Tocai_warm_r1

Global Summary

%DE = 0.14

genes with fdr < 0.2 = 0 (0 + / 0 −)

genes with fdr < 0.1 = 0 (0 + / 0 −)

genes with fdr < 0.05 = 0 (0 + / 0 −)

genes with fdr < 0.01 = 0 (0 + / 0 −)

<FC> = 0

<p−value> = 0.32

<fdr> = 0.86

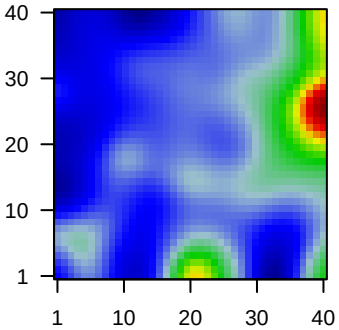
Differentially expressed genes

Rank	ID	log(FC)	p−value	fdr	Metagene	Description
Overexpressed						
1	Vitvi04g01935	2.68	9e−05	0.5	23 x 1	Catalysis of the hydrolysis of internal, alpha−peptide bonds in
2	Vitvi07g02067	2.22	2e−04	0.7	27 x 29	A membrane−bounded organelle of eukaryotic cells in which
3	Vitvi01g00042	0.55	4e−04	0.7	19 x 20	Binding to a metal ion.
4	Vitvi05g01962	2.2	5e−04	0.7	23 x 1	
5	Vitvi07g00586	2.42	6e−04	0.7	22 x 1	The space external to the outermost structure of a cell. For ce
6	Vitvi05g00267	0.71	7e−04	0.7	19 x 19	A small organelle enclosed by a single membrane, and found
7	Vitvi13g02043	2.13	9e−04	0.7	23 x 1	
8	Vitvi12g01975	2.03	1e−03	0.7	23 x 1	
9	Vitvi12g00722	3.68	1e−03	0.7	40 x 25	Binding to nicotinamide−adenine dinucleotide phosphate, a c
10	Vitvi05g00065	2.51	1e−03	0.7	5 x 6	A membrane−bounded organelle of eukaryotic cells in which
11	Vitvi04g01666	2.13	1e−03	0.7	37 x 25	Binds to and stops, prevents or reduces the activity of an enz
12	Vitvi04g00153	2.2	1e−03	0.7	22 x 1	A membrane−bounded organelle of eukaryotic cells in which
13	Vitvi14g00102	1.3	2e−03	0.7	35 x 23	Binding to a calcium ion (Ca2+).
14	Vitvi02g00633	1.11	2e−03	0.7	25 x 3	The contents of a cell excluding the plasma membrane and n
15	Vitvi08g01789	2.73	2e−03	0.7	40 x 22	The component of a membrane consisting of the gene produc
16	Vitvi01g01227	4.81	2e−03	0.7	40 x 26	Catalysis of the transfer of an acyl group, other than amino−a
17	Vitvi11g01415	2.31	2e−03	0.7	22 x 1	A membrane−bounded organelle of eukaryotic cells in which
18	Vitvi18g02928	3.76	2e−03	0.7	40 x 26	The cell membranes and intracellular regions in a plant are cc
19	Vitvi06g00412	1.39	2e−03	0.7	35 x 25	The component of a membrane consisting of the gene produc
20	Vitvi11g01224	3.98	2e−03	0.7	40 x 26	Catalysis of the transfer of an acyl group, other than amino−a
Underexpressed						
1	Vitvi11g00296	−1.25	4e−05	0.5	3 x 23	Catalysis of the transfer of a methyl group to the oxygen atom
2	Vitvi13g01536	−1.22	1e−04	0.7	12 x 39	Any process involved in the conversion of a primary small nuc
3	Vitvi04g01423	−1.5	2e−04	0.7	35 x 6	Binding to a zinc ion (Zn).
4	Vitvi04g00176	−0.62	3e−04	0.7	22 x 24	Catalysis of the reaction: GTP + H2O = GDP + H+ + phospha
5	Vitvi14g02021	−1.35	4e−04	0.7	34 x 7	
6	Vitvi08g02252	−1.13	4e−04	0.7	2 x 21	Binding to a zinc ion (Zn).
7	Vitvi04g00878	−1.05	5e−04	0.7	32 x 6	Binding to a protein.
8	Vitvi09g01853	−1.35	6e−04	0.7	2 x 22	Binding to a zinc ion (Zn).
9	Vitvi04g00221	−0.93	6e−04	0.7	6 x 28	Binding to ATP, adenosine 5'−triphosphate, a universally impo
10	Vitvi00g02167	−0.98	8e−04	0.7	15 x 7	
11	Vitvi11g00620	−0.98	9e−04	0.7	2 x 23	The contents of a cell excluding the plasma membrane and n
12	Vitvi05g00521	−0.7	1e−03	0.7	22 x 24	The component of a membrane consisting of the gene produc
13	Vitvi10g00551	−0.97	1e−03	0.7	25 x 31	Catalysis of the hydrolysis of any ester bond.
14	Vitvi04g01485	−0.54	1e−03	0.7	22 x 23	
15	Vitvi10g00019	−1.16	2e−03	0.7	3 x 22	Binding to ATP, adenosine 5'−triphosphate, a universally impo
16	Vitvi04g01705	−0.98	2e−03	0.7	6 x 29	Binding to a protein.
17	Vitvi04g01597	−1.04	2e−03	0.7	33 x 8	The component of a membrane consisting of the gene produc
18	Vitvi06g01407	−1.31	2e−03	0.7	15 x 40	Catalysis of a biochemical reaction at physiological temperatu
19	Vitvi08g02205	−1.79	2e−03	0.7	34 x 5	
20	Vitvi00g00555	−1.08	2e−03	0.7	1 x 22	

