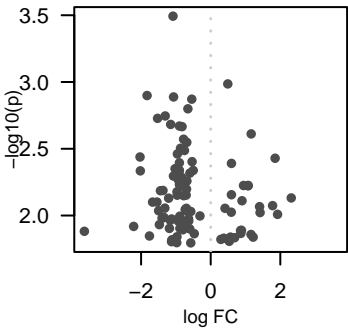
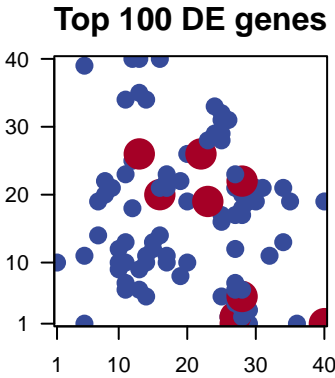
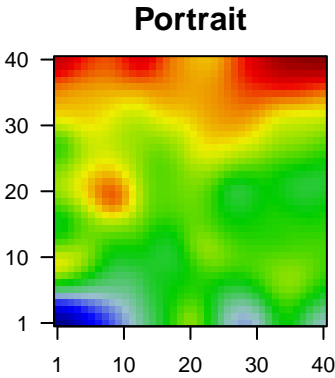


# Sangio\_acclim\_r1

## Global Summary

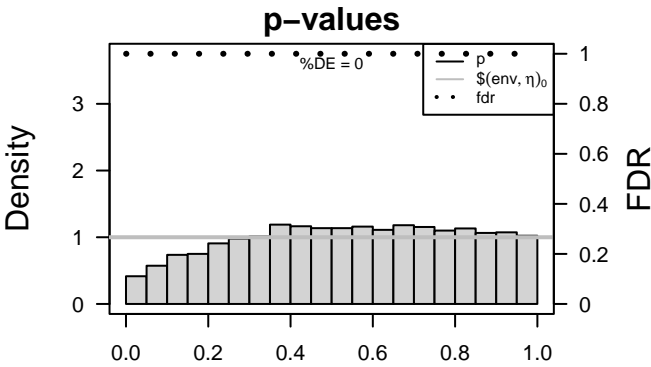
%DE = 0  
# genes with  $\text{fdr} < 0.2 = 0$  (0 + / 0 -)  
# genes with  $\text{fdr} < 0.1 = 0$  (0 + / 0 -)  
# genes with  $\text{fdr} < 0.05 = 0$  (0 + / 0 -)  
# genes with  $\text{fdr} < 0.01 = 0$  (0 + / 0 -)

<FC> = 0  
<p-value> = 0.45  
<fdr> = 1



## Differentially expressed genes

Rank	ID	log(FC)	p-value	fdr	Description
Overexpressed					
1	Vitv04g00582	0.49	0.001	1	11 x 23 Binding to a carbohydrate, which includes monosaccharides,
2	Vitv04g0015E	1.16	0.002	1	24 x 33 A membrane-bound organelle of eukaryotic cells in which
3	Vitv06g00547	1.85	0.004	1	12 x 40 Catalysis of the hydrolysis of internal, alpha-peptide bonds in
4	Vitv18g00224	0.6	0.004	1	22 x 26 Catalysis of the geometric or structural changes within one m
5	Vitv00g0073E	1.08	0.006	1	13 x 26
6	Vitv12g01971	0.94	0.006	1	22 x 26
7	Vitv07g02801	1.07	0.006	1	13 x 26
8	Vitv14g01003	0.6	0.007	1	14 x 34 The contents of a cell excluding the plasma membrane and n
9	Vitv07g0013C	2.31	0.007	1	1 x 10 Binding to a magnesium (Mg) ion.
10	Vitv02g0155E	0.9	0.008	1	26 x 31
11	Vitv15g0161E	1.78	0.008	1	13 x 40 Catalysis of the transfer of a nucleotidyl group to a reactant.
12	Vitv07g0018E	1.4	0.009	1	16 x 40 Catalysis of the hydrolysis of any ester bond.
13	Vitv03g00022	0.41	0.009	1	13 x 35 The component of a membrane consisting of the gene produc
14	Vitv18g00337	0.59	0.009	1	25 x 31 A membrane-bound organelle of eukaryotic cells in which
15	Vitv07g02647	1.42	0.010	1	5 x 11 Binding to ATP, adenosine 5'-triphosphate, a universally impc
16	Vitv15g01667	1.92	0.010	1	8 x 20 Binding to ADP, adenosine 5'-diphosphate.
17	Vitv04g0048E	0.88	0.013	1	24 x 29 A lipid bilayer along with all the proteins and protein complex
18	Vitv19g00151	0.86	0.013	1	8 x 22 The synthesis of RNA from a DNA template by RNA polymer
19	Vitv02g0050E	0.87	0.014	1	25 x 28 Any molecular function by which a gene product interacts sel
20	Vitv01g01632	1.16	0.014	1	9 x 21 Binding to a protein.
Underexpressed					
1	Vitv07g0030C	-1.08	3e-04	1	17 x 10 Catalysis of an oxidation-reduction (redox) reaction, a reversi
2	Vitv13g00687	-1.83	1e-03	1	40 x 1 Binding to an amino acid, organic acids containing one or mo
3	Vitv04g0178E	-1.07	1e-03	1	28 x 18
4	Vitv19g01752	-0.54	1e-03	1	28 x 17
5	Vitv03g0056C	-0.65	2e-03	1	16 x 20 A lipid bilayer along with all the proteins and protein complex
6	Vitv01g01443	-1.31	2e-03	1	14 x 5 The component of a membrane consisting of the gene produc
7	Vitv09g01027	-1.53	2e-03	1	7 x 19 Binding to a protein.
8	Vitv10g0188E	-1.15	2e-03	1	13 x 9
9	Vitv07g0205E	-0.9	2e-03	1	28 x 2
10	Vitv15g00692	-0.82	2e-03	1	28 x 22 Binding to a metal ion.
11	Vitv06g0056E	-0.78	3e-03	1	25 x 16 A semiautonomous, self replicating organelle that occurs in vi
12	Vitv01g00092	-0.69	3e-03	1	34 x 13 A membrane-bound organelle of eukaryotic cells in which
13	Vitv08g0192E	-0.87	3e-03	1	27 x 7 A membrane-bound organelle of eukaryotic cells in which
14	Vitv05g0004E	-0.75	3e-03	1	27 x 17 A semiautonomous, self replicating organelle that occurs in vi
15	Vitv11g00314	-0.96	3e-03	1	10 x 12 A membrane-bound organelle of eukaryotic cells in which
16	Vitv08g0182E	-2.03	4e-03	1	10 x 9 Catalysis of an oxidation-reduction (redox) reaction, a reversi
17	Vitv18g00752	-0.53	4e-03	1	17 x 22 Catalysis of the transfer of a group, e.g. a methyl group, glyco
18	Vitv09g00723	-0.9	4e-03	1	28 x 5
19	Vitv01g02022	-1.02	4e-03	1	27 x 2 Any process involved in the conversion of a primary mRNA tr
20	Vitv11g00057	-0.5	5e-03	1	19 x 22



