

Supplementary Table 1. GC/MS analysis of the control and fractions of Azorean *Cryptomeria japonica* foliage essential oil obtained by HD.

Components	RI	Relative Content (%)						
		Control	Fr1	Fr2	Fr3	Fr4	Fr5	Fr6
Monoterpene Hydrocarbons								
Tricyclene	918	0.18 ± 0.01	0.91 ± 0.08	0.39 ± 0.06	0.20 ± 0.04	0.14 ± 0.04	0.17 ± 0.03	0.10 ± 0.03
alpha-Thujene	921	0.10 ± 0.01	0.57 ± 0.01	0.26 ± 0.01	0.15 ± 0.03	0.11 ± 0.01	0.14 ± 0.02	0.09 ± 0.00
alpha-Pinene	928	11.64 ± 0.15	54.18 ± 0.67	24.12 ± 0.51	12.48 ± 0.42	8.48 ± 0.45	10.15 ± 0.56	6.35 ± 0.38
alpha-Fenchene	942	0.01 ± 0.00	0.08 ± 0.00	0.04 ± 0.00	0.02 ± 0.00	0.02 ± 0.00	0.02 ± 0.00	0.01 ± 0.00
Camphene	944	1.07 ± 0.10	4.99 ± 0.13	2.60 ± 0.07	1.58 ± 0.07	1.07 ± 0.05	1.17 ± 0.07	0.60 ± 0.05
Sabinene	967	1.77 ± 0.05	10.25 ± 0.09	5.16 ± 0.67	2.29 ± 0.13	1.01 ± 0.11	0.79 ± 0.07	0.26 ± 0.01
beta-Pinene	972	0.71 ± 0.05	3.26 ± 0.15	1.95 ± 0.12	1.08 ± 0.06	0.64 ± 0.07	0.67 ± 0.07	0.35 ± 0.03
Myrcene	983	1.61 ± 0.08	7.45 ± 0.18	3.88 ± 0.11	2.07 ± 0.08	1.32 ± 0.08	1.45 ± 0.07	0.78 ± 0.02
alpha-Phellandrene	1002	0.01 ± 0.00	0.03 ± 0.00	0.02 ± 0.00	0.01 ± 0.00	0.01 ± 0.00	0.02 ± 0.00	0.01 ± 0.00
delta-3-Carene	1004	0.17 ± 0.02	1.10 ± 0.08	0.59 ± 0.01	0.31 ± 0.01	0.21 ± 0.00	0.25 ± 0.00	0.14 ± 0.00
alpha-Terpinene	1012	0.11 ± 0.00	0.15 ± 0.00	0.21 ± 0.01	0.24 ± 0.01	0.21 ± 0.01	0.25 ± 0.01	0.14 ± 0.00
para-Cymene	1019	0.01 ± 0.00	0.04 ± 0.00	0.03 ± 0.00	0.02 ± 0.00	0.02 ± 0.00	0.02 ± 0.00	0.01 ± 0.00
Limonene	1024	1.74 ± 0.09	7.16 ± 0.20	4.61 ± 0.16	2.52 ± 0.12	1.52 ± 0.09	1.57 ± 0.09	0.82 ± 0.07
beta-Phellandrene	1025	0.23 ± 0.01	0.95 ± 0.08	0.64 ± 0.08	0.34 ± 0.02	0.21 ± 0.01	0.23 ± 0.01	0.11 ± 0.01
gamma-Terpinene	1052	0.18 ± 0.04	0.25 ± 0.01	0.36 ± 0.03	0.38 ± 0.03	0.34 ± 0.03	0.40 ± 0.03	0.22 ± 0.01
Terpinolene	1080	0.14 ± 0.05	0.42 ± 0.04	0.37 ± 0.04	0.23 ± 0.01	0.16 ± 0.02	0.18 ± 0.02	0.10 ± 0.00
% Total MHs		19.68 ± 0.32	91.79 ± 0.94	45.23 ± 0.41	23.92 ± 0.31	15.47 ± 0.28	17.48 ± 0.34	10.09 ± 0.22
Oxygen-Containing Monoterpenes								
trans-Sabinene hydrate	1064	0.01 ± 0.00	0.02 ± 0.00	0.05 ± 0.00	0.03 ± 0.00	0.01 ± 0.00	0.00 ± 0.00	0.00 ± 0.00
Linalool	1094	0.10 ± 0.00	0.10 ± 0.00	0.41 ± 0.05	0.30 ± 0.04	0.11 ± 0.04	0.06 ± 0.00	0.02 ± 0.00
cis-Sabinene hydrate	1096	0.01 ± 0.00	0.01 ± 0.00	0.04 ± 0.00	0.03 ± 0.00	0.01 ± 0.01	0.01 ± 0.00	0.00 ± 0.00
