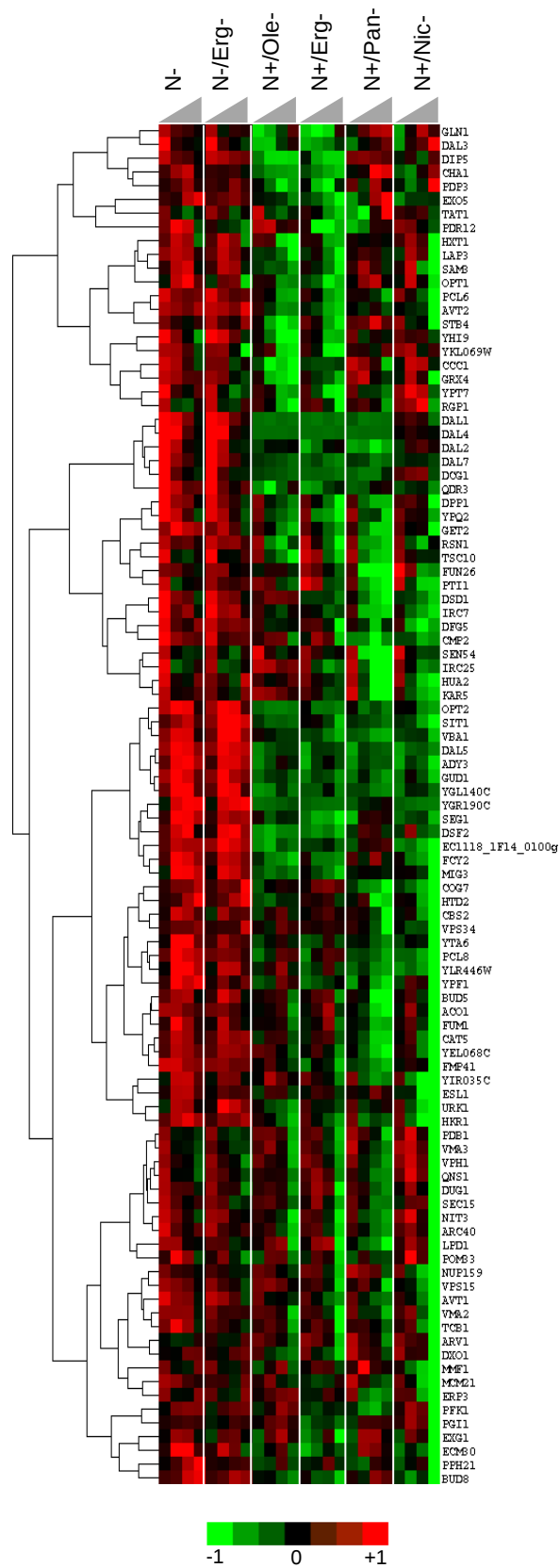




Category	p-value	In Category from Cluster	k	f
allantoin catabolic process [GO:0000256]	9.672e-09	DAL1 DAL4 DAL2 DAL7 DAL3	5	7
purine base metabolic process [GO:0006144]	2.036e-07	DAL1 DAL4 DAL2 DAL7 DAL3	5	11
transport [GO:0006810]	2.538e-07	FUN26 QDR3 TAT1 VPS15 VMA2 ERP3 VMA3 AVT2 SIT1 FCY2 GET2 COG7 SEC15	30	815
transmembrane transport [GO:0055085]	3.452e-06	HXT1 NUP159 DAL4 OPT1 AVT1 DAL5 POM33 CCC1 VPS34 ARV1 YPT7 VBA1 VPH1 PDR12 DIP5 SAM3 OPT2	16	303
amino acid transport [GO:0006865]	2.175e-05	TAT1 AVT2 AVT1 VBA1 DIP5 SAM3	6	42
nitrogen compound metabolic process [GO:0006807]	3.176e-05	QNS1 DCG1 NIT3 GLN1	4	14
glycolysis [GO:0006096]	0.0005594	PGI1 PDB1 PFK1 YLR446W	4	28
cellular iron ion homeostasis [GO:0006879]	0.0008327	VMA3 SIT1 GRX4 CCC1	4	31
ATP hydrolysis coupled proton transport [GO:0015991]	0.001545	VMA2 VMA3 VPH1	3	17
peptide transport [GO:0015833]	0.001869	OPT1 OPT2	2	5
propionate metabolic process [GO:0019541]	0.001869	ACO1 PDR12	2	5
oligopeptide transport [GO:0006857]	0.001869	OPT1 OPT2	2	5
sulfur compound metabolic process [GO:0006790]	0.003853	IRC7 OPT1	2	7
amino acid transmembrane transport [GO:0003333]	0.004286	TAT1 DIP5 SAM3	3	24
cellular bud site selection [GO:0000282]	0.005397	BUD5 HKR1 BUD8	3	26
vacuolar acidification [GO:0007035]	0.005397	VMA2 VMA3 VPH1	3	26
cellular calcium ion homeostasis [GO:0006874]	0.006487	VMA2 CCC1	2	9
nucleobase transport [GO:0015851]	0.008036	FCY2 DAL4	2	10
tricarboxylic acid cycle [GO:0006099]	0.008096	DAL7 ACO1 FUM1	3	30
nucleobase, nucleoside, nucleotide and nucleic acid transport [GO:0015931]	0.009733	FCY2 DAL4	2	11
carbohydrate metabolic process [GO:0005975]	0.009759	PCL6 EXG1 YLR446W CAT5 PCL8	5	94

S7 Fig. Genes with low expression in micronutrient starvations compare with nitrogen starvation (cluster 24) during alcoholic fermentation

For : N- : low nitrogen, 71 mg/L YAN; N-/Erg- : low nitrogen/low ergosterol, 71 mg/L YAN, 1.5 mg/L ergosterol; N+/Ole-: high nitrogen/ low oleic acid, 425 mg/L YAN, 18 mg/L oleic acid; N+/Erg-: high nitrogen/ low ergosterol, 425 mg/L YAN, 1.5 mg/L ergosterol; N+/Pan-: high nitrogen/ low pantothenic acid, 425 mg/L YAN, 0.02 mg/L pantothenic acid and N+/Nic-: high nitrogen/ low nicotinic acid, 425 mg/L YAN, 0.08 mg/L nicotinic acid; transcriptomic assays were performed at four time points during alcoholic fermentation (T1, 20×10^6 cells/mL; T2, 12 g CO₂ produced; T3, 40 g CO₂ produced; T4, 75 g CO₂ produced) indicated by (▲). Results show the mean of biological triplicate.