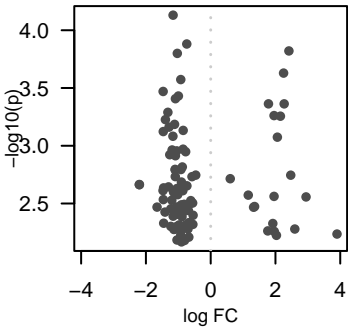
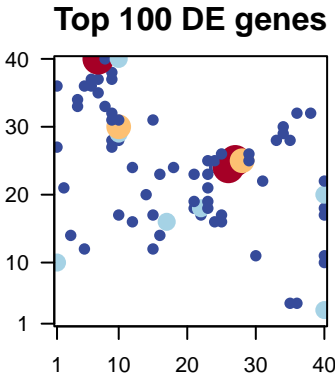
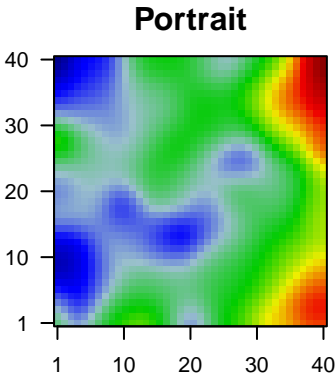


# Riesl\_warm\_r2

## Global Summary

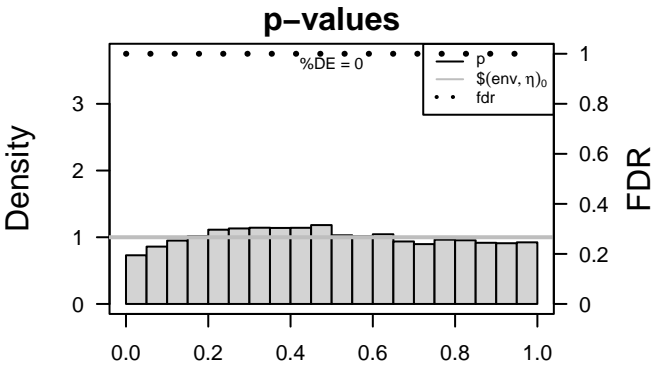
%DE = 0  
# genes with  $fdr < 0.2 = 0$  (0 + / 0 -)  
# genes with  $fdr < 0.1 = 0$  (0 + / 0 -)  
# genes with  $fdr < 0.05 = 0$  (0 + / 0 -)  
# genes with  $fdr < 0.01 = 0$  (0 + / 0 -)

