

Table S6 Volatile alcohols and esters present in the fermentation media at day 14 of fermentation.

DAY14	VIN13	SOK2-VIN13	BM45	RAP1-BM45	DV10
Ethyl Acetate	31.39 ± 0.66	28.09 ± 1.41	27.11 ± 2.85	23.88 ± 0.99	33.18 ± 0.43
Propanol	76.48 ± 3.09	83.37 ± 6.25	45.60 ± 1.21	41.53 ± 4.01	69.52 ± 5.30
Isobutanol	19.00 ± 1.74	24.96 ± 0.53	25.88 ± 2.81	22.42 ± 1.65	21.27 ± 3.07
Isoamyl Acetate	0.34 ± 0.04	0.73 ± 0.02	0.43 ± 0.03	0.40 ± 0.04	0.43 ± 0.11
Butanol	1.07 ± 0.07	1.33 ± 0.04	0.58 ± 0.06	0.70 ± 0.05	0.87 ± 0.06
Isoamyl alcohol	106.8 ± 9.37	132.74 ± 7.57	104.61 ± 3.42	108.09 ± 7.01	113.69 ± 11.49
Ethyl Hexanoate	0.22 ± 0.19	0.36 ± 0.01	0.35 ± 0.01	<i>0.19 ± 0.02</i>	0.39 ± 0.03
Hexanol	Bd	0.01 ± 0.01	Bd	0.35 ± 0.02	Bd
Ethyl Caprylate	0.15 ± 0.02	0.26 ± 0.02	0.24 ± 0.04	0.23 ± 0.05	0.29 ± 0.03
Acetic Acid	926.9 ± 50.2	1182.9 ± 87.8	1154.6 ± 112.7	1263.2 ± 85.9	1261.0 ± 47.1
Propionic Acid	6.05 ± 0.48	7.93 ± 0.63	2.81 ± 0.17	5.07 ± 0.42	8.01 ± 0.22
Iso-Butyric Acid	0.76 ± 0.03	0.96 ± 0.04	0.96 ± 0.07	0.86 ± 0.03	1.02 ± 0.10
Butyric Acid	0.49 ± 0.04	0.59 ± 0.02	0.61 ± 0.04	0.63 ± 0.06	0.75 ± 0.01
Ethyl Caprate	0.32 ± 0.04	0.47 ± 0.05	0.43 ± 0.04	0.50 ± 0.09	0.59 ± 0.04
Iso-Valeric Acid	0.84 ± 0.01	0.87 ± 0.04	0.79 ± 0.09	0.67 ± 0.07	0.91 ± 0.12
Diethyl Succinate	Bd	0.07 ± 0.03	Bd	0.11 ± 0.04	0.05 ± 0.05
Valeric Acid	Bd	bd	Bd	0.22 ± 0.15	0.01 ± 0.01
2-Phenylethyl Acetate	0.03 ± 0.02	0.06 ± 0.00	0.04 ± 0.01	0.02 ± 0.01	0.04 ± 0.01
Hexanoic Acid	1.53 ± 0.08	2.28 ± 0.28	2.56 ± 0.60	2.76 ± 0.30	3.28 ± 0.51
2-Phenyl Ethanol	13.68 ± 0.88	20.43 ± 1.54	15.16 ± 0.74	<i>12.93 ± 0.83</i>	16.07 ± 0.69
Octanoic Acid	1.15 ± 0.06	1.31 ± 0.11	1.13 ± 0.19	1.25 ± 0.29	1.93 ± 0.15
Decanoic Acid	2.18 ± 0.04	2.38 ± 0.11	1.95 ± 0.16	2.34 ± 0.21	3.45 ± 0.12

All values are expressed in mg.L⁻¹ and are the average of 4 biological repeats ± standard deviation. Metabolites present at concentrations below the detection limit are indicated by “bd”. Values in bold indicate a statistically significant increase in concentration for a given metabolite relative to the untransformed control, whereas values in italics indicate a significant decrease in concentration.