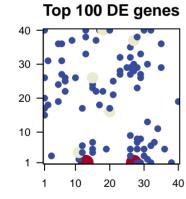
Riesl_freeze_r2

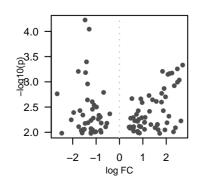
Global Summary

%DE = 0.11 # 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 > = 0.36< fdr > = 0.89

Portrait 40 30 · 20 10 30 10 20





Differentially expressed genes

Rank ID		log(F	C) p–va	fdr lue	Meta	Description gene	F
Over	rexpressed						(
1	Vitvi02g01446	2.7	5e-04	0.8	29 x 1		1
2	Vitvi16q01103	2.48	6e-04	0.8	27 x 1	Binding to ATP, adenosine 5'-triphosphate, a universally impo	2
3	Vitvi18q01438	1.84	6e-04	0.8	7 x 22	3. , , , , , , , , , , , , , , , , ,	3
4	Vitvi15g00110	2.24	7e-04	0.8	30 x 3	A lipid bilayer along with all the proteins and protein complexe	4
5	Vitvi08g02189	2.14	7e-04	0.8	38 x 1	The contents of a cell excluding the plasma membrane and n	5
6	Vitvi10q00496	2.07	7e-04	0.8	12 x 4	The process of assisting in the covalent and noncovalent assi	ě
7	Vitvi03g00379	2.56	9e-04	0.8	12 x 6	Binding to a heme, a compound composed of iron complexed	7
8	Vitvi16q00681	2.48	1e-03	0.8	5 x 24		8
9	Vitvi11q01683	2.35	1e-03	0.8	1 x 17		g
10	Vitvi08g00689	1.91	1e-03	0.8	11 x 3	Catalysis of an oxidation-reduction (redox) reaction, a reversi	1
11	Vitvi18g02592	1.81	2e-03	0.8	2 x 31	The space external to the outermost structure of a cell. For ce	1
12	Vitvi10q01346	1.26	2e-03	0.8	15 x 4	Binding to a nucleic acid.	1
13	Vitvi17g00695	1.97	2e-03	0.8	36 x 5	The contents of a cell excluding the plasma membrane and n	1
14	Vitvi18g00577	0.53	2e-03	0.8	26 x 9	The component of a membrane consisting of the gene produc	1
15	Vitvi04g01223	0.91	2e-03	0.8	5 x 19	The irregular network of unit membranes, visible only by elect	1
16	Vitvi05g01918	1.41	2e-03	0.8	30 x 5	A membrane-bounded organelle of eukaryotic cells in which	1
17	Vitvi04g01792	1.58	2e-03	0.8	26 x 3	Any process that results in a change in state or activity of a co	1
18	Vitvi03g01723	1.8	3e-03	0.8	28 x 1	A lipid bilayer along with all the proteins and protein complexe	1
19	Vitvi03g00845	0.97	3e-03	0.8	15 x 7	The contents of a cell excluding the plasma membrane and n	1
20	Vitvi02g00374	1.88	4e-03	0.8	11 x 2	Binding to a protein.	2
	erexpressed						L
1	Vitvi16g01055	-1.47	6e-05	0.7	26 x 32	The chemical reactions and pathways involving lipids, compo	1
2	Vitvi10g01963	-1.3	9e-05	0.8	23 x 28	The action of a molecule that contributes to the structural inte	2
3	Vitvi14g01675	-1.41	4e-04	0.8	20 x 17	The contents of a cell excluding the plasma membrane and n	
4	Vitvi17g00837 Vitvi12g02382	-1.76 -1.45	6e-04 7e-04	0.8 0.8	18 x 40 9 x 37	The component of a membrane consisting of the gene produc Catalysis of the hydrolysis of any ester bond.	4
3 4 5 6 7	Vitvi09q00225	-1.45	1e-04	0.8	13 x 33	Any process that modulates the frequency, rate or extent of pl	6
7	Vitvi14g01595	-0.68	2e-03	0.8	23 x 27	The component of a membrane consisting of the gene produc	7
8	Vitvi18g00398	-2.67	2e-03	0.8	32 x 40	Binding to a protein.	έ
9	Vitvi04q00148	-1.37	2e-03	0.8	27 x 37	Catalysis of a biochemical reaction at physiological temperatu	ç
10	Vitvi09g01492	-1.16	2e-03	0.8	27 x 28	,	1
1ĭ	Vitvi05g00623	-1.09	3e-03	0.8	23 x 32	Binding to ATP, adenosine 5'-triphosphate, a universally impo	i
12	Vitvi14g02945	-0.98	3e-03	0.8	26 x 35	Organized structure of distinctive morphology and function, b	1
13	Vitvi18g00900	-1.16	4e-03	8.0	20 x 16	Binding to a protein.	1
14	Vitvi15g00928	-1.69	4e-03	8.0	35 x 29	Binding to a calcium ion (Ca2+).	1
15	Vitvi12g01655	-1.96	4e-03	8.0	5 x 36	Any molecular function by which a gene product interacts sele	1
16	Vitvi09g00069	-0.41	4e-03	8.0	21 x 21	Any process involved in the conversion of a primary mRNA tra	1
17	Vitvi19g01548	-1.57	5e-03	8.0	29 x 27	A chlorophyll–containing plastid with thylakoids organized into	1
18	Vitvi08g01608	-0.88	5e-03	8.0	28 x 23	The double lipid bilayer enclosing the chloroplast and separat	1
19	Vitvi14g00410	-0.88	5e-03	0.8	34 x 11	Binding to a metal ion.	1

