

Correlation analysis of microbiota and volatile flavor compounds of Caishiji soybean paste

Supplementary Material:

Figures

Figure S1 Multi-point sampling (a) and numbers of different VFCs (b) of Caishiji soybean paste in different fermentation stages.

Figure S2 Contents of main volatile components of Caishiji soybean paste in different fermentation stages (a: alcohols, b: esters, c: aldehydes, d: miscellaneous).

Figure S3 Simpson curves of the bacteria (a) and fungi (b) of Caishiji soybean paste in different fermentation stages.

Table

Table S1 Alpha diversity index of bacteria of Caishiji soybean paste in different fermentation stages

Table S2 Alpha diversity index of fungi of Caishiji soybean paste in different fermentation stages

Figure S1

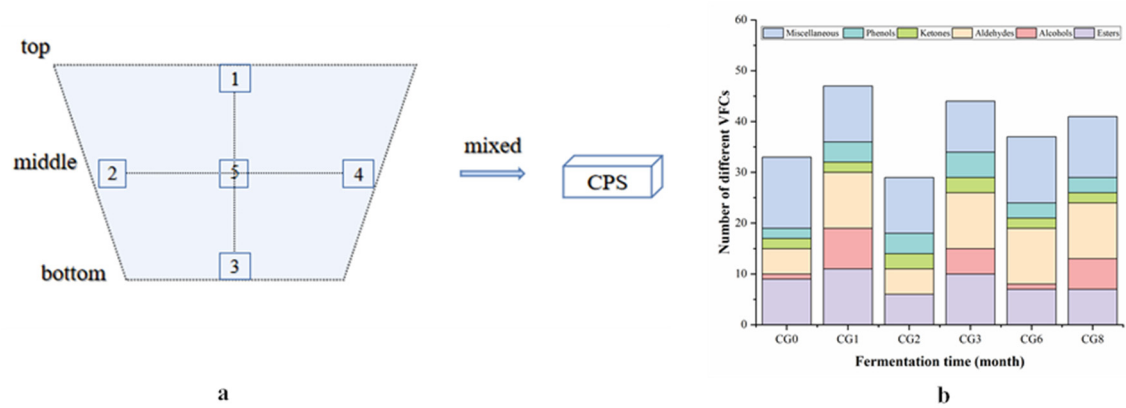


Figure S2

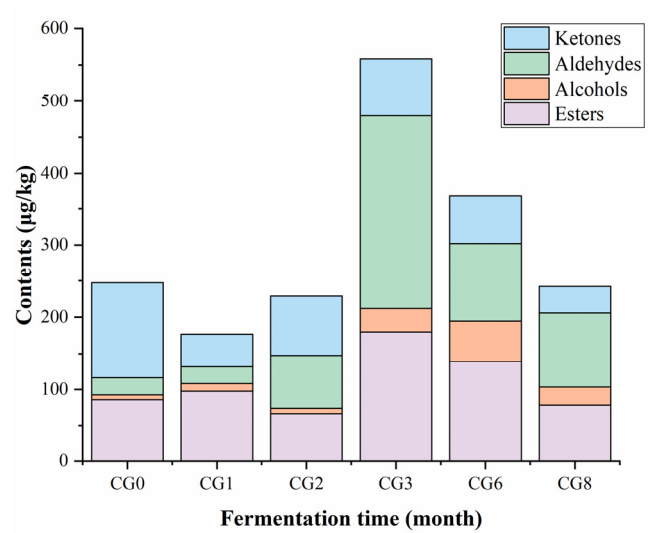
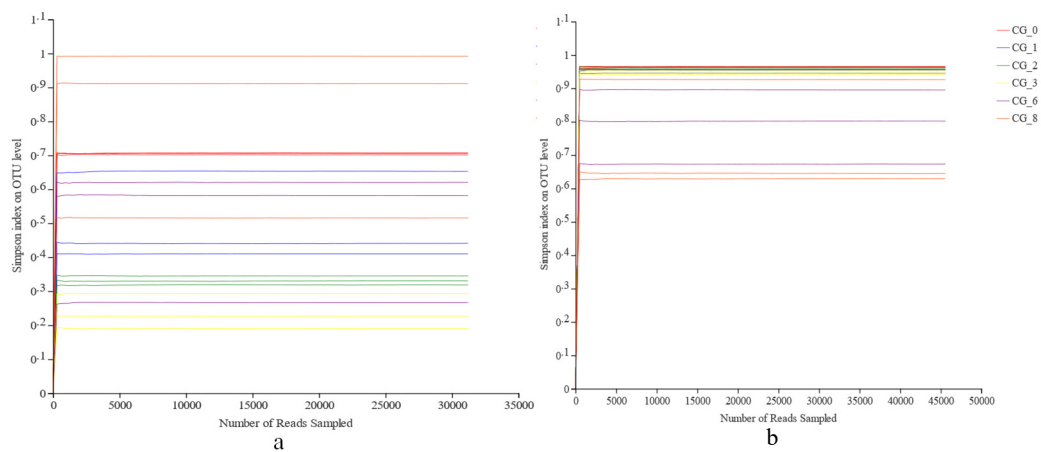


Figure S3



Table

Table S1

0.97						
Sample	OTU	Shannon	Simpson	Ace	Chao	coverage
CG0	47	0.84±0.009 ^{cd}	0.70±0.003 ^{ab}	144.94±38.647 ^b	111.96±13.080 ^b	0.99
CG1	74	1.07±0.233 ^{bc}	0.50±0.132 ^{bc}	131.35±43.105 ^b	76.02±19.558 ^c	0.99
CG2	80	1.64±0.016 ^b	0.33±0.013 ^c	117.98±33.338 ^b	108.20±26.280 ^b	0.99
CG3	198	2.24±0.145 ^a	0.24±0.052 ^c	276.06±33.021 ^a	248.72±12.591 ^a	0.99
CG6	187	1.39±0.500 ^{bc}	0.49±0.194 ^{bc}	241.79±3.873 ^a	225.35±4.476 ^a	0.99
CG8	32	0.47±0.548 ^d	0.81±0.255 ^a	49.70±25.031 ^c	38.34±16.377 ^c	0.99

† Values represent means ± SD. Means with different superscript letters are significantly different horizontally (one-way analysis of variance; P<0.05).

Table S2

0.97						
Sample	OTU	Shannon	Simpson	Ace	Chao	coverage
CG0	5	0.09±0.003 ^b	0.96±0.002 ^a	5.59±2.504 ^c	4.17±1.258 ^d	0.99
CG1	17	0.12±0.012 ^b	0.95±0.006 ^a	30.24±11.588 ^b	24.53±6.562 ^b ^c	0.99
CG2	8	0.10±0.005 ^b	0.96±0.003 ^a	10.31±10.325 ^c	5.67±3.055 ^{cd}	0.99
CG3	38	0.15±0.021 ^b	0.95±0.007 ^a	70.87±6.243 ^a	59.28±8.979 ^a	0.99
CG6	67	0.60±0.240 ^a	0.79±0.112 ^b	79.39±19.113 ^a	76.53±22.931 ^a	0.99
CG8	32	0.77±0.480 ^a	0.73±0.167 ^b	29.43±5.273 ^b	29.17±5.008 ^b	0.99

† Values represent means ± SD. Means with different superscript letters are significantly different horizontally (one-way analysis of variance; P<0.05).