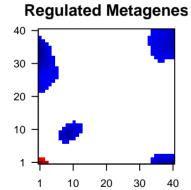
# 48hpf\_pos.1

## **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 40 30 20 10 10 10 20 30 40



### **Global Genelist**

Ina(EC)

Rank ID		log(FC) fdr p-value		Description Metagene		
	טו		p vu	140	Wiota	gene
1	ENSDARG000	-2.65	2e-16	2e-14	1 x 6	complement component c3b, tandem duplicate 2 [Source:ZFI
2	ENSDARG000	-3.36	2e-16	2e-14	1 x 8	ATPase, Na+/K+ transporting, alpha 1a polypeptide, tandem (
3	ENSDARG000	-2.52	2e-16	2e-14	1 x 36	myosin, heavy chain b [Source:ZFIN;Acc:ZDB-GENE-08112
4	ENSDARG000	-3.05	2e-16	2e-14	1 x 37	rhodopsin [Source:ZFIN;Acc:ZDB-GENE-990415-271]
5	ENSDARG000	-2.57	2e-16	2e-14	2 x 31	integrin, alpha 10 [Source:ZFIN;Acc:ZDB-GENE-100922-54
6	ENSDARG000	2.49	2e-16	2e-14	1 x 3	synaptogyrin 1a [Source:ZFIN;Acc:ZDB-GENE-041010-169
7	ENSDARG000	-3.88	2e-16	2e-14	1 x 36	guanine nucleotide binding protein (G protein), beta polypepti
8	ENSDARG000	-2.6	2e-16	2e-14	1 x 6	apobec1 complementation factor [Source:ZFIN;Acc:ZDB-GE
9	ENSDARG000	2.36	2e-16	2e-14	11 x 1	obscurin-like 1a [Source:ZFIN;Acc:ZDB-GENE-060503-64§
10	ENSDARG000	2.83	2e-16	2e-14	6 x 1	ryanodine receptor 2b (cardiac) [Source:ZFIN;Acc:ZDB-GEN
11	ENSDARG000	2.91	2e-16	2e-14	3 x 1	microphthalmia-associated transcription factor a [Source:ZFI
12	ENSDARG000	2.79	2e-16	2e-14	2 x 1	phosphoribosylformylglycinamidine synthase [Source:ZFIN;A
13	ENSDARG000	2.13	2e-16	2e-14	4 x 1	carnosine dipeptidase 2 [Source:ZFIN;Acc:ZDB-GENE-0301
14	ENSDARG000	-3.03	2e-16	2e-14	40 x 1	Bruton agammaglobulinemia tyrosine kinase [Source:ZFIN;Ac
15	ENSDARG000	2.4	2e-16	2e-14	4 x 1	phosphoribosyl pyrophosphate amidotransferase [Source:ZFI
16	ENSDARG000	-2.72	2e-16	2e-14	8 x 9	cadherin 17, LI cadherin (liver-intestine) [Source:ZFIN;Acc:ZI
17	ENSDARG000	2.55	2e-16	2e-14	1 x 1	cyclin-dependent kinase 15 [Source:ZFIN;Acc:ZDB-GENE-(
18	ENSDARG000	3.77	2e-16	2e-14	1 x 1	aldo-keto reductase family 1, member B1 (aldose reductase)
19	ENSDARG000	2.32	2e-16	2e-14	3 x 1	RAB3A interacting protein (rabin3)-like 1 [Source:ZFIN;Acc:Z
20	ENSDARG000	2.22	2e-16	2e-14	29 x 7	heart and neural crest derivatives expressed 2 [Source:ZFIN;

