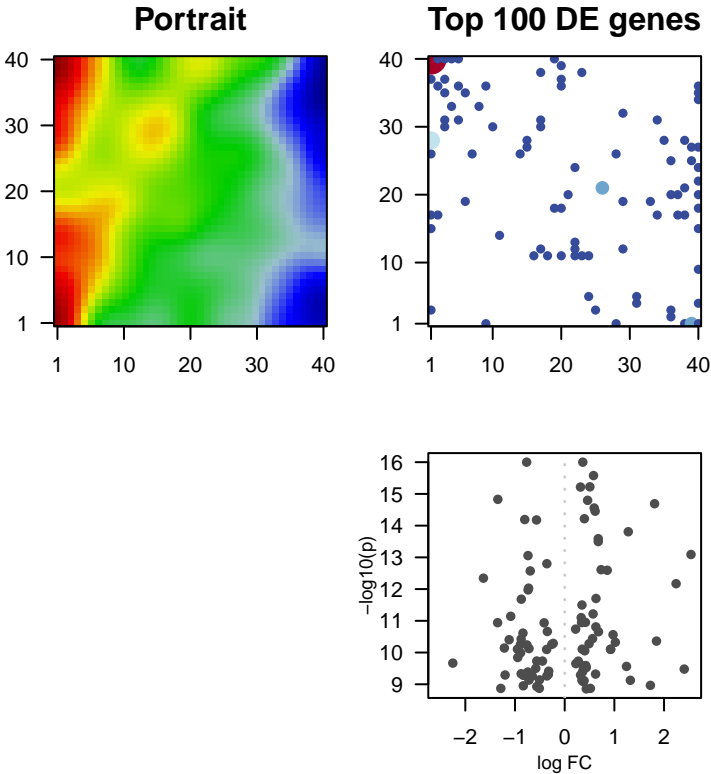


Tocai\_accfreeze

Global Summary

%DE = NA  
# genes with fdr < 0.2 = 1645 ( 944 + / 701 -)  
# genes with fdr < 0.1 = 1085 ( 610 + / 475 -)  
# genes with fdr < 0.05 = 754 ( 416 + / 338 -)  
# genes with fdr < 0.01 = 517 ( 271 + / 246 -)

<FC> = 0  
<p-value> = 0.13  
<fdr> = 0.54



Differentially expressed genes

Rank	ID	log(FC)	fdr	Description		
		p-value		Metagene		
Overexpressed						
1	Vitv12g0199E	0.36	1e-16	2e-12	5 x 31	A membrane-bounded organelle of eukaryotic cells in which
2	Vitv15g0163E	0.58	3e-16	2e-12	3 x 30	
3	Vitv09g0043C	0.51	6e-16	2e-12	17 x 31	Binding to a protein.
4	Vitv02g0045E	0.32	6e-16	5e-12	7 x 26	
5	Vitv07g0121I	0.46	2e-15	5e-12	15 x 28	
6	Vitv11g0126E	1.81	2e-15	7e-12	1 x 40	The chemical reactions and pathways involving carbohydrate:
7	Vitv07g0068E	0.59	3e-15	7e-12	6 x 35	
8	Vitv18g0102E	0.61	4e-15	1e-11	3 x 37	Binding to a protein.
9	Vitv14g0163E	0.4	6e-15	1e-11	20 x 18	Binding to a metal ion.
10	Vitv02g0072I	1.28	2e-14	8e-11	1 x 37	The chemical reactions and pathways involving carbohydrate:
11	Vitv07g0280C	0.68	3e-14	8e-11	26 x 21	
12	Vitv00g01897	0.68	3e-14	3e-10	26 x 21	
13	Vitv17g00787	2.54	8e-14	3e-10	1 x 3	A membrane-bounded organelle of eukaryotic cells in which
14	Vitv17g0122I	0.73	2e-13	4e-10	19 x 40	Catalysis of the reaction: UDP-glucose + D-fructose = UDP
15	Vitv18g0017I	0.86	3e-13	4e-10	1 x 40	The directed movement of proteins in a cell, including the mo
16	Vitv17g0138C	2.24	7e-13	2e-09	1 x 28	The contents of a cell excluding the plasma membrane and n
17	Vitv07g0197E	0.63	2e-12	5e-09	23 x 38	The component of a membrane consisting of the gene produc
18	Vitv13g01234	0.35	3e-12	1e-08	11 x 14	The component of a membrane consisting of the gene produc
19	Vitv01g00824	0.57	6e-12	1e-08	20 x 39	Any molecular function by which a gene product interacts sel
20	Vitv01g0170C	0.33	8e-12	1e-08	21 x 20	Binding to nicotinamide-adenine dinucleotide phosphate, a c
Underexpressed						
1	Vitv14g0062C	-0.77	1e-16	2e-12	31 x 5	A membrane-bounded organelle of eukaryotic cells in which
2	Vitv16g0050I	-1.35	1e-15	5e-12	40 x 35	The component of a membrane consisting of the gene produc
3	Vitv15g0162I	-0.8	6e-15	1e-11	38 x 21	Any molecular function by which a gene product interacts sel
4	Vitv15g00504	-0.57	7e-15	8e-11	18 x 11	Enables the synthesis of ATP from ADP and phosphate by th
5	Vitv01g0194E	-0.74	9e-14	4e-10	36 x 2	The formation of a protein dimer, a macromolecular structure
6	Vitv19g0011E	-0.36	2e-13	4e-10	37 x 17	The contents of a cell excluding the plasma membrane and n
7	Vitv09g0035E	-0.69	3e-13	2e-09	24 x 11	The part of the cytoplasm that does not contain organelles bu
8	Vitv03g0176C	-1.64	5e-13	2e-09	40 x 34	The component of a membrane consisting of the gene produc
9	Vitv04g0067C	-0.73	9e-13	2e-09	34 x 31	A lipid bilayer along with all the proteins and protein comple
10	Vitv05g0193E	-0.74	1e-12	5e-09	37 x 20	
11	Vitv11g01257	-0.87	2e-12	1e-08	39 x 1	Catalysis of the reaction: substrate + ATP + CoASH = AMP +
12	Vitv19g0038E	-1.09	7e-12	1e-08	40 x 4	Binding to a magnesium (Mg) ion.
13	Vitv10g00164	-1.35	1e-11	1e-08	38 x 28	Binding to a calcium ion (Ca2+).
14	Vitv11g0071E	-0.41	1e-11	3e-08	16 x 11	Binding to a zinc ion (Zn).
15	Vitv17g0100I	-0.35	2e-11	3e-08	29 x 32	Catalysis of the transfer of a methyl group to an acceptor mol
16	Vitv01g0199E	-0.84	2e-11	3e-08	22 x 12	
17	Vitv16g0205E	-0.88	4e-11	3e-08	40 x 22	Binding to a metal ion.
18	Vitv04g0064I	-1.12	4e-11	3e-08	40 x 18	Catalysis of the hydrolysis of internal, alpha-peptide bonds in
19	Vitv09g0135Z	-0.23	5e-11	3e-08	34 x 17	A membrane-bounded organelle of eukaryotic cells in which
20	Vitv08g0020I	-0.26	6e-11	3e-08	29 x 12	The action of a molecule that contributes to the structural inte

