

Table 2

Proton uptake upon glycerol addition and H⁺/ATPase activity in *Pichia sorbitophila* mutant strains representative of all halotolerance mutant classes obtained

Mutant class	Mutant strain	Initial alkalization rate upon glycerol addition (% wt activity)		H ⁺ /ATPase activity (μmol h ⁻¹ per g)
		NaCl 0M	NaCl 1M	
I	1.14	23	23	213,9
	1.26	50	43	-
	1.38	0	25	309,9
	3.27	13	18	290,8
	3.38	11	10	120,7
II	1.47	0	100	274,8
	2.4	0	63	393,0
	3.14	0	38	345,3
III	1.17	70	21	-
IV	1.19	19	21	96,7
	1.28	13	40	375,1
V	1.16	0	29	292,3
	1.27	0	19	523,3
	2.16	0	71	1125,5
	2.18	0	40	284,7
	2.47	0	62	447,0
	4.2	0	15	804,1
VI	3.30	14	40	464,7
VII	3.42	0	0	0
VIII	1.12	52	-	-
	1.31	100	55	-
	1.34	34	-	-
	1.49	0	21	912
	2.41	0	38	1313
	3.33	0	47	531
Wild-type^a		100	100	669,9±144,4

-, not determined.

^a[9].

^bNumber of independent assays.