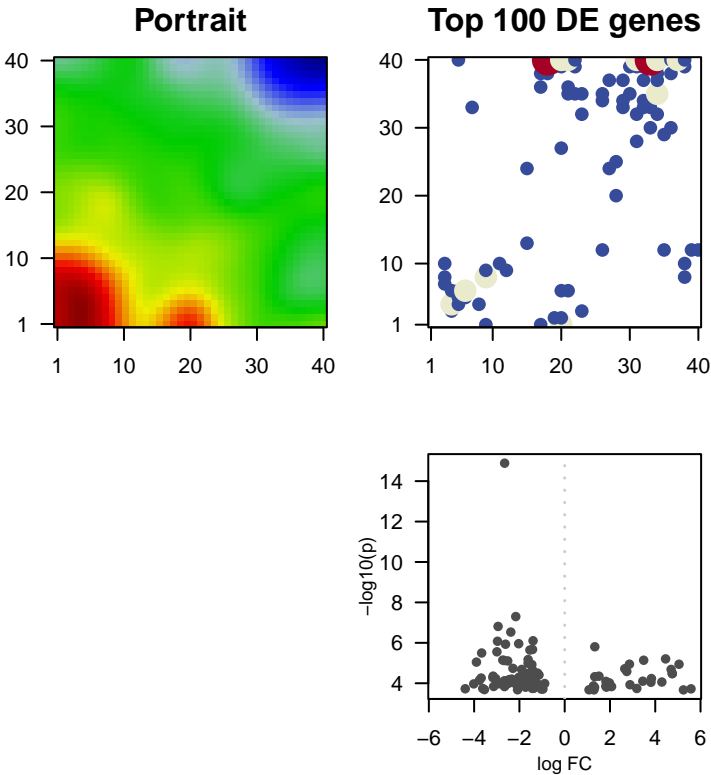


Sangio_freeze_r3

Global Summary

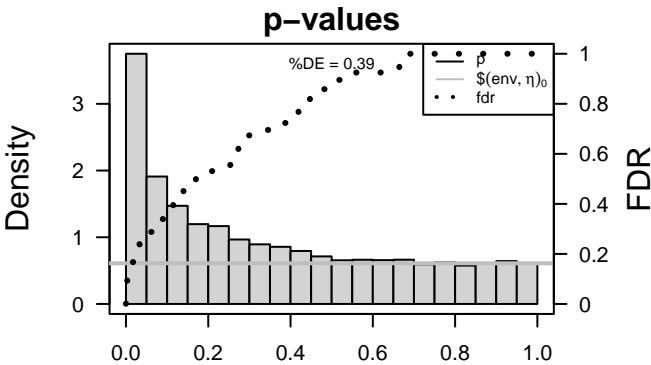
%DE = 0.39
genes with $\text{fdr} < 0.2$ = 2160 (1038 + / 1122 -)
genes with $\text{fdr} < 0.1$ = 585 (249 + / 336 -)
genes with $\text{fdr} < 0.05$ = 129 (44 + / 85 -)
genes with $\text{fdr} < 0.01$ = 23 (5 + / 18 -)