cis-para-Menth-2-en-1-ol	1119	0.03 ± 0.00	0.00 ± 0.00	0.04 ± 0.00	0.02 ± 0.00	0.05 ± 0.00	0.04 ± 0.00	0.02 ± 0.00
trans-para-Menth-2-en-1-ol	1136	0.02 ± 0.00	0.00 ± 0.00	0.03 ± 0.00	0.01 ± 0.00	0.04 ± 0.00	0.03 ± 0.00	0.02 ± 0.00
Camphor	1141	0.05 ± 0.00	0.03 ± 0.00	0.13 ± 0.02	0.10 ± 0.00	0.03 ± 0.00	0.00 ± 0.00	0.01 ± 0.00
Camphene hydrate	1149	0.06 ± 0.00	0.03 ± 0.00	0.19 ± 0.03	0.16 ± 0.02	0.06 ± 0.00	0.03 ± 0.00	0.00 ± 0.00
Borneol	1166	0.06 ± 0.00	0.00 ± 0.00	0.06 ± 0.00	0.08 ± 0.00	0.05 ± 0.00	0.02 ± 0.00	0.01 ± 0.00
Terpinen-4-ol	1175	0.65 ± 0.08	0.17 ± 0.01	0.97 ± 0.06	1.40 ± 0.10	1.16 ± 0.09	0.98 ± 0.09	0.64 ± 0.08
alpha-Terpineol	1189	0.10 ± 0.00	0.00 ± 0.00	0.07 ± 0.00	0.14 ± 0.04	0.17 ± 0.07	0.18 ± 0.04	0.19 ± 0.05
trans-Piperitol	1203	0.01 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.01 ± 0.00	0.01 ± 0.00	0.00 ± 0.00	0.00 ± 0.00
Linalyl acetate	1243	0.05 ± 0.00	0.15 ± 0.04	0.21 ± 0.01	0.06 ± 0.00	0.02 ± 0.00	0.02 ± 0.00	0.02 ± 0.00
Bornyl acetate	1277	1.72 ± 0.10	2.32 ± 0.18	6.32 ± 0.26	3.92 ± 0.13	2.11 ± 0.11	1.48 ± 0.10	0.86 ± 0.07
Isobornyl acetate	1280	0.05 ± 0.00	0.05 ± 0.00	0.13 ± 0.00	0.09 ± 0.00	0.05 ± 0.00	0.03 ± 0.00	0.02 ± 0.00
alpha-Terpinyl acetate	1339	0.09 ± 0.00	0.08 ± 0.00	0.33 ± 0.04	0.20 ± 0.01	0.12 ± 0.02	0.07 ± 0.00	0.05 ± 0.00

% Total OCM		3.01 ± 0.09	2.96 ± 0.16	8.98 ± 0.35	6.55 ± 0.33	4.00 ± 0.27	2.95 ± 0.19	1.86 ± 0.14
Sesquiterpene Hydrocarbons								
delta-Elemene	1328	0.02 ± 0.00	0.02 ± 0.00	0.11 ± 0.01	0.06 ± 0.00	0.02 ± 0.00	0.00 ± 0.00	0.00 ± 0.00
beta-Elemene	1382	0.10 ± 0.02	0.09 ± 0.00	0.46 ± 0.05	0.23 ± 0.01	0.09 ± 0.00	0.04 ± 0.01	0.03 ± 0.00
Junipene	1402	0.02 ± 0.00	0.02 ± 0.00	0.08 ± 0.00	0.03 ± 0.00	0.01 ± 0.00	0.00 ± 0.00	0.00 ± 0.00
beta-Caryophyllene	1412	0.04 ± 0.00	0.09 ± 0.00	0.26 ± 0.01	0.09 ± 0.00	0.03 ± 0.00	0.01 ± 0.00	0.01 ± 0.00
gamma-Elemene	1422	0.03 ± 0.00	0.00 ± 0.00	0.16 ± 0.01	0.08 ± 0.00	0.03 ± 0.00	0.00 ± 0.00	0.00 ± 0.00
trans-beta-Farnesene	1445	0.04 ± 0.00	0.06 ± 0.00	0.20 ± 0.01	0.07 ± 0.00	0.02 ± 0.00	0.00 ± 0.00	0.00 ± 0.00
alpha-Humulene	1448	0.02 ± 0.00	0.04 ± 0.00	0.13 ± 0.01	0.06 ± 0.00	0.02 ± 0.00	0.00 ± 0.00	0.00 ± 0.00
10-beta-H-Cadina-1(6),4-diene	1464	0.01 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.03 ± 0.00	0.04 ± 0.00	0.02 ± 0.00	0.01 ± 0.00
trans-Cadina-1(6),4-diene	1467	0.03 ± 0.00	0.02 ± 0.00	0.10 ± 0.00	0.08 ± 0.00	0.04 ± 0.00	0.03 ± 0.00	0.01 ± 0.00
