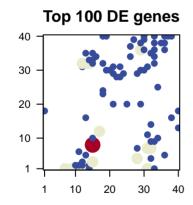
# Chard\_freeze\_r2

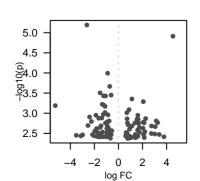
### **Global Summary**

%DE = 0.17 # genes with fdr < 0.2 = 1 (0+/1 -) # genes with fdr < 0.1 = 1 (0+/1 -) # genes with fdr < 0.05 = 0 (0+/0 -) # genes with fdr < 0.01 = 0 (0+/0 -)

<FC> = 0<p-value> = 0.32<fdr> = 0.83

## 



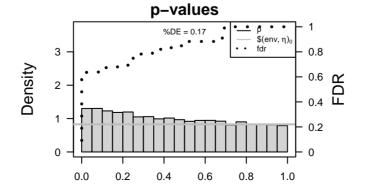


### Differentially expressed genes

Rank

	ID		p-value		Metagene					
Over	verexpressed									
1	Vitvi09g02008	4.53	1e-05	0.6	31 x 1	An intracellular non-membrane-bounded organelle comprisir				
2	Vitvi16g00112	1.12	4e-04	0.6	32 x 7	Binding to ATP, adenosine 5'-triphosphate, a universally impo				
3	Vitvi18g02819	2.06	5e-04	0.6	1 x 18	Catalysis of the hydrolysis of any ester bond.				
4	Vitvi17g00730	0.88	8e-04	0.6	13 x 16	Catalysis of the transfer of ubiquitin from one protein to anoth				
5	Vitvi10g00713	0.7	1e-03	0.6	31 x 11	Binding to a ribosome.				
6 7	Vitvi03g00649	1.61	1e-03	0.6	28 x 4					
	Vitvi11g01506	2.26	1e-03	0.6	17 x 12	A lipid bilayer along with all the proteins and protein complexe				
8	Vitvi13g01650	0.71	1e-03	0.6	33 x 9	The action of a molecule that contributes to the structural inte				
9	Vitvi00g00753	1.55	1e-03	0.6	15 x 3					
10	Vitvi00g01184	1.63	1e-03	0.6	32 x 4					
11	Vitvi07g03094	1.55	1e-03	0.6	15 x 3					
12	Vitvi19g01028	3.14	2e-03	0.6	7 x 1	Binding to a heme, a compound composed of iron complexed				
13	Vitvi16g01882	2.06	2e-03	0.6	13 x 1					
14	Vitvi04g01233	3.25	2e-03	0.6	9 x 1	Catalysis of the transfer of a glycosyl group from a UDP-suga				
15	Vitvi07q01333	2.13	2e-03	0.6	9 x 1	The chemical reactions and pathways involving lipids, compor				
16	Vitvi04g00005	1.37	2e-03	0.6	31 x 7					
17	Vitvi06g01364	0.75	2e-03	0.6	15 x 8	The directed movement of proteins in a cell, including the movement				
18	Vitvi11g00267	1.67	2e-03	0.6	12 x 3	The membrane surrounding a cell that separates the cell from				
19	Vitvi11g00438	1.67	2e-03	0.6	13 x 5	The chemical reactions and pathways involving organic or inc				
20	Vitvi05g02178	0.81	2e-03	0.6	25 x 20	, , , ,				
_	-									
	erexpressed									
1	Vitvi07g01921	-2.63	6e-06	0.09	33 x 34	The component of a membrane consisting of the gene produc				
2	Vitvi02g01272	-0.9	1e-04	0.60	12 x 32	Catalysis of the transfer of a group, e.g. a methyl group, glyco				
3	Vitvi01g00070	-0.73	2e-04	0.60	23 x 28	Catalysis of the transfer of a methyl group to an acceptor mol				
4	Vitvi14g01799	-1.53	3e-04	0.60	34 x 25	The component of a membrane consisting of the gene produc				
5	Vitvi11g00483 Vitvi13g00747	-0.61 -1.24	4e-04 4e-04	0.60 0.60	22 x 28 21 x 29	The contents of a cell excluding the plasma membrane and no Catalysis of a biochemical reaction at physiological temperature.				
2 3 4 5 6 7	Vitvi02g00256	-1.24	4e-04 4e-04	0.60	28 x 29	The component of a membrane consisting of the gene produc				
8	Vitvi07g01280	-1.35	6e-04	0.60	20 x 29 21 x 31	Binding to ATP, adenosine 5'-triphosphate, a universally impo				
9	Vitvi07q01930	-1.22	6e-04	0.60	18 x 40	Catalysis of the hydrolysis of internal, alpha–peptide bonds in				
10	Vitvi07g02443	-5.25	6e-04	0.60	37 x 40	Catalyolo of the hydrolyolo of mornal, alpha populae bonde in				
11	Vitvi08g01792	-1.11	7e-04	0.60	16 x 34	The contents of a cell excluding the plasma membrane and n				
12	Vitvi05g00437	-1.12	1e-03	0.60	40 x 13	The component of a membrane consisting of the gene produc				
13	Vitvi06g01227	-1.26	1e-03	0.60	31 x 31	Catalysis of the transfer of a glycosyl group from one compou				
14	Vitvi08g00174	-0.87	1e-03	0.60	30 x 30	A membrane-bounded organelle of eukaryotic cells in which				
15	Vitvi18g00355	-1.87	1e-03	0.60	33 x 36	A closed structure, found only in eukaryotic cells, that is comp				
16	Vitvi04g01481	-2.4	1e-03	0.60	35 x 38	The chemical reactions and pathways involving carbohydrate:				
17	Vitvi19g00276	-1.39	1e-03	0.60	26 x 37	The chemical reactions and pathways resulting in the formatic				
18	Vitvi11g00401	-1.64	1e-03	0.60	32 x 35	The component of a membrane consisting of the gene produc				
19	Vitvi01g01700	-0.78	2e-03	0.60	21 x 20	Binding to nicotinamide-adenine dinucleotide phosphate, a ci				
20	Vitvi18g01238	-2.25	2e-03	0.60	36 x 36	The space external to the outermost structure of a cell. For ce				

