

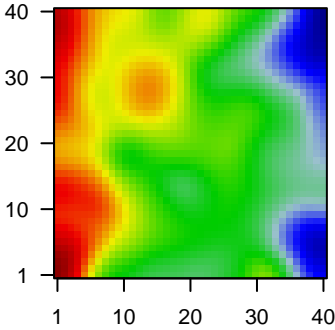
Tocai_accfreeze_r2

Global Summary

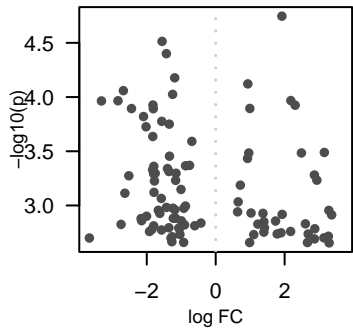
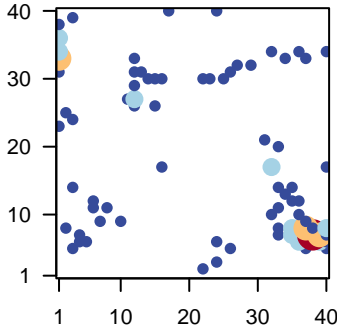
%DE = 0.24
genes with $\text{fdr} < 0.2 = 14$ (5 + / 9 -)
genes with $\text{fdr} < 0.1 = 0$ (0 + / 0 -)
genes with $\text{fdr} < 0.05 = 0$ (0 + / 0 -)
genes with $\text{fdr} < 0.01 = 0$ (0 + / 0 -)

<FC> = 0
<p-value> = 0.29
<fdr> = 0.76

Portrait



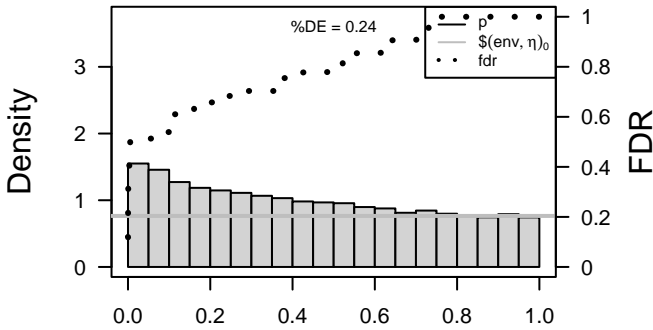
Top 100 DE genes



Differentially expressed genes

Rank	ID	log(FC)	fdr	Description	
		p-value		Metagene	
Overexpressed					
1	Vitv07g0051E	1.92	2e-05	0.1	14 x 30 Progression through the phases of the meiotic cell cycle, in w
2	Vitv110g00447	0.93	8e-05	0.1	12 x 27
3	Vitv08g01412	2.18	1e-04	0.1	1 x 33 A membrane-bound organelle of eukaryotic cells in which
4	Vitv09g0098E	2.31	1e-04	0.1	7 x 9 The component of a membrane consisting of the gene produc
5	Vitv08g02164	0.99	1e-04	0.1	12 x 29 Binding to an RNA molecule or a portion thereof.
6	Vitv119g00111	3.15	3e-04	0.3	6 x 11
7	Vitv06g0162E	2.49	3e-04	0.3	1 x 34
8	Vitv07g01872	0.96	3e-04	0.3	12 x 31 A lipid bilayer along with all the proteins and protein complex
9	Vitv06g01722	0.92	4e-04	0.3	13 x 31 Binding to a protein.
10	Vitv116g0147E	2.86	5e-04	0.3	2 x 8
11	Vitv05g0191C	2.94	6e-04	0.3	4 x 7
12	Vitv08g01417	0.72	6e-04	0.4	11 x 27 Binds to and modulates the activity of an enzyme.
13	Vitv00g0079C	0.65	9e-04	0.4	12 x 27
14	Vitv114g0180E	3.28	1e-03	0.4	3 x 14 Binding to a heme, a compound composed of iron complexed
15	Vitv06g0074E	0.64	1e-03	0.4	12 x 26 Binding to a zinc ion (Zn).
16	Vitv118g00794	1.03	1e-03	0.4	12 x 33 The part of the cytoplasm that does not contain organelles bu
17	Vitv117g0001E	1.37	1e-03	0.4	1 x 23 Binding to a nucleic acid.
18	Vitv09g00177	1.93	1e-03	0.4	15 x 26 The chemical reactions and pathways involving carbohydrate:
19	Vitv04g0079E	3.37	1e-03	0.4	5 x 6
20	Vitv04g00467	1.74	1e-03	0.4	1 x 31
Underexpressed					
1	Vitv12g02192	-1.56	3e-05	0.1	37 x 9 A lipid bilayer along with all the proteins and protein complex
2	Vitv117g01581	-1.43	4e-05	0.1	33 x 8 Any molecular function by which a gene product interacts sel
3	Vitv06g00592	-1.19	7e-05	0.1	25 x 30 A membrane-bound organelle of eukaryotic cells in which
4	Vitv07g0260E	-2.68	9e-05	0.1	38 x 7 Catalysis of a biochemical reaction at physiological temperatu
5	Vitv05g0038E	-1.25	9e-05	0.1	16 x 17
6	Vitv09g0020E	-2.84	1e-04	0.1	40 x 5 The component of a membrane consisting of the gene produc
7	Vitv15g0154E	-3.31	1e-04	0.1	36 x 34 The component of a membrane consisting of the gene produc
8	Vitv13g0171C	-1.82	1e-04	0.1	39 x 7 Binding to an RNA molecule or a portion thereof.
9	Vitv113g00254	-2.44	1e-04	0.1	37 x 33 Binding to a calcium ion (Ca2+).
10	Vitv12g0196E	-1.81	1e-04	0.2	40 x 8 Any molecular entity that serves as an electron acceptor and
11	Vitv08g00877	-2.09	2e-04	0.2	32 x 34 Catalysis of the hydrolysis of any O-glycosyl bond.
12	Vitv09g0126E	-1.56	2e-04	0.2	40 x 7
13	Vitv02g0054E	-1.35	2e-04	0.2	22 x 30 Catalysis of a biochemical reaction at physiological temperatu
14	Vitv119g0030E	-2.02	2e-04	0.3	39 x 6 The component of a membrane consisting of the gene produc
15	Vitv114g0006E	-1.83	2e-04	0.3	38 x 8 The part of the cytoplasm that does not contain organelles bu
16	Vitv05g00207	-0.69	3e-04	0.3	33 x 11 A semiautonomous, self replicating organelle that occurs in vi
17	Vitv117g0062E	-1.34	4e-04	0.3	37 x 8 The chemical reactions and pathways involving carbohydrate:
18	Vitv05g0164C	-0.76	4e-04	0.3	32 x 17 Binding to an RNA molecule or a portion thereof.
19	Vitv01g0079E	-0.87	4e-04	0.3	33 x 14 The component of a membrane consisting of the gene produc
20	Vitv09g0126C	-1.8	4e-04	0.3	27 x 32 A membrane-bound organelle of eukaryotic cells in which

