

Table. S1. The alpha diversity of microorganism in LXH during aging time

	Bacteria					Fungi				
	reads	chao1	richness	shanno n_2	simpso n	reads	chao1	richness	shann on_2	simps on
CT	98044.33±	560.77±	556.67±	3.88±	0.19±	61352.33±	128.8±	127±	3.29±	0.18±
	29894.46a	101.13a	100.13a	1.14abc	0.16abc	9019.14a	5.55a	6.24a	0.33a	0.08a
1Y-1	109097±	592.1±	586±	4.7±	0.07±	80611±	128.53	125.33	2.65±	0.36±
	5526.68a	54.33a	56.32a	0.02a	0c	63119.69a	±3.33a	±4.04a	1.17a	0.3a
1Y-2	103969±	562.2±	557.33±	4.2±	0.12±	75646±	127.7±	125.67±	2.95±	0.28±
	39936.32a	103.44a	102.14a	0.75ab	0.07bc	10790.4a	15.78a	14.19a	0.61a	0.12a
2Y-1	159065.33±	540.43±	537±	3.19±	0.27±	58139.33±	123.1±	122±	2.4±	0.4±
	108870.1a	67.48a	67.73a	0.79bc	0.12ab	11162.79a	15.39a	15.72a	0.64a	0.1a
2Y-2	108251.67±	539.73±	536.33±	2.85±	0.31±	85180.33±	128.03	127±	2.96±	0.28±
	10568.74a	25.43a	27.68a	0.25c	0.06a	13865.07a	±2.1a	2.65a	0.4a	0.11a
3Y-1	101927.33±	558.1±	553±	3.69±	0.16±	58890.67±	127.4±	126±	3.03±	0.2±
	13695.98a	11.19a	12.17a	0.53abc	0.09abc	32165.57a	8.25a	7.55a	0.36a	0.01a
3Y-2	109599.33±	602.27±	596.67±	4.2±	0.11±	48525.67±	123.17	122±	2.86±	0.23±
	9354.24a	10.46a	10.69a	0.2ab	0.01c	4356.63a	±3.26a	4.58a	0.54a	0.09a

The code refers to the collected sample time, e.g., 1Y-1 refer to the sample collected in the early of first year and 1Y-2 refer to the sample collected in the later of first year. Other samples were named as well. a, b, c, d, e, Statistical analysis was performed using one-way ANOVA (Duncan's test, Tukey's test, $p < 0.05$).