Description



#### Differentially expressed gene sets

Rank	GSZ	p-value	#all	Geneset
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	· (aiii	002	p	<i>n</i> an	Concoct
	Overexp	ressed			
isir	1	5.8	0e+00	64	TranscriptToanfactipition (attlerstran@thieptioanfactipition factors
рс	2	5.37	0e+00	73	Transcription faction factors and the control of th
	3	4.62	0e+00	140	Hormone Higgmating signthlytegne Sittmeting signaling
oth	4	3.58	4e-04	26	Flavonoid Flavorsyntilial Esias synthesis
	5	3.48	7e-04	45	Galactos <b>⊕alatatosi</b> smetabolism
	6	3.31	1e-03	42	Tryptopha <b>Tryptdabelism</b> etabolism
эхе	7	3.3	1e-03	11	BiosyntheBiosyntsbesisdafraenetadarljsmetaAbBAstriosyNBAelsiosynthesis
nte	8	3.25	1e-03	39	Enzyme -Ent/2/nAetinol.2n Aldeirad derhylde aldelwyderourposof deproups of donors
	9	3.08	2e-03	92	Lipid metalipoidismeta@b/isenolip@dyccenalipoidismetabolism
	10	2.98	3e-03	48	Transcription faction taket or WRKY
	11	2.93	4e-03	18	Chaperor@hapt86729 - HSP20
ed	12	2.91	4e-03	29	Carotenoi dariote protidelsios synthesis
	13	2.89	4e-03	108	CarbohydCateborleytdlattësmmetaBoplisvrate Phyetaladtësmmetabolism
ıga	14	2.85	5e-03	57	Glyoxylat Shroxydiatar boodytäita inbestarbattiisinnet abolism
DOI	15	2.83	5e-03	51	Carbon fixation in fixations in the old synthesians reanisms
	16	2.8	6e-03	26	Pantother Rate tethre Catt birots (Cattlesiss yn thesis
יסח	17	2.67	8e-03	12	SLC15: PShtr6/15ali@opteptiolegopteptisleoroteransporter
on	18	2.64	9e-03	15	Chaperor@habts877@ + DISARKO / DNAK
inc	19	2.59	1e-02	38	Protein – Khookeieren Ghapetieren Jautobeten autobeten a
	20	2.47	1e-02	72	RibosomeRibletonelondulited dDalodonalaShloroplast
	-				
	Underex				
duc	1	-10.61	0e+00	206	Cell growthedingtroubethhandCoddathathall Cell wall
CO	2	-8.4	0e+00	217	Cell motilitiell filetjiidpatioRegialatiioncydfoskeiletcyntoskeleton
iol	3	-7.82	0e+00	80	Cytoskeletonoskeletonubulkisrotubules
duc In	4	-6.51	0e+00 0e+00	10 78	PeptidaseSephidaisleibibons in Hibirtohs A1FareipsiA familipsin family Glycosyltr@hydrosylteansSenasleralStohydradrobroksaccharide
atu	5 6	-6.19 -5.89	0e+00 0e+00	78 19	Aquaporin Aquaposima lamelus makslohetet na hasputet eran [3] 12.1.A.8
duc	7	-5.41	0e+00	129	Enzyme -E8:22/r024ye03s2ta96ycosylases
ipc	8	-5.41 -5.14	0e+00	219	Cell growthetingrouetithan-CoddathicleCell cycle
in	9	-4.52	0e+00	11	TranscriptTomnfactiputson (aRtfors – GRF
	10	-4.45	0e+00	134	Hormone Istigmating sighaling signaling
l n	11	-4.43	0e+00	66	Exosome Ex Escostema Except in a logi rollar aid the pt-blacket exettlancer cells
duc	12	-4.26	0e+00	34	PeptidaseReputidasleitsianus in Hilaitoitys S1Ramily S10
ou	13	-4.2	0e+00	18	Photosyn Plecisios y rathlesis a-proteins a proteins
ch	14	-4.19	0e+00	168	Plant hormPlame Isigmabitrassighaditions
mŗ	15	-4.17	0e+00	102	Amino su@aniaoosogaleanidensolgatideesalgalismetabolism
ite:	16	-4.15	0e+00	24	Replication prioretion printering probabilitation Factors
atic	17	-4.08	0e+00	30	Glycan bi@sycalmelsisssymothrensitaabolilsmmetallsle/@slycarNele@llycchartide.gradation
duc	18	-4.02	0e+00	17	Kinase – KRAdsteamilikAK family
CI	19	-3.87	8e-05	113	Exosome Ex Exos rema Excepte in a lopino obtains cotá localor resetablismo er cells

