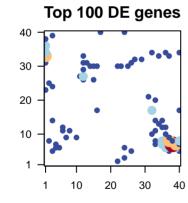
Tocai_accfreeze_r2

Global Summary

%DE = 0.24# genes with fdr < 0.2 = 14 (5 + /9 -)# 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 > = 0.29< fdr > = 0.76

Portrait 40 30 · 20 10 -10 20 30



17

18

Vitvi17q00629 -1.34

Vitvi05g01640 -0.76

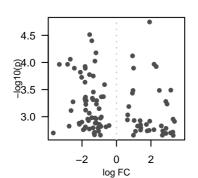
Vitvi01g00798 -0.87

4e-04 0.3

4e-04

4e-04 0.3

4e-04



Differentially expressed genes

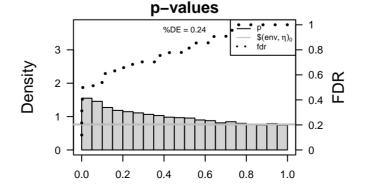
Rank ID		log(FC) fdr p-value		Description Metagene		Rank	GSZ	p-value	#all	Geneset	
Ove	rexpressed					Overexpressed					
1	Vitvi07g00518	1.92	2e-05	0.1	14 x 30	Progression through the phases of the meiotic cell cycle, in w	1	6.23	0e+00	49	Transcriptioanfactipition MACOrs - NAC
2	Vitvi10g00447		8e-05	0.1	12 x 27		2	4.9	0e+00	48	Transcription taket - WRKY
3	Vitvi08g01412	2.18	1e-04	0.1	1 x 33	A membrane-bounded organelle of eukaryotic cells in which	3	4.86	0e+00	140	Hormonelstigmating signitalitegne stigmating signaling
4	Vitvi09g00988	2.31	1e-04	0.1	7 x 9	The component of a membrane consisting of the gene produc	4	4.59	0e+00	62	RibosomeRitiosemesisieg@@@spartides particles
5	Vitvi08g02164	0.99	1e-04	0.1	12 x 29	Binding to an RNA molecule or a portion thereof.	5	4.2	0e+00	170	Transcriptionsiption (atters: -Other:4-C3HC4
6	Vitvi19g00111	3.15	3e-04	0.3	6 x 11		6	4.2	0e+00	116	RibosomeRitiosemesisiog@rees669S PaetidleS particles
7	Vitvi06g01629	2.49	3e-04	0.3	1 x 34		7	4.07	0e+00	73	TranscriptToanfactipition AR20EREBP2 EREBP
8	Vitvi07g01872	0.96	3e-04	0.3	12 x 31	A lipid bilayer along with all the proteins and protein complexe	8	3.93	4e-05	64	Transcriptionniscription (attiersran@theptionniscription factors
9	Vitvi06g01722	0.92	4e-04	0.3	13 x 31	Binding to a protein.	9	3.83	8e-05	128	Ubiquitin Liksiteuntin-Sinstelen Rindin-tilleg Birtgp Erfger type E3
10	Vitvi16g01475	2.86	5e-04	0.3	2 x 8		10	3.61	4e-04	151	RNA poly RNsAspellyrsystems II system
11	Vitvi05g01910	2.94	6e-04	0.3	4 x 7		11	3.58	4e-04	75	Translatio Translatiosome Ritiogenes isi io genesis jo tesukaryotes
12	Vitvi08g01417	0.72	6e-04	0.4	11 x 27	Binds to and modulates the activity of an enzyme.	12	3.47	8e-04	64	RibosomeRitiogenesisiogenekaisyotesukaryotes
13	Vitvi00g00790	0.65	9e-04	0.4	12 x 27		13	3.15	2e-03	89	MAPK sig htalipki sightahiang -p atlann ay – plant
14	Vitvi14g01808	3.28	1e-03	0.4	3 x 14	Binding to a heme, a compound composed of iron complexed	14	3.12	2e-03	28	TranscriptToantscripttion SMT62s - SNF2
15	Vitvi06g00746	0.64	1e-03	0.4	12 x 26	Binding to a zinc ion (Zn).	15	3.02	3e-03	95	Ubiquitin billeidijaitierd medieoblydsisroteolysis
16	Vitvi18g00794	1.03	1e-03	0.4	12 x 33	The part of the cytoplasm that does not contain organelles bu	16	2.9	4e-03	35	Mitophagly/liamphragy factors
17	Vitvi17g00019	1.37	1e-03	0.4	1 x 23	Binding to a nucleic acid.	17	2.82	6e-03	81	Translatio Transl Bill NA sum (B. M. An serpetifia waye pathway
18	Vitvi09g00177	1.93	1e-03	0.4	15 x 26	The chemical reactions and pathways involving carbohydrate:	18	2.78	6e-03	25	BiosyntheBiosynthesisdafryenetabarlysmetaZetisimbioZsyatimeIsiosynthesis
19	Vitvi04g00798	3.37	1e-03	0.4	5 x 6		19	2.75	7e-03	33	CarbohydCateborleytalbatesmmetaAbolisoosugAansinoostagaotissmmetabolism
