

Supplementary materials:

Table S1. Apolar secondary metabolites identified in the leaf extracts of 13 cultivars of *C. morifolium* ($\mu\text{g g}^{-1}$)

NO.	Compounds	Retention Index ^a	Cultivars												
			Cm1	Cm2	Cm3	Cm4	Cm5	Cm6	Cm7	Cm8	Cm9	Cm10	Cm11	Cm12	Cm13
Terpenoids															
Monoterpenoids															
1	fenchone	938	1.95 ±0.54 ^a	2.05 ±1.00	5.76 ±2.97	1.98 ±0.03	ND	ND	5.73 ±3.58	ND	1.30 ±0.24	2.50 ±0.58	4.32 ±0.50	1.71 ±0.38	2.46 ±0.34
2	limonene	1033	ND ^b	ND	ND	ND	ND	ND	5.57 ±2.73	1.02 ±0.26	ND	ND	8.02 ±1.11	0.67 ±0.05	ND
3	1,8-cineole	1037	19.98 ±1.93	31.29 ±19.33	8.91 ±3.90	1.25 ±0.10	14.65 ±1.77	2.64 ±1.40	6.47 ±2.09	4.28 ±0.82	20.59 ±2.59	28.23 ±5.59	19.05 ±1.34	19.77 ±3.87	36.35 ±4.60
4	filifolone	1110	ND	ND	8.40 ±1.69 ^b	4.64 ±0.47	ND	ND	ND	ND	ND	ND	ND	4.92 ±2.35	16.53 ±1.95
5	allo-ocimene	1134	ND	ND	4.65 ±2.60	2.92 ±0.41	20.23 ±1.41	ND	1.62 ±0.38	ND	12.59 ±0.79	2.66 ±0.63	3.24 ±1.54	16.89 ±0.81	ND
6	camphor	1151	33.95 ±3.10	ND	2.90 ±0.89	ND	3.32 ±0.41	ND	17.51 ±4.73	1.69 ±0.41	44.51 ±3.48	8.20 ±1.46	11.48 ±1.15	4.69 ±0.14	3.79 ±0.59

7	endo-borneol	1172	51.03 ±4.50	16.99 ±8.91	10.27 ±1.40	ND	12.56 ±1.04	8.17 ±3.85	6.52 ±3.16	2.86 ±0.22	7.93 ±0.80	ND	50.51 ±4.33	19.13 ±1.99	ND	
8	(<i>E</i>)-ocimene	1247	ND	ND	4.52 ±0.84	2.47 ±0.32	ND	ND	ND	ND	ND	3.31 ±0.82	ND	ND	10.34 ±1.06	
9	isopiperitenone	1279	ND	ND	9.01 ±1.75	ND	ND	ND	ND	ND	ND	6.77 ±1.91	ND	ND	19.02 ±1.95	
Sesquiterpenoids																
10	β-elemene	1401	ND	ND	18.12 ±4.74	9.49 ±2.02	ND	20.88 ±3.11	20.27 ±4.73	25.96 ±4.91	84.42 ±5.30	12.79 ±4.84	33.21 ±3.58	11.50 ±6.29	39.65 ±3.82	
11	β-ylangene	1430	30.72 ±7.50	39.48 ±20.49	41.42 ±5.13	62.83 ±6.36	141.42 ±5.38	29.00 ±5.37	32.04 ±7.65	24.92 ±5.04	95.04 ±5.99	47.85 ±14.53	95.72 ±27.17	131.12 ±7.22	35.64 ±7.15	
12	epi-bicyclosesquiphellandrene	1440	8.98 ±2.13	12.49 ±6.90	11.91 ±3.53	11.64 ±1.72	31.42 ±2.15	7.71 ±1.47	8.70 ±2.13	9.30 ±2.33	18.75 ±1.88	13.13 ±3.69	36.53 ±12.79	30.51 ±1.19	14.91 ±2.69	
13	γ-murolene	1455	3.50 ±0.23	ND	4.57 ±1.60	4.64 ±0.58	11.70 ±0.79	2.70 ±0.48	3.00 ±0.76	3.36 ±0.96	6.88 ±0.70	4.94 ±1.53	13.80 ±5.01	11.23 ±0.39	5.47 ±0.91	
14	(<i>E</i>)-β-farnesene	1464	8.14 ±1.89	10.49 ±6.70	9.87 ±2.08	19.75 ±2.93	27.80 ±1.41	6.06 ±1.36	7.06 ±1.69	8.42 ±1.68	29.65 ±2.17	14.91 ±3.96	25.27 ±7.95	25.75 ±0.76	7.09 ±4.91	
15	germacra-1(10),4(15),5-triene	1488	21.55 ±3.62	ND	7.41 ±1.59	35.15 ±11.69	8.01 ±3.04	ND	ND	18.03 ±12.84	ND	10.24 ±7.87	7.33 ±4.08	7.37 ±0.03	ND	
16	α-curcumene	1491	32.05 ±5.69	37.49 ±19.03	49.78 ±9.06	64.97 ±2.15	148.68 ±8.55	23.01 ±2.88	24.72 ±4.88	37.43 ±4.95	84.83 ±54.05	79.32 ±31.77	126.57 ±24.09	156.06 ±23.80	43.16 ±9.63	
17	β-selinene	1494	4.53 ±1.09	ND	ND	15.04 ±2.65	ND	ND	ND	ND	13.06 ±0.06	93.93 ±26.90	ND	ND	66.15 ±9.66	
18	zingiberene	1503	ND	ND	111.26 ±7.00	184.02 ±35.24	116.33 ±22.98	ND	7.99 ±2.47	46.30 ±19.02	204.17 ±96.78	164.07 ±92.97	105.09 ±32.97	94.61 ±29.92	ND	

