CabFra_accfreeze_r2

Global Summary

%DE = 0

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> = 0.45

<fdr> = 1

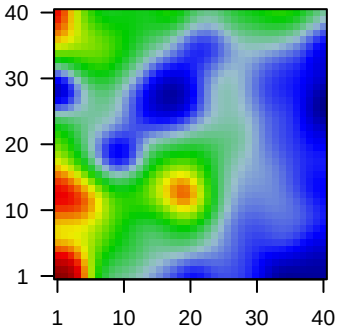
Differentially expressed genes

Rank	ID	log(FC)	p−value	fdr	Metagene	Description
Overexpressed						
1	Vitvi12g00556	1	1e−06	1	18 x 18	The formation of a protein dimer, a macromolecular structure
2	Vitvi14g00063	3.34	7e−06	1	9 x 3	Catalysis of the transfer of a glycosyl group from one compou
3	Vitvi16g01022	4.22	7e−06	1	1 x 15	Any process that results in a change in state or activity of a c
4	Vitvi06g01559	3.35	1e−04	1	21 x 1	The component of a membrane consisting of the gene produc
5	Vitvi18g00997	1.4	2e−04	1	20 x 17	A lipid bilayer along with all the proteins and protein complexe
6	Vitvi04g01685	4.43	2e−04	1	4 x 1	
7	Vitvi08g00639	0.77	5e−04	1	18 x 18	A lipid bilayer along with all the proteins and protein complexe
8	Vitvi05g00857	2.21	5e−04	1	4 x 13	The component of a membrane consisting of the gene produc
9	Vitvi09g00559	3.66	5e−04	1	4 x 4	
10	Vitvi06g01601	2.58	7e−04	1	1 x 11	A lipid bilayer along with all the proteins and protein complexe
11	Vitvi14g00065	3.21	7e−04	1	4 x 1	Catalysis of the transfer of a glycosyl group from one compou
12	Vitvi17g00819	4.47	8e−04	1	5 x 2	Binding to a zinc ion (Zn).
13	Vitvi04g00042	2.19	8e−04	1	9 x 6	The component of a membrane consisting of the gene produc
14	Vitvi03g01517	3.05	8e−04	1	6 x 12	Binding to a heme, a compound composed of iron complexed
15	Vitvi14g01675	1.32	1e−03	1	20 x 17	The contents of a cell excluding the plasma membrane and n
16	Vitvi11g01505	0.72	1e−03	1	16 x 19	
17	Vitvi11g00547	1.01	1e−03	1	12 x 13	The component of a membrane consisting of the gene produc
18	Vitvi01g00391	1.23	2e−03	1	9 x 12	A lipid bilayer along with all the proteins and protein complexe
19	Vitvi04g00300	1.36	4e−03	1	35 x 8	Any molecular function by which a gene product interacts sele
20	Vitvi08g01030	2.95	5e−03	1	7 x 11	A membrane−bounded organelle of eukaryotic cells in which
Underexpressed						
1	Vitvi06g01467	−1.2	5e−04	1	11 x 21	
2	Vitvi10g01749	−1.11	9e−04	1	16 x 26	Binding to a protein.
3	Vitvi12g00104	−0.63	2e−03	1	22 x 26	Catalysis of the reaction: N−acetyl−D−glucosamine + ATP = N
4	Vitvi07g01251	−0.92	4e−03	1	18 x 26	Binding to a protein.
5	Vitvi17g00167	−1.13	4e−03	1	29 x 11	Binding to a protein.
6	Vitvi01g00625	−0.92	7e−03	1	17 x 25	The lipid bilayer surrounding the vacuole and separating its co
7	Vitvi13g02262	−1.05	8e−03	1	20 x 27	
8	Vitvi02g01100	−0.75	8e−03	1	13 x 29	Binding to a zinc ion (Zn).
9	Vitvi08g01208	−0.73	9e−03	1	19 x 28	Binding to an RNA molecule or a portion thereof.
10	Vitvi03g00043	−0.76	1e−02	1	31 x 6	Binding to a zinc ion (Zn).
11	Vitvi10g00850	−0.71	1e−02	1	19 x 26	Binding to a protein.
12	Vitvi10g00494	−0.84	1e−02	1	20 x 30	The contents of a cell excluding the plasma membrane and n
13	Vitvi15g01077	−0.97	1e−02	1	39 x 17	A membrane−bounded organelle of eukaryotic cells in which
14	Vitvi14g01263	−0.43	1e−02	1	20 x 24	The component of a membrane consisting of the gene produc
15	Vitvi02g01206	−0.69	1e−02	1	13 x 21	
16	Vitvi16g00155	−0.73	1e−02	1	38 x 15	A membrane−bounded organelle of eukaryotic cells in which
17	Vitvi14g01375	−0.78	1e−02	1	35 x 13	The component of a membrane consisting of the gene produc
18	Vitvi11g00795	−1.13	1e−02	1	19 x 29	A process that is carried out at the cellular level which results
19	Vitvi01g01496	−0.76	1e−02	1	20 x 29	Binding to GTP, guanosine triphosphate.
20	Vitvi13g00824	−1.28	1e−02	1	23 x 35	Binding to a protein.

