

Table S1. The average mol percentages of individual total dissolved amino acids (TDAA) and total dissolved neutral sugars (TDNS) during the two incubation experiments. Both D- and L-amino acids were included in Asp, Glu, Ser and Ala.

	Exp I									Exp II						
	Day									Day						
	0	1	2	3	6	10	14	24	60	0	0.125	1	3	5	9	36
Mol percentage (%) of TDAA																
Asp	13.0	12.5	12.5	12.4	12.9	12.9	11.9	12.2	12.6	6.4	6.7	6.8	7.1	7.2	7.2	7.0
Glu	9.2	7.5	7.4	7.6	8.1	8.2	7.5	7.3	7.9	7.5	7.8	7.8	7.9	7.6	7.6	7.5
β -Ala	3.4	4.0	4.3	4.4	4.6	4.9	5.1	5.5	6.0	5.3	5.3	5.4	5.7	6.0	6.4	7.3
GABA	1.3	1.4	1.3	1.2	1.3	1.2	1.0	1.0	1.2	1.7	1.8	1.9	2.1	2.0	2.1	2.3
His	0.7	0.4	0.4	0.5	0.3	0.3	0.8	0.8	0.7	1.4	1.3	1.2	1.2	0.9	0.8	0.8
Arg	4.3	3.7	3.8	4.1	3.8	3.8	3.7	3.6	3.8	5.5	5.6	6.3	5.8	5.9	5.5	4.7
Lys	3.9	2.5	2.3	2.5	2.1	2.1	2.4	2.5	2.4	3.1	3.2	3.2	3.2	3.1	2.9	2.6
Met	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tyr	1.6	1.7	1.8	1.8	1.6	1.7	1.5	1.5	1.1	1.9	1.2	1.1	1.1	1.1	0.9	0.5
Phe	2.9	2.7	2.4	2.4	2.4	2.3	2.3	1.5	1.5	4.2	3.6	2.9	2.8	2.9	3.1	2.9
Ser	8.0	7.9	7.8	7.9	8.0	8.1	8.4	8.4	8.4	8.1	7.1	7.2	7.0	7.7	8.0	8.2
Thr	7.7	7.5	7.7	7.4	7.5	7.3	7.3	7.3	6.5	6.8	7.1	6.9	7.2	7.1	7.0	7.4
Gly	16.2	17.6	18.1	18.6	19.4	19.9	22.3	22.0	22.8	20.0	20.5	20.2	20.7	21.1	21.7	23.8
Ala	11.8	16.2	16.1	14.6	14.1	13.8	14.1	14.2	13.5	9.6	10.1	10.5	11.3	10.7	10.7	10.6
Val	6.4	6.7	7.0	7.2	7.4	7.1	6.0	6.3	6.1	6.7	6.6	6.9	6.0	6.0	6.0	5.9
Ileu	4.4	3.4	3.1	2.8	2.4	2.3	2.3	2.2	2.0	5.0	5.1	4.8	4.8	4.5	4.5	4.7
Leu	5.0	3.9	3.8	4.2	4.0	3.8	3.3	3.3	3.4	6.8	6.8	6.9	6.2	6.3	5.5	3.7
Mol percentage (%) of TDNS																
Fuc	20.3	19.0	19.7	19.2	19.5	19.4	18.2	18.2	18.9	15.0	14.0	15.2	16.9	17.8	17.6	15.9
Rha	8.9	9.6	9.4	9.4	9.5	9.2	10.6	11.4	11.6	11.9	11.6	10.9	13.5	15.2	14.2	14.5
Ara	14.5	14.9	14.8	14.9	14.7	14.6	13.5	12.9	12.3	11.0	10.1	10.8	12.9	13.2	13.3	13.7
Gal	16.2	15.1	15.0	15.8	15.7	17.6	15.3	14.8	14.9	21.4	15.6	14.9	14.9	15.2	15.0	15.1
Glu	9.3	8.9	9.2	9.2	9.0	9.5	6.4	7.3	8.1	19.5	28.6	26.9	17.4	14.0	14.2	13.9
Man	16.0	17.3	16.9	16.8	16.5	15.4	20.1	19.3	18.1	13.9	13.2	14.1	15.8	16.4	17.0	18.1
Xys	20.3	19.0	19.7	19.2	19.5	19.4	18.2	18.2	18.9	15.0	14.0	15.2	16.9	17.8	17.6	15.9