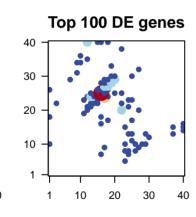
Riesl_accfreeze_r1

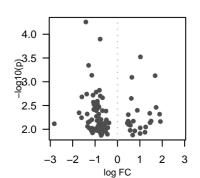
Global Summary

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

Portrait 30 20 10 20 30 40



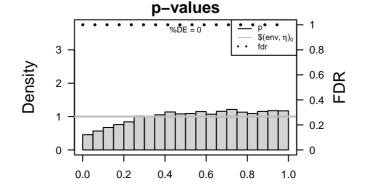


Differentially expressed genes

Rank ID		log(F	log(FC) fdr p–value		Description Metagene		Rank	GSZ	p-value	#all	Geneset
Over	Overexpressed						Overexpressed				
1	Vitvi04g00295	1.02	3e-04	1	22 x 20	A ubiquitin ligase complex in which a cullin from the Cul1 sub	1	7.86	0e+00	18	Photosyn@Piessissyrathhtesisa-paroteimsa proteins
2	Vitvi10g00224	1.68	7e-04	1	1 x 26	The contents of a cell excluding the plasma membrane and n	ż	7.83	0e+00	18	Energy mētabroglijsmetalēbibisos yn Plassis saymilieras as paroteims a proteins
3	Vitvi16g01065	0.64	8e-04	1	10 x 34		3	7.63	0e+00	47	Transporterarestatuter-Catellegort Televispoort celevieren carriers
4	Vitvi06g01504	0.62	2e-03	1	7 x 29	The cellular process in which a signal is conveyed to trigger a	4	6.33	0e+00	206	Cell growthethrendotthandotthandotthall Cell wall
5	Vitvi13g01884	1.73	3e-03	1	12 x 40	Binding to ATP, adenosine 5'-triphosphate, a universally impo	5	4.87	0e+00	10	Photosyn Pleastis symutheis is Photeirs ys Pelmoto (\$9750@noth) (\$750@noth) (\$750@noth) (\$750@noth)
6	Vitvi06g00592	0.89	4e-03	1	25 x 30	A membrane-bounded organelle of eukaryotic cells in which	6	4.77	0e+00	10	Peptidase Seantidas leistands in Hibitoins A 1F are plant family sin family
7	Vitvi15g01636	1.44	5e-03	1	15 x 40	The chemical reactions and pathways involving carbohydrates	7	4.74	0e+00	38	Photosynt Places is synthesis
8	Vitvi14g02497	1.88	5e-03	1	16 x 40		8	4.34	0e+00	73	Transcription faction factors Report EREBP
9	Vitvi01g00660	0.48	5e-03	1	9 x 31	Binding to a protein.	9	4.08	0e+00	26	Flavonoid Flavos ynutidelsios synthesis
10	Vitvi13g01379	1.5	7e-03	1	22 x 38	The contents of a cell excluding the plasma membrane and n	10	3.99	0e+00	11	TranscriptToanfactipition Califors - GRF
11	Vitvi04g00965	0.71	7e-03	1	25 x 23	A membrane-bounded organelle of eukaryotic cells in which	11	3.6	4e-04	78	Energy mEtæbrgljsmetaBblismsynPlæsissynthesis
12	Vitvi18g01136	0.48	7e-03	1	16 x 18	Catalysis of the transfer of ubiquitin to a substrate protein via	12	3.42	9e-04	64	TranscriptToanfactipition (AttherstranOttripttionnfactipition factors
13	Vitvi14g01651	1.92	7e-03	1	18 x 40		13	3.37	9e-04	44	Enzyme -Efiziy/m.e.etifi.gl on Ascpiegozida as acceptor
14	Vitvi16g01537	0.51	7e-03	1	24 x 23		14	3.31	1e-03	63	Phenylpro Phaemoj to bio paynotitalesis synthesis
15	Vitvi02g01360	1.46	7e-03	1	12 x 40		15	2.94	4e-03	74	Transcriptionnisactipation (22H2)s - C2H2
16	Vitvi02g00176	0.44	7e-03	1	22 x 20	A membrane-bounded organelle of eukaryotic cells in which	16	2.87	5e-03	80	Cytoskele@ntoskeletotubulkeisrotubules
17	Vitvi02g01150	0.5	8e-03	1	22 x 22	The component of a membrane consisting of the gene produc	17	2.67	8e-03	18	Chaperon@habts@@ae - HSP20
18	Vitvi16g01129	0.58	8e-03	1	24 x 21	Binding to a protein.	18	2.53	1e-02	140	Hormonelskigmating sigfital/ingne Sittmating signaling
19	Vitvi14g00019	1.26	9e-03	1	1 x 18	- '	19	2.46	2e-02	25	BiosyntheBiosyfrateesisdafraenetadautjsmetaZetismbioZsyattmelsissynthesis
20	Vitvi12g00665			1		A membrane-bounded organelle of eukaryotic cells in which	20	2.45	2e-02	26	Steroid bi@stayrotilodesiessynthesis