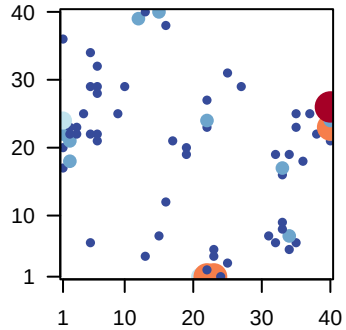
Differentially expressed gene sets

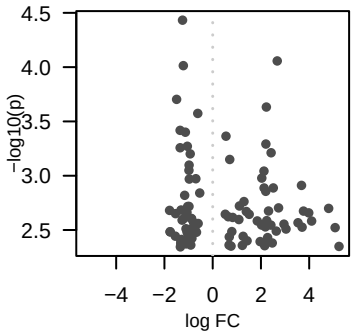
Rank	GSZ	p−value	#all	Geneset
Overexpressed				
1	9.98	0	80	Cytoskeleton−Microtubules
2	9.1	0	211	Ribosome
3	8.34	0	144	Ribosome−Eukaryotes
4	8.18	0	219	Cell growth and death−Cell cycle
5	8.17	0	247	Translation−Ribosome
6	7.97	0	24	Replication−DNA Replication Factors
7	6.96	0	34	Peptidases and inhibitors−Family S10
8	6.52	0	217	Cell motility−Regulation of cytoskeleton
9	6.36	0	97	Ribosome−Archaea
10	6.17	0	36	DNA replication
11	5.05	0	19	Aquaporin−Plasma membrane major intrinsic proteins [TC:1.A.8]
12	4.94	0	41	Replication−DNA replication
13	4.87	0	113	Exosome−Exosome−Proteins of protein complexes detected
14	4.81	0	56	Hormone signaling−Jasmonic acid signaling
15	4.73	0	31	Biosynthesis of plant secondary metabolites
16	4.68	0	81	Enzyme −4.2.1 Carbon−oxygen lyases
17	4.53	0	162	Plant specific signaling−Plant−pathogen interaction
18	4.43	0	83	Transcription factors−MYB
19	4.38	0	26	Flavonoid biosynthesis
20	4.29	0	153	Plant−pathogen interaction
Underexpressed				
1	−3.73	1e−04	12	Transcription factors−Orthos zf−b box
2	−3.71	1e−04	62	Ribosome biogenesis−90S particles
3	−3.71	1e−04	151	RNA polymerase II system
4	−3.7	1e−04	146	Transporter−Proteo cat 7 to 17
5	−3.6	4e−04	26	Transcription factors−G2−like
6	−3.51	6e−04	35	Mitophagy−factors
7	−3.4	9e−04	73	Transcription factors−AP2 EREBP
8	−3.29	1e−03	27	Regulation of mitochondrial biogenesis
9	−3.28	1e−03	116	Ribosome biogenesis−60S particles
10	−3.18	2e−03	29	Carotenoid biosynthesis
11	−3.15	2e−03	50	Transcription factors−MYB related
12	−2.93	4e−03	51	Signal transduction−Phosphatidylinositol signaling system
13	−2.93	4e−03	100	Plant specific signaling−Flower development
14	−2.91	4e−03	38	Transcription factors−Basal transcription factors
15	−2.87	5e−03	170	Transcription factors−Other zf−C3HC4
16	−2.82	6e−03	140	Hormone signaling−Ethylene signaling
17	−2.73	8e−03	12	SLC15: PTR1 oligopeptide transporter
18	−2.71	8e−03	11	Transcription factors−MADS − MADS
19	−2.67	8e−03	51	Plant specific signaling−Circadian rhythm
20	−2.65	9e−03	115	Enzyme −3.6 Acting on acid anhydrides

Portrait

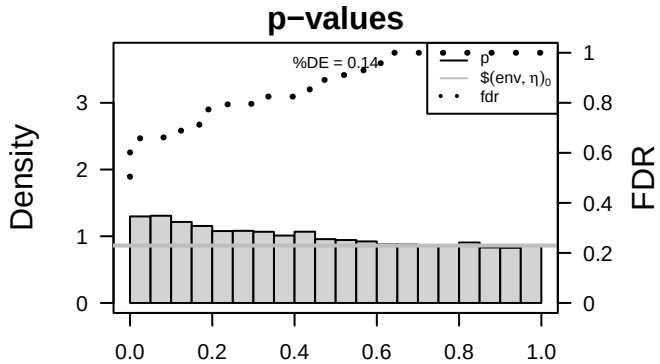


Top 100 DE genes





p−values



p−values