19	γ -cadinene	1508	1.91 \pm 0.83	5.79 \pm 2.85	7.29 \pm 1.85	ND	13.13 \pm 2.35	ND	ND	5.68 \pm 2.06	10.49 \pm 1.88	6.78 \pm 2.71	17.08 \pm 5.62	13.60 \pm 0.96	6.02 \pm 1.55
20	α -farnesene	1515	ND	29.66 \pm 20.44	22.72 \pm 5.45	38.25 \pm 3.37	51.08 \pm 2.90	14.18 \pm 2.48	8.46 \pm 2.97	11.68 \pm 0.66	10.55 \pm 0.59	42.40 \pm 13.01	21.56 \pm 2.30	46.02 \pm 3.13	9.25 \pm 1.91
21	β -sesquiphellandrene	1532	47.25 \pm 12.11	4.46 \pm 3.07	5.86 \pm 1.00	119.43 \pm 13.50	24.08 \pm 0.57	10.37 \pm 0.77	ND	29.16 \pm 3.41	129.61 \pm 5.68	18.97 \pm 4.90	9.90 \pm 1.18	20.93 \pm 1.67	ND
22	germacrene D-4-ol	1587	ND	9.70 \pm 5.11	9.16 \pm 3.54	ND	27.64 \pm 1.72	ND	ND	ND	16.81 \pm 3.76	9.64 \pm 2.63	11.51 \pm 5.26	24.36 \pm 1.44	12.20 \pm 1.57
23	α -patchoulene	1605	ND	24.39 \pm 11.73	ND	ND	ND	18.89 \pm 2.51	18.23 \pm 4.56	ND	28.52 \pm 1.69	12.21 \pm 2.98	ND	ND	ND
24	selina-6-en-4-ol	1668	15.99 \pm 3.82	20.57 \pm 13.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25	longifolenaldehyde	1745	8.41 \pm 0.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diterpenoids															
26	phytol	2120	23.85 \pm 2.81	14.69 \pm 14.34	18.16 \pm 8.70	16.53 \pm 3.70	7.35 \pm 1.22	23.55 \pm 13.78	27.08 \pm 10.27	17.65 \pm 2.85	9.32 \pm 3.54	ND	ND	5.58 \pm 3.85	45.81 \pm 27.39
Fatty acid derivatives															
27	1-octanol, 2-butyl-	1085	ND	16.85 \pm 12.35	ND	ND	ND	ND	ND	1.82 \pm 0.26	ND	ND	ND	ND	ND
28	tetradecane, 2,6,10-trimethyl-	1497	43.74 \pm 3.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
29	cryptomeridiol	1826	7.59 \pm 2.12	ND	ND	ND	ND	ND	1.98 \pm 1.22	ND	ND	10.89 \pm 1.60	ND	ND	ND

^a Mean SD, the mean values received by three samples from the same origin.

^b Not detected.