Una	nderexpressed						Underex	•			
1	Vitvi13g02251	-1.41		1	29 x 13	Any process that modulates the frequency, rate or extent of co	1	-5.32	0e+00	45	Galactos@alatabsesmetabolism
2	Vitvi14g01201	-0.77		1		The component of a membrane consisting of the gene produc	2	-4.76	0e+00	409	Enzyme -E0ZymTexas2e7rinTgapbfæspingrpbesphtariusing-grataiping groups
3	Vitvi14g01055 Vitvi05g00368			1	16 x 25	Binding to ATP, adenosine 5'-triphosphate, a universally important binding to a zinc ion (Zn).	3 4	-4.68	0e+00	162	Plant spe@lfantsignedifig signaline.goath@getnpathoggetointeraction
4 5	Vitvi03g0036c			1	37 x 13 19 x 30	A lipid bilayer along with all the proteins and protein complexe	5	-4.09 -3.6	0e+00 4e-04	126 161	Translatio Trans Nationan Stylick transport Enzyme - EnzymTeans2etriiTigaosferdachonegroeptson groups
6	Vitvi07g00130 Vitvi15g01062			1	14 x 24	The component of a membrane consisting of the gene produc	6	-3.5	4e-04 6e-04	45	Valine leut/aritmanheutsionle acrideisobhepraidhetidegradation
7	Vitvi07g01642			1	17 x 9	A lipid bilayer along with all the proteins and protein complexe	7	-3.37	1e-03	79	Transporterarasatorer-detailers-calcotters 64t 30 to 64
8	Vitvi06g00346			1	28 x 10	The contents of a cell excluding the plasma membrane and n	8	-3.31	1e-03	25	Lysine delgysidatidegradation
9				1	16 x 26	Binding to ATP, adenosine 5'-triphosphate, a universally impo	9	-3.29	1e-03	41	Arginine aArginineirændhetalbioësmetabolism
10	Vitvi09g01260			1	27 x 32	A membrane–bounded organelle of eukaryotic cells in which	Ĭ0	-3.27	1e-03	144	RibosomeRib EstkarreyoteSukaryotes
11	Vitvi10g00778			1	12 x 24	Binding to a calcium ion (Ca2+).	11	-3.23	1e-03	77	CarbohydCatebotetalbatësmetaGalisotoseGalatatosësmetabolism
12	Vitvi07g00360	-0.9	3e-03	1	26 x 8	Binding to ATP, adenosine 5'-triphosphate, a universally impo	12	-3.12	2e-03	33	Glycan bi@dycatmetsissaymothressitaabotilsmeetaltslet@dycanNei@dycatmetsissynthesis
13	Vitvi13g00043	-1.07	3e-03	1	18 x 17	Binding to ADP, adenosine 5'-diphosphate.	13	-3.03	2e-03	43	Alanine a. Spantate aspartitutea anadeghotet arbatilis metabolis m
14	Vitvi04g01735	-0.9	3e-03	1	20 x 29	The process in which a uridine in position 34 of a tRNA is pos	14	-3.02	3e-03	92	Lipid metalipoidismeta/66/jisenolip@dymentalipoidismetabolism
15	Vitvi16g01195	-1.05	3e-03	1	11 x 19	Catalysis of the reaction: ATP + H2O = ADP + phosphate, to	15	-2.93	4e-03	85	Nucleocythiptaleoniyatopalaspoint transport
16	Vitvi18g00927		3e-03	1	18 x 26	Catalysis of the transfer of an acyl group to an oxygen atom c	16	-2.82	6e-03	40	N-GlycarNoi@sycalmelsicsynthesis
17	Vitvi04g00769	-0.83	3e-03	1	17 x 29	Catalysis of the removal of a methyl group from a modified lys	17	-2.81	6e-03	247	Translatio Translatisso meRibosome

23 x 8 A conserved protein complex that catalyzes methylation of his

27 x 20 Catalysis of the transfer of a group, e.g. a methyl group, glyco



Vitvi14g01709 -0.83

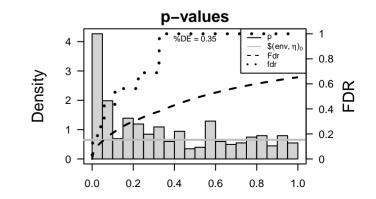
Vitvi10g0012C -0.9

Vitvi00g02356 -1.05

3e-03

4e-03

4e-03



Valine leukratien en tre Lisionle varid estrites synitheels is synthesis

Amino aciAhniretatucitismetaAtalisime-aAtbaispeartateaspeartateismetabolism

Transporterarestatorter-destaters-cattorters6cat 1 to 6

-2.76

-2.76

-2.75

18

19

7e-03

7e-03

7e-03

10

96

68

Differentially expressed gene sets