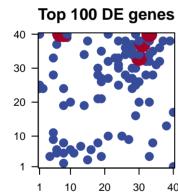
## Sangio\_freeze\_r2

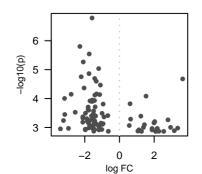
## **Global Summary**

%DE = 0.29 # genes with fdr < 0.2 = 65 (9 + / 56 -) # genes with fdr < 0.1 = 22 (2 + / 20 -) # genes with fdr < 0.05 = 8 (0 + / 8 -) # genes with fdr < 0.01 = 0 (0 + / 0 -)

<FC> = 0 <p-value> = 0.27 <fdr> = 0.71

## Portrait 40 30 20 10 10 10 10 11 10 20 30 40 11





## Differentially expressed genes

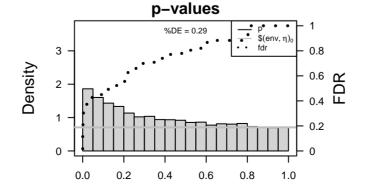
Rank		log(FC) fdr		fdr	Description		Rank	GSZ	p-value	∍ #all	Geneset
ID		p-value		lue	Metagene						
010	rexpressed	•		-		Overexpressed					
4	•					Diadian to a solution in (CoO.)	_ Δ				Harmon Mineria e i Fabilita e Fabrilla e i cantina
1	Vitvi01g01586		2e-05	0.06	4 x 4	Binding to a calcium ion (Ca2+).	1	5.98	0e+00	140	Hormonelsignating signthliftene Sithnading signaling
2	Vitvi11g01300		8e-05	0.10	2 x 24	The chemical reactions and pathways involving carbohydrate:	2	5.67	0e+00	45	Galactos@alatztbseismetabolism
3	Vitvi16g01348		2e-04	0.19	18 x 21	Binding to a nucleic acid.	3	5.61	0e+00	73	Transcription factipition fall 20 EREBP
4	Vitvi05g00096		4e-04	0.20	16 x 6	Any molecular function by which a gene product interacts sele	4	4.8	0e+00	92	Lipid metalipoidismetaGolyissenolip@dynaenalipoidismetabolism
5	Vitvi04g01401		5e-04	0.20	19 x 21	The contents of a cell excluding the plasma membrane and n	5	4.73	0e+00	49	Transcription/scription Metors - NAC
6	Vitvi13g00517	2.8	5e-04	0.20	21 x 10	Catalysis of the transfer of an acyl group, other than amino-a	6	4.72	0e+00	77	Carbohyd Cateborte, talbat lësime ta Gallisio to se Gallatat bolësime ta bolism
7	Vitvi05g00600	2.03	6e-04	0.20	19 x 4	The component of a membrane consisting of the gene produc	7	3.89	8e-05	64	Transcriptionniscriptison (althorstran@threptionniscriptison factors
8	Vitvi08g01112	1.99	7e-04	0.20	15 x 3	The component of a membrane consisting of the gene produc	8	3.73	1e-04	42	Tryptopha <b>Tryptetphelism</b> etabolism
9	Vitvi07g01673	2	7e-04	0.20	5 x 11	Catalysis of an oxidation-reduction (redox) reaction, a reversi	9	3.6	4e-04	58	Other am 10th ecials nime tabiolisme tabiolisme tabilismthie @utettaibolism
10	Vitvi07g00101	1.44	8e-04	0.20	1 x 24		10	3.37	1e-03	48	Transcriptioanfactiputson taketkins - WRKY
11	Vitvi14g01413	0.57	9e-04	0.20	8 x 24	Binding to a protein.	11	3.35	1e-03	153	Plant-pathtagenpathagetionnteraction
12	Vitvi05g01933	2.95	1e-03	0.20	6 x 5		12	3.29	1e-03	28	Transcriptionarisactipation Bastiorseu Basicippusin(bZliP)per (bZIP)
13	Vitvi10g00584	1.38	1e-03	0.20	13 x 7	A membrane-bounded organelle of eukaryotic cells in which	13	3.28	1e-03	45	Valine leulvärlien enheluisionle varideisobegunaidretide gradation
14	Vitvi17g01621	3.36	1e-03	0.20	6 x 6		14	3.18	2e-03	34	Tyrosine ritieratio esmetabolism
15	Vitvi11g00139		1e-03	0.20	10 x 6	Binding to ATP, adenosine 5'-triphosphate, a universally impo	15	2.99	3e-03	55	Glycerolip@dynomentalippitismetabolism
16	Vitvi15g00547		1e-03	0.20	8 x 8	Any molecular entity that serves as an electron acceptor and	16	2.95	3e-03	26	Pantother Rate tathue CattA birots CoulAdsissynthesis
17	Vitvi03g01198		1e-03	0.20	5 x 9	The component of a membrane consisting of the gene produc	17	2.94	4e-03	11	Lipid metalipoidismeta@allsr@ter@i2tlh@teronie Inoztabolismetabolism
18	Vitvi14g00841		1e-03	0.20	18 x 8	A membrane-bounded organelle of eukaryotic cells in which	18	2.84	5e-03	51	BiosyntheßiosynthesisdafryenetadauljsmetaAndiambiosynthesiosynthesis
19	Vitvi03g00499		1e-03	0.20	11 x 5	A membrane-bounded organelle of eukaryotic cells in which	19	2.82	6e-03	43	Transcription Bazters – BZIP