Differentially expressed gene sets

Rank	GSZ	p-value	#all	Geneset

	Overe	xpressed			
	1	6.61	0e+00	17	Proteason Proteason en blings sectoris
рс	ż	6.49	0e+00	15	Chaperor@haphts@nne + DNS.RNO / DNAK
	3	6.43	0e+00	157	Protein priðræssingriorcessloglasærindoptlasifnira reticulum
эхе	4	6.19	0e+00	12	Endoplas Erincloptias in in meticoulum menendo caynes and cytosol
l n	5	5.9	0e+00	140	Hormonelskigmating signatifiene signating signaling
SSI	6	5.75	0e+00	48	TranscriptToantsactipation YaleNors - WRKY
ed	7	5.64	0e+00	18	Chaperor@haphs@@2e - HSP20
	8	5.57	0e+00	73	Transcription faction factors REBP2 EREBP
	9	5.36	0e+00	64	TranscriptToanfactipition (altherstran@threptioanfactipition factors
rsi	10	4.9	0e+00	71	ExosomeExPsoteies-fPantelinsrfmateixosomsesexosomes
CE	11	4.86	0e+00	38	Protein - Polodepierer@hapediateednaettipteedpau(@lplA-)gy (CMA)
	12	4.74	0e+00	162	Plant spe@lfansispedifig signatitepatPlagenpatecogeiointeraction
l n	13	4.24	0e+00	49	Transcriptioanfactipition NAC
duc	14	3.9	4e-05	38	Protein - Rhateinn-rolladhated rendiadeth sin docytosis
ect	15	3.88	8e-05	45	Galactose Galatatos ès metabolism
ch	16	3.57	4e-04	153	Plant-pathlaget-pathagetiointeraction
CE	17	3.32	1e-03	116	RibosomeRitionsenessisiegenessisiS Particles
эхе	18	3.1	2e-03	35	Mitophag Witauphragy factors
i n	19	2.87	5e-03	86	Signal traßsphadtioansoCoaltoorm-sQatailing signhaviang pathway
	20	2.72	8e-03	39	Enzyme -Ethz2ynAvetingt. 2n Alloteinagloberhylobe add etknyrder opurposo figuroops of donors
	-	expressed	4		
001	1	-7.83	0e+00	80	Cytoskele@nosikeletotubulleisrotubules
nte	2	-7.82	0e+00	18	Energy militaringlysmetal Bubbsos yn Placisios symillarins as proteins
i n	3	-7.56	0e+00	18	Photosyn (Phessiss-yrathhesis-a-paroteims)
duc	4	-7.33	0e+00	47	Transport@raratatoter-datatosport@raratportoalerideron carriers
	5	-7.28	0e+00	217	Cell motilithell finetjulgation englalation cythoskelleton
f pl	ŏ	-6.39	0e+00	78	Energy metatroglysmetalbhitsosynthesis
duc	7	-6.24	0e+00	38	Photosyn tPlessis synthesis
	8	-6.24	0e+00	219	Cell growtDetingtroutertithandOutellathicleCell cycle
atι	9	-5.44	0e+00	10	Photosyn Pheceios symutheis is Photeios ys Pelmoto (\$9750@nchl (\$7676) by thato rophyll a)
	10	-5.12	0e+00	24	Replication provide in a provide in the provide in
рс	11	-4.32	0e+00	36	DNA replication
, bı	12	-4.24	0e+00	40	Transport Tspisteport Stylsyteakoid Titaytjektorig peattheviang pathway
	13	-4.22	0e+00	11	Transcription factipition factors - GRF
	14	-4.1	0e+00	41	Replication
ele	15	-4.02	0e+00	34	PeptidaseReantidasteisbitanns in Infairtrihs S1Ramily S10
tra	16	-3.83	8e-05	129	Enzyme -E8x2yn@eyeo3s@la@eyecosylases
ntc	17	-3.79	1e-04	39	Pentose afterhydraeuandagleuinternoarteventeinoanversions
rat	18	-3.46	8e-04	41	Porphyrin Proeptalyoilismeetabolism
	19	-3.39	9e-04	30	Glycan bi Gslycatnelsiossymdhessisabolitsmetalsle/GslycarNde@lyadartide gradation
	20	-3.21	1e-03	26	Flavonoid Flavos yntdidelsios synthesis

