

## Supplementary information

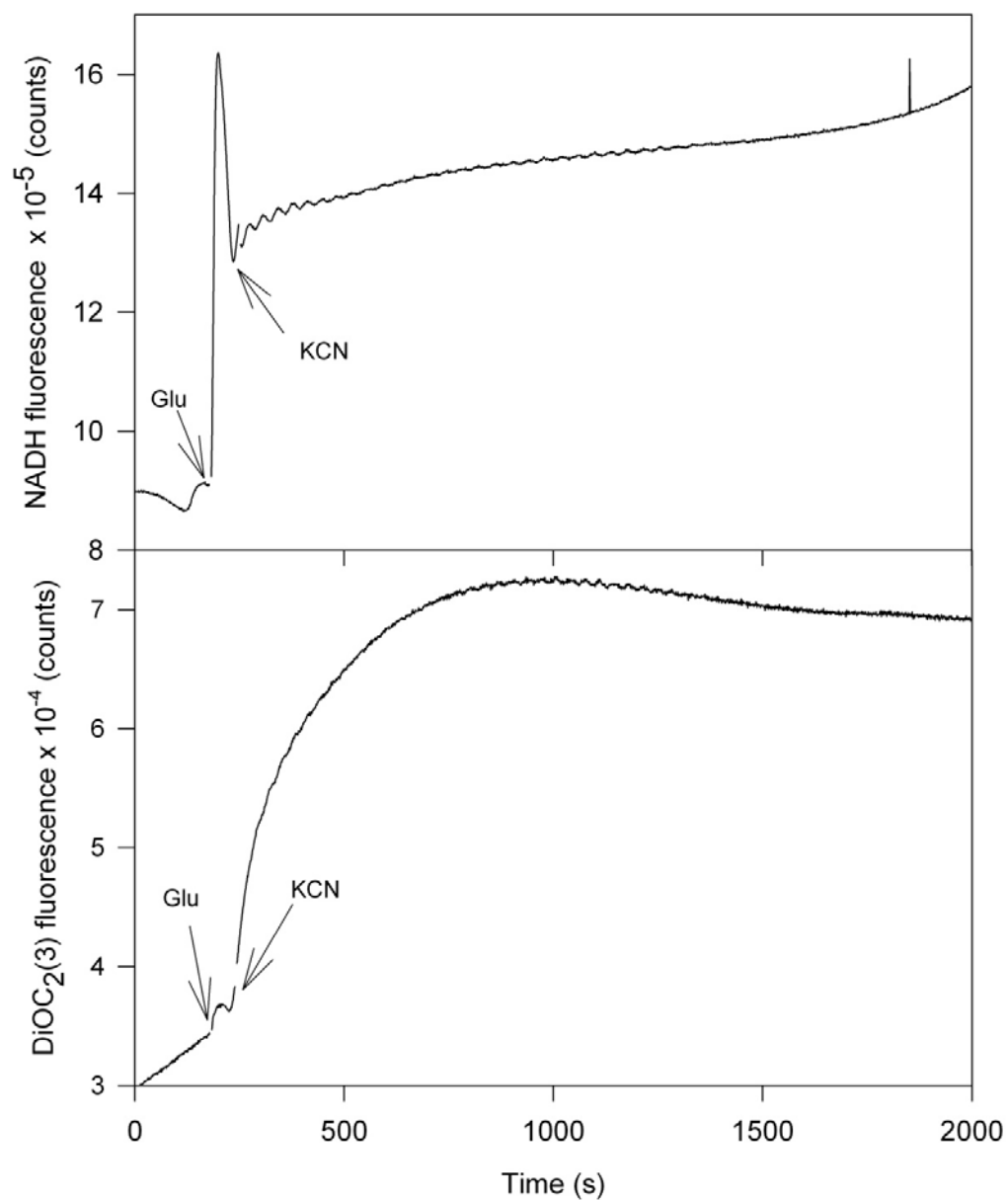
### **Measurements of intracellular ATP provide new insight into the regulation of glycolysis in the yeast *Saccharomyces cerevisiae***

