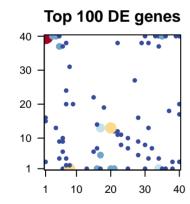
Riesl_accfreeze

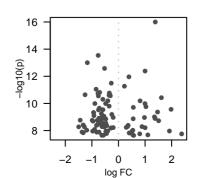
Global Summary

%DE = NA # genes with fdr < 0.2 = 1543 (785 + /758 -) # genes with fdr < 0.1 = 1140 (573 + /567 -) # genes with fdr < 0.05 = 859 (421 + /438 -) # genes with fdr < 0.01 = 571 (259 + /312 -)

<FC> = 0 <p-value> = 0.14 <fdr> = 0.67

Portrait 40 30 20 10 1 10 20 30 40





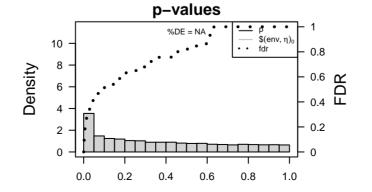
Differentially expressed genes

log(FC)

Rank

ixai	ÏD	.09(.	p-va	lue	Meta	gene	rank	002	p
Overexpressed							Overexp	ressed	
1	Vitvi13g00409	1.38	1e-16	4e-10	3 x 40	Any process that results in a change in state or activity of a ce	1	8.83	0e+00
2	Vitvi10g01886	1	4e-13	8e-09	3 x 40		2	8.64	0e+00
3	Vitvi17g00843	0.39	1e-12	3e-08	27 x 27	Catalysis of the transfer of a glycosyl group from one compou	3	7.98	0e+00
4	Vitvi14g01280	0.22	5e-12	3e-08	8 x 31	The process in which relatively unspecialized cells, e.g. embr	4	7.77	0e+00
5	Vitvi02g00666	1.61	4e-11	1e-07	39 x 40	A membrane-bounded organelle of eukaryotic cells in which	5	7.3	0e+00
6	Vitvi08g00930	0.81	6e-11	2e-07	1 x 40	The chemical reactions and pathways involving carbohydrate:	6	6.42	0e+00
7	Vitvi06g00578	1	1e-10	3e-07	35 x 40	Any process that results in a change in state or activity of a ce	7	6.15	0e+00
8	Vitvi18g00858	1.03	2e-10	3e-07	30 x 40	A membrane-bounded organelle of eukaryotic cells in which	8	5.99	0e+00
9	Vitvi09g00327	0.56	2e-10	3e-07	4 x 40	The process in which a pre-tRNA molecule is converted to a	9	5.75	0e+00
10	Vitvi17g00787	1.98	3e-10	3e-07	1 x 3	A membrane-bounded organelle of eukaryotic cells in which	10	5.04	0e+00
11	Vitvi11g00657	1.47	4e-10	7e-07	1 x 40		11	4.87	0e+00
12	Vitvi01g00064	1.35	1e-09	7e-07	35 x 40	The chemical reactions and pathways involving carbohydrate:	12	3.76	0e+00
13	Vitvi14g01805	0.98	1e-09	7e-07	33 x 40	The component of a membrane consisting of the gene produc	13	3.75	0e+00
14	Vitvi07g03081	1.38	1e-09	7e-07	1 x 40		14	3.65	2e-04
15	Vitvi00g01815	1.38	1e-09	8e-07	1 x 40		15	3.56	5e-04
16	Vitvi13g01767	0.55	1e-09	8e-07	4 x 40	The space external to the outermost structure of a cell. For ce	16	3.36	1e-03
17	Vitvi06g00579	1.51	2e-09	1e-06	1 x 40		17	3.12	3e-03
