

Supplementary Materials:

Table S1. Chemical composition of extracts of green tea, algae *Fucus vesiculosus* and lichen *Cetraria islandica*, mg/g dry matter.

	Green tea	<i>Fucus vesiculosus</i>	<i>Cetraria islandica</i>
Carbohydrates			
Fructose	8.88	0.37	1.70
Glucose	7.99	0.59	18.41
Maltose	0.24	0.00	0.00
Mannose	1.74	0.51	0.00
Raffinose	3.07	0.00	0.00
Organic acids			
Acetic	9.55	8.34	11.61
Citric	0.00	0.97	2.41
Fumaric	0.00	0.00	0.13
Isocitric	0.00	0.00	1.14
α -Ketoglutaric	0.00	0.00	1.46
Quinic	27.85	0.00	0.00
Isovaleric	0.39	0.00	0.00
Caprylic	0.21	0.00	0.00
Gluconic	0.28	0.00	0.00
Glucuronic	0.13	0.00	0.00
Amino acids			
Alanine	0.00	0.52	0.00
Glutamic acid	0.00	2.47	0.00
Glycine	0.00	0.00	0.14
Phenolic acids			
3-Hydroxyphenylacetic acid	0.27	0.00	0.25
4-Coumaric acid	0.00	0.00	18.88
Ferulic acid	0.00	0.00	0.62
Chlorogenic acid	0.16	0.00	0.00
Gallic acid	1.75	0.00	0.00
Polyols			
Glycerol	0.10	0.36	0.53
Mannitol	0.37	0.00	0.00
Myo-inositol	4.02	0.00	0.00
Fatty alcohols			
Hexadecanol	0.14	0.00	0.00
Fitol	0.12	0.00	0.00
Flavonoids			
Catechin	2.24	0.00	0.00

Table S2. Chemical composition of kombucha samples, mg/g dry matter.

	Kombucha sample							
	K		KF		KC		KFC	
	Fermentation day							
	0	12	0	12	0	12	0	12
Carbohydrates								
Fructose	0.54	54.18	0.60	5.68	0.56	49.40	0.58	7.02
Glucose	0.69	24.50	0.89	2.84	0.84	23.54	0.83	5.23
Mannose	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73
Raffinose	1.03	1.39	1.03	1.31	1.03	1.22	1.02	1.15
Sucrose	943.40	883.1	960.24	926.0	967.37	831.7	941.28	863.7
Organic acids								
Acetic	3.91	4.44	3.81	8.94	3.65	5.12	4.09	6.68
Citric	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00
Formic	0.00	0.00	0.00	1.21	0.00	2.14	0.00	0.00
Isocitric	0.00	0.00	1.43	0.00	0.89	0.00	0.00	0.00
Gluconic	0.00	1.28	0.00	1.85	0.00	1.38	0.00	1.92
Pyruvic	0.00	3.65	0.00	0.00	0.00	0.00	0.00	0.00
Quinic	1.75	0.67	1.91	0.00	1.84	1.10	1.94	0.00
Isovaleric	0.08	0.00	0.09	0.00	0.09	0.00	0.10	0.00
Caprylic	0.08	0.00	0.06	0.00	0.06	0.00	0.07	0.00
Propionic	0.00	0.00	0.01	0.00	0.00	0.00	0.04	0.00
Orotic	0.00	0.48	0.00	1.08	0.00	0.23	0.00	0.88
Amino acids								
Alanine	0.00	0.40	0.00	0.00	0.00	0.38	0.00	0.00
Glycine	0.00	0.20	0.00	0.24	0.00	0.15	0.00	0.00
Lysine	0.00	0.00	0.00	0.00	0.56	0.00	1.22	0.00
Phenolic acids								
3-Hydroxy-phenylacetic acid	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00
4-Coumaric acid	0.00	0.09	0.00	1.50	0.00	0.00	0.00	1.61
Ferulic acid	0.00	0.22	0.00	0.00	0.00	0.24	0.00	0.26
Polyols								
Glycerol	0.22	0.58	0.00	1.34	0.00	0.47	0.00	1.23
Mannitol	0.00	0.00	0.57	0.00	0.00	0.00	0.50	0.00
Myo-inositol	0.27	0.00	0.30	0.00	0.29	0.00	0.31	0.00