Table S3. The relative content (μg/g DW) of aroma components in different spreading samples.

Compound Name	RT	RI	0 h	CK-7 h	LTD-14 h	LTY-18 h	LTCD-48 h
3-Hexen-1-ol, (Z)-	4.54	856	0.088±0.007 d	0.715±0.048 a	0.53±0.027 b	0.344±0.018 c	0.323±0.027 c
2-Hexen-1-ol, (E)-	4.73	877	0.049±0.008 d	0.146±0.035 a	0.083±0.007 b	0.077±0.014 bc	0.074±0.009 c
Benzaldehyde	6.72	969	0.011±0.004 bc	0.015±0 b	0.025±0.005 a	0.027±0.006 a	0.025±0.005 a
1-Heptanol	6.86	974	0±0	0.214±0.004 a	0.101±0.019 b	0.093±0.018 b	0.069±0.007 c
2-Octen-1-ol, 3,7-dimethyl-	7.41	993	0.588±0.037 d	2.421±0.177 a	1.078±0.033 c	1.746±0.232 b	1.175±0.119 c
Octanal	7.82	1007	0.026±0.004 d	2.398±0.177 a	1.854±0.17 b	1.439±0.173 c	1.372±0.076 c
1-Hexanol, 2-ethyl-	8.53	1030	0.06±0.007 c	0.131±0.002 a	0.084±0.007 b	0.071±0.011 bc	0.07±0.015 bc
D-Limonene	8.65	1034	0.222±0.026 d	0.467±0.028 a	0.427±0.021 b	0.424±0.019 b	0.415±0.05 bc
trans-β-Ocimene	8.81	1049	0.241±0.037 cd	0.453±0.022 a	0.265±0.044 c	0.302±0.037 b	0.255±0.036 c
α-Pinene	9.17	1055	0.469±0.029 d	1.167±0.226 a	0.493±0.049 d	0.853±0.024 b	0.741±0.05 c
γ-Terpinene	9.61	1062	0.042±0.005 cd	0.05±0.011 c	0.056±0.006 bc	0.075±0.015 a	0.063±0.013 b
Linalool oxide I	10.07	1074	2.117±0.035 e	2.805±0.105 d	4.21±0.108 b	4.892±0.38 a	3.704±0.263 c
Linalool oxide II	10.7	1086	5.362±0.165 d	6.496±0.492 c	6.474±0.459 c	8.574±0.152 a	7.643±0.285 b
Linalool	11.33	1099	12.577±0.565 e	19.946±0.935 cd	21.957±0.482 c	39.654±2.994 a	38.66±0.436 ab
Hotrienol	11.47	1109	0.327±0.076 d	0.368±0.017 c	0.479±0.041 a	0.445±0.013 b	0.461±0.012 ab
Phenylethyl Alcohol	11.79	1116	1.876±0.142 d	1.877±0.108 d	2.594±0.154 c	3.641±0.338 a	3.201±0.179 b
α-ylangene	12.65	1136	0.032±0.007 d	0.131±0.017 b	0.081±0.013 c	0.177±0.017 a	0.153±0.026 ab
Caryophyllene oxide	13.18	1147	0.012±0.003 cd	0.077±0.004 a	0.02±0.005 c	0.053±0.005 b	0.018±0.003 c
α-Farnesene	13.45	1153	0.007±0.004 d	0.115±0.02 a	0.03±0.009 c	0.052±0.012 b	0.039±0.013 c
cis-11-Hexadecenal	13.76	1159	0.033±0.008 d	0.077±0.02 c	0.095±0.018 bc	0.155±0.017 a	0.117±0.018 b
Isopulegol	13.93	1162	0.023±0.007 c	0.032±0.005 b	0.037±0.008 b	0.073±0.012 a	0.068±0.002 a
2-Nonenal, (E)-	14.69	1177	0.082±0.005 d	0.24±0.018 c	0.224±0.011 c	0.535±0.008 a	0.334±0.02 b
Linalool oxide III	14.83	1179	0.663±0.033 e	0.736±0.023 d	1.673±0.029 b	2.211±0.116 a	1.306±0.113 c

