

**Table S6.** Phytochemical composition, identification and major groups of chemical components (%) of essential oil (EO) of *Micromeria longipedunculata* (MI) and *M. microphylla* (Mm).

			Sample and yield				
			MI1	MI2	MI3	MI4	Mm
			0.95	0.92	1.0	0.71	0.71
Component	RI <sup>a</sup>	RI <sup>b</sup>	EO±SD	EO±SD	EO±SD	EO±SD	EO±SD
<b>MH</b>			<b>5.81</b>	<b>4.52</b>	<b>3.24</b>	<b>10.36</b>	<b>20.56</b>
$\alpha$ -Pinene*	938	1025	0.53±0.03	1.21±0.01	0.84±0.03	0.93±0.01	2.62±0.01
Verbenene	960	1121	-	-	-	-	0.26±0.03
Camphene*	962	1056	-	-	-	-	0.45±0.01
$\beta$ -Pinene	982	1092	0.62±0.01	0.98±0.01	-	1.17±0.03	7.14±0.03
Myrcene	992	1173	0.36±0.01	0.42±0.01	0.31±0.01	0.72±0.01	2.24±0.01
$\alpha$ -Terpinene	1016	1192	-	-	-	-	0.73±0.01
p-Cymene	1021	1270	-	-	-	-	1.13±0.01
$\beta$ -Phellandrene	1025	1208	-	-	-	-	1.51±0.01
Limonene	1032	1204	3.25±0.01	1.03±0.05	0.85±0.01	6.24±0.01	2.33±0.01
(Z)- $\beta$ -Ocimene*	1052	1218	0.82±0.01	0.88±0.01	1.24±0.01	1.14±0.01	-
$\gamma$ -Terpinene	1057	1225	-	-	-	-	1.91±0.01
allo-Ocimene	1128	1370	0.23±0.01	-	-	0.16±0.01	0.24±0.01
<b>OM</b>			<b>30.80</b>	<b>30.73</b>	<b>35.89</b>	<b>30.13</b>	<b>16.89</b>
trans-Linalool oxide*	1088	1434	-	-	-	-	3.46±0.01
Linalool*	1099	1548	1.76±0.01	2.93±0.01	2.56±0.01	2.44±0.01	0.93±0.01

$\beta$ -Thujone	1121	1438	0.22±0.01	0.74±0.03	0.32±0.01	0.82±0.01	0.32±0.01
<i>trans</i> -Pinocarveol	1147	1658	1.56±0.01	2.02±0.01	0.76±0.01	0.37±0.01	0.45±0.01
Menthone	1148	1462	0.85±0.01	0.48±0.01	0.64±0.01	1.16±0.01	-
Camphor	1151	1499	0.34±0.01	-	0.55±0.03	-	-
Borneol*	1176	1699	0.37±0.01	-	-	0.28±0.01	1.26±0.01
Terpinen-4-ol	1184	1601	-	0.28±0.01	-	0.34±0.01	2.74±0.01
$\alpha$ -Terpineol	1186	1686	0.24±0.01	-	0.75±0.07	-	0.41±0.01
Myrtenol	1197	1782	0.71±0.01	1.04±0.01	0.33±0.03	0.25±0.01	2.54±0.01
<i>trans</i> -Carveol	1215	1815	-	-	0.28±0.01	-	1.91±0.01
<i>endo</i> -Fenchyl acetate	1218	1465	-	-	-	-	0.63±0.01
Pulegone	1234	1641	4.87±0.01	8.45±0.01	6.41±0.01	7.25±0.01	-
Piperitone	1250	1719	2.23±0.01	1.78±0.01	2.94±0.01	2.21±0.01	1.12±0.01
Bornyl acetate	1285	1570	0.35±0.01	-	0.36±0.01	-	0.34±0.03
Piperitonene	1340	1882	17.3±0.01	13.01±0.01	19.53±0.01	13.87±0.01	-
$\alpha$ -Terpenyl acetate	1349	1685	-	-	-	-	0.25±0.01
Neryl acetate	1358	1692	-	-	-	-	0.53±0.01
Piperitenone oxide	1366	1941	-	-	0.46±0.01	1.14±0.01	-
<b>SH</b>			<b>16.43</b>	<b>18.01</b>	<b>20.24</b>	<b>10.56</b>	<b>17.37</b>
$\alpha$ -Copaene	1377	1484	0.95±0.01	-	-	0.32±0.01	0.31±0.01
$\beta$ -Bourbonene	1383	1508	0.51±0.01	1.04±0.01	-	0.91±0.01	0.91±0.01
$\beta$ -Elemene	1389	1593	2.71±0.01	3.56±0.01	3.82±0.01	1.24±0.01	-

$\alpha$ -Gurjunene	1407	1520	-	-	-	-	0.25±0.01
<i>E</i> -Caryophyllene*	1424	1585	1.22±0.01	2.97±0.01	3.45±0.01	2.73±0.01	6.32±0.01
$\beta$ -Copaene	1429	1584	0.51±0.01	0.84±0.01	-	1.32±0.03	0.63±0.01
( <i>Z</i> )- $\beta$ -Farnesene	1454	1639	0.47±0.01	0.44±0.05	-	0.14±0.01	0.41±0.01
$\alpha$ -Humulene	1456	1654	0.15±0.01	1.87±0.01	2.04±0.01	1.25±0.01	0.18±0.01
<i>allo</i> -Aromadendrene*	1465	1662	1.17±0.01	0.09±0.01	2.44±0.01	-	3.81±0.01
$\beta$ -Chamigrene	1477	-	0.28±0.01	-	-	-	-
Germacrene D*	1481	1692	2.67±0.01	5.93±0.01	6.95±0.01	2.38±0.01	1.57±0.01
$\beta$ -Bisabolene	1494	1729	1.24±0.01	0.78±0.01	0.33±0.01	0.27±0.01	0.41±0.01
Viridiflorene	1496	1697	1.51±0.01	0.49±0.01	-	-	1.32±0.01
Bicyclogermacrene	1500	1718	2.21±0.01	-	1.21±0.01	-	1.25±0.01
$\delta$ -Cadinene	1517	1745	0.83±0.01	-	-	-	-
<b>OS</b>			<b>38.90</b>	<b>36.74</b>	<b>33.63</b>	<b>37.12</b>	<b>32.63</b>
Spathulenol*	1577	2101	36.71±0.01	36.02±0.01	31.98±0.01	32.41±0.01	3.93±0.01
Caryophyllene oxide*	1581	1955	0.32±0.01	0.48±0.01	0.36±0.01	-	4.82±0.01
$\gamma$ -Eudesmol	1632	2135	0.86±0.01	-	-	0.87±0.05	0.23±0.01
$\alpha$ -Cadinol	1655	2208	-	-	0.82±0.01	0.36±0.01	-
$\alpha$ -Bisabolol	1688	2116	0.35±0.01	0.24±0.01	0.26±0.01	1.16±0.01	0.74±0.03
Eudesm-7(11)-en-4-ol	1700	2251	-	-	-	-	22.91±0.01
$\alpha$ -Bisabolol oxide	1748	2511	0.66±0.01	-	0.21±0.01	2.32±0.01	-
<b>PC</b>			<b>0.84</b>	<b>1.70</b>	<b>-</b>	<b>0.10</b>	<b>2.81</b>

Thymol*	1290	2198	0.32±0.01	-	-	-	-
Carvacrol*	1298	2239	0.31±0.03	0.86±0.01	-	0.10±0.01	1.91±0.01
Eugenol*	1370	2175	0.21±0.01	0.84±0.01	-	-	0.90±0.01
<b>CC</b>			<b>0.67</b>	<b>-</b>	<b>-</b>	<b>0.92</b>	<b>0.66</b>
1-Octen-3-ol	974	1433	0.12±0.01	-	-	0.92±0.01	.
3-Octanol acetate	1125	1376	0.42±0.01	-	-	-	0.45±0.01
Isobutyl hexanoate	1155	-	-	-	-	-	0.21±0.03
β-Ionone	1487	1924	0.13±0.01	-	-	-	-
<b>H</b>			<b>0.71</b>	<b>1.98</b>	<b>0.89</b>	<b>2.71</b>	<b>6.73</b>
Eicosane*	2000	2000	-	-	-	0.21±0.03	-
Heneicosane*	2100	2100	-	-	-	0.12±0.01	-
Docosane*	2200	2200	0.35±0.01	-	0.89±0.01	1.14±0.01	4.41±0.01
Tricosane*	2300	2300	0.12±0.01	0.21±0.01	-	-	0.24±0.01
Tetracosane*	2400	2400	-	-	-	-	0.51±0.01
Pentacosane*	2500	2500	0.24±0.02	0.88±0.01	-	0.45±0.01	0.32±0.01
Hexacosane*	2600	2600	-	0.89±0.01	-	0.58±0.01	1.25±0.01
<b>Total identified (%)</b>			<b>94.16</b>	<b>93.68</b>	<b>93.89</b>	<b>91.90</b>	<b>97.65</b>

Retention indices were determined relative to a series of *n*-alkanes (C<sub>8</sub>–C<sub>40</sub>) on capillary columns VF5-ms (RI<sup>a</sup>) and CP Wax 52 (RI<sup>b</sup>); 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.