18	Vitvi03g00200	0.36	4e-09	3e-06	6 x 37	Catalysis of the transfer of an acyl group to an oxygen atom c	18	3.06	3e-03
19	Vitvi15g01672	0.34	5e-09	3e-06	5 x 37		19	2.93	4e-03
20	Vitvi08g01497	0.89	5e-09	3e-06	1 x 40	The contents of a cell excluding the plasma membrane and n	20	2.75	7e-03
Unde	erexpressed						Underex	pressed	
1	Vitvi10g00590	-0.76	3e-14	9e-10	16 x 14		1	-5.3	0e+00
ż	Vitvi03g01571	-1.17	1e-13	2e-09	21 x 12	Binding to a calcium ion (Ca2+).	ż	-3.9	0e+00
3	Vitvi02g01424	-0.52	3e-13	2e-09	23 x 8		3	-3.7	2e-04
4	Vitvi14g01310	-0.27	3e-12	3e-08	7 x 24	Binding to a protein.	4	-3.51	5e-04
5 6	Vitvi02g01621	-0.84	9e-12	3e-08	6 x 6	Catalysis of a biochemical reaction at physiological temperatu	5	-3.28	2e-03
6	Vitvi06g00379	-0.71	2e-11	3e-08	25 x 1	Binding to a protein.	6	-3.27	2e-03
7	Vitvi02g00208	-0.35	2e-11	3e-08	31 x 13	Binding to a metal ion.	7	-3.26	2e-03
8	Vitvi01g02263	-0.77	2e-11	3e-08	40 x 20	Catalysis of the transfer of a methyl group to the oxygen atom	8	-3.05	3e-03
9	Vitvi10g01794	-0.33	2e-11	3e-08	16 x 7	A membrane-bounded organelle of eukaryotic cells in which	9	-2.93	4e-03
10	Vitvi19g01940	-1.26	2e-11	3e-08	34 x 1		10	-2.88	5e-03
11	Vitvi15g01469	-0.35	3e-11	3e-08	28 x 9		11	-2.86	5e-03
12	Vitvi13g01237	-0.31	3e-11	3e-08	17 x 5	Diadian to a share and a state of a state of the third to	12	-2.85	5e-03
13	Vitvi10g00178	-0.76	3e-11	1e-07	17 x 13	Binding to a chaperone protein, a class of proteins that bind to	13	-2.84	5e-03
14	Vitvi05g02086 Vitvi07g01947	-0.59 -0.4	5e-11	1e-07	17 x 5 32 x 7	A comjeutonomous, self-replicating organelle that occurs in ve	14	-2.84	6e-03
15 16	Vitvi18g00191	-0.4 -0.89	6e-11 1e-10	1e-07 2e-07	32 x 7 22 x 11	A semiautonomous, self replicating organelle that occurs in va Catalysis of an oxidation–reduction (redox) reaction in which a	15 16	-2.8 -2.76	6e-03 7e-03
17	Vitvi12g02046	-0.48	1e-10 1e-10	2e-07 2e-07	38 x 3	Catalysis of an oxidation–reduction (redox) reaction in which catalysis of an oxidation–reduction (redox) reaction, a reversi	17	-2.76 -2.72	7e-03 8e-03
18	Vitvi09g00723	-0.35	2e-10	3e-07	28 x 5		18	-2.66	9e-03
19	Vitvi02g00466	-0.72	2e-10	3e-07	8 x 2	A lipid bilayer along with all the proteins and protein complexe	19	-2.64	9e-03
20	Vitvi16g01884	-0.58	3e-10	3e-07	31 x 4	Binding to a protein.	20	-2.63	1e-02

