



ATP3 (wt)

$m1 = V_{max}$ ,  $m2 = K_m$

y = $m1 \cdot m0 / (m2 + m0)$		
	Value	Error
m1	3.1	0.11803
m2	2.0623	0.14491
Chisq	0.0033263	NA
R	0.99928	NA

atp3-3

$m1 = V_{max}$ ,  $m2 = K_m$

y = $m1 \cdot m0 / (m2 + m0)$		
	Value	Error
m1	2.3064	0.16012
m2	0.89411	0.14024
Chisq	0.028729	NA
R	0.99306	NA

**Supplementary Figure S5** ATPase activity of isolated *K. lactis* mitochondria. Curves for wild type *K. lactis* (ATP3 □) and the strain expressing the suppressor mutation identified in *T. brucei* Dk164 (atp3-3 ■) have been fitted by a least-squares plot of data obtained from three independent mitochondrial isolations using the Michaelis-Menten equation.