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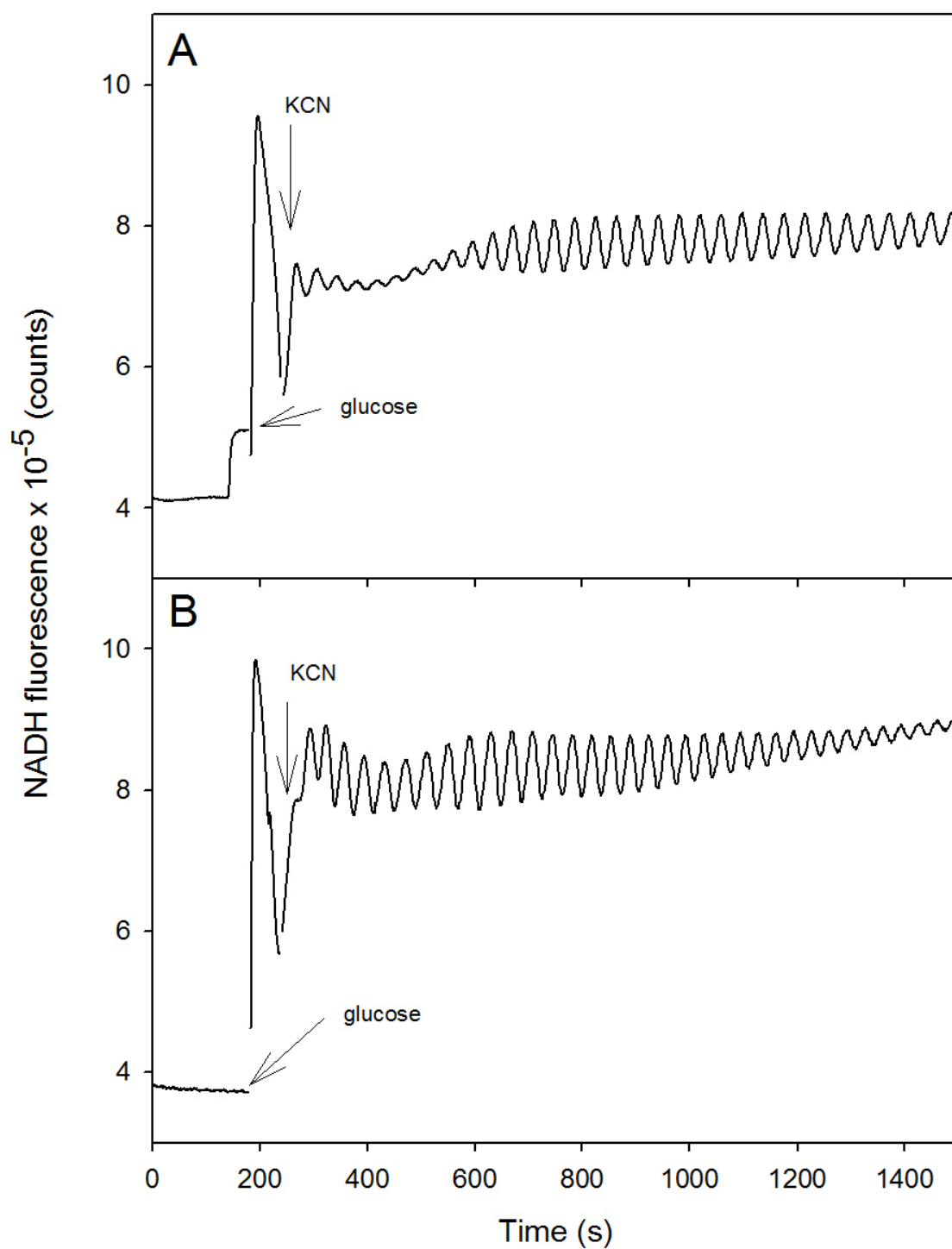
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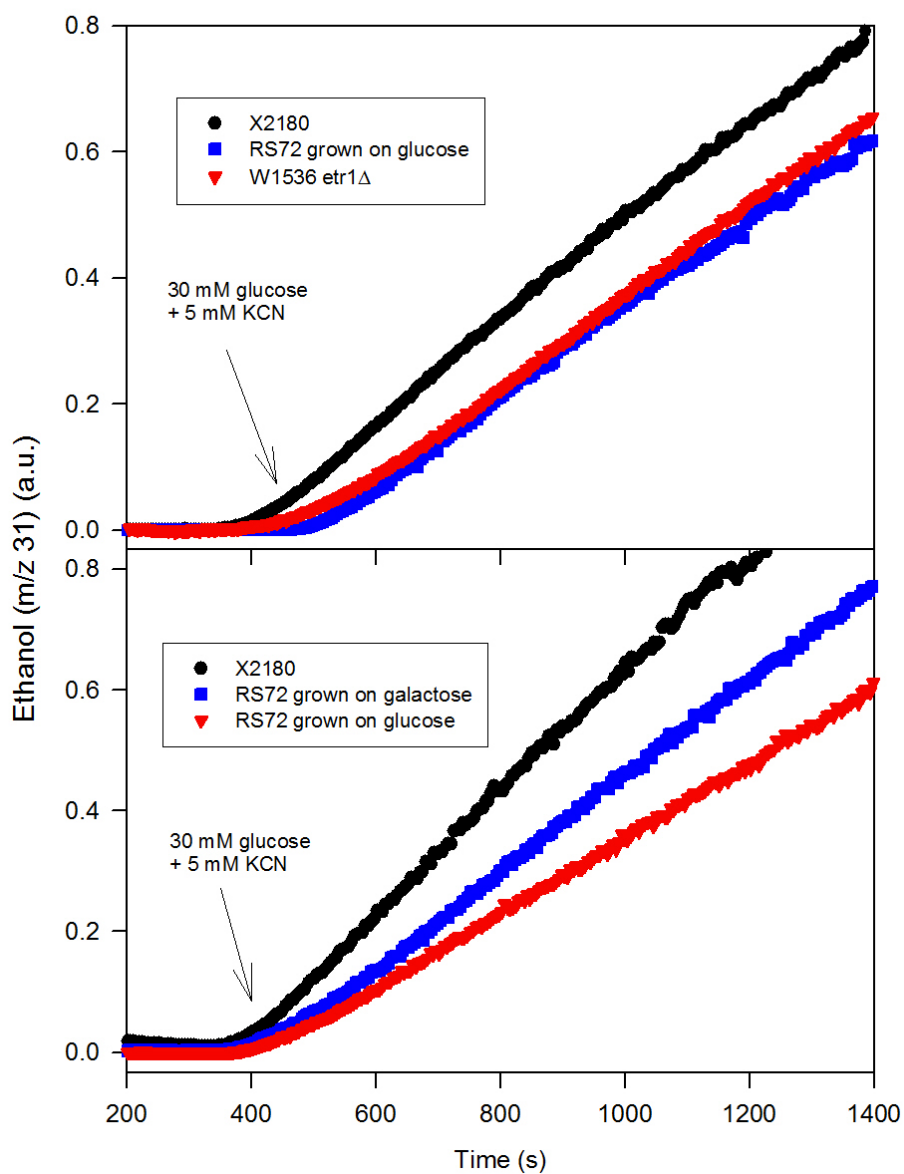
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**Fig. S1** Oscillations in NADH and mitochondrial membrane potential in cells of the yeast W1536 wild type after addition of 30 mM glucose and 5 mM KCN to a suspension of cells in 100 mM potassium phosphate, pH 6.8.



**Fig. S2.** Oscillations in NADH induced by addition of 30 mM glucose and subsequently 5 mM KCN to suspensions of X2180 yeast cells grown on (A) mannose medium and subsequently (B) transferred to a glucose medium and grown overnight.



**Fig. S3.** Ethanol production in cells of the strains X2180, RS72 grown on galactose or glucose, W1536 wild type and W1536 *etr1Δ* measured using membrane inlet mass spectrometry. The cells were suspended to a density of 10% wet weight and 30 mM glucose and 5 mM KCN were added as indicated by the arrow.