

1 **Supplementary Material 2.**

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Influence of different parameters on AmyT1 activity.			
	High value	Low value	Effect
Temperature (°C)	50	30	2.8
pH	8	6	1.9
Soluble starch (g/L)	5	0.5	1.0
CaCl ₂ (mM)	10	0*	0.9
MgCl ₂ (mM)	10	0*	0.2

A Plackett-Burman design was applied. The effect corresponds to ratio between influence of each parameter and the experimental error. *, no compounds addition.

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