

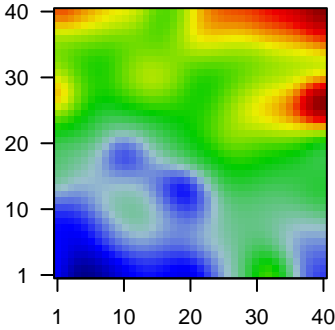
Riesl_accfreeze_r3

Global Summary

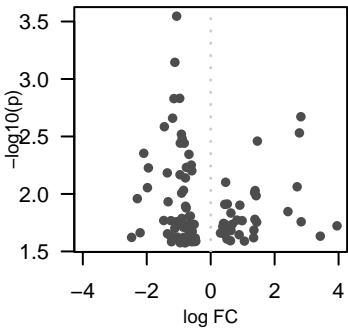
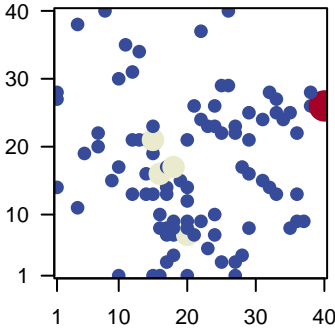
%DE = 0
genes with fdr < 0.2 = 0 (0 + / 0 -)
genes with fdr < 0.1 = 0 (0 + / 0 -)
genes with fdr < 0.05 = 0 (0 + / 0 -)
genes with fdr < 0.01 = 0 (0 + / 0 -)

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

Portrait



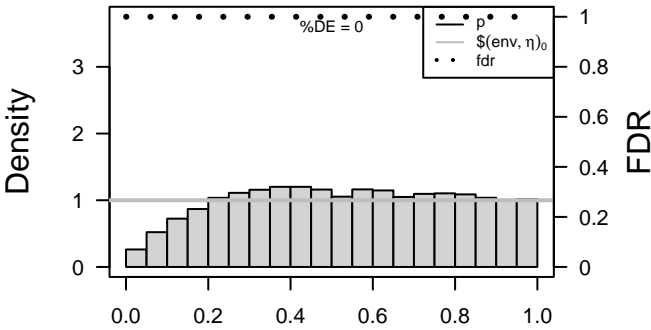
Top 100 DE genes



Differentially expressed genes

Rank	ID	log(FC)	fdr	Description
		p-value		Metagene
Overexpressed				
1	Vitv12g0223E	2.82	0.002	1 x 27
2	Vitv16g01291	2.78	0.003	38 x 26 Catalysis of the transfer of an acyl group to an oxygen atom c
3	Vitv17g00374	1.46	0.003	33 x 27 A transcription regulator activity that modulates transcription c
4	Vitv17g00032	0.47	0.008	1 x 22 Binding to an RNA molecule or a portion thereof.
5	Vitv13g0041C	2.7	0.009	1 x 28 Any process that results in a change in state or activity of a c
6	Vitv18g0072E	1.39	0.009	4 x 38 A membrane-bounded organelle of eukaryotic cells in which
7	Vitv14g01507	1.37	0.010	36 x 22 A membrane-bounded organelle of eukaryotic cells in which
8	Vitv12g0244E	1.42	0.010	32 x 28 Catalysis of the transfer of a group, e.g. a methyl group, glyco
9	Vitv19g0024E	0.52	0.012	27 x 23 A small, dense body one or more of which are present in the i
10	Vitv18g0078C	0.44	0.012	22 x 24 A membrane-bounded organelle of eukaryotic cells in which
11	Vitv18g0049E	0.91	0.013	29 x 16 The progression of biochemical and morphological phases ar
12	Vitv10g0138E	2.42	0.014	40 x 26
13	Vitv12g02297	0.63	0.015	10 x 30 Binding to a nucleic acid.
14	Vitv10g0067E	1.38	0.017	35 x 25 Binding to a metal ion.
15	Vitv05g01057	0.82	0.017	31 x 24 The action of a molecule that contributes to the structural inte
16	Vitv06g0024C	0.98	0.017	8 x 40 Binding to ATP, adenosine 5'-triphosphate, a universally impc
17	Vitv12g0024E	2.83	0.017	38 x 28 The membrane surrounding a cell that separates the cell from
18	Vitv10g0157E	1.44	0.018	22 x 37 The chemical reactions and pathways involving carbohydrate:
19	Vitv17g0033E	0.4	0.018	25 x 29 Binding to a protein.
20	Vitv15g01351	0.44	0.018	24 x 23 The action of a molecule that contributes to the structural inte
Underexpressed				
1	Vitv09g0159C	-1.06	3e-04	12 x 21 Binding to ADP, adenosine 5'-diphosphate.
2	Vitv19g0003E	-1.12	7e-04	23 x 5 The component of a membrane consisting of the gene produ
3	Vitv02g00527	-0.97	1e-03	15 x 13 The component of a membrane consisting of the gene produ
4	Vitv03g00602	-1.15	1e-03	22 x 9 Binding to a zinc ion (Zn).
5	Vitv18g00342	-1.19	2e-03	36 x 13 A lipid bilayer along with all the proteins and protein comple
6	Vitv08g01001	-1.45	3e-03	17 x 13 Catalysis of the transfer of a glycosyl group from a UDP-sug:
7	Vitv02g01232	-0.92	3e-03	20 x 21 Catalysis of the reaction: (1,4-alpha-D-glucosyl)(n+1) + H2C
8	Vitv17g0007C	-0.89	3e-03	13 x 21 Binding to an RNA molecule or a portion thereof.
9	Vitv00g0093E	-0.95	4e-03	17 x 8
10	Vitv07g02534	-0.83	4e-03	9 x 15
11	Vitv13g0189C	-2.09	4e-03	4 x 11 Binding to ADP, adenosine 5'-diphosphate.
12	Vitv01g00301	-0.68	5e-03	21 x 7
13	Vitv16g0017C	-0.61	6e-03	15 x 23 A membrane-bounded organelle of eukaryotic cells in which
14	Vitv01g0140E	-0.76	6e-03	18 x 8 Binding to a metal ion.
15	Vitv17g0149C	-1.95	6e-03	1 x 14
16	Vitv13g0024E	-0.59	6e-03	15 x 20 Catalysis of the hydrolysis of phosphoric monoesters, releasir
17	Vitv13g0226E	-1.36	7e-03	16 x 10
18	Vitv08g00904	-0.96	7e-03	10 x 17 The component of a membrane consisting of the gene produ
19	Vitv15g01147	-0.79	7e-03	14 x 16 The component of a membrane consisting of the gene produ
20	Vitv19g00064	-1.98	9e-03	19 x 15 Binding to ADP, adenosine 5'-diphosphate.

p-values



Differentially expressed gene sets

Rank	GSZ	p-value	#all	Geneset
Overexpressed				
1	10.74	0e+00	80	CytoskeletonMicrotubuleMicrotubules
2	10.25	0e+00	219	Cell growthCell growth and divisionCell cycle
3	9	0e+00	217	Cell motilityCell motilityCell motilityCell motility
4	7.39	0e+00	144	RibosomeRibosomeRibosomeRibosome
5	6.98	0e+00	24	ReplicationReplicationDNA ReplicationDNA Replication
6	6.69	0e+00	211	RibosomeRibosome
7	6.16	0e+00	247	TranslationTranslationRibosomeRibosome
8	5.62	0e+00	36	DNA replicationDNA replication
9	5.57	0e+00	44	ReplicationReplicationDNA ReplicationDNA Replication
10	5.51	0e+00	41	ReplicationReplicationDNA ReplicationDNA Replication
11	5.49	0e+00	11	TranscriptionTranscriptionGRF - GRF
12	4.95	0e+00	18	PhotosynthesisPhotosynthesisproteins
13	4.93	0e+00	206	Cell growthCell growth and divisionCell wall
14	4.9	0e+00	18	Energy metabolismMetabolismPhotosynthesisproteins
15	4.42	0e+00	47	TransportTransportTransportTransport
16	4.24	0e+00	113	ExosomeExosomeExosomeExosome
17	4.09	0e+00	97	RibosomeRibosomeArchaea
18	3.65	3e-04	66	ExosomeExosomeExosomeExosome
19	3.5	7e-04	65	PhagosomePhagosome
20	3.36	1e-03	26	Steroid biosynthesisSteroid biosynthesis
Underexpressed				
1	-4.63	0e+00	26	Flavonoid biosynthesisFlavonoid biosynthesis
2	-4.48	0e+00	92	Lipid metabolismMetabolismMetabolism
3	-3.95	4e-05	162	Plant specific signaling pathwaysPlant specific signaling pathways
4	-3.85	8e-05	48	TranscriptionTranscriptionWRKY - WRKY
5	-3.76	1e-04	45	Galactose metabolismMetabolism
6	-3.41	9e-04	28	TranscriptionTranscriptionBasophilicgranulocyte
7	-3.27	1e-03	58	Other amino acid metabolismMetabolism
8	-3.15	2e-03	77	Carbohydrate metabolismMetabolism
9	-3.02	3e-03	43	TranscriptionTranscriptionBZIP - BZIP
10	-2.82	6e-03	26	GlycosyltransferaseGlycosyltransferase
11	-2.8	6e-03	153	Plant-pathogen interactionPlant-pathogen interaction
12	-2.73	8e-03	51	BiosynthesisBiosynthesisproteins
13	-2.7	8e-03	44	Energy metabolismMetabolism
14	-2.69	8e-03	42	Tryptophan metabolismMetabolism
15	-2.64	9e-03	108	Carbohydrate metabolismMetabolism
16	-2.53	1e-02	77	Pores ion channels (Pore)Pores ion channels (Pore)
17	-2.51	1e-02	49	TranscriptionTranscriptionNAC - NAC
18	-2.49	1e-02	15	Stilbenoid biosynthesisStilbenoid biosynthesis
19	-2.36	2e-02	57	Glyoxylate metabolismMetabolism
20	-2.33	2e-02	13	PeptidasePeptidasePeptidasePeptidase

p-values