Butanoic acid, 3-hexenyl ester, (E)-	15.39	1189	0.138±0.008 e	0.943±0.026 bc	1.123±0.18 b	1.875±0.05 a	0.274±0.017 d
Methyl salicylate	15.66	1194	1.309±0.071 d	2.455±0.086 c	3.695±0.285 b	4.562±0.145 a	2.354±0.196 c
Terpineol	15.87	1198	0.152±0.023 d	0.193±0.015 c	0.202±0.03 bc	0.39±0.019 a	0.234±0.029 b
Decanal	16.5	1210	0.057±0.006 d	0.059±0.015 d	0.098±0.017 c	0.152±0.034 a	0.139±0.023 ab
cis-β-Farnesene	17.06	1221	0.034±0.005 c	0.154±0.016 b	0.177±0.009 a	0.181±0.025 a	0.18±0.017 a
trans-Farnesol	17.82	1235	0.527±0.054 c	0.533±0.035 c	0.884±0.09 b	1.711±0.174 a	0.919±0.088 b
Geraniol	19.1	1258	10.168±0.751 e	17.801±0.688 cd	19.923±1.63 bc	28.759±2.48 a	21.862±1.552 b
Citral	20	1273	0.138±0.026 e	0.201±0.028 d	0.253±0.016 c	0.338±0.014 a	0.289±0.043 b
Indole	21.11	1295	0.222±0.03 de	1.758±0.177 c	2.705±0.103 b	3.017±0.247 a	0.331±0.02 d
Cedrol	21.67	1300	0.02±0.002 bc	0.044±0.014 a	0.048±0.005 a	0.048±0.013 a	0.031±0.05 b
Butanoic acid, 4-hexenyl ester, (Z)-	23.52	1339	0.032±0.003 b	0.134±0.016 a	0.04±0.012 b	0.032±0.003 b	0.032±0.003 b
Hexanoic acid, 3-hexenyl ester, (Z)-	25.97	1386	0.029±0.006 c	1.151±0.079 a	1.096±0.03 a	0.412±0.014 b	0.434±0.051 b
Jasmine	26.18	1394	0±0	0.137±0.006 b	0.157±0.01 a	0.168±0.032 a	0.142±0.025 b
Dodecanal	27.37	1413	0±0	0.026±0.003 b	0.028±0.005 b	0.042±0.006 a	0.036±0.003 ab
Coumarin	28.19	1430	0.024±0.003 b	0.028±0.005 ab	0.035±0.006 a	0.018±0.003 bc	0.022±0.004 b
Nerol	29.6	1457	0.014±0.008 c	0.017±0.002 bc	0.022±0.004 ab	0.027±0.004 a	0.02±0.009 b
2,4-Di-tert-butylphenol	32.32	1509	0.42±0.046 c	0.448±0.043 bc	0.556±0.023 a	0.447±0.037 bc	0.47±0.043 b
δ-Cadinene, (+)-	33.63	1539	0.032±0.007 d	0.047±0.014 c	0.057±0.009 b	0.076±0.01 a	0.056±0.015 b
Nerolidol	34.98	1568	0.22±0.042 e	0.328±0.017 cd	0.375±0.034 c	0.614±0.026 a	0.518±0.026 b
cis-3-Hexenyl benzoate	35.33	1575	0±0	0.024±0.004 c	0.048±0.014 b	0.072±0.016 a	0.044±0.015 b
Phytol	42.08	1871	0.029±0.008 d	0.046±0.007 ab	0.040±0.004 b	0.051±0.01 a	0.036±0.008 bc
Phytol, acetate	42.33	1888	0.018±0.001 bc	0.051±0.002 a	0.022±0.005 b	0.021±0.003 b	0.022±0.005 b
Total			39.78±2.632 e	67.84±3.836 cd	73.469±3.985 c	109.161±8.026 a	88.867±4.03 b

Note: The significance of difference was calculated *via* one-way analysis of variance (ANOVA, Duncan test) with a threshold $P < 0.05$; the relative content of compounds was expressed as average ± standard error (n=5). RT, retention time; RI, retention index; CK, the control (natural withering); LTD, low temperature plus dark; LTY, low temperature plus yellow light; LTCD, low temperature plus CO_2