## Differentially expressed gene sets

Rank	GSZ	p-value	#all	Geneset
Overexpressed				
1	5.22	0e+00	18	PhotosynPhotosynthesis proteins
2	5.07	0e+00	18	Energy metabolismPhotosynthesis proteins
3	5.05	0e+00	129	Enzyme metabolismPhotosynthesis proteins
4	3.89	8e-05	10	Peptidase metabolismPhotosynthesis proteins
5	3.83	8e-05	47	Transporter metabolismPhotosynthesis proteins
6	3.56	5e-04	217	Cell motilityRegulation of cytoskeleton
7	3.25	1e-03	11	Transcription factors - GRF
8	3.01	3e-03	38	Photosynthesis
9	2.97	3e-03	18	Transcription factors - ARF
10	2.96	3e-03	197	Transporter metabolismPhotosynthesis proteins
11	2.94	4e-03	101	Starch metabolismPhotosynthesis proteins
12	2.84	5e-03	31	ChromosomesPhotosynthesis proteins
13	2.83	5e-03	66	ExosomeExosome metabolismPhotosynthesis proteins
14	2.82	6e-03	10	Photosynthesis proteinsPhotosynthesis proteins
15	2.73	8e-03	13	CofactorsPhotosynthesis proteins
16	2.71	8e-03	30	Glycan metabolismPhotosynthesis proteins
17	2.69	8e-03	100	Plant specific signaling pathways
18	2.65	9e-03	32	Circadian rhythm - plant
19	2.64	9e-03	219	Cell growth and divisionCell cycle
20	2.64	9e-03	21	Thiamine metabolism
Underexpressed				
1	-6.43	0e+00	211	RibosomeRibosome
2	-6.22	0e+00	247	TranslationRibosomeRibosome
3	-6.16	0e+00	144	RibosomeRibosomeRibosome
4	-5.06	0e+00	73	Transcription factors - EREBP
5	-4.51	0e+00	49	Transcription factors - NAC
6	-4.36	0e+00	140	Hormone signaling pathways
7	-3.98	0e+00	45	Galactose metabolism
8	-3.82	1e-04	97	RibosomeRibosomeArchaea
9	-3.54	5e-04	64	Transcription factors - GTPase
10	-3.16	2e-03	58	Other amino acid metabolism
11	-3.06	2e-03	77	Cysteine metabolism
12	-3.06	2e-03	11	Biosynthesis of amino acids
13	-2.95	3e-03	44	Energy metabolismNitrogen metabolism
14	-2.8	6e-03	48	Transcription factors - WRKY
15	-2.58	1e-02	51	Other amino acid metabolism
16	-2.52	1e-02	18	ChaperoneHSP90 - HSP20
17	-2.52	1e-02	42	Tryptophan metabolism
18	-2.46	2e-02	43	Alanine metabolism
19	-2.43	2e-02	41	Arginine metabolism
20	-2.31	2e-02	26	Pantoic acid metabolism

