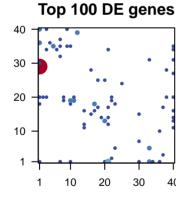
## CabFra\_accfreeze

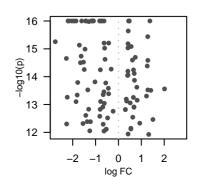
## **Global Summary**

%DE = NA # genes with fdr < 0.2 = 7406 (3868 + /3538 -)# genes with fdr < 0.1 = 4759 (2482 + /2277 -)# genes with fdr < 0.05 = 3121 (1624 + /1497 -) # genes with fdr < 0.01 = 1680 (843 + /837 -)

<FC> = 0< p-value > = 0.04< fdr > = 0.4

## **Portrait** 40 30 20 10 10 20 30





## Differentially expressed genes

fdr

Description

log(FC)

Rank

itai	ID .	log(i	p-va	lue	Meta	gene	IVALIK	002	p value	#all	Geneset		
Overexpressed						3	Overexpressed						
1	Vitvi14g00111	0.44	1e-16	4e-14	21 v 17	The irregular network of unit membranes, visible only by elect	1	6.8	0.000	73	Transcriptionarisactipation ARCOEREBP2 EREBP		
2	Vitvi15g00935		1e-16	4e-14		The component of a membrane consisting of the gene produc	2	6.29	0.000	140	Hormonelskigmating signthlijtene Sithnating signaling		
3	Vitvi18g02550		1e-16	4e-14		The component of a membrane consisting of the gene produc	3	5.21	0.000	49	Transcriptionniscription NAC		
4	Vitvi19g02336					The component of a membrane consisting of the gene produc	3 4				Transcription/factipation (attherstran@thiption/factipation factors		
	Vitvi06q00897		1e-16	4e-14	21 x 14	Binding to GTP, guanosine triphosphate.	5	4.73	0.000	64	TranscriptToantsactipition Cattlerszf—O8heC4f—C3HC4		
5			2e-16	6e-13			•	4.64	0.000	170	·		
6 7	Vitvi01g02281		4e-16	6e-13	20 x 13	A lipid bilayer along with all the proteins and protein complexe	6	4.64	0.000	111	Hormonelstigmating sightMatinggnallBag signaling		
	Vitvi07g01087		7e-16	6e-13	14 x 12		/	4.22	0.000	48	Transcriptionantiactipation taketon WRKY		
8	Vitvi14g01671		8e-16	6e-13	6 x 34	Catalysis of the transfer of ubiquitin to a substrate protein via	8	3.98	0.000	11	Biosynthetsiesoyfnatheesischafragemetrathant/jsmetrath/BiAstoriesy/ABIAelsiessynthesis		
9	Vitvi15g00707		9e-16	6e-13	9 x 35		9	3.86	0.000	74	TranscriptToamfactipition Ga2Hi2s - C2H2		
10	Vitvi11g00275		2e-15	2e-12	3 x 34		10	3.17	0.002	128	Ubiquitin <b>sybitquit</b> in <b>syistgile</b> n Rin <b>Sgingling Rintgp Einfige</b> r type E3		
11	Vitvi06g01052	0.61	3e-15	2e-12	7 x 35	A conserved complex that contains a heterodimer of SMC pro	11	2.74	0.008	29	Carotenoi@driotesynotiolelsicsynthesis		
12	Vitvi02g01474	1.28	3e-15	2e-12	4 x 36	Catalysis of an oxidation-reduction (redox) reaction, a reversi	12	2.53	0.012	11	Zeatin bio Syatimesis synthesis		
13	Vitvi19g00581	1.26	4e-15	4e-12	3 x 40		13	2.5	0.014	80	Transport Transport Stystering Tethering factors		
14	Vitvi09g01578	0.66	6e-15	5e-12	1 x 20		14	2.49	0.015	13	PeptidaseReportidansensis interioris interioris G1F. apraippai G1 farpraigrain family		
15	Vitvi07g02497	0.41	6e-15	6e-12	7 x 32		15	2.46	0.017	29	Transcriptionniscription (albiAs - GRAS		
16	Vitvi13g00031	0.69	8e-15	6e-12	1 x 36	A membrane-bounded organelle of eukaryotic cells in which	16	2.32	0.023	26	Transcriptioanisatipition @2tolike- G2-like		
17	Vitvi18g01157	0.42	9e-15	6e-12	3 x 20	Binding to a metal ion.	17	2.28	0.025	24	Inner mar <b>hibreane</b> nambrane		
18	Vitvi14g00674		9e-15	1e-11	22 x 20	A lipid bilayer along with all the proteins and protein complexe	18	2.14	0.036	238	Enzyme -E2ztyn0elye02s4ltr@lysfessyttesnsferases		
19	Vitvi02g00073		1e-14	1e-11	18 x 17	The component of a membrane consisting of the gene produc	19	2.07	0.043	27	Enzyme -E2x6ymie:ans2e6riniganisfegjengpoistrggengsus groups		
