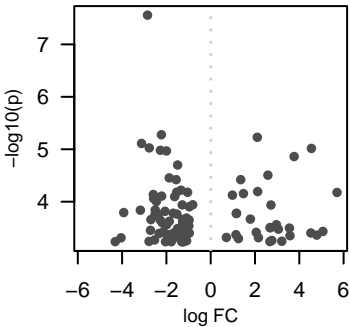
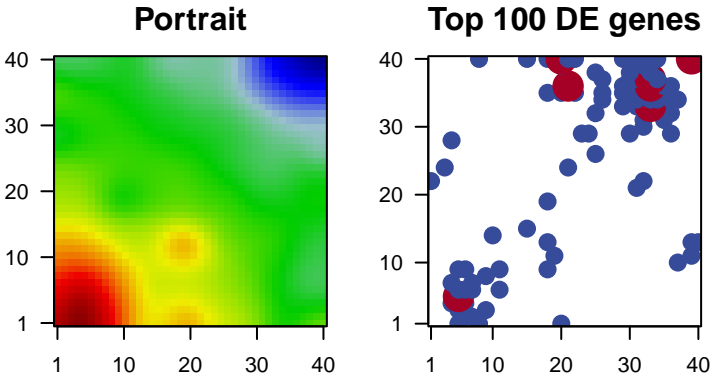


CabFra_freeze_r3

Global Summary

%DE = 0.43
genes with $\text{fdr} < 0.2$ = 1955 (886 + / 1069 -)
genes with $\text{fdr} < 0.1$ = 248 (89 + / 159 -)
genes with $\text{fdr} < 0.05$ = 23 (9 + / 14 -)
genes with $\text{fdr} < 0.01$ = 0 (0 + / 0 -)

<FC> = 0
<p-value> = 0.19
<fdr> = 0.57



Differentially expressed genes

Rank	ID	log(FC)	p-value	fdr	Description
Overexpressed					
1	Vitv09g00444	2.1	6e-06	0.02	5 x 9 Catalysis of a biochemical reaction at physiological temperat
2	Vitv19g0203E	4.55	1e-05	0.02	6 x 4
3	Vitv06g01714	3.77	1e-05	0.05	19 x 11
4	Vitv19g0204C	2.58	3e-05	0.05	11 x 6
5	Vitv04g0056E	1.36	4e-05	0.05	15 x 15
6	Vitv05g0069E	2.12	6e-05	0.05	18 x 13
7	Vitv06g01713	5.7	7e-05	0.05	5 x 1
8	Vitv02g0012E	1.48	7e-05	0.05	9 x 8 The chemical reactions and pathways involving fatty acids, ali
9	Vitv11g00303	0.98	8e-05	0.05	21 x 24 The formation of a protein dimer, a macromolecular structure
10	Vitv02g01344	2.72	1e-04	0.06	6 x 6 The component of a membrane consisting of the gene produc
11	Vitv04g0169E	1.17	2e-04	0.06	10 x 14 Enables the transfer of a GDP-mannose from one side of a n
12	Vitv08g00027	1.16	2e-04	0.06	18 x 9 The component of a membrane consisting of the gene produc
13	Vitv19g00143	1.79	2e-04	0.07	11 x 9 The component of a membrane consisting of the gene produc
14	Vitv13g02077	2.97	3e-04	0.07	8 x 1
15	Vitv18g01223	2.69	3e-04	0.07	9 x 3 The part of the cytoplasm that does not contain organelles bu
16	Vitv11g01522	2.68	3e-04	0.07	7 x 6 A lipid bilayer along with all the proteins and protein comple
17	Vitv08g0158C	3.56	3e-04	0.07	6 x 2 Catalysis of the transfer of a glycosyl group from a UDP-suga
18	Vitv06g00772	3.06	3e-04	0.07	5 x 5
19	Vitv18g00353	5.07	4e-04	0.07	5 x 6 Catalysis of a biochemical reaction at physiological temperat
20	Vitv05g00822	2.06	4e-04	0.07	6 x 9
Underexpressed					
1	Vitv14g00321	-2.85	3e-08	0.02	31 x 34 The action of a molecule that contributes to the structural inte
2	Vitv18g0186E	-2.23	5e-06	0.02	31 x 36 Catalysis of the transfer of a group, e.g. a methyl group, glyco
3	Vitv17g0080E	-3.12	8e-06	0.02	33 x 38 A membrane-bounded organelle of eukaryotic cells in which
4	Vitv06g0036C	-2.77	9e-06	0.02	32 x 39 A membrane-bounded organelle of eukaryotic cells in which
5	Vitv02g0070E	-2.27	1e-05	0.02	32 x 35 Binding to a nucleic acid.
6	Vitv01g0129E	-2	1e-05	0.03	29 x 36 Binding to DNA of a specific nucleotide composition, e.g. GC-
7	Vitv14g00337	-1.49	2e-05	0.05	40 x 13
8	Vitv06g01343	-1.87	4e-05	0.05	32 x 33 Any process that modulates the frequency, rate or extent of th
9	Vitv01g01757	-1.56	4e-05	0.05	29 x 35 The formation of a protein dimer, a macromolecular structure
10	Vitv04g0048E	-1.34	6e-05	0.05	21 x 36 The component of a membrane consisting of the gene produc
11	Vitv11g0020E	-1.54	7e-05	0.05	25 x 38
12	Vitv12g0042E	-1.04	7e-05	0.05	32 x 22 A semiautonomous, self replicating organelle that occurs in vi
13	Vitv07g0224E	-2.59	7e-05	0.05	33 x 34 Catalysis of the hydrolysis of various bonds, e.g. C-O, C-N, C
14	Vitv14g0002C	-2.21	8e-05	0.05	30 x 40
15	Vitv05g0083E	-1.63	8e-05	0.06	31 x 21 A membrane-bounded organelle of eukaryotic cells in which
16	Vitv09g01471	-2.57	9e-05	0.06	32 x 36
17	Vitv07g0071E	-2.45	1e-04	0.06	34 x 37 Binding to ATP, adenosine 5'-triphosphate, a universally impc
18	Vitv03g00287	-0.81	1e-04	0.06	24 x 29 Binding to a metal ion.
19	Vitv17g00957	-1.28	1e-04	0.06	18 x 35 Catalysis of the transfer of a group, e.g. a methyl group, glyco
20	Vitv18g00641	-0.97	1e-04	0.06	4 x 28 The contents of a cell excluding the plasma membrane and n