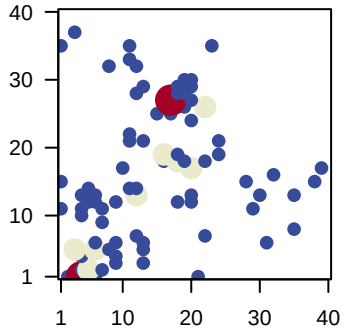
Differentially expressed gene sets

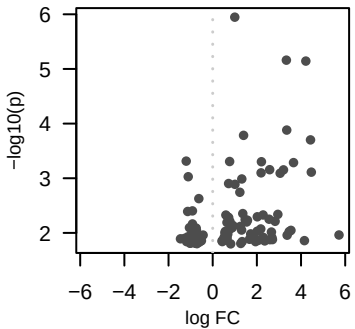
Rank	GSZ	p−value	#all	Geneset
Overexpressed				
1	7.3	0e+00	45	Galactose metabolism
2	5.83	0e+00	73	Transcription factors − AP2−EREBP
3	5.09	0e+00	49	Transcription factors − NAC
4	4.92	0e+00	77	Carbohydrate metabolism
5	4.79	0e+00	238	Enzyme − Glycosyltransferases
6	4.35	0e+00	44	Energy metabolism
7	4.23	0e+00	111	Hormone signaling
8	4.1	0e+00	140	Hormone signaling
9	4.02	0e+00	48	Transcription factors − WRKY
10	3.59	4e−04	25	Nitrogen metabolism
11	3.37	9e−04	43	Alanine, aspartate and glutamate metabolism
12	3.16	2e−03	11	Biosynthesis of secondary metabolites
13	3.13	2e−03	18	Photosynthesis − proteins
14	3.12	2e−03	74	Transcription factors − C2H2
15	3.08	2e−03	18	Energy metabolism
16	2.87	5e−03	13	Peptidases and inhibitors
17	2.8	6e−03	170	Transcription factors − C3HC4
18	2.79	6e−03	24	Inner membrane
19	2.76	7e−03	27	Enzyme − Transferring nitrogenous groups
20	2.5	1e−02	18	Chaperones − HSP20
Underexpressed				
1	−5.75	0e+00	211	Ribosome
2	−5.29	0e+00	219	Cell cycle
3	−4.76	0e+00	247	Ribosome
4	−4.6	0e+00	144	Eukaryotes
5	−4.31	0e+00	24	DNA Replication Factors
6	−4.09	0e+00	97	Archaea
7	−3.8	1e−04	134	Auxin signaling
8	−3.49	7e−04	62	Aminoacyl−tRNA synthesis
9	−3.33	1e−03	44	DNA Replication Factors
10	−3.32	1e−03	36	DNA replication
11	−3.22	1e−03	67	Bacteria
12	−3.09	2e−03	43	Aminoacyl−tRNA synthetases (AARSs)
13	−3.07	2e−03	48	Aminoacyl−tRNA synthesis
14	−3.01	3e−03	41	DNA replication
15	−2.95	3e−03	85	Nucleocytoplasmic transport
16	−2.95	3e−03	161	Enzyme − Transferring one−carbon groups
17	−2.9	4e−03	31	Chromosome and associated proteins − Gene silencing
18	−2.87	5e−03	72	Ribosome − Mitochondria, Chloroplast
19	−2.87	5e−03	162	Plant specific signaling pathway − Plant−pathogen interaction
20	−2.86	5e−03	44	Enzyme − Acting on paired donors, with oxygen as oxidant

Portrait

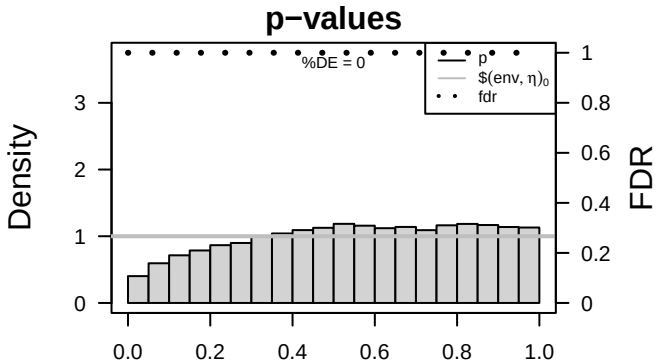


Top 100 DE genes





p−values



p−values