

Table S1. Phytochemical composition, identification and major groups of chemical components (%) of essential oil (EO) of *Micromeria cristata* ssp. *cristata* (Mc), and *M. cristata* ssp. *kosaninii* (McK).

			Sample and yield					
			Mc1	Mc2	Mc3	Mc4	Mc5	McK
			0.96	0.87	0.9	1.02	1.06	0.86
Component	RI ^a	RI ^b	EO±SD	EO±SD	EO±SD	EO±SD	EO±SD	EO±SD
MH			12	10.67	10.99	8.14	5.77	1.13
α -Pinene*	938	1025	0.20±0.02	0.67±0.01	0.58±0.01	0.50±0.01	-	-
Verbenene	960	1121	3.52±0.01	3.22±0.01	4.52±0.01	4.36±0.01	0.61±0.01	-
Camphene*	962	1056	1.75±0.01	0.79±0.02	0.52±0.02	0.64±0.02	3.91±0.01	-
Sabinene	971	1126	-	-	-	-	0.52±0.02	0.32±0.01
β -Pinene	982	1092	1.12±0.01	0.53±0.01	0.32±0.01	0.44±0.01	-	0.55±0.03
Myrcene*	992	1173	0.32±0.02	-	-	0.46±0.01	0.41±0.01	-
δ -3-Carene	1008	1147	-	-	-	-	0.32±0.01	-
α -Terpinene	1016	1192	0.87±0.01	-	-	-	-	-
β -Phellandrene	1025	1208	0.92±0.01	0.26±0.01	-	-	-	-
Limonene	1032	1204	0.43±0.01	0.75±0.01	1.35±0.01	-	-	-
γ -Terpinene	1057	1225	1.22±0.05	2.24±0.02	1.93±0.01	0.87±0.01	-	0.26±0.01
cis-Sabinene hydrate	1065	1456	1.43±0.01	2.21±0.01	1.54±0.01	0.73±0.01	-	-
allo-Ocimene	1128	1370	0.22±0.01	-	0.23±0.02	0.14±0.01	-	-
OM			36.98	38.25	42.94	40.76	39.33	28.97

<i>trans</i> -Linalool oxide *	1088	1434	0.12±0.01	0.32±0.02	0.41±0.01	-	0.53±0.01	-
Linalool*	1099	1548	0.82±0.01	0.52±0.01	-	-	-	1.32±0.01
<i>cis-p</i> -Menth-2- <i>en</i> -1-ol	1118	1600	-	-	0.31±0.01	-	-	3.95±0.01
β -Thujone	1121	1438	0.23±0.02	-	-	-	-	-
α -Campholenal	1129	1496	-	10.11±0.01	0.64±0.01	-	-	-
Isopulegol	1145	1564	-	-	-	-	-	0.83±0.01
<i>trans</i> -Pinocarveol	1147	1658	-	-	0.46±0.01	-	-	-
Menthone	1148	1462	-	-	-	-	-	0.44±0.03
Camphor*	1151	1499	2.17±0.01	4.34±0.01	3.25±0.01	0.22±0.01	0.61±0.01	-
Isoborneol	1155	1649	4.56±0.01	-	-	2.38±0.01	3.32±0.01	1.14±0.01
Pinocarvone	1160	1565	-	-	-	-	-	3.15±0.01
Borneol*	1176	1699	14.75±0.02	14.11±0.01	26.28±0.01	25.22±0.01	23.30±0.01	2.15±0.01
Terpinen-4-ol	1184	1601	2.31±0.01	1.61±0.05	0.73±0.01	0.42±0.01	0.39±0.01	1.65±0.01
α -Terpineol	1186	1686	0.22±0.01	0.53±0.01	0.44±0.01	-	0.25±0.03	0.54±0.01
Myrtenol	1197	1782	-	-	-	-	-	2.81±0.01
Verbenone	1204	1705	3.23±0.01	2.23±0.01	3.31±0.01	4.13±0.01	4.53±0.01	-
<i>trans</i> -Carveol	1215	1815	1.12±0.01	2.25±0.01	1.93±0.01	0.68±0.01	0.52±0.01	-
β -Cyclocitral	1223	1629	0.12±0.01	-	-	-	-	-
Pulegone	1233	1641	-	-	-	-	-	8.91±0.01
Piperitone	1250	1719	-	0.36±0.01	0.88±0.03	-	-	0.33±0.01
Linalyl acetate	1252	1553	0.11±0.01	0.65±0.03	-	1.66±0.01	0.62±0.01	0.82±0.01