<FC> = 0
<p-value> = 0.17
<fdr> = 0.61



Differentially expressed genes

Rank	ID	log(FC)	fdr	Description		
		p-value		Metagene		
Overexpressed						
1	Vitv14g0250C	1.33	2e-06	0.004	26 x 12	A lipid bilayer along with all the proteins and protein complexes
2	Vitv10g0064C	4.46	6e-06	0.009	5 x 5	Catalysis of the hydrolysis of any ester bond.
3	Vitv10g00877	3.49	7e-06	0.009	8 x 4	
4	Vitv10g01794	2.86	1e-05	0.009	20 x 1	A membrane-bounded organelle of eukaryotic cells in which
5	Vitv02g0140E	5.05	1e-05	0.009	4 x 6	Reactions, triggered in response to the presence of a foreign
6	Vitv19g0006E	2.65	2e-05	0.021	3 x 10	Binding to ATP, adenosine 5'-triphosphate, a universally impo
7	Vitv16g01321	4.7	2e-05	0.021	6 x 5	
8	Vitv14g0200E	2.74	3e-05	0.022	23 x 3	Binding to ATP, adenosine 5'-triphosphate, a universally impo
9	Vitv00g00932	4.75	3e-05	0.022	4 x 4	
10	Vitv02g01747	4.75	3e-05	0.022	4 x 4	
11	Vitv02g0012E	1.51	4e-05	0.022	9 x 8	The chemical reactions and pathways involving fatty acids, ali
12	Vitv14g01631	1.33	5e-05	0.022	21 x 6	The component of a membrane consisting of the gene produ
13	Vitv14g0048E	3.83	6e-05	0.022	6 x 6	
14	Vitv07g01784	3.45	8e-05	0.024	3 x 7	The space external to the outermost structure of a cell. For ce
15	Vitv14g0042C	1.82	8e-05	0.024	9 x 8	
16	Vitv18g0126C	4.29	9e-05	0.024	5 x 4	
17	Vitv18g0284C	3.81	9e-05	0.024	3 x 8	
18	Vitv07g0228E	1.98	1e-04	0.024	19 x 2	The component of a membrane consisting of the gene produ
19	Vitv14g0200E	1.9	1e-04	0.035	17 x 1	
20	Vitv05g0134E	2.88	1e-04	0.035	6 x 6	The component of a membrane consisting of the gene produ
Underexpressed						
1	Vitv17g0098E	-2.65	1e-15	6e-04	20 x 39	Binding to a protein.
2	Vitv14g00314	-2.16	5e-08	1e-03	21 x 35	The component of a membrane consisting of the gene produ
3	Vitv17g00157	-2.94	2e-07	2e-03	31 x 39	Binding to a metal ion.
4	Vitv18g0075E	-2.38	3e-07	2e-03	30 x 35	
5	Vitv07g0168E	-1.4	8e-07	2e-03	27 x 24	Binding to a nucleic acid.
6	Vitv14g0185E	-2.97	8e-07	2e-03	34 x 35	Catalysis of a biochemical reaction at physiological temperat
7	Vitv11g00787	-2.03	1e-06	2e-03	28 x 25	A subcomplex of the nuclear pore complex (NPC) that forms i
8	Vitv14g02987	-2.61	1e-06	4e-03	22 x 40	The cell cycle process in which the sister chromatids of a repl
9	Vitv18g00282	-1.42	2e-06	4e-03	23 x 35	Binding to ATP, adenosine 5'-triphosphate, a universally impo
10	Vitv19g0036E	-1.54	2e-06	5e-03	20 x 27	Binding to a protein.
11	Vitv19g0046E	-2.99	3e-06	5e-03	34 x 38	The biological process whose specific outcome is the progres
12	Vitv14g0300C	-3.67	3e-06	9e-03	33 x 40	
13	Vitv19g02084	-1.61	7e-06	9e-03	20 x 40	
14	Vitv19g01737	-2.73	7e-06	9e-03	5 x 40	Binding to an RNA molecule or a portion thereof.
15	Vitv01g0083C	-2.67	8e-06	9e-03	32 x 37	A membrane-bounded organelle of eukaryotic cells in which
16	Vitv19g00137	-2.52	8e-06	9e-03	35 x 29	The process in which a pre-tRNA molecule is converted to a
17	Vitv18g0110E	-3.9	9e-06	9e-03	34 x 40	
18	Vitv13g0031E	-1.62	1e-05	9e-03	35 x 12	The process in which a methyl group is covalently attached to
19	Vitv13g01264	-1.45	1e-05	2e-02	22 x 35	The chemical reactions and pathways involving lipids, compo
20	Vitv15g0088C	-2.29	2e-05	2e-02	18 x 40	Binding to a protein.



Differentially expressed gene sets

Rank	GSZ	p-value	#all	Geneset
<i>Overexpressed</i>				
1	7.54	0e+00	48	Transcription factor - WRKY
2	6.29	0e+00	162	Plant species spreading signaling pathway
3	6.14	0e+00	45	Galactose metabolism
4	5.36	0e+00	49	Transcription factor - NAC
5	4.25	0e+00	58	Other amino acid metabolism
6	3.95	4e-05	77	Carbohydrate metabolism
7	3.85	8e-05	12	Enzyme - Class I
8	3.83	8e-05	153	Plant-pathogen interaction
9	3.77	1e-04	80	Transport system
10	3.6	4e-04	24	Tropene biosynthesis
11	3.48	7e-04	51	Biosynthesis of secondary metabolites
12	3.46	8e-04	33	alpha-Linalyl acetate metabolism
13	3.34	1e-03	18	Receptor - Others
14	3.31	1e-03	77	Pores ion channels
15	3.31	1e-03	92	Lipid metabolism
16	3.28	1e-03	17	Isoquinoline alkaloid biosynthesis
17	3.2	1e-03	33	Carbohydrate metabolism
18	3.06	2e-03	42	Tryptophan metabolism
19	3.06	2e-03	15	Stilbenoid biosynthesis
20	3.04	2e-03	34	Tyrosine metabolism
<i>Underexpressed</i>				
1	-12.57	0e+00	18	Energy metabolism
2	-11.79	0e+00	18	Photosynthesis - proteins
3	-10.8	0e+00	47	Transporter - carriers
4	-8.59	0e+00	38	Photosynthesis
5	-7.61	0e+00	78	Energy metabolism
6	-7.24	0e+00	217	Cell motility
7	-7.1	0e+00	10	Photosynthesis - proteins
8	-7.06	0e+00	80	Cytoskeleton
9	-5.94	0e+00	206	Cell growth and division
10	-5.6	0e+00	40	Transporter - pathway
11	-4.16	0e+00	41	Porphyria
12	-4.05	0e+00	10	Peptidase
13	-3.91	4e-05	219	Cell growth and division
14	-3.83	8e-05	11	Transcription factor - GRF
15	-3.75	1e-04	44	Hormone signaling
16	-3.75	1e-04	134	Hormone signaling
17	-3.72	1e-04	18	Transcription factor - ARF
18	-3.61	4e-04	19	Transcription factor - AUXIAA
19	-3.61	4e-04	19	Aquaporin
20	-3.46	8e-04	211	Ribosome