<FC> = 0  
<p-value> = 0.38  
<fdr> = 1



## Differentially expressed genes

Rank	ID	log(FC)	fdr	Description	
		p-value		Metagene	
Overexpressed					
1	Vitv04g00533	2.42	2e-04	1	40 x 20 Any molecular function by which a gene product interacts sel
2	Vitv11g00033	2.25	2e-04	1	40 x 20 A membrane-bounded organelle of eukaryotic cells in which
3	Vitv19g01432	1.78	4e-04	1	40 x 11 Binding to a metal ion.
4	Vitv04g00493	2.27	4e-04	1	36 x 32 A membrane-bounded organelle of eukaryotic cells in which
5	Vitv05g00520	1.96	5e-04	1	40 x 18
6	Vitv05g01450	2.15	6e-04	1	33 x 28 Binding to a protein.
7	Vitv11g00238	2.06	8e-04	1	35 x 4 Catalysis of the hydrolysis of various bonds, e.g. C-O, C-N, C
8	Vitv16g02058	2.47	2e-03	1	40 x 22 Binding to a metal ion.
9	Vitv04g01157	0.6	2e-03	1	16 x 23 Binding to a metal ion.
10	Vitv19g01806	1.16	3e-03	1	18 x 24
11	Vitv09g00448	1.96	3e-03	1	34 x 29 Binding to a metal ion.
12	Vitv12g00368	2.94	3e-03	1	1 x 27 The component of a membrane consisting of the gene produ
13	Vitv18g01132	1.36	3e-03	1	40 x 17 The space external to the outermost structure of a cell. For co
14	Vitv14g01178	1.32	3e-03	1	34 x 30 The part of the cytoplasm that does not contain organelles bu
15	Vitv03g00318	1.92	5e-03	1	40 x 10 A membrane-bounded organelle of eukaryotic cells in which
16	Vitv01g00822	2.6	5e-03	1	40 x 3 Catalysis of the transfer of a glycosyl group from a UDP-sug
17	Vitv01g00964	1.76	5e-03	1	38 x 32 The formation of a protein dimer, a macromolecular structure
18	Vitv09g01543	1.96	6e-03	1	36 x 4
19	Vitv03g00325	3.9	6e-03	1	40 x 3 A transcription regulator activity that modulates transcription o
20	Vitv03g00442	2.03	6e-03	1	35 x 28
Underexpressed					
1	Vitv06g000651	-1.16	7e-05	1	26 x 24 The action of a molecule that contributes to the structural inte
2	Vitv19g00696	-0.74	1e-04	1	15 x 17 A lipid bilayer along with all the proteins and protein complex
3	Vitv08g02415	-1.03	2e-04	1	25 x 26
4	Vitv08g01508	-0.92	3e-04	1	27 x 25 The action of a molecule that contributes to the structural inte
5	Vitv12g00706	-1.47	3e-04	1	26 x 24 The import of proteins across the outer and inner mitochondr
6	Vitv12g01963	-1	4e-04	1	22 x 18 The conversion of a cytosine residue to uridine in an RNA mc
7	Vitv08g01212	-1.09	4e-04	1	26 x 25 A small, dense body one or more of which are present in the m
8	Vitv19g00485	-1.32	5e-04	1	10 x 28
9	Vitv13g000354	-1.4	6e-04	1	29 x 25 A semiautonomous, self replicating organelle that occurs in v
10	Vitv12g00683	-1.12	7e-04	1	26 x 24 Binding to ATP, adenosine 5'-triphosphate, a universally impo
11	Vitv07g00226	-1.29	7e-04	1	8 x 40 A small, dense body one or more of which are present in the m
12	Vitv13g02518	-0.85	7e-04	1	22 x 18 The component of a membrane consisting of the gene produ
13	Vitv07g00581	-1.46	8e-04	1	10 x 30 Binding to a protein.
14	Vitv12g00478	-1.17	8e-04	1	23 x 25 Binding to a protein.
15	Vitv05g00063	-0.85	1e-03	1	25 x 17 A small, dense body one or more of which are present in the m
16	Vitv08g01955	-1.19	1e-03	1	6 x 37 Binding to a calcium ion (Ca2+).
17	Vitv07g00315	-1.05	1e-03	1	12 x 16 Binding to a metal ion.
18	Vitv09g00157	-0.77	1e-03	1	25 x 16 Any molecular function by which a gene product interacts sel
19	Vitv01g01023	-1.26	1e-03	1	6 x 36 The contents of a cell excluding the plasma membrane and n
20	Vitv19g00128	-1.09	1e-03	1	28 x 25 A semiautonomous, self replicating organelle that occurs in v



## Differentially expressed gene sets

Rank	GSZ	p-value	#all	Geneset
Overexpressed				
1	8.76	0e+00	206	Cell growth and cell wall
2	6.84	0e+00	47	Transporter
3	6.66	0e+00	134	Hormone signaling
4	6.52	0e+00	18	Energy metabolism
5	6.32	0e+00	18	Photosynthesis
6	6.3	0e+00	80	Cytoskeleton
7	6.21	0e+00	38	Photosynthesis
8	5.89	0e+00	78	Energy metabolism
9	5.58	0e+00	217	Cell motility
10	5.58	0e+00	39	Pentose phosphate cycle
11	5.56	0e+00	19	Transcription
12	5.19	0e+00	19	Aquaporin
13	5.14	0e+00	34	Peptidase
14	5.07	0e+00	73	Transcription
15	4.59	0e+00	168	Plant hormone
16	4.58	0e+00	93	Transcription
17	4.45	0e+00	78	Glycosylation
18	4.27	0e+00	10	Photosynthesis
19	3.78	1e-04	140	Hormone signaling
20	3.67	3e-04	40	Transport
Underexpressed				
1	-6.47	0e+00	116	Ribosome
2	-6.28	0e+00	62	Ribosome
3	-6.22	0e+00	64	Ribosome
4	-5.54	0e+00	75	Translation
5	-4.36	0e+00	24	Primary active transporters
6	-3.96	4e-05	165	Transcription
7	-3.89	4e-05	126	Translation
8	-3.64	3e-04	247	Translation
9	-3.6	4e-04	67	Replication
10	-3.56	5e-04	75	Mitochondrion
11	-3.46	8e-04	33	Glycan biosynthesis
12	-3.45	8e-04	151	RNA polymerase II system
13	-3.42	9e-04	44	Proteasome
14	-3.34	1e-03	144	Ribosome
15	-3.32	1e-03	40	N-Glycan biosynthesis
16	-3.27	1e-03	27	Enzyme
17	-3.26	1e-03	139	Spliceosome
18	-3.25	1e-03	83	RNA degradation
19	-3.19	2e-03	43	Mitochondrion
20	-3.19	2e-03	42	Folding

