

**Table S3.** GC/MS identification information.

Metabolite	Formula	RT <sup>a</sup>	LRI <sup>b</sup>	Identification <sup>c</sup>
$\alpha$ -Pinene	C <sub>10</sub> H <sub>16</sub>	8.29	935	MS, Std, RI
$\beta$ -Pinene	C <sub>10</sub> H <sub>16</sub>	9.24	980	MS, Std, RI
$\beta$ -Myrcene	C <sub>10</sub> H <sub>16</sub>	9.47	990	MS, RI
3-Carene	C <sub>10</sub> H <sub>16</sub>	9.89	1004	MS, Std, RI
$\alpha$ -Phellandrene	C <sub>10</sub> H <sub>16</sub>	10.15	1009	MS, Std, RI
Limonene	C <sub>10</sub> H <sub>16</sub>	10.46	1015	MS, Std, RI
<i>trans</i> -Ocimene	C <sub>10</sub> H <sub>16</sub>	10.88	1023	MS, Std, RI
Eucalyptol	C <sub>10</sub> H <sub>18</sub> O	11.16	1028	MS, RI
$\gamma$ -Terpinene	C <sub>10</sub> H <sub>16</sub>	12.01	1044	MS, Std, RI
<i>trans</i> -Sabinene hydrate	C <sub>10</sub> H <sub>18</sub> O	12.54	1054	MS, RI
Fenchol	C <sub>10</sub> H <sub>18</sub> O	12.69	1115	MS, Std, RI
<i>trans</i> -2-Pinanol	C <sub>10</sub> H <sub>18</sub> O	12.91	1124	MS, RI
Terpinen-4-ol	C <sub>10</sub> H <sub>18</sub> O	14.41	1179	MS, RI
p-Cymenol	C <sub>10</sub> H <sub>18</sub> O	14.59	1186	MS, RI
$\alpha$ -Terpineol	C <sub>10</sub> H <sub>18</sub> O	14.77	1192	MS, Std, RI
$\alpha$ -Ylangene	C <sub>15</sub> H <sub>24</sub>	19.71	1379	MS, RI
Isocaryophyllene	C <sub>15</sub> H <sub>24</sub>	20.56	1412	MS, RI
$\beta$ -Caryophyllene	C <sub>15</sub> H <sub>24</sub>	21.23	1439	MS, Std, RI
$\alpha$ -Humulene	C <sub>15</sub> H <sub>24</sub>	22.01	1470	MS, Std, RI
Aromadendrene	C <sub>15</sub> H <sub>24</sub>	22.28	1481	MS, Std, RI
$\beta$ -Himachalene	C <sub>15</sub> H <sub>24</sub>	22.33	1483	MS, RI
4,11-Selinadiene	C <sub>15</sub> H <sub>24</sub>	22.40	1486	MS, RI
$\beta$ -Selinene	C <sub>15</sub> H <sub>24</sub>	22.48	1489	MS, RI
$\beta$ -Cadinene	C <sub>15</sub> H <sub>24</sub>	22.53	1491	MS, RI
$\alpha$ -Selinene	C <sub>15</sub> H <sub>24</sub>	22.76	1501	MS, RI
$\beta$ -Curcumene	C <sub>15</sub> H <sub>24</sub>	23.05	1513	MS, RI
(E)- $\gamma$ -Bisabolene	C <sub>15</sub> H <sub>24</sub>	23.33	1525	MS, RI
Cubenene	C <sub>15</sub> H <sub>24</sub>	23.43	1532	MS, RI
$\delta$ -Amorphene	C <sub>15</sub> H <sub>24</sub>	23.70	1541	MS, RI
Selina-3,7(11)-diene	C <sub>15</sub> H <sub>24</sub>	23.82	1546	MS, RI
Caryophyllene oxide	C <sub>15</sub> H <sub>24</sub> O	24.80	1588	MS, RI
Humulene epoxide II	C <sub>15</sub> H <sub>24</sub> O	25.69	1614	MS, RI
<i>trans</i> -Longipinocarveol	C <sub>15</sub> H <sub>24</sub> O	25.90	1619	MS, RI
Longifolenaldehyde	C <sub>15</sub> H <sub>24</sub> O	26.54	1633	MS, RI
Alloaromadendrene oxide	C <sub>15</sub> H <sub>24</sub> O	26.83	1640	MS, RI
$\alpha$ -Bisabolol	C <sub>15</sub> H <sub>26</sub> O	28.18	1671	MS, RI
Eudesm-7(11)-en-4-ol	C <sub>15</sub> H <sub>26</sub> O	28.40	1676	MS, RI
Clovanediol	C <sub>15</sub> H <sub>26</sub> O <sub>2</sub>	31,13	1881	MS, RI
Phytol	C <sub>20</sub> H <sub>40</sub> O	35.80	2081	MS, RI

Cannabidivarin	C <sub>19</sub> H <sub>26</sub> O <sub>2</sub>	37.18	2214	MS, RI
Cannabidiol (CBD)	C <sub>21</sub> H <sub>30</sub> O <sub>2</sub>	39.91	2425	MS, RI
$\Delta^9$ -Tetrahydrocannabinol (THC)	C <sub>21</sub> H <sub>30</sub> O <sub>2</sub>	40.79	2467	MS, RI
Cannabigerol (CBG)	C <sub>21</sub> H <sub>30</sub> O <sub>2</sub>	41.34	2493	MS, RI
Cannabinol	C <sub>21</sub> H <sub>26</sub> O <sub>2</sub>	41.70	2511	MS, RI
$\gamma$ -Tocopherol	C <sub>28</sub> H <sub>48</sub> O <sub>2</sub>	47.78	3026	MS, Std
$\alpha$ -Tocopherol	C <sub>29</sub> H <sub>50</sub> O <sub>2</sub>	49.44	3065	MS, Std
Campesterol	C <sub>28</sub> H <sub>48</sub> O	51.84	3215	MS, Std
$\gamma$ -Sitosterol	C <sub>29</sub> H <sub>50</sub> O	54.40	3256	MS, Std
$\alpha$ -Amyrin	C <sub>30</sub> H <sub>50</sub> O	55.49	3274	MS, Std

<sup>a</sup>RT, Retention Time (min), compounds are listed in order of their elution from HP-5MS column.

<sup>b</sup>LRI, Linear Retention Index on HP-5MS column experimentally determined using homologous series of C<sub>8</sub>-C<sub>34</sub> alkanes.

<sup>c</sup>Identification methods: MS, comparison of mass spectra with NIST11; Std, comparison of mass spectra with authentic standard compound; RI, comparison of experimental Retention Index with those reported in [55; 56].