48hpf_pos.1

Global Summary

%DE = 0.14

genes with fdr < 0.2 = 2970 (1509 + / 1461 −)

genes with fdr < 0.1 = 2427 (1250 + / 1177 −)

genes with fdr < 0.05 = 2003 (1038 + / 965 −)

genes with fdr < 0.01 = 1392 (742 + / 650 −)

genes in genesets = 21072

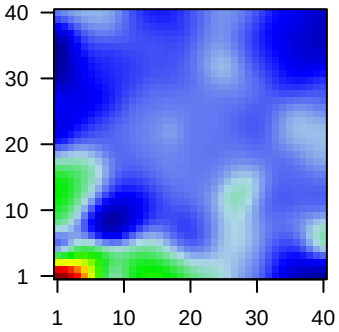
<FC> = 0

<t−score> = 0.02

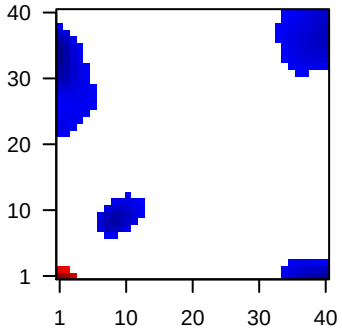
<p−value> = 0.1

<fdr> = 0.86

Portrait



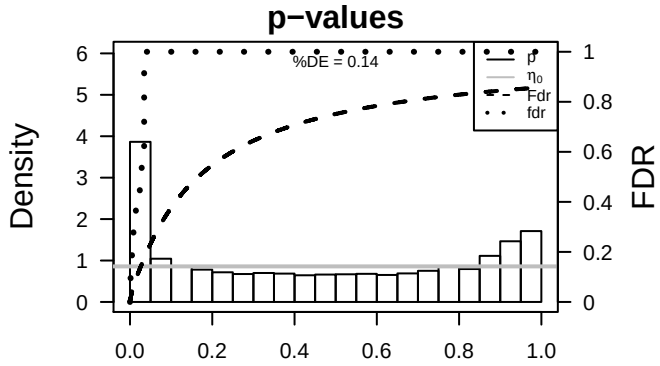
Regulated Metagenes



Global Genelist

Rank	ID	log(FC)	p−value	fdr	Metagene	Description
1	ENSDARG00(	−2.65	2e−16	2e−14	1 x 6	complement component c3b, tandem duplicate 2 [Source:ZFI
2	ENSDARG00(	−3.36	2e−16	2e−14	1 x 8	ATPase, Na+/K+ transporting, alpha 1a polypeptide, tandem (
3	ENSDARG00(	−2.52	2e−16	2e−14	1 x 36	myosin, heavy chain b [Source:ZFIN;Acc:ZDB−GENE−08112
4	ENSDARG00(	−3.05	2e−16	2e−14	1 x 37	rhodopsin [Source:ZFIN;Acc:ZDB−GENE−990415−271]
5	ENSDARG00(	−2.57	2e−16	2e−14	2 x 31	integrin, alpha 10 [Source:ZFIN;Acc:ZDB−GENE−100922−54
6	ENSDARG00(	2.49	2e−16	2e−14	1 x 3	synaptogyrin 1a [Source:ZFIN;Acc:ZDB−GENE−041010−169
7	ENSDARG00(	−3.88	2e−16	2e−14	1 x 36	guanine nucleotide binding protein (G protein), beta polypepti
8	ENSDARG00(	−2.6	2e−16	2e−14	1 x 6	apobec1 complementation factor [Source:ZFIN;Acc:ZDB−GE
9	ENSDARG00(	2.36	2e−16	2e−14	11 x 1	obscurin−like 1a [Source:ZFIN;Acc:ZDB−GENE−060503−64
10	ENSDARG00(	2.83	2e−16	2e−14	6 x 1	ryanodine receptor 2b (cardiac) [Source:ZFIN;Acc:ZDB−GEN
11	ENSDARG00(	2.91	2e−16	2e−14	3 x 1	microphthalmia−associated transcription factor a [Source:ZFI
12	ENSDARG00(	2.79	2e−16	2e−14	2 x 1	phosphoribosylformylglycinamidine synthase [Source:ZFIN;A
13	ENSDARG00(	2.13	2e−16	2e−14	4 x 1	carnosine dipeptidase 2 [Source:ZFIN;Acc:ZDB−GENE−0301
14	ENSDARG00(	−3.03	2e−16	2e−14	40 x 1	Bruton agammaglobulinemia tyrosine kinase [Source:ZFIN;A
15	ENSDARG00(	2.4	2e−16	2e−14	4 x 1	phosphoribosyl pyrophosphate amidotransferase [Source:ZFI
16	ENSDARG00(	−2.72	2e−16	2e−14	8 x 9	cadherin 17, LI cadherin (liver−intestine) [Source:ZFIN;Acc:ZI
17	ENSDARG00(	2.55	2e−16	2e−14	1 x 1	cyclin−dependent kinase 15 [Source:ZFIN;Acc:ZDB−GENE−(
18	ENSDARG00(	3.77	2e−16	2e−14	1 x 1	aldo−keto reductase family 1, member B1 (aldose reductase)
19	ENSDARG00(	2.32	2e−16	2e−14	3 x 1	RAB3A interacting protein (rabin3)−like 1 [Source:ZFIN;Acc:Z
20	ENSDARG00(	2.22	2e−16	2e−14	29 x 7	heart and neural crest derivatives expressed 2 [Source:ZFIN;

