/lymphoma 1A [Source:HGNC Symbol;Acc:HG
6	212827_at	−1.89	2e−16	4e−13	41 x 44	immunoglobulin heavy constant mu [Source:HGNC Symbol;A
7	214677_x_at	−0.87	2e−16	4e−13	41 x 42	immunoglobulin lambda constant 2 [Source:HGNC Symbol;Ac
8	215121_x_at	−1.08	2e−16	4e−13	41 x 42	immunoglobulin lambda constant 2 [Source:HGNC Symbol;Ac
9	215379_x_at	−1.3	2e−16	4e−13	41 x 42	immunoglobulin lambda constant 2 [Source:HGNC Symbol;Ac
10	217022_s_at	−1.79	2e−16	4e−13	0 x 2	immunoglobulin heavy constant alpha 2 (A2m marker) [Sourc
11	221501_x_at	−1.46	2e−16	4e−13	49 x 6	nuclear pore complex−interacting protein family member A5 is
12	201909_at	1.23	4e−14	1e−09	43 x 49	ribosomal protein S4, Y−linked 1 [Source:HGNC Symbol;Acc:
13	209493_at	1.88	1e−13	1e−09	45 x 39	PDZ domain containing 2 [Source:HGNC Symbol;Acc:HGNC
14	218186_at	1.87	2e−13	2e−09	0 x 17	RAB25, member RAS oncogene family [Source:HGNC Symb
15	208792_s_at	−1.11	2e−13	2e−09	0 x 3	clusterin [Source:HGNC Symbol;Acc:HGNC:2095]
16	37892_at	1.84	4e−13	2e−09	11 x 0	collagen type XI alpha 1 chain [Source:HGNC Symbol;Acc:HG
17	218692_at	1.83	5e−13	1e−08	49 x 20	syntabulin [Source:HGNC Symbol;Acc:HGNC:26011]
18	211699_x_at	−1.19	1e−12	1e−08	6 x 29	hemoglobin subunit alpha 2 [Source:HGNC Symbol;Acc:HGN
19	211656_x_at	0.85	2e−12	2e−08	2 x 9	major histocompatibility complex, class II, DQ beta 1 [Source:
20	209116_x_at	−1.2	3e−12	2e−08	6 x 29	hemoglobin subunit beta [Source:HGNC Symbol;Acc:HGNC:

p−values



Global Geneset Analysis

Rank	GSZ	p−value	#all	Geneset	
Overexpressed					
1	16.78	NULL	335	GSEA C2	SCHUETZ_BREAST_CANCER_DUCTAL_INVASIVE_UP
2	15.45	NULL	63	GSEA C2	ANASTASSIOU_CANCER_MESENCHYMAL_TRANSITION_SIGN
3	15.04	NULL	214	Lymphoma	LENZ_Stromal signature 1
4	12.14	NULL	132	Colon Cancer	Marisa_CRC−cluster−a
5	11.02	NULL	18	CC	MHC class II protein complex
6	11.01	NULL	17	BP	antigen processing and presentation of peptide or polysaccharide a
7	10.8	NULL	12	MF	MHC class II receptor activity
8	10.45	NULL	231	Glioma	WILLSCHER_GBM_Verhaak−CL & MES_up
9	10.31	NULL	138	GSEA C2	VECCHI_GASTRIC_CANCER_ADVANCED_VS_EARLY_UP
10	10.05	NULL	40	BP	antigen processing and presentation
11	9.83	NULL	58	GSEA C2	TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_DUCTAL_
12	9.48	NULL	397	GSEA C2	REN_ALVEOLAR_RHABDOMYOSARCOMA_DN
13	9.46	NULL	202	GSEA C2	VERHAAK_GLIOBLASTOMA_MESENCHYMAL
14	9.32	NULL	18	GSEA C2	FARMER_BREAST_CANCER_CLUSTER_5
15	9.29	NULL	78	Melanoma	Tirosh_CAF−cell specific genes
16	9.21	NULL	60	GSEA C2	TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_LOBULAR
17	9.2	NULL	556	Chr	Chr X
18	9.12	NULL	447	Glioma	ScoV_0.999_Sturm_E4_Mesenchymal_RTK I 'PDGFRA'_DN
19	8.99	NULL	386	GSEA C2	RUTELLA_RESPONSE_TO_HGF_VS_CSF2RB_AND_IL4_UP
20	8.94	NULL	196	HM	HALLMARK_EPITHELIAL_MESENCHYMAL_TRANSITION
Underexpressed					
1	−14.14	NULL	319	Melanoma	Gerber_wt/wt_melanoma−cells−SpotA
2	−13.7	NULL	44	MF	antigen binding
3	−11.68	NULL	244	GSEA C2	KOBAYASHI_EGFR_SIGNALING_24HR_DN
4	−11.61	NULL	52	BP	complement activation, classical pathway
5	−11.2	NULL	19	BP	positive regulation of B cell activation
6	−11.11	NULL	16	MF	immunoglobulin receptor binding
7	−11.06	NULL	400	GSEA C2	PUJANA_BRCA2_PCC_NETWORK
8	−10.71	NULL	137	GSEA C2	ROSTY_CERVICAL_CANCER_PROLIFERATION_CLUSTER
9	−10.66	NULL	526	GSEA C2	MARSON_BOUND_BY_E2F4_UNSTIMULATED
10	−10.6	NULL	14	Cancer	SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_UP
11	−10.42	NULL	254	GSEA C2	DUTERTRE_ESTRADIOL_RESPONSE_24HR_UP
12	−10.06	NULL	115	Glioma	WILLSCHER_GBM_Verhaak−CL_up (C)
13	−10.04	NULL	431	GSEA C2	GOBERT_OLIGODENDROCYTE_DIFFERENTIATION_UP
14	−9.91	NULL	84	GSEA C2	GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDING_DN
15	−9.72	NULL	32	Reference Signatures	Signature_1,1_Plasma Cells
16	−9.64	NULL	93	GSEA C2	CROONQUIST_IL6_DEPRIVATION_DN
17	−9.62	NULL	321	GSEA C2	BLUM_RESPONSE_TO_SALIRASIB_DN
18	−9.42	NULL	21	BP	phagocytosis, recognition
19	−9.36	NULL	548	GSEA C2	BENPORATH_CYCLING_GENES
20	−9.36	NULL	347	GSEA C2	REACTOME_CELL_CYCLE