20	Vitvi08g01043		1e-03	0.20	25 x 10	Binding to a zinc ion (Zn).	20	2.8	6e-03	35	Mitophagt//fitambhragy factors
	· ·	1.13	16-03	0.20	23 X 10	binding to a zino for (zin).				33	ттортодунационаду тоского
Und	erexpressed						Underex	(pressea	1		
1	Vitvi06g01044	-1.58	2e-07	0.02	29 x 30	Catalysis of an oxidation-reduction (redox) reaction, a reversi	1	-9.78	0e+00	47	Transport@irarestatortger-datenlego-rtTeterostpoortoelerideren carriers
2	Vitvi19g00708	-2.28	2e-06	0.02	7 x 40	The formation of a protein dimer, a macromolecular structure	2	-9.67	0e+00	18	Energy m Etæbrgljsmmetal Blobbons yn Phessios symtheres äs paroteims a proteins
3	Vitvi05g01558	-1.74	3e-06	0.03	19 x 35	Binds to and increases the activity of a GTPase, an enzyme t	3	-9.35	0e+00	18	Photosyn Plessissy rathlessisa-paroteimsa proteins
4	Vitvi14g00216	-2.09	5e-06	0.04	5 x 33	Catalysis of the transfer of a methyl group to an acceptor mol-	4	-8.78	0e+00	80	Cytoskele@ynoskleletotuleulleisrotubules
5	Vitvi04g00847	-1.2	9e-06	0.04	14 x 34	The component of a membrane consisting of the gene produc	5	-8.51	0e+00	217	Cell motilitigell integlialipation englatation regation skelleton
6		-1.76	1e-05	0.04	21 x 40	A lipid bilayer along with all the proteins and protein complexe	6	-6.84	0e+00	206	Cell grow Dealing troube thin and Deallautrall-Cell wall
7	Vitvi06g00577	-2.21	2e-05	0.04	36 x 32	Either of the lipid bilayers that surround the mitochondrion and	7	-5.95	0e+00	10	Photosyn (Pleasis sproute is is followeins ys felhouto(spy 50 and hi (cp 7 ph) ydhab) rophyll a)
8	-	-1.43	2e-05	0.04	30 x 33	The contents of a cell excluding the plasma membrane and n	8	-5.79	0e+00	38	Photosyn Pleasis synthesis
9	Vitvi14g00238	-1.34	3e-05	0.10	9 x 39	The network of interconnected tubular and cisternal structure:	9	-5.75	0e+00	78	Energy mētæbrgljsmmetalBblistonsyntPlessissynthesis
10	Vitvi10g00850		3e-05	0.10	19 x 26	Binding to a protein.	10	-5.3	0e+00	40	Transport Transport Stylisterkoid Tlaybettoid perthetiang pathway
11	Vitvi13g00059		4e-05	0.10	7 x 40	The chemical reactions and pathways resulting in the formatic	11	-5.16	0e+00	66	ExosomeEx <b>ExosumaEpoxiteinalqfifolizaitdeocharadderetta</b> ncer cells
12	Vitvi15g00723		7e-05	0.10	28 x 27	A closed structure, found only in eukaryotic cells, that is comp	12	-5.13	0e+00	113	Exosome Ex Escostrema Epocateina lopiro debine cotá localor recetalettancer cells
13	Vitvi10g01164		7e-05	0.10	30 x 38		13	-4.5	0e+00	24	Replication prioritation prioritation prioritation Factors
14	Vitvi15g01085		7e-05	0.10	14 x 19		14	-4.49	0e+00	219	Cell growtDedingtrouteththandDeddathroleCell cycle
15	Vitvi02g00684		8e-05	0.10	15 x 38	The contents of a cell excluding the plasma membrane and n	15	-3.83	8e-05	65	Phagosome
16	Vitvi17g00560	-3.17	1e-04	0.10	37 x 38	Binding to a protein.	<u> 16</u>	-3.52	6e-04	26	Steroid bi <b>6ssyrutidelsie</b> synthesis

24 x 31 Catalysis of a biochemical reaction at physiological temperatu

33 x 20 Any process that results in a change in state or activity of a ce

32 x 28 The component of a membrane consisting of the gene produc

30 x 34 The component of a membrane consisting of the gene produc



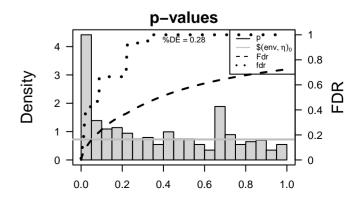
Vitvi02g00419 -1.57

Vitvi19q00762 -1.7

1e-04 0.10

1e-04 0.10

1e-04 0.10



Glycosyltr@hysfessylteens@erasteuralStrollycsaradhaoliydsaccharide

PeptidaseReputidaskisistorus in Hibitoitys A1FaprejlysiA faprejlysin family

PeptidaseReputidanskishishords in Hilbitroitys S1Ramily S10

Thiamine Theatatiotismetabolism

-3 47

-3.32

-3.16

-3.16

8e-04

1e-03

2e-03

78

34

21

Differentially expressed gene sets