20	Vitvi04g00467	1.74	1e-03	0.4	1 x 31		20	2.75	7e-03	110	Ubiquitin sylpiteritin-sylpiteinsub whith Rando-dimitg Rintgop Entiger type E3
Underexpressed							Underexpressed				
1	Vitvi12g02192	-1 56	3e-05	0.1	37 x 9	A lipid bilayer along with all the proteins and protein complexe	1	-12.3	0	18	Energy m Etæbrgl jsmeta BbötosyntPlessissymteres asp moteims a proteins
2	Vitvi17g01581		4e-05	0.1	33 x 8	Any molecular function by which a gene product interacts sele	2	-12.08		18	PhotosyntPleasies-yrathlesies-paroteimsa proteins
3	Vitvi06g00592		7e-05	0.1	25 x 30	, , ,	3	-11.91		47	Transporteraratalouter-datailsportTeteratpourtoalsiders carriers
4	Vitvi07g02608		9e-05	0.1	38 x 7	Catalysis of a biochemical reaction at physiological temperatu	4	-11.85	0	38	Photosyn (Pleasissynthesis
5	Vitvi05g00389	-1.25	9e-05	0.1	16 x 17		5	-11.77	0	78	Energy metaebolismetaebolismsynthesis
6	Vitvi09g00206	-2.84	1e-04	0.1	40 x 5	The component of a membrane consisting of the gene produc	6	-8.49	0	10	Photosyn Priessissy mutteissis Primoteissys Pelmoto(497504 no.1hl(4976) Dydhalo) rophyll a)
7	Vitvi15g01549		1e-04	0.1	36 x 34	The component of a membrane consisting of the gene produc	7	-6.66	0	26	Flavonoid Flavosyntildelsis synthesis
8	Vitvi13g01710	-1.82	1e-04	0.1	39 x 7	Binding to an RNA molecule or a portion thereof.	8	-6.24	0	40	Transport Topasteprort Stylsytenkoid Tlaybektorid perthetiang pathway
9	Vitvi13g00254		1e-04	0.1	37 x 33	Binding to a calcium ion (Ca2+).	9	-6	0	80	Cytoskele@moskelletotubulkeisrotubules
10	Vitvi12g01968		1e-04	0.2	40 x 8	Any molecular entity that serves as an electron acceptor and	10	-5.24	0	217	Cell motilitige# filetjiut/atioRectjut/attioncyutosketetoyntoskeleton
11	Vitvi08g00877		2e-04	0.2	32 x 34	Catalysis of the hydrolysis of any O–glycosyl bond.	11	-5.18	0	67	RibosomeRibBamteeia- Bacteria
12	Vitvi09g01263		2e-04	0.2	40 x 7		12	-4.98	0	72	Energy metadoglysmetaCollison fixation fixation
13	Vitvi02g00548		2e-04	0.2	22 x 30		13	-4.79	0	51	Carbon fixationoinfiplacitossymthleoincsygatresionsrganisms
14	Vitvi19g00308		2e-04	0.3	39 x 6	The component of a membrane consisting of the gene produc	14	-4.7	0	72	RibosomeRib Mitwoleon dilitate dibiodojala Shloroplast
15			2e-04	0.3	38 x 8	The part of the cytoplasm that does not contain organelles bu	15	-4.56	0	41	Porphyrin Poetalyolismetabolism Poetidos dematidizativi international Statement in Michigan Statement (S.10)
16	Vitvi05g00207	-0.69	3e-04	0.3	33 X 11	A semiautonomous, self replicating organelle that occurs in v	16	-4.56	0	34	Peptidase@eantidaseisbitons inlifibitohs S1Ramily S10

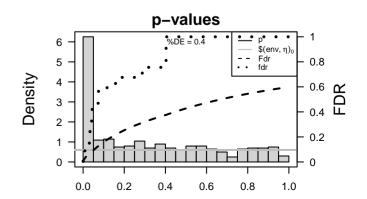
37 x 8 The chemical reactions and pathways involving carbohydrates

33 x 14 The component of a membrane consisting of the gene produc

27 x 32 A membrane-bounded organelle of eukaryotic cells in which

32 x 17 Binding to an RNA molecule or a portion thereof.





Cell grow (Dealingtrouter tit hand Datablauthall Cell wall

CarbohydCatebotetaladeismetal5olistose Endotoseravaeimætabseismetabolism

Translatio Translation meRibosome

RibosomeRibosome

-4.53

-4.48

-4.46

-4.37

18

Ω

206

211

247

Differentially expressed gene sets