Table 3. *Concentration of several proposed regulatory metabolites of the Pasteur effect in aerobiosis and anaerobiosis in yeast showing and lacking this effect*
Experimental conditions and symbols are as described in the legend of Table 2

Metabolite	Concentration in conditions							
	A		B		C		D	
	O_2	N_2	O_2	N_2	O_2	N_2	O_2	N_2
	μM							
Fructose-2,6-P_2	1.2 ± 0.2	1.3 ± 0.1	0.36 ± 0.01	**1.1** ± 0.1	0.56 ± 0.05	0.51 ± 0.02	1.7 ± 0.2	1.7 ± 0.3
	mM							
Phosphate	22 ± 1	22 ± 1	19 ± 1	**25** ± 1	17 ± 3	**23** ± 4	15 ± 4	**23** ± 2
ATP	1.9 ± 0.1	2.0 ± 0.1	1.8 ± 0.1	1.7 ± 0.2	1.5 ± 0.3	1.6 ± 0.3	1.5 ± 0.2	1.6 ± 0.5
ADP	0.32 ± 0.02	0.29 ± 0.02	0.53 ± 0.10	**0.30** ± 0.15	0.47 ± 0.14	**0.53** ± 0.14	1.1 ± 0.3	0.87 ± 0.3
AMP	0.19 ± 0.02	0.16 ± 0.02	0.14 ± 0.05	**0.10** ± 0.02	0.09 ± 0.03	**0.20** ± 0.09	0.32 ± 0.05	**0.22** ± 0.1
Citrate	5.2 ± 0.5	4.7 ± 0.3	16 ± 1	15 ± 2	13 ± 3	15 ± 4	13 ± 2	**8.2** ± 1.8
2-Oxoglutarate	5.0 ± 0.2	5.2 ± 0.1	0.21 ± 0.01	**0.35** ± 0.05	0.24 ± 0.03	**1.5** ± 0.4	3.7 ± 0.7	**1.8** ± 0.3

Glucose	(A) transfer to resting medium
Glucose	(B) 22 h in resting medium (aerobiosis)
Glucose	(C) 22 h in resting medium (anaerobiosis)
Galactose	(D) 2 h in resting medium (aerobiosis)

Table 2. *Concentration of glycolytic intermediates in aerobiosis and anaerobiosis in yeast showing and lacking the Pasteur effect*
A, B, C, D, refer to the treatments indicates in Table 1. After these treatments the cultures were split into two parts; one was kept in anaerobiosis and the other in aerobiosis for 1 h as described in Materials and Methods. Sampling and determination of metabolite was performed as stated in Materials and Methods. To calculate the intracellular concentrations it has been assumed that 1 g of wet yeast contains 0.6 ml cell sap [19]. Values are means of 4–12 different experiments followed by SEM. Values in bold-face type indicate a statistically significant difference between aerobiosis and anaerobiosis (*t* test: $P \leq 0.05$). Conditions B, C, D, show the Pasteur effect