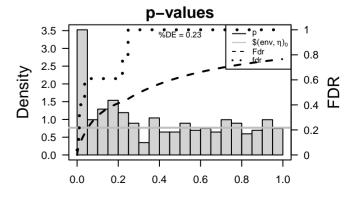
Description



Differentially expressed gene sets

Rank GSZ p-val	ue #all Geneset
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			•		
	Overex	pressed			
a Ct	1	8.83	0e+00	18	Photosyn@Pleasiosynathlessisa-paroteimsa proteins
	ż	8.64	0e+00	18	Energy m ētabroji sme tal bbistos yn Plassio saym tibras āsparo teims a proteins
oou	3	7.98	0e+00	47	Transport@racestatoter-Catelloport@etecsportcelerideron carriers
br	4	7.77	0e+00	80	Cytoskele@ntosil\dietotubul\disrotubules
ch	5	7.3	0e+00	206	Cell growthetingtrouteththan-chatalautrall-Cell wall
ate:	6	6.42	0e+00	64	Transcription factors (atterstran@thrightionnfaction factors
a Ct	7	6.15	0e+00	217	Cell motilitiell inetilitation education valos seite to noskeleton
ch	8	5.99	0e+00	73	Transcription ARCOEREBP
a	9	5.75	0e+00	11	Transcription factions a GRIF
ch	10	5.04	0e+00	10	PeptidaseReputidaisleisisboots in Hibitoits A 1F. apreitysi A farpritysin family
	11	4.87	0e+00	10	Photosynthesissynutteisis Phuteinsys Rehodo(\$750@noth)(\$770@bythayrophyll a
ate:	12	3.76	0e+00	113	Exosome Ex Exosoma Exosoma Information and incommental ediancer cells
duc	13	3.75	0e+00	140	Hormonel-siognating siofrital/iteme Sitting signaling
uut	14	3.65	2e-04	38	Photosynthesis
	15	3.56	5e-04	66	Exosome Exosomera Epocateina lou folkeitule o Calaculul eretlancer cells
r CE		3.36		219	Cell growthedingtodeththandhaddadhicleCell cycle
CE	16		1e-03		Transport Transtation + Stylettakoid Titaytaktoid parthentiang pathway
	17	3.12	3e-03	40	
n c	18	3.06	3e-03	78	Glycosyltr@hysfesylteensternal@trollystarcathputlyteaccharide
	19	2.93	4e-03	238	Enzyme -E2/zlyn@dys@syllt@inysfesgislessnsferases
d n	20	2.75	7e-03	21	Thiamine Thiatatioësm etabolism
	Undere	xpressed	d		
	1	-5.3	0e+00	45	Galactos@aalatatbseesmetabolism
	2	-3.9	0e+00	92	Lipid met alipoidismetaGolyisenolip@dyroentalipoidism etabolism
	2 3 4 5 6 7	-3.7	2e-04	44	Energy mētæbrgljsmetalsidtisgen inlietalgelismetabolism
	4	-3.51	5e-04	28	TranscriptToanfactipttson Bassiorsleviclasizipanein(bZliP)per (bZlP)
atι	5	-3.28	2e-03	45	Valine leukratien en the Luision le aucid eisobbegurain the tiden gradation
	6	-3.27	2e-03	79	Transporterarestatorger-decisions -cartoarders cart 30 to 64
		-3.26	2e-03	77	Carbohyd Cateborte, talbat të sime ta Gallisiotos Galletatos të sime ta bolism
om	8	-3.05	3e-03	42	Tryptopha Tryptdpbalism etabolism
ch	9_	-2.93	4e-03	77	Pores ion Robrassriels (TiGat)els [TC:1]
	10	-2.88	5e-03	68	Amino aci AhniretatabcitismetaAbtirisme-aAbbaispeaatateaspetabatisme tabolism
	11	-2.86	5e-03	11	Lipid metalipoidismetal@allsr8ter@allhaStranoniel Innoetrabolism
	12	-2.85	5e-03	25	Lysine delgysithetidegradation
d tı	13	-2.84	5e-03	41	Cofactors Confdictions rain drieital broilism et al Bioblish favir Ribert Albroilism et abolism
	14	-2.84	6e-03	56	Glycine s@fyncinænddthræoaindethretationesmetabolism
) Vi	15	-2.8	6e-03	43	Transcription factions & ElP
ch:	16	-2.76	7e-03	26	PantotherPatetethteCatA biros/OdAesissynthesis
ersi	17	-2.72	8e-03	51	Biosynthe Biosynthesia dafra eroetadari jameta Bokismbio Ayuntine Biosynthesia



Vitamin Bigitanetian bigitametabolism