Bornyl acetate	1285	1570	7.22±0.01	1.22±0.02	4.30±0.03	5.23±0.01	4.82±0.02	-
α -Terpenyl acetate	1349	1685	-	-	-	0.82±0.02	0.44±0.01	0.93±0.01
SH			15.27	13.18	8.48	11.91	11.25	13.24
α -Copaene	1377	1484	0.26±0.01	0.32±0.01	0.44±0.01	-	-	0.15±0.01
β -Bourbonene	1383	1508	1.15±0.01	0.32±0.01	0.21±0.01	0.25±0.01	0.25±0.01	0.35±0.03
β -Elemene	1389	1593	-	-	-	-	0.32±0.01	-
α -Gurjunene	1407	1520	0.16±0.02	0.93±0.01	0.15±0.01	-	-	0.91±0.01
<i>E</i> -Caryophyllene*	1424	1585	2.21±0.01	2.91±0.01	2.43±0.02	1.25±0.01	1.42±0.01	2.94±0.01
β -Copaene	1429	1584	0.41±0.01	1.65±0.01	0.43±0.01	0.45±0.01	0.21±0.01	1.15±0.01
<i>trans</i> - α -Bergamotene	1433	1580	0.61±0.01	0.28±0.01	0.33±0.01	1.26±0.01	1.10±0.01	0.23±0.01
(<i>Z</i>)- β -Farnesene	1454	1639	0.45±0.01	0.38±0.01	0.42±0.01	-	-	0.38±0.01
α -Humulene	1456	1654	0.16±0.01	0.26±0.01	0.13±0.01	1.25±0.01	1.31±0.01	-
<i>allo</i> -Aromadendrene*	1465	1662	1.17±0.03	1.34±0.03	0.72±0.01	-	-	1.91±0.01
β -Chamigrene	1477	1735	0.22±0.01	0.24±0.01	0.28±0.01	-	-	0.35±0.01
Germacrene D*	1481	1692	2.66±0.01	2.15±0.02	1.98±0.01	6.25±0.01	4.95±0.01	2.13±0.01
β -Bisabolene	1494	1729	1.22±0.02	0.21±0.03	0.43±0.01	-	0.31±0.01	0.21±0.01
Viridiflorene	1496	1697	1.54±0.01	1.26±0.01	-	-	-	1.18±0.01
Bicyclogermacrene	1500	1718	2.22±0.01	0.51±0.01	0.53±0.02	0.25±0.01	0.12±0.02	0.92±0.01
δ -Cadinene	1517	1745	0.83±0.01	0.42±0.01	-	0.95±0.01	1.26±0.01	0.43±0.01
OS			23.23	23.61	26.02	23.86	27.72	34.82
Spathulenol†	1577	2101	0.22±0.01	1.42±0.03	0.72±0.01	-	-	2.46±0.01

Caryophyllene oxide*	1581	1955	3.52±0.01	6.44±0.01	6.54±0.01	10.02±0.01	12.32±0.01	13.41±0.01
γ-Eudesmol	1632	2135	0.84±0.01	0.36±0.01	0.28±0.01	1.36±0.01	1.11±0.01	0.32±0.01
α-Muurolol	1645	2163	-	-	-	-	-	17.53±0.01
α-Cadinol	1655	2208	17.72±0.01	14.51±0.01	16.32±0.01	12.48±0.01	13.82±0.01	0.46±0.01
α-Bisabolol*	1688	2116	0.32±0.01	0.52±0.05	1.73±0.05	-	0.24±0.01	0.51±0.01
α-Bisabolol oxide	1748	2511	0.61±0.01	0.36±0.01	0.43±0.05	-	0.23±0.05	0.13±0.01
PC			0.32	1.58	1.13	0.86	0.95	1.23
Thymol*	1290	2198	0.32±0.01	1.58±0.01	1.13±0.01	0.86±0.01	0.95±0.01	1.23±0.02
CC			0.91	1.97	1.54	1.70	1.12	1.34
1-Octen-3-ol	974	1433	0.11±0.02	0.72±0.01	0.75±0.01	0.95±0.01	0.20±0.02	0.82±0.05
3-Octanol acetate	1125	1376	0.41±0.03	0.21±0.02	-	-	-	-
Isoamyl hexanoate	1256	1457	0.26±0.01	0.42±0.01	0.53±0.01	-	-	-
β-Ionone	1487	1924	0.13±0.01	0.62±0.01	0.26±0.01	0.75±0.01	0.92±0.01	0.52±0.01
H			3.14	3.58	3.09	3.30	4.86	11.50
Eicosane*	2000	2000	-	-	0.42±0.01	0.65±0.01	0.81±0.01	-
Heneicosane*	2100	2100	-	0.24±0.01	0.88±0.01	0.95±0.01	1.12±0.01	-
Docosane*	2200	2200	2.31±0.03	1.61±0.01	0.46±0.01	1.25±0.01	2.61±0.01	5.72±0.01
Tricosane*	2300	2300	0.18±0.01	0.42±0.01	0.71±0.01	0.45±0.01	0.32±0.01	0.42±0.01
Pentacosane*	2500	2500	0.22±0.05	0.33±0.01	-	-	-	0.27±0.01
Hexacosane*	2600	2600	0.12±0.03	-	-	-	-	4.52±0.03
Heptacosane*	2700	2700	0.31±0.02	0.26±0.01	0.62±0.02	-	-	0.33±0.01

Octacosane*	2800	2800	-	0.72±0.02	-	-	-	0.24±0.05
Total identified (%)			91.85	92.84	94.19	90.53	91.00	92.23

Retention indices were determined relative to a series of *n*-alkanes (C₈–C₄₀) on capillary columns VF5-ms (RI^a) and CP Wax 52 (RI^b); identification method: RI comparison of RIs with those listed in a homemade library; reported in the literature [87] and/or authentic samples; comparison of mass spectra with those in mass spectral libraries NIST02 [88] and Wiley 9; *, injection reference compounds; SD, standard deviation; MH, Monoterpene hydrocarbons; OM, Oxygenated monoterpenes; SH, Sesquiterpene hydrocarbons; OS, Oxygenated sesquiterpenes; PC, Phenolic compounds; CC, Carbonylic compounds; H, Hydrocarbons.