Sangio_accfreeze_r3

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> = 0.48

<fdr> = 1

Differentially expressed genes

Rank	ID	log(FC)	p−value	fdr	Description	Metagene
Overexpressed						
1	Vitvi01g01751	1.69	0.001	1	1 x 18	The component of a membrane consisting of the gene produc
2	Vitvi13g0006(	1.5	0.003	1	6 x 18	The component of a membrane consisting of the gene produc
3	Vitvi00g00994	1.02	0.008	1	9 x 40	
4	Vitvi15g01618	1.72	0.011	1	13 x 40	Catalysis of the transfer of a nucleotidyl group to a reactant.
5	Vitvi12g02718	1.72	0.012	1	17 x 40	A membrane−bounded organelle of eukaryotic cells in which
6	Vitvi11g01513	2.14	0.013	1	1 x 38	Binding to ATP, adenosine 5'−triphosphate, a universally impc
7	Vitvi15g00687	0.96	0.015	1	28 x 31	The component of a membrane consisting of the gene produc
8	Vitvi16g00922	1.4	0.015	1	4 x 17	Catalysis of a biochemical reaction at physiological temperatu
9	Vitvi02g01504	0.56	0.018	1	20 x 21	
10	Vitvi10g02242	2.2	0.019	1	1 x 8	
11	Vitvi00g0167(	2.2	0.019	1	1 x 8	
12	Vitvi09g01593	0.71	0.020	1	12 x 21	Binding to ADP, adenosine 5'−diphosphate.
13	Vitvi19g00525	1.75	0.023	1	21 x 1	
14	Vitvi18g00616	1.03	0.025	1	20 x 40	The component of a membrane consisting of the gene produc
15	Vitvi01g00682	1.48	0.025	1	13 x 40	The component of a membrane consisting of the gene produc
16	Vitvi06g00267	0.38	0.027	1	23 x 29	A lipid bilayer along with all the proteins and protein complexe
17	Vitvi18g02617	2.63	0.028	1	36 x 3	The process in which a solute is transported across a lipid bil
18	Vitvi13g01883	1.28	0.028	1	11 x 40	
19	Vitvi01g00608	1.25	0.028	1	4 x 37	Binding to a protein.
20	Vitvi14g0202(	0.55	0.028	1	10 x 27	Catalysis of the transfer of a glycosyl group from one compou
Underexpressed						
1	Vitvi10g0043(	−1.13	1e−05	1	18 x 19	
2	Vitvi14g00002	−1.82	2e−04	1	28 x 1	
3	Vitvi03g00773	−1.2	8e−04	1	28 x 1	Catalysis of a biochemical reaction at physiological temperatu
4	Vitvi17g00825	−1.13	1e−03	1	31 x 11	Catalysis of the transfer of a phosphate group, usually from A
5	Vitvi01g00233	−1.27	1e−03	1	13 x 31	A lipid bilayer along with all the proteins and protein complexe
6	Vitvi15g00728	−1.02	1e−03	1	29 x 4	Catalysis of the cleavage of C−C, C−O, C−N and other bonds
7	Vitvi01g00915	−0.86	1e−03	1	28 x 3	
8	Vitvi07g00452	−0.75	2e−03	1	29 x 19	A membrane−bounded organelle of eukaryotic cells in which
9	Vitvi02g01192	−0.92	2e−03	1	25 x 17	Binding to a zinc ion (Zn).
10	Vitvi18g01277	−0.57	2e−03	1	32 x 13	Binding to a metal ion.
11	Vitvi10g01334	−1.14	2e−03	1	25 x 24	Any process that modulates the frequency, rate or extent of c
12	Vitvi07g01276	−1.61	2e−03	1	40 x 19	The component of a membrane consisting of the gene produc
13	Vitvi17g00823	−0.79	3e−03	1	28 x 4	Binding to an RNA molecule or a portion thereof.
14	Vitvi18g02135	−1.27	4e−03	1	30 x 3	Binding to a zinc ion (Zn).
15	Vitvi18g00514	−0.64	4e−03	1	29 x 10	A lipid bilayer along with all the proteins and protein complexe
16	Vitvi04g01289	−0.53	4e−03	1	30 x 8	A lipid bilayer along with all the proteins and protein complexe
17	Vitvi04g00144	−0.79	5e−03	1	35 x 15	The part of the cytoplasm that does not contain organelles bu
18	Vitvi01g00084	−1.24	5e−03	1	28 x 2	
19	Vitvi09g0167(	−1.22	5e−03	1	34 x 11	
20	Vitvi04g0178(	−0.94	5e−03	1	28 x 18	

Differentially expressed gene sets

Rank	GSZ	p−value	#all	Geneset
Overexpressed				
1	6.93	0e+00	48	Transcription factors − WRKY
2	6.12	0e+00	49	Transcription factors − NAC
3	5.98	0e+00	162	Plant pathogen interaction
4	5.14	0e+00	238	Enzyme − Glycosyltransferases
5	4.77	0e+00	78	Glycosyltransferases
6	4.62	0e+00	153	Plant−pathogen interaction
7	4.04	0e+00	73	Transcription factors − AP2/ERF − AP2 EREBP
8	3.85	8e−05	16	Transcription factors − HSF
9	3.65	3e−04	206	Cell growth and death − Cell wall
10	3.58	4e−04	64	Transcription factors − Other transcription factors
11	3.25	1e−03	140	Hormone signaling − Ethylene signaling
12	3.19	2e−03	102	Amino sugar and nucleotide sugar metabolism
13	3.17	2e−03	11	Biosynthesis of secondary metabolites − ABA biosynthesis
14	3.14	2e−03	34	Carbohydrate metabolism − Nucleotide sugar metabolism
15	3.07	2e−03	56	Hormone signaling − Jasmonate signaling
16	2.62	1e−02	33	Carbohydrate metabolism − Amino sugar metabolism
17	2.61	1e−02	10	Peptidases − Peptidases and inhibitors − Family A1 peptidase − A1 pepsin family
18	2.44	2e−02	13	Cofactors and vitamins metabolism − Thiamine metabolism
19	2.44	2e−02	86	Signal transduction − Calcium−mediated signaling
20	2.42	2e−02	89	MAPK signaling pathway − plant
Underexpressed				
1	−7.35	0e+00	211	Ribosome
2	−7.04	0e+00	247	Translation − Ribosome
3	−6.15	0e+00	144	Ribosome − Eukaryotes
4	−5.1	0e+00	24	Replication, DNA repair − DNA Replication Factors
5	−4.94	0e+00	97	Ribosome − Archaea
6	−4.09	0e+00	67	Ribosome − Bacteria
7	−3.75	1e−04	72	Ribosome − Mitochondria − Chloroplast
8	−3.67	3e−04	219	Cell growth and death − Cell cycle
9	−3.02	3e−03	37	Chaperones − Protein disulfide isomerase
10	−2.74	7e−03	36	DNA replication
11	−2.43	2e−02	134	Hormone signaling − Auxin signaling
12	−2.43	2e−02	17	Riboflavin metabolism
13	−2.34	2e−02	41	Transporters − Primary active transporters − ABC cat D1
14	−2.2	3e−02	17	Chaperones − Peptidyl−prolyl isomerase
15	−2.15	3e−02	17	Kinase − MAPK family
16	−2.15	3e−02	36	Transcription factors − C2H2 zinc finger
17	−2.14	3e−02	51	Other metabolism − Sulfur reactions
18	−2.13	3e−02	41	Replication and DNA repair − DNA replication
19	−2.1	4e−02	77	Cysteine and methionine metabolism
20	−2.05	4e−02	41	Arginine and proline metabolism