p-values



Differentially expressed gene sets

Rank	GSZ	p-value	#all	Geneset
<i>Overexpressed</i>				
1	6.23	0e+00	49	Transcription factors - NAC
2	4.9	0e+00	48	Transcription factors - WRKY
3	4.86	0e+00	140	Hormone signaling - hormone signaling
4	4.59	0e+00	62	Ribosome biogenesis - ribosome particles
5	4.2	0e+00	170	Transcription factors - C2H2 - C2H2
6	4.2	0e+00	116	Ribosome biogenesis - ribosome particles
7	4.07	0e+00	73	Transcription factors - E2F2 - E2F2
8	3.93	4e-05	64	Transcription factors - C2H2 - C2H2
9	3.83	8e-05	128	Ubiquitin system - ubiquitin system
10	3.61	4e-04	151	RNA polymerase II system
11	3.58	4e-04	75	Transcription factors - E2F2 - E2F2
12	3.47	8e-04	64	Ribosome biogenesis - ribosome particles
13	3.15	2e-03	89	MAPK signaling pathway - plant
14	3.12	2e-03	28	Transcription factors - SNF2 - SNF2
15	3.02	3e-03	95	Ubiquitin system - ubiquitin system
16	2.9	4e-03	35	Mitochondrial metabolism
17	2.82	6e-03	81	Transcription factors - SNF2 - SNF2
18	2.78	6e-03	25	Biosynthesis of amino acids
19	2.75	7e-03	33	Carbohydrate metabolism
20	2.75	7e-03	110	Ubiquitin system - ubiquitin system
<i>Underexpressed</i>				
1	-12.3	0	18	Energy metabolism - photosynthesis
2	-12.08	0	18	Photosynthesis - photosynthesis
3	-11.91	0	47	Transporters - transporters
4	-11.85	0	38	Photosynthesis - photosynthesis
5	-11.77	0	78	Energy metabolism - photosynthesis
6	-8.49	0	10	Photosynthesis - photosynthesis
7	-6.66	0	26	Flavonoid biosynthesis
8	-6.24	0	40	Transporters - transporters
9	-6	0	80	Cytoskeleton - cytoskeleton
10	-5.24	0	217	Cell motility - cell motility
11	-5.18	0	67	Ribosome biogenesis - ribosome particles
12	-4.98	0	72	Energy metabolism - photosynthesis
13	-4.79	0	51	Carbon fixation - carbon fixation
14	-4.7	0	72	Ribosome biogenesis - ribosome particles
15	-4.56	0	41	Porphyryr metabolism
16	-4.56	0	34	Peptidase - peptidase
17	-4.53	0	206	Cell growth - cell growth
18	-4.48	0	211	Ribosome biogenesis - ribosome particles
19	-4.46	0	247	Transcription factors - transcription factors
20	-4.37	0	58	Carbohydrate metabolism - carbohydrate metabolism

p-values

