

Table S1. Fermentation parameters and significance of differences

Strains	Maximum specific growth rate (1/hr)			Biomass yield [g/g-substrate]			Specific galactose uptake rate (mmol/g DCW/hr)			Specific Ethanol production rate (mmol/g DCW/hr)		
	Mean (n=2)	STD (n=2)	p-value in t-test	Mean (n=2)	STD (n=2)	p-value in t-test	Mean (n=2)	STD (n=2)	p-value in t-test	Mean (n=2)	STD (n=2)	p-value in t-test
5DU	0.16	±0.00		0.32	±0.02		2.82	±0.20		1.36	±0.30	
RAU	0.23	±0.01	0.002	0.29	±0.00	0.058	4.43	±0.09	0.005	3.32	±0.05	0.006
RBU	0.18	±0.00	0.013	0.27	±0.01	0.037	3.63	±0.18	0.025	2.58	±0.11	0.016
EBU	0.17	±0.00	0.038	0.29	±0.01	0.084	3.30	±0.11	0.049	1.49	±0.06	0.304
PGM2	0.21	±0.01	0.016	0.29	±0.02	0.097	3.96	±0.02	0.007	3.79	±0.27	0.007
RAP	0.26	±0.00	0.000	0.37	±0.02	0.038	3.82	±0.15	0.014	2.47	±0.06	0.018
RBP	0.26	±0.03	0.019	0.34	±0.02	0.200	4.22	±0.18	0.009	2.91	±0.09	0.010
EBP	0.26	±0.00	0.000	0.36	±0.02	0.065	4.02	±0.24	0.016	2.43	±0.22	0.028
7D	0.21	±0.00		0.38	±0.00		3.10	±0.04		1.20	±0.04	
62A	0.26	±0.00	0.001	0.39	±0.01	0.087	3.67	±0.06	0.004	1.57	±0.03	0.004
62B	0.26	±0.00	0.002	0.37	±0.00	0.045	3.91	±0.04	0.001	2.23	±0.18	0.008