p−values



Global Geneset Analysis

Rank	GSZ	p−value	#all		Geneset
Overexpressed					
1	9.95	NULL	35	BP	sarcomere organization
2	9.89	NULL	30	BP	pigmentation
3	9.22	NULL	11	BP	purine nucleotide biosynthetic process
4	8.56	NULL	12	BP	cardiac muscle tissue development
5	8.24	NULL	54	BP	heart contraction
6	7.64	NULL	10	CC	melanosome
7	6.68	NULL	11	BP	striated muscle contraction
8	6.49	NULL	101	CC	endosome
9	6.33	NULL	27	BP	developmental pigmentation
10	6.23	NULL	147	BP	vesicle−mediated transport
11	6.14	NULL	26	BP	melanocyte differentiation
12	6.1	NULL	24	BP	nucleoside metabolic process
13	5.88	NULL	712	BP	oxidation−reduction process
14	5.66	NULL	11	BP	melanosome organization
15	5.61	NULL	13	BP	cardiac muscle cell proliferation
16	5.58	NULL	39	CC	Z disc
17	5.54	NULL	522	MF	oxidoreductase activity
18	5.44	NULL	26	BP	melanosome transport
19	5.34	NULL	14	CC	M band
20	5.33	NULL	321	MF	GTPase activity
Underexpressed					
1	−12.61	NULL	168	CC	nucleosome
2	−12.33	NULL	229	CC	chromosome
3	−11.92	NULL	117	BP	nucleosome assembly
4	−8.56	NULL	232	MF	protein heterodimerization activity
5	−7.27	NULL	500	CC	extracellular space
6	−6.91	NULL	1484	MF	DNA binding
7	−6.65	NULL	634	CC	extracellular region
8	−6.64	NULL	109	BP	negative regulation of endopeptidase activity
9	−6.47	NULL	43	BP	DNA−templated transcription, initiation
10	−6.43	NULL	37	MF	nucleosomal DNA binding
11	−6.41	NULL	2716	CC	nucleus
12	−6.1	NULL	49	MF	extracellular matrix structural constituent
13	−5.4	NULL	78	BP	DNA replication
14	−5.39	NULL	22	BP	DNA replication initiation
15	−5.08	NULL	64	MF	serine−type endopeptidase inhibitor activity
16	−5.05	NULL	65	BP	sodium ion transport
17	−5.04	NULL	83	BP	visual perception
18	−5.02	NULL	25	BP	cellular response to estrogen stimulus
19	−4.97	NULL	10	MF	small molecule binding
20	−4.86	NULL	33	MF	endopeptidase inhibitor activity