Supplemental Table S1. Effect of seed source on organic acid accumulation and LAB community structure.

Seed Source	Abandance After 1 week (%)				Lactate	Butyrate
	Fc-Hetero-LAB	Ob-Hetero-LAB	Homo-LAB	Non-LAB	(g/L)	(g/L)
Compost 1	66.4	26.6	3.4	3.6	25.2	ND
Japanese Pickles 1	40	53.9	1.8	4.3	25.1	ND
Japanese Pickles 2	58.1	30.3	6.8	11.6	24.5	ND
Japanese Pickles 3	67.4	26.9	2.8	2.9	23.9	ND

Minced kitchen refuse medium (500ml in 1 L capped bottle, pH 7.0) [11] was inoculated by either of four kinds of commercial product for microbial seed (5g), which was statically incubated at 30°C. After 24 and 48 h, the medium was mixed and neutralized using spatula and 10N NaOH. After 1 week incubation, bacterial community structure and concentration of organic acid in supernatant were analyzed as described in Materials and Methods.