## Global Geneset Analysis

Rank	GSZ	p-value	#all	Gene	eset
Overexpi	ressed				
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
	6.49	NULL	101	CC	endosome
	6.33	NULL	27	BP	developmental pigmentation
	6.23	NULL	147	BP	vesicle-mediated transport
	6.14	NULL	26	BP	melanocyte differentiation
	6.1	NULL	24	BP	nucleoside metabolic process
		NULL	712	BP	oxidation-reduction process
	5.66	NULL	11	BP	melanosome organization
					cardiac muscle cell proliferation
					Z disc
					oxidoreductase activity
					melanosome transport
					M band
20	5.33	NULL	321	MF	GTPase activity
Underex	pressed				
			168	CC	nucleosome
2					chromosome
3					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
Ž	-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
	-5.08	NULL	64	MF	serine-type endopeptidase inhibitor activity
	-5.05		65		sodium ion transport
	-5.04		83		visual perception
					cellular response to estrogen stimulus
					small molecule binding
20	-4.86	NULL	33	MF	endopeptidase inhibitor activity
	Overexpi 1 2 3 4 4 5 5 6 7 7 8 9 10 11 2 3 4 4 5 16 7 18 19 20 Underexi 1 2 3 4 4 5 6 7 8 9 10 11 2 3 4 5 6 7 8 9 10 11 2 3 13	Overexpressed 1 9.95 2 9.89 3 9.22 4 8.56 5 8.24 6 7.64 6 7.64 7 6.68 8 6.49 9 6.33 10 6.23 11 6.14 12 6.1 13 5.88 14 5.66 15 5.61 16 5.58 17 5.54 18 5.44 19 5.34 20 5.33  Underexpressed 1 -12.61 18 5.44 19 5.34 20 6.33  Underexpressed 1 -12.61 2 -12.33 3 -11.92 4 -8.56 5 -7.27 6 -6.91 7 -6.65 8 -6.64 9 -6.47 10 -6.43 11 -6.41 12 -6.1 13 -5.4 14 -5.39 15 -5.08 16 -5.05 17 -5.08 16 -5.05 17 -5.08	Overexpressed  1 9.95 NULL 2 9.89 NULL 3 9.22 NULL 4 8.56 NULL 5 8.24 NULL 6 7.64 NULL 7 6.68 NULL 8 6.49 NULL 10 6.23 NULL 11 6.14 NULL 12 6.1 NULL 13 5.88 NULL 14 5.66 NULL 15 5.61 NULL 14 5.66 NULL 15 5.61 NULL 16 5.58 NULL 17 5.54 NULL 19 5.34 NULL 19 5.34 NULL 20 5.33 NULL Underexpressed  1 -12.61 NULL 19 5.34 NULL 19 6.65 NULL 18 5.44 NULL 19 6.65 NULL 19 6.66 NULL 2 -12.33 NULL 20 6.69 NULL 1 -6.65 NULL 3 -6.65 NULL 5 -7.27 NULL 6 -6.91 NULL 7 -6.65 NULL 7 -6.65 NULL 1 -6.41 NULL 1 -6.50 NULL 1 -5.04 NULL 1 -5.05 NULL 1 -5.06 NULL 1 -5.06 NULL 1 -5.06 NULL 1 -5.06 NULL 1 -5.07 NULL 1 -5.04 NULL 1 -5.09 NULL 1 -5.04	Overexpressed           1         9.95         NULL         35           2         9.89         NULL         30           3         9.22         NULL         11           4         8.56         NULL         12           5         8.24         NULL         54           6         7.64         NULL         10           7         6.68         NULL         101           9         6.33         NULL         27           10         6.23         NULL         147           11         6.14         NULL         26           12         6.1         NULL         24           13         5.88         NULL         11           15         5.61         NULL         13           16         5.58         NULL         39           17         5.54         NULL         39           17         5.54         NULL         522           18         5.44         NULL         26           19         5.34         NULL         14           20         5.33         NULL         229           3         11	Overexpressed           1         9.95         NULL         35         BP           2         9.89         NULL         30         BP           3         9.22         NULL         11         BP           4         8.56         NULL         12         BP           5         8.24         NULL         54         BP           6         7.64         NULL         10         CC           7         6.68         NULL         101         CC           9         6.33         NULL         147         BP           10         6.23         NULL         147         BP           11         6.14         NULL         26         BP           12         6.1         NULL         24         BP           13         5.88         NULL         712         BP           14         5.66         NULL         11         BP           15         5.61         NULL         13         BP           16         5.58         NULL         39         CC           17         5.54         NULL         226         BP           <