Germacrene D	1473	0.15 ± 0.03	0.20 ± 0.01	0.78 ± 0.003	0.36 ± 0.05	0.12 ± 0.01	0.04 ± 0.00	0.02 ± 0.00
trans-Muurolo-4(14),5-diene	1484	0.02 ± 0.00	0.00 ± 0.00	0.02 ± 0.00	0.04 ± 0.00	0.03 ± 0.00	0.01 ± 0.00	0.01 ± 0.00
alpha-Muuroloene	1490	0.10 ± 0.00	0.03 ± 0.00	0.26 ± 0.01	0.31 ± 0.03	0.17 ± 0.04	0.07 ± 0.00	0.06 ± 0.00
beta-Dihydroagarofuran	1497	0.04 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.03 ± 0.00	0.06 ± 0.00
beta-Bisabolene	1499	0.02 ± 0.00	0.00 ± 0.00	0.07 ± 0.00	0.04 ± 0.00	0.01 ± 0.00	0.00 ± 0.00	0.00 ± 0.00
gamma-Cadinene	1505	0.13 ± 0.00	0.06 ± 0.00	0.42 ± 0.04	0.34 ± 0.03	0.17 ± 0.02	0.09 ± 0.00	0.06 ± 0.00
delta-Cadinene	1510	1.07 ± 0.08	0.23 ± 0.01	1.98 ± 0.10	2.62 ± 0.15	1.71 ± 0.11	0.86 ± 0.02	0.54 ± 0.05
beta-Guaiene	1514	0.02 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00
trans-Cadina-1,4-diene	1524	0.01 ± 0.00	0.00 ± 0.00	0.04 ± 0.00	0.03 ± 0.00	0.02 ± 0.00	0.00 ± 0.00	0.01 ± 0.00
alpha-Cadinene	1528	0.03 ± 0.00	0.01 ± 0.00	0.09 ± 0.00	0.08 ± 0.00	0.05 ± 0.00	0.03 ± 0.00	0.02 ± 0.00
Germacrene B	1550	0.05 ± 0.00	0.06 ± 0.00	0.29 ± 0.01	0.17 ± 0.02	0.08 ± 0.00	0.04 ± 0.00	0.02 ± 0.00
beta-Oplophenone	1594	0.08 ± 0.00	0.00 ± 0.00	0.06 ± 0.00	0.14 ± 0.02	0.17 ± 0.02	0.16 ± 0.01	0.15 ± 0.02
% Total SHs		2.03 ± 0.18	0.93 ± 0.09	5.51 ± 0.36	4.86 ± 0.45	2.83 ± 0.36	1.43 ± 0.21	1.01 ± 0.08
Oxygen-Containing Sesquiterpenes								
Cubebol	1507	0.01 ± 0.00	0.00 ± 0.00	0.07 ± 0.00	0.05 ± 0.00	0.01 ± 0.00	0.00 ± 0.00	0.00 ± 0.00
Hedycaryol	1526	0.03 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.03 ± 0.00	0.04 ± 0.00	0.03 ± 0.00	0.00 ± 0.00
Elemol	1541	27.47 ± 0.32	2.11 ± 0.10	18.10 ± 0.28	28.55 ± 0.31	30.07 ± 0.26	25.62 ± 0.29	24.78 ± 0.36
(E)-Nerolidol	1552	0.14 ± 0.03	0.01 ± 0.00	0.13 ± 0.00	0.15 ± 0.03	0.13 ± 0.02	0.08 ± 0.00	0.08 ± 0.00
Germacrene-D-4-ol	1568	0.97 ± 0.08	0.70 ± 0.06	3.61 ± 0.09	1.43 ± 0.04	0.18 ± 0.02	0.03 ± 0.00	0.00 ± 0.00
5-epi-7-epi-alpha-Eudesmol	1598	0.25 ± 0.01	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.19 ± 0.03	0.31 ± 0.03	0.43 ± 0.05
Eudesm-5-en-11-ol	1603	0.03 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.03 ± 0.00	0.01 ± 0.00	0.03 ± 0.00
1,10-di-Epicubenol	1606	0.02 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.02 ± 0.00	0.03 ± 0.00	0.01 ± 0.00	0.02 ± 0.00
10-epi-gamma-Eