Chard_acclim_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> = 0.43

<fdr> = 1

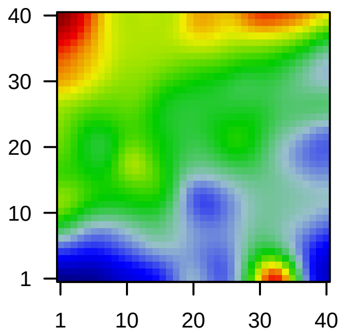
Differentially expressed genes

Rank	ID	log(FC)	p−value	fdr	Metagene	Description
Overexpressed						
1	Vitvi02g01417	1.53	0.001	1	13 x 29	A lipid bilayer along with all the proteins and protein complexe
2	Vitvi14g00091	0.66	0.002	1	21 x 25	Binding to a protein.
3	Vitvi06g00389	0.51	0.003	1	17 x 34	Any process that modulates the frequency, rate or extent of ce
4	Vitvi16g01633	1.42	0.004	1	14 x 16	
5	Vitvi15g01705	1.77	0.004	1	10 x 40	A lipid bilayer along with all the proteins and protein complexe
6	Vitvi17g00339	3.68	0.005	1	34 x 1	Binding to a heme, a compound composed of iron complexed
7	Vitvi19g00045	0.52	0.005	1	24 x 22	The component of a membrane consisting of the gene produc
8	Vitvi05g00526	0.54	0.006	1	8 x 30	The process involved in transforming a meristem that produce
9	Vitvi19g00189	0.78	0.007	1	17 x 34	A fine cytoplasmic channel, found in all higher plants, that cor
10	Vitvi04g01532	1.38	0.007	1	5 x 36	
11	Vitvi16g01417	0.59	0.007	1	9 x 33	Catalysis of the reaction: 1−phosphatidyl−1D−myo−inositol +
12	Vitvi07g01254	0.54	0.008	1	12 x 29	
13	Vitvi12g02326	1.83	0.008	1	17 x 40	Binding to a protein.
14	Vitvi04g00606	0.6	0.008	1	12 x 31	Catalysis of the reaction: protein serine phosphate + H2O = p
15	Vitvi04g01863	4.33	0.009	1	33 x 1	
16	Vitvi09g00427	1.47	0.009	1	4 x 37	Any process that stops, prevents, or reduces the frequency, ra
17	Vitvi13g01134	0.5	0.010	1	22 x 20	Any process involved in the conversion of a primary mRNA tra
18	Vitvi18g01122	0.52	0.010	1	19 x 31	The contents of a cell excluding the plasma membrane and n
19	Vitvi08g00850	0.95	0.010	1	12 x 37	Binding to ATP, adenosine 5'−triphosphate, a universally impo
20	Vitvi02g01276	0.83	0.010	1	20 x 37	
Underexpressed						
1	Vitvi02g00569	−0.99	2e−04	1	33 x 13	Catalysis of the reaction: 3−hydroxy−2−methylpropanoyl−CoA
2	Vitvi00g02203	−1.16	4e−04	1	22 x 29	
3	Vitvi19g02388	−1.16	4e−04	1	22 x 29	
4	Vitvi11g01239	−0.95	8e−04	1	25 x 4	The process whose specific outcome is the progression of the
5	Vitvi02g01809	−0.8	8e−04	1	29 x 9	
6	Vitvi00g00775	−0.8	8e−04	1	29 x 9	
7	Vitvi18g00685	−1.48	1e−03	1	16 x 4	The component of a membrane consisting of the gene produc
8	Vitvi09g00549	−0.83	2e−03	1	28 x 12	The chemical reactions and pathways involving organic or ino
9	Vitvi11g01061	−1.19	2e−03	1	6 x 22	
10	Vitvi09g00557	−1.51	2e−03	1	25 x 2	Binding to a metal ion.
11	Vitvi11g01324	−0.95	3e−03	1	27 x 8	The component of a membrane consisting of the gene produc
12	Vitvi06g00625	−1.12	3e−03	1	26 x 15	Binding to a zinc ion (Zn).
13	Vitvi15g01066	−1.26	3e−03	1	38 x 17	The component of a membrane consisting of the gene produc
14	Vitvi11g00051	−0.63	3e−03	1	24 x 28	The chemical reactions and pathways involving carbohydrates
15	Vitvi02g00106	−1.16	3e−03	1	40 x 15	The component of a membrane consisting of the gene produc
16	Vitvi17g01529	−1.42	3e−03	1	13 x 7	
17	Vitvi17g00238	−1.01	4e−03	1	9 x 26	Any process that modulates the frequency, rate or extent of tr
18	Vitvi05g02233	−1.42	4e−03	1	19 x 13	A lipid bilayer along with all the proteins and protein complexe
19	Vitvi11g00189	−0.86	4e−03	1	34 x 14	A chlorophyll−containing plastid with thylakoids organized into
20	Vitvi07g00016	−0.62	4e−03	1	26 x 11	A membrane−bounded organelle of eukaryotic cells in which

Differentially expressed gene sets

Rank	GSZ	p−value	#all	Geneset
Overexpressed				
1	3.78	1e−04	128	Ubiquitin system − Single Ring−finger type E3
2	3.44	8e−04	51	Plant specific signaling − Circadian rhythm
3	3.25	1e−03	18	Transcription factors − ARF
4	3.06	2e−03	110	Ubiquitin system − Multi subunit Ring−finger type E3
5	3.03	2e−03	32	Circadian rhythm − plant
6	2.88	5e−03	170	Transcription factors − Other C3HC4
7	2.82	6e−03	75	Translation − Ribosome biogenesis in Eukaryotes
8	2.79	6e−03	21	Thiamine metabolism
9	2.78	6e−03	151	RNA polymerase II system
10	2.77	7e−03	64	Ribosome biogenesis in eukaryotes
11	2.76	7e−03	62	Ribosome biogenesis − 90S particles
12	2.74	8e−03	26	Transcription factors − FAR−RED
13	2.73	8e−03	11	Transcription factors − GRF
14	2.67	8e−03	28	Transcription factors − SNF2
15	2.63	9e−03	57	Transcription factors − HB
16	2.55	1e−02	17	Kinase − IRAK family
17	2.54	1e−02	100	Plant specific signaling − Flower development
18	2.48	1e−02	116	Ribosome biogenesis − Pre 60S particles
19	2.46	2e−02	18	Photosynthesis − antenna proteins
20	2.39	2e−02	38	Transcription − Basal transcription factors
Underexpressed				
1	−4.58	0e+00	211	Ribosome
2	−4.48	0e+00	247	Translation − Ribosome
3	−4.43	0e+00	26	Flavonoid biosynthesis
4	−4.22	0e+00	67	Ribosome − Bacteria
5	−3.91	4e−05	72	Ribosome − Mitochondria/Chloroplast
6	−3.76	1e−04	81	Oxidative phosphorylation
7	−3.65	3e−04	73	Transcription factors − AP2 EREBP
8	−3.63	3e−04	105	Energy metabolism − Oxidative phosphorylation
9	−3.6	4e−04	51	Other metabolism − Single reactions
10	−3.53	5e−04	44	Ascorbate and aldarate metabolism
11	−3.48	7e−04	206	Cell growth and death − Cell wall
12	−3.44	8e−04	41	Transporter − Primary active transporter cat D1
13	−3.28	1e−03	140	Hormone signaling − Ethylene signaling
14	−3.18	2e−03	48	Transcription factors − WRKY
15	−3.15	2e−03	31	Biosynthesis of various plant secondary metabolites
16	−3.13	2e−03	40	Citrate cycle (TCA cycle)
17	−3.01	3e−03	102	Amino sugar and nucleotide sugar metabolism
18	−2.94	4e−03	79	Pyruvate metabolism
19	−2.91	4e−03	15	Chaperone − HSP70 / DNAK
20	−2.91	4e−03	39	Pentose and glucuronate interconversions

Portrait



Top 100 DE genes