

Table 3

Kinetic constants and accumulation capacity of the glycerol proton symport of *Pichia sorbitophila* in mutant strains representative of all halotolerance mutant classes obtained.

Mutant class	Mutant strain	Maximum accumulation ratios of [ <sup>3</sup> H]glycerol (in/out)		Kinetic constants of initial uptake rates of [ <sup>3</sup> H]glycerol										
		NaCl 0M			NaCl 1M			NaCl 0M			NaCl 1M			
		NaCl 0M	NaCl 1M	K <sub>d</sub> (mM)	K <sub>m</sub> (mM)	V <sub>max</sub> ( $\mu\text{mol h}^{-1}\text{g}^{-1}$ )		K <sub>d</sub> (mM)	K <sub>m</sub> (mM)	V <sub>max</sub> ( $\mu\text{mol h}^{-1}\text{g}^{-1}$ )				
<b>I</b>	1.14	~1	<1	-	-	-	-	-	-	-	-	-	-	
	1.26	~2	<1	-	-	-	-	-	-	-	-	-	-	
	1.38	<1	<1	0,49	NM	NM	0,49	NM	NM	NM	NM	NM	NM	
<b>II</b>	2.4	~1	~1	0,46	0,36	1096,7	0,33	0,86	390,8					
<b>III</b>	1.17	~1	<1	NM	0,85	396,9	NM	0,53	832,3					
<b>IV</b>	1.19	NM	NM	0,06	NM	NM	0,07	NM	NM					
<b>V</b>	2.1	<1	<1	-	-	-	-	-	-	-	-	-	-	
	2.18	<1	<1	0,27	0,45	418,6	0,60	0,565	429					
	4.2	<1	NM	-	-	-	-	-	-	-	-	-	-	
<b>VI</b>	3.30	NM	~1	0,56	NM	NM	0,25	NM	NM					
<b>VII</b>	3.42	~1	<1	0,20	NM	NM	0,06	NM	NM					
<i>wt</i>		±12x	±25x	0,144±0,03	0,93±0,19	621,0±164,8	0,472±0,08	1,37±0,57	1208,2±563					

Wild-type results correspond to the ones published as obtained before iteration procedures [9].

-, not determined. NM, not measurable (~0).