Differentially expressed gene sets

Rank	GSZ	p-value	#all	Geneset
Overexpressed				
1	6.46	0e+00	45	Galactose metabolism
2	5.24	0e+00	48	Transcription factor WRKY - WRKY
3	4.81	0e+00	49	Transcription factor NAC - NAC
4	3.97	4e-05	162	Plant signaling pathway
5	3.84	8e-05	77	Carbohydrate metabolism
6	3.7	1e-04	88	Electrochemical potential
7	3.66	3e-04	58	Other amino acid metabolism
8	3.4	9e-04	77	Pores ion channels
9	3.39	9e-04	51	Biosynthesis of amino acids
10	3.32	1e-03	42	Tryptophan metabolism
11	3.24	1e-03	45	Valine metabolism
12	3.13	2e-03	12	Enzyme class - Class I
13	3.09	2e-03	80	Transport system
14	3.07	2e-03	24	Tropine alkaloid metabolism
15	3.01	3e-03	39	beta-Alanine metabolism
16	2.87	5e-03	27	Enzyme class - Class I
17	2.84	5e-03	33	alpha-Linolenic acid metabolism
18	2.84	5e-03	34	Tyrosine metabolism
19	2.83	6e-03	33	Carbohydrate metabolism
20	2.82	6e-03	29	Other amino acid metabolism
Underexpressed				
1	-10.04	0	18	Energy metabolism
2	-9.95	0	18	Photosynthesis - proteins
3	-8.93	0	47	Transport carrier
4	-8.76	0	38	Photosynthesis
5	-8.24	0	78	Energy metabolism
6	-8.09	0	80	Cytoskeleton
7	-7.42	0	217	Cell motility
8	-7.1	0	211	Ribosome
9	-7.09	0	10	Photosynthesis
10	-6.58	0	247	Translation
11	-6.33	0	206	Cell growth and division
12	-5.5	0	144	Ribosome
13	-5.15	0	40	Transport system
14	-5.08	0	97	Ribosome
15	-4.92	0	113	Exosome
16	-4.74	0	134	Hormone signaling
17	-4.57	0	67	Ribosome
18	-4.56	0	41	Porphyryr metabolism
19	-4.54	0	11	Transcription factor
20	-4.51	0	219	Cell growth and division

