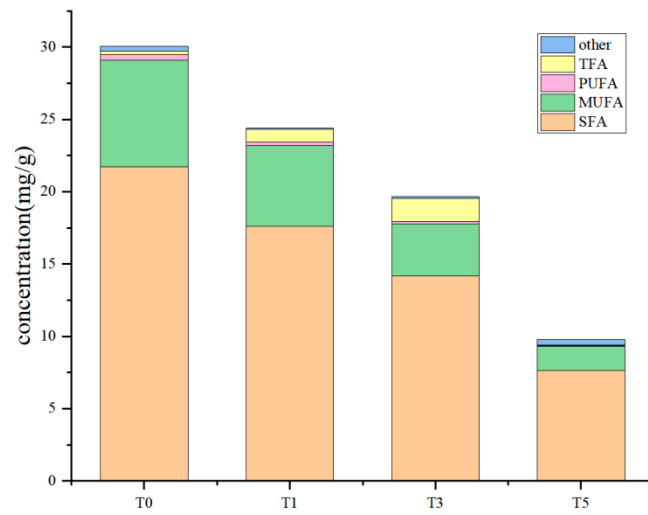


Table S1. Standard curves of aroma-active compounds.

Compound	Standard Curve	R <sup>2</sup>	LOD	LOQ
			(mg/kg)	(mg/kg)
Hexanal	$y = 0.69487x - 0.07866$	0.99964	1.19	3.97
1-Penten-3-ol	$y = 0.09988x + 0.00404$	0.99621	0.58	1.94
Heptanal	$y = 0.14389x - 0.00251$	0.99865	0.50	1.65
D-Limonene	$y = 0.56831x - 0.01224$	0.99869	0.49	1.63
(E)-2-Hexenal	$y = 0.15672x + 0.00033$	0.99796	0.21	0.69
2-pentylfuran	$y = 0.58169x - 0.01897$	0.99894	0.08	0.25
1-Pentanol	$y = 0.15509x - 0.00226$	0.99851	0.40	1.34
2-Octanone	$y = 0.28257x - 0.00668$	0.99875	0.13	0.43
Octanal	$y = 0.21745x - 0.01109$	0.9982	0.91	3.03
(E)-2-Heptenal	$y = 0.23307x - 0.00256$	0.99962	0.32	1.06
2-Nonanone	$y = 0.52404x - 0.04584$	0.99407	0.53	1.77
Nonanal	$y = 0.843x - 0.09298$	0.99326	0.39	1.30
(E)-2-Octenal	$y = 0.38068x - 0.03393$	0.99383	0.11	0.38
1-Octen-3-ol	$y = 0.31183x - 0.00656$	0.9994	0.55	1.83
1-Heptanol	$y = 0.32085x - 0.0129$	0.99848	0.10	0.35
(E,E)-2,4-Heptadienal	$y = 0.28538x + 0.11322$	0.99483	0.17	0.57
Decanal	$y = 0.29125x - 0.02488$	0.99718	0.55	1.83
Benzaldehyde	$y = 0.6488x - 0.01042$	0.99935	1.16	3.88
(E)-2-Nonenal	$y = 0.37671x - 0.01913$	0.99796	0.68	2.25
Propanoic acid	$y = 0.13163x + 0.02013$	0.99187	0.24	0.81
1-Octanol	$y = 0.33019x - 0.01765$	0.99833	0.69	2.31
Gamma-Valerolactone	$y = 0.17123x - 0.00477$	0.99842	0.32	1.08
Butanoic acid	$y = 0.32623x - 0.02181$	0.99786	0.33	1.10
Gamma-Hexalactone	$y = 0.31295x + 0.00503$	0.99687	0.10	0.33
Pentanoic acid	$y = 0.14903x - 0.00384$	0.99976	0.68	2.28
Gamma-Heptalactone	$y = 0.48038x - 0.02853$	0.99685	0.16	0.52
(E,E)-2,4-Decadienal	$y = 0.31049x - 0.0006875$	0.99799	0.08	0.27
Hexanoic acid	$y = 0.28146x - 0.00875$	0.99961	0.15	0.51
Gamma-Octalactone	$y = 0.66578x + 0.03967$	0.99762	0.25	0.84
Heptanoic acid	$y = 1.03952x - 0.19492$	0.9739	0.56	1.87
Octanoic acid	$y = 0.37274x - 0.05133$	0.99974	1.72	5.75
Nonanoic acid	$y = 0.38859x - 0.05638$	0.99984	0.23	0.76
n-Decanoic acid	$y = 0.70366x - 0.13311$	0.99938	0.70	2.35
Dodecanoic acid	$y = 0.83913x - 0.21726$	0.99936	1.04	3.47
Tetradecanoic acid	$y = 0.62483x + 0.1651$	0.99936	2.63	8.77



**Figure S1.** FFAs concentration histogram (SFA: saturated fatty acid, MUFA: monounsaturated fatty acid, PUFA: polyunsaturated fatty acid, TFA: trans fatty acid).