Sangio_warm

Global Summary

%DE = NA

genes with fdr < 0.2 = 8256 (3948 + / 4308 −)

genes with fdr < 0.1 = 5479 (2712 + / 2767 −)

genes with fdr < 0.05 = 3655 (1793 + / 1862 −)

genes with fdr < 0.01 = 2104 (996 + / 1108 −)

<FC> = 0

<p−value> = 0.03

<fdr> = 0.37

Differentially expressed genes

Rank	ID	log(FC)	p−value	fdr	Description Metagene
Overexpressed					
1	Vitvi10g00299	1.22	1e−16	1e−13	32 x 36
2	Vitvi01g00080	0.55	1e−16	1e−13	25 x 31
3	Vitvi01g00157	0.8	1e−16	1e−13	40 x 19 The contents of a cell excluding the plasma membrane and n
4	Vitvi01g00161	0.42	1e−16	1e−13	29 x 10 Any process involved in the conversion of a primary mRNA tr
5	Vitvi01g00277	0.9	1e−16	1e−13	36 x 5 A lipid bilayer along with all the proteins and protein complexe
6	Vitvi01g01969	0.82	1e−16	1e−13	31 x 31
7	Vitvi02g00144	0.49	1e−16	1e−13	40 x 14 A lipid bilayer along with all the proteins and protein complexe
8	Vitvi04g00907	0.37	1e−16	1e−13	20 x 27 Binding to a metal ion.
9	Vitvi06g00153	1.56	1e−16	1e−13	20 x 1 Binding to a metal ion.
10	Vitvi08g01454	1.33	1e−16	1e−13	40 x 6 Binding to a zinc ion (Zn).
11	Vitvi08g00115	0.63	1e−16	1e−13	23 x 31 The component of a membrane consisting of the gene produc
12	Vitvi09g00502	1.78	1e−16	1e−13	8 x 20 Binding to ADP, adenosine 5'−diphosphate.
13	Vitvi12g00327	2.08	1e−16	1e−13	40 x 37 A lipid bilayer along with all the proteins and protein complexe
14	Vitvi12g02041	1.19	1e−16	1e−13	38 x 31 The component of a membrane consisting of the gene produc
15	Vitvi13g01200	1.33	1e−16	1e−13	13 x 40 Catalysis of an oxidation−reduction (redox) reaction in which
16	Vitvi13g00137	0.93	1e−16	1e−13	40 x 15 Organized structure of distinctive morphology and function, b
17	Vitvi14g02707	1.81	1e−16	1e−13	9 x 19 Binding to ADP, adenosine 5'−diphosphate.
18	Vitvi14g01272	1.06	1e−16	1e−13	38 x 5 Catalysis of the transfer of a group, e.g. a methyl group, glyco
19	Vitvi17g00366	1.32	1e−16	1e−13	40 x 5 Any molecular function by which a gene product interacts sel
20	Vitvi17g00648	0.92	1e−16	1e−13	40 x 4 A membrane−bounded organelle of eukaryotic cells in which
Underexpressed					
1	Vitvi10g00361	−1.27	1e−16	1e−13	27 x 21
2	Vitvi00g01887	−1.17	1e−16	1e−13	1 x 27
3	Vitvi07g02998	−1.17	1e−16	1e−13	1 x 27
4	Vitvi00g02197	−0.79	1e−16	1e−13	1 x 28
5	Vitvi07g03139	−0.79	1e−16	1e−13	1 x 28
6	Vitvi01g00114	−1.21	1e−16	1e−13	27 x 21 The action of a molecule that contributes to the structural inte
7	Vitvi02g00942	−0.75	1e−16	1e−13	1 x 18 A lipid bilayer along with all the proteins and protein complexe
8	Vitvi03g01092	−0.8	1e−16	1e−13	1 x 19 The chemical reactions and pathways resulting in the formatic
9	Vitvi03g00633	−0.79	1e−16	1e−13	35 x 21 Fibrous structure (light microscope view) that arises between
10	Vitvi04g00244	−0.51	1e−16	1e−13	7 x 29 A lipid bilayer along with all the proteins and protein complexe
11	Vitvi04g01904	−1.3	1e−16	1e−13	17 x 12 Catalysis of the hydrolysis of various bonds, e.g. C−O, C−N, (
12	Vitvi05g00032	−1.12	1e−16	1e−13	1 x 34 Catalysis of the transfer of an acyl group from one compound
13	Vitvi05g02250	−2.73	1e−16	1e−13	37 x 25
14	Vitvi05g01636	−0.39	1e−16	1e−13	12 x 12
15	Vitvi06g00493	−0.64	1e−16	1e−13	7 x 36 Any process involved in the maturation of a precursor 5.8S rit
16	Vitvi07g01798	−0.92	1e−16	1e−13	1 x 33 The contents of a cell excluding the plasma membrane and n
17	Vitvi07g02390	−2.14	1e−16	1e−13	17 x 15
18	Vitvi08g01722	−0.34	1e−16	1e−13	13 x 30 Binding to a nucleic acid.
19	Vitvi09g01925	−1	1e−16	1e−13	17 x 15
20	Vitvi10g01789	−0.67	1e−16	1e−13	28 x 25

Differentially expressed gene sets

Rank	GSZ	p−value	#all	Geneset
Overexpressed				
1	6.99	0e+00	206	Cell growth and death and Cell wall
2	6.74	0e+00	47	Transport
3	6.12	0e+00	39	Pentose and glucuronate interconversions
4	5.85	0e+00	78	Energy metabolism
5	5.81	0e+00	18	Energy metabolism
6	5.44	0e+00	38	Photosynthesis
7	5.29	0e+00	18	Photosynthesis
8	4.8	0e+00	26	Flavonoid biosynthesis
9	4.67	0e+00	30	Glycan biosynthesis and metabolism
10	4.5	0e+00	19	Aquaporins
11	4.5	0e+00	197	Transporters
12	4.34	0e+00	134	Hormone signaling
13	4.29	0e+00	78	Glycosyltransferases
14	4.14	0e+00	58	Carbohydrate metabolism
15	3.73	2e−04	10	Photosynthesis
16	3.6	4e−04	44	Hormone signaling
17	3.41	1e−03	44	Fructose and mannose metabolism
18	3.33	1e−03	81	Enzyme
19	3.32	1e−03	47	ABC transporters
20	3.2	2e−03	25	Nitrogen metabolism
Underexpressed				
1	−7.82	0e+00	64	Transcription factors
2	−7.44	0e+00	73	Transcription factors
3	−6.04	0e+00	140	Hormone signaling
4	−4.59	0e+00	48	Transcription factors
5	−4.39	0e+00	36	DNA replication
6	−4.15	0e+00	116	Ribosome
7	−4.07	0e+00	41	Replication and repair
8	−3.9	0e+00	49	Transcription factors
9	−3.6	4e−04	64	Ribosome biogenesis in eukaryotes
10	−3.55	5e−04	247	Translation
11	−3.53	5e−04	75	Translation
12	−3.42	1e−03	27	Enzyme
13	−3.39	1e−03	144	Ribosome
14	−3.38	1e−03	24	Replication and repair
15	−3.33	1e−03	219	Cell growth and death
16	−3.02	4e−03	17	Kinase − MAKR family
17	−3	4e−03	11	Transcription factors
18	−2.94	4e−03	44	Replication and repair
19	−2.88	5e−03	211	Ribosome
20	−2.87	5e−03	22	Replication and repair