

Table S1. Difference in alpha diversity of microbial community during Yangfan *Douchi* fermentation

Sam- ple	Diversity index						Abundance index			
	Shannon		Simpson		Chao1		Ace		Coverage	
	Bacte- ria	Fungi	Bacte- ria	Fungi	Bacte- ria	Fungi	Bacteria	Fungi	Bacteria	Fungi
D0-1	2.23	1.21	0.21	0.59	422.40	70.50	459.38	70.97	99.84%	99.99%
D0-2	2.15	1.77	0.52	0.37	1271.55	64.14	1281.96	65.32	99.90%	99.99%
D0-3	0.79	1.72	0.76	0.43	522.22	85.00	667.79	81.74	99.77%	99.99%
D3-1	3.03	0.00	0.13	1.00	705.78	6.33	712.14	8.00	99.71%	99.99%
D3-2	2.74	0.41	0.14	0.81	465.02	10.00	474.31	12.75	99.87%	99.99%
D3-3	1.29	0.36	0.65	0.80	852.87	13.00	862.53	15.44	99.80%	99.99%
D5-1	3.00	0.88	0.09	0.72	573.16	68.00	593.76	68.00	99.80%	100.00%
D5-2	0.31	0.52	0.92	0.82	278.85	71.20	270.28	69.89	99.89%	99.99%
D5-3	1.83	0.93	0.29	0.51	363.73	88.43	374.00	88.56	99.84%	99.99%
D20-1	3.09	0.31	0.09	0.88	421.87	44.20	415.54	44.73	99.91%	99.99%
D20-2	2.91	0.19	0.12	0.94	405.65	41.00	410.43	41.71	99.90%	99.98%
D20-3	1.97	0.75	0.26	0.58	312.90	37.00	402.92	36.85	99.83%	99.97%
D35-1	0.60	1.15	0.71	0.59	109.43	75.50	200.56	72.57	99.91%	99.99%
D35-2	3.06	1.99	0.10	0.24	417.33	59.00	418.98	59.00	99.87%	100.00%
D35-3	2.57	2.21	0.14	0.21	336.68	64.00	353.40	62.97	99.87%	99.99%