Differentially expressed gene sets

Rank	GSZ	p-value	#all	Geneset
Overexpressed				
1	7.34	0e+00	49	Transcription factors - NAC
2	5.88	0e+00	48	Transcription factors - WRKY
3	5.51	0e+00	140	Hormone signaling - hormone signaling
4	4.94	0e+00	73	Transcription factors - EREBP
5	4.64	0e+00	64	Transcription factors - transcription factors
6	4.18	0e+00	62	Ribosome biogenesis - ribosome particles
7	3.97	0e+00	238	Enzyme - Glyoxylate cyclase
8	3.73	2e-04	116	Ribosome biogenesis - ribosome particles
9	3.62	2e-04	170	Transcription factors - C3HC4
10	3.31	1e-03	128	Ubiquitin system - Ubiquitin system
11	3.06	3e-03	51	Plant-specific signaling - Plant-specific signaling
12	3.03	4e-03	31	Autophagy - other
13	3	4e-03	151	RNA polymerase II system
14	2.96	4e-03	11	Biosynthesis of secondary metabolites - Biosynthesis
15	2.95	4e-03	80	Transport - Transport
16	2.92	4e-03	35	Mitochondrial factors
17	2.91	5e-03	409	Enzyme - Enzyme
18	2.91	5e-03	153	Plant-pathogen interaction
19	2.91	5e-03	89	MAPK signaling pathway - plant
20	2.82	6e-03	64	Ribosome biogenesis - ribosome particles
Underexpressed				
1	-11.05	0	78	Energy metabolism - Biosynthesis
2	-10.38	0	38	Photosynthesis
3	-8.7	0	47	Transport - Transport
4	-7.96	0	211	Ribosome
5	-7.87	0	18	Energy metabolism - Biosynthesis
6	-7.78	0	247	Translation - Ribosome
7	-7.55	0	18	Photosynthesis - proteins
8	-6.79	0	26	Flavonoid biosynthesis
9	-6.32	0	10	Photosynthesis - Photosynthesis
10	-6.1	0	144	Ribosome
11	-5.6	0	40	Transport - Transport
12	-5.48	0	67	Ribosome
13	-5.43	0	97	Ribosome
14	-5.26	0	72	Ribosome
15	-5.25	0	80	Cytoskeleton - Microtubules
16	-4.38	0	217	Cell motility - Regulation of cytoskeleton
17	-4.19	0	19	Aquaporins - Aquaporins
18	-4.07	0	72	Energy metabolism - Carbon fixation
19	-3.88	0	39	Pentose phosphate cycle - Pentose phosphate cycle
20	-3.85	0	58	Carbohydrate metabolism - Carbohydrate metabolism

