

Supplementary Table S1. Calibration data used for the HPLC quantification of sugars and lactic acid.

Standards	Linearity (g L ⁻¹)	Calibration curve	Correlation (r ²)	LOQ (g L ⁻¹)	LOD (g L ⁻¹)
Glucose	0.5-15	y=0.1625x - 0.0228	0.997	0.5	0.1
Galactose	0.5-15	y=0.3681x - 0.0815	0.998	0.5	0.05
Lactose	0.5-15	y=0.3109x - 0.0107	0.999	0.5	0.2
Lactic acid	0.5-15	y=14.358x - 0.8472	0.999	0.5	0.05