

Table S2 The concentration of free amino acid in Suancai fermented with different autochthonous LABs.

Samples	CON	LP	LB	LM
Asp	17.19 ± 0.09 ^a	8.62 ± 0.03 ^b	7.19 ± 0.02 ^d	7.79 ± 0.08 ^c
Thr	84.68 ± 0.31 ^a	73.84 ± 0.73 ^b	44.80 ± 0.28 ^c	45.15 ± 0.25 ^c
Ser	9.82 ± 0.06 ^b	10.50 ± 0.02 ^a	9.80 ± 0.08 ^b	7.30 ± 0.07 ^c
Glu	26.11 ± 0.04 ^c	28.65 ± 0.08 ^b	30.20 ± 0.14 ^a	22.86 ± 0.26 ^d
Pro	5.76 ± 0.02 ^d	20.67 ± 0.30 ^b	21.87 ± 0.29 ^a	16.77 ± 0.16 ^c
Gly	8.12 ± 0.02 ^a	6.03 ± 0.02 ^b	5.23 ± 0.03 ^c	4.77 ± 0.05 ^d
Ala	41.86 ± 0.09 ^a	33.69 ± 0.11 ^b	29.39 ± 0.16 ^c	21.92 ± 0.26 ^d
Cys	0.91 ± 0.01 ^a	0.07 ± 0.00 ^b	nd	0.07 ± 0.00 ^c
Val	10.91 ± 0.01 ^a	7.75 ± 0.02 ^b	6.88 ± 0.02 ^c	6.27 ± 0.07 ^d
Met	1.51 ± 0.00 ^a	1.13 ± 0.01 ^b	0.89 ± 0.02 ^c	0.83 ± 0.01 ^d
Ile	7.27 ± 0.01 ^a	4.53 ± 0.01 ^b	3.67 ± 0.02 ^c	3.38 ± 0.04 ^d
Leu	10.72 ± 0.02 ^a	8.18 ± 0.30 ^b	7.05 ± 0.02 ^c	6.31 ± 0.10 ^d
Tyr	0.30 ± 0.00 ^c	4.07 ± 0.47 ^a	3.16 ± 0.01 ^b	3.04 ± 0.19 ^b
Phe	5.88 ± 0.05 ^d	61.76 ± 0.91 ^b	67.05 ± 0.33 ^a	41.12 ± 0.40 ^c
Lys	15.55 ± 0.00 ^a	3.34 ± 0.24 ^b	1.94 ± 0.00 ^d	2.31 ± 0.02 ^c
His	5.55 ± 0.02 ^a	1.53 ± 0.06 ^b	1.38 ± 0.00 ^c	1.13 ± 0.01 ^d
Arg	nd	6.45 ± 0.04 ^a	nd	nd
Total	251.14 ± 0.68 ^b	280.81 ± 1.71 ^a	240.50 ± 0.99 ^c	191.02 ± 1.67 ^d

Values are means ± standard deviation and are expressed as mg/L. Different superscript letters in a row indicate significant differences ($p < 0.05$). CON, natural fermented Suancai. LP, LB and LM represent the inoculated Suancai with *Lb. plantarum*, *Lb. brevis* and *Leu. mesenteroides*.