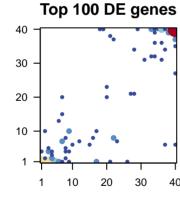
# Sangio\_freeze

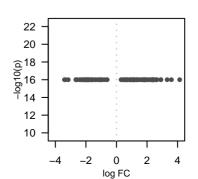
## **Global Summary**

%DE = NA # genes with fdr < 0.2 = 9609 (4833 + /4776 -)# genes with fdr < 0.1 = 6209 (3124 + /3085 -)# genes with fdr < 0.05 = 4490 (2270 + /2220 -)# genes with fdr < 0.01 = 2499 (1204 + /1295 -)

<FC> = 0< p-value > = 0.01< fdr > = 0.32

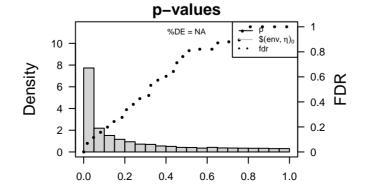
## **Portrait** 40 30 · 20 10 -10 20 30





### Differentially expressed genes

Rank ID		log(F	log(FC) fdr p–value		Meta	Description gene	Rar	
Overexpressed Ove								
1	Vitvi10g01230	0.73	1e-16	1e-14	7 x 15	Binding to a zinc ion (Zn).	1	
2	Vitvi00g00111	0.48	1e-16	1e-14	22 x 8	3 ,		
3	Vitvi07g0277€	0.48	1e-16	1e-14	22 x 8	Binding to a protein.	3	
4	Vitvi10g00459	2.49	1e-16	1e-14	4 x 2	3 4 4 4	4	
5	Vitvi00g01779	1.04	1e-16	1e-14	17 x 1		5	
6	Vitvi07g02735	1.04	1e-16	1e-14	17 x 1		6	
7	Vitvi00g01135	0.87	1e-16	1e-14	9 x 10		2 3 4 5 6 7	
8	Vitvi02g01826	0.87	1e-16	1e-14	9 x 10		8	
9	Vitvi01g00299	1.82	1e-16	1e-14	4 x 1		9	
10	Vitvi01g00317	2.64	1e-16	1e-14	1 x 1	The component of a membrane consisting of the gene produc	10	
11	Vitvi01g00380	1.11	1e-16	1e-14	9 x 4	The contents of a cell excluding the plasma membrane and n	11	
12	Vitvi01g01027	1.7	1e-16	1e-14	21 x 1	The component of a membrane consisting of the gene produc	12	
13	Vitvi01g02029	2.22	1e-16	1e-14	6 x 1		13	
14	Vitvi01g01703	2.32	1e-16	1e-14	3 x 5	The component of a membrane consisting of the gene produc	14	
15	Vitvi01g01777	1.16	1e-16	1e-14	9 x 1		15	
16	Vitvi02g00792	2.27	1e-16	1e-14	4 x 1	The chemical reactions and pathways involving carbohydrate:	16	
17	Vitvi02g00031	2.47	1e-16	1e-14	3 x 1	Binding to a metal ion.	17	
18	Vitvi02g00429	2.34	1e-16	1e-14	2 x 1		18	
19	Vitvi02g00463	1.17	1e-16	1e-14	7 x 7		19	
20	Vitvi00g00236	2.41	1e-16	1e-14	1 x 1		20	
							Unde	
	erexpressed					The investigation of the second second sixty and the second		
1	Vitvi01g01311 Vitvi01g00710	-1.04	1e-16 1e-16	1e-14 1e-14	31 x 31 40 x 40	The irregular network of unit membranes, visible only by elect The chemical reactions and pathways involving carbohydrate:	1	
2	Vitvi01g00710 Vitvi01g00631	-2.66 -1.07	1e-16	1e-14 1e-14	36 x 31	A process that is carried out at the cellular level which results	2 3 4 5 6 7	
	Vitvi01g00031	-2.29	1e-16	1e-14	40 x 40	Binding to a metal ion.	4	
5	Vitvi02g01529	-0.99	1e-16	1e-14	34 x 36	Binding to a zinc ion (Zn).	5	
4 5 6	Vitvi02g00022	-2.64	1e-16	1e-14	40 x 40	The chemical reactions and pathways involving carbohydrates	6	
7	Vitvi03g01388	-3.16	1e-16	1e-14	40 x 40		ž	
8	Vitvi03g00710	-1.15	1e-16	1e-14	28 x 21	Catalysis of the transfer of a methyl group to an acceptor mole	8	
9	Vitvi03g01759	-1.97	1e-16	1e-14	40 x 39	The component of a membrane consisting of the gene produc	9	
10	Vitvi04g00100	-0.61	1e-16	1e-14	21 x 38		10	
11	Vitvi04g00357	-2.31	1e-16	1e-14	40 x 6		11	
12	Vitvi04g00367	-1.74	1e-16	1e-14	40 x 37	Catalysis of a biochemical reaction at physiological temperatu	12	
13	Vitvi04g00442	-3.33	1e-16	1e-14	40 x 40	A more or less rigid stucture lying outside the cell membrane	13	
14	Vitvi04g00484	-0.8	1e-16	1e-14	28 x 34	Binding to a heme, a compound composed of iron complexed	14	
15	Vitvi04g01475	-2.42	1e-16	1e-14	40 x 40	The component of a membrane consisting of the gene produc	15	
16	Vitvi05g01366 Vitvi06g00383	-1.68	1e-16	1e-14	34 x 40	The chemical reactions and pathways involving carbohydrate: Binding to ATP, adenosine 5'-triphosphate, a universally impo	16	
17 18	Vitvi06g00363	-2.11 -2.58	1e-16 1e-16	1e-14 1e-14	36 x 40 33 x 40	The component of a membrane consisting of the gene produc	17 18	
19	Vitvi06g01057	-2.2	1e-16	1e-14	40 x 40	Binding to ATP, adenosine 5'–triphosphate, a universally impo	19	
20	Vitvi06g01281	-1.96	1e-16	1e-14	36 x 40	Binding to a metal ion.	20	
20				.0 .4		<u> </u>	20	



#### Differentially expressed gene sets

Rank GSZ p-val	ue #all Geneset
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0e+00

0e+00

0e+00

0e+00

113

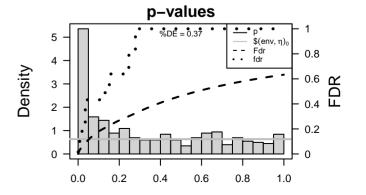
-3.81

-3.79

-3.78

-3.56

	rtaint	002	p .a.a.	"an	Concoct			
	Overexpressed							
	1	7.13	0e+00	48	Transcription faction taketor - WRKY			
		6.6	0e+00	45	Galactos@alatatos@smetabolism			
	3	5.76	0e+00	49	Transcriptioanfactipition MacCors - NAC			
	4	5.41	0e+00	162	Plant spe@lfantsignedifig signalint-gpatPlaget-plateragetioninteraction			
	5	4.61	0e+00	58	Other am Othecials nime takidlismeta Goliksrthie Odutætta bolismeta bolism			
	6	4.36	0e+00	77	CarbohydCateborteytalbateismmetalGallisottoseGallatatboeismmetabolism			
	2 3 4 5 6 7	4.21	0e+00	153	Plant-patRagenpiatecagetioninteraction			
	8	4.1	0e+00	92	Lipid metalipoidismmetal6bl/isænolip@dymaenalipoidismmetabolism			
	9	3.64	2e-04	51	Biosynthe Biosynthe sisolafry enetabalismeta bolism bio syntimelsio synthesis			
J(	10	3.64	2e-04	12	Enzyme -E62ayssel - Class I			
n	11	3.63	2e-04	42	Tryptopha <b>Tryptxtpbelism</b> etabolism			
J(	12	3.55	5e-04	77	Pores ion Robrassriels (Thanh)els [TC:1]			
	13	3.54	5e-04	24	Tropane pTpopriatioepapeeriptymieliamedaptyaldidebadsaptutkoesiosynthesis			
J(	14	3.51	5e-04	80	Transport Transport Stysteming Tettlering factors			
	15	3.47	6e-04	33	alpha-Linadpetraie-bicidlerrécatocitismetabolism			
e:	16	3.46	7e-04	34	Tyrosine rifijetasiolësmetabolism			
	17	3.4	1e-03	140	Hormonelstigmating signitalithene signating signaling			
	18	3.34	1e-03	17	Isoquinoli <b>lseoquikatdidebidsgitatidelsio</b> synthesis			
	19	3.05	3e-03	26	Flavonoid Ptracosyntitides is synthesis			
	20	2.91	5e-03	71	Glutathion@utættaibolismetabolism			
	Underex	nraesan	,					
ct		–12.77		18	Energy mētadogljismetalBiblistos yn Plecsios symthesis paroteimsa proteins			
B!	1	-12.77		18	PhotosyntPlessissyrathlesisa-paroteims proteins			
s	2 3 4 5 6 7	-11.48		47	Transporteratatuter-catalogorteleatouron carriers			
•	4	-8.33	0e+00	38	Photosynthesis			
	5	-8.3	0e+00	80	Cytoskele@ntoskeletotubulkeisrotubules			
<b>e</b> !	6	-8.28	0e+00	217	Cell motilitel inetilitation equalation ytoskeleton			
	7	-7.67	0e+00	78	Energy metaborglysmetalebolistors yn Phassios yn thesis			
oli	8	-7.37	0e+00	10	Photosyn Priessis sproutreissis Priodeins ys Pelmodo (\$750 enclid (\$750 by that) rophyll a)			
J(	9	-7.15	0e+00	206	Cell grow (Dealing tradeth hand Catella Mall-Cell wall			
	10	-6.2	0e+00	40	Transport Transport Stylsyteatkoid Tlaydgettoid pearthentang pathway			
	11	-4.31	0e+00	219	Cell growtDetlingtroulertithandOutdlathjicleCell cycle			
tι	12	-4.28	0e+00	10	PeptidaseRequidaiskeisbitands in Hibitothys A1F.quephysiA.faquethysin family			
Э.	13	-4.27	0e+00	41	Porphyrin Poeplalyolismetabolism			
d	14	-3.93	0e+00	134	Hormone High atting signating signating signaling			
J(	15	-3.93	0e+00	66	Exosome Ex Exos rema Epocate in a lqui rollarible o carbander extancer cells			



Transcription fald MissA- AUXIAA

Hormone High adding signaling signaling signaling

AquaporirAcquapominallameLustralasionletet trabasoputet etrar(\$160ar(teAss)[TC:1.A.8]