20	Vitvi01g01986		2e-14	2e-11	7 x 37	The contents of a cell excluding the plasma membrane and n	20	1.96	0.055	51	Plant spe Elfants spredifig signia dan ding that and in the specific spredification of the specific specific spredification of the specific spredification of the specific specific spredification of the specific		
							20						
Und	Underexpressed								Underexpressed				
1	Vitvi10g01211	-1.18	1e-16	4e-14	1 x 29	Binding to ATP, adenosine 5'-triphosphate, a universally impo	1	-5.05	0e+00	211	RibosomeRibosome		
2	Vitvi00g01044	-1.43	1e-16	4e-14	1 x 29		2	-4.76	0e+00	219	Cell grow@catingfooleathandCatellathicleCell cycle		
3	Vitvi15g01767	-1.43	1e-16	4e-14	1 x 29	Any molecular function by which a gene product interacts sele	3	-4.47	0e+00	26	Flavonoid Flavos yn utiluleisios synthesis		
4	Vitvi00g01059	-0.73	1e-16	4e-14	33 x 5		4	-4.18	0e+00	78	Energy metæbrglijsmetalBbötsosyntPlecsiosynthesis		
5	Vitvi02g01823	-0.74	1e-16	4e-14	33 x 5	A membrane-bounded organelle of eukaryotic cells in which	5	-4.05	0e+00	38	Photosyn <b>tPlessis</b> synthesis		
6	Vitvi06g00202	-0.63	1e-16	4e-14	16 x 28	A chlorophyll-containing plastid with thylakoids organized into	6	-4.03	0e+00	24	ReplicationAppriotetion-phylikeinRepDotalAcroelphitianticum Fractions		
7	Vitvi08g01703	-1.13	1e-16	4e-14	1 x 29		7	-3.87	0e+00	134	Hormonelskigmating sighalingsignaling signaling		
8	Vitvi09g01181	-1.86	1e-16	4e-14	1 x 29	Binding to a protein.	8	-3.8	0e+00	247	Translatio Tran Ribiso me Ribosome		
9	Vitvi09g01812	-1.15	1e-16	4e-14	22 x 2	Binding to a protein.	9	-3.68	2e-04	144	RibosomeRib EstatamyoteEsukaryotes		
10	Vitvi12g02502	-1.09	1e-16	4e-14	1 x 29		10	-3.57	4e-04	22	Fatty acidFelthy@ediabelongation		
11	Vitvi12g00890	-1.95	1e-16	4e-14	1 x 28		11	-3.49	6e-04	97	RibosomeRib Aschaeea Archaea		
12	Vitvi13g02008	-2.04	1e-16	4e-14	40 x 35	Catalysis of the hydrolysis of internal, alpha-peptide bonds in	12	-3.48	6e-04	67	RibosomeRibBanteeia- Bacteria		
13	Vitvi15g01035	-2.21	1e-16	4e-14	21 x 1		13	-3.34	1e-03	81	Enzyme -E4:22/n0xarb4n2-o0xademnlyaxegen lyases		
14	Vitvi16g00086	-0.82	1e-16	4e-14	37 x 3	Catalysis of the transfer of a phosphate group, usually from A	14	-3.32	1e-03	47	Transport@iraceatatorte-r-datenlogo-rtl@etendspoortoetlerideron carriers		
15	Vitvi19g00154	-2.17	1e-16	4e-14	1 x 29		15	-3.27	2e-03	34	PeptidaseReputidaisleitsitaorus in Hilaitroihs S1Ramily S10		
16	Vitvi19g01581	-1.61	1e-16	4e-14	1 x 29		16	-3.26	2e-03	72	RibosomeRibb/storoleond/lite/d2bloodojala/Shloroplast		
17	Vitvi12g00195	-1.3	1e-16	6e-13	1 x 28		17	-3.24	2e-03	19	Cofactors Confections rain of meitabroitis metablolic purine (Leb brigos synthesis synthesis		
18	Vitvi16g00789	-2.76	6e-16	6e-13	1 x 29	Binding to a heme, a compound composed of iron complexed	18	-3.2	2e-03	80	Cytoskeletonoskeletotubulleisrotubules		

19

20

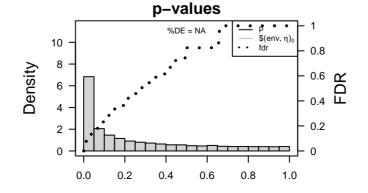
-3.02

-2.99

4e-03

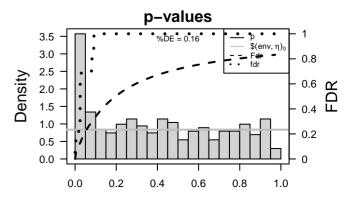
4e-03

31



Vitvi19g02014 -0.43 6e-16 6e-13 23 x 5 A membrane-bounded organelle of eukaryotic cells in which

6e-16 6e-13 1 x 28 Binding to ADP, adenosine 5'-diphosphate.



Differentially expressed gene sets

Chromos@heoarrossassenaiatealsprooteitesd-p@eeiassile@eing silencing

StilbenoidStilbenfloethtaiaoitheptagirigerodbijosyenthlesissynthesis

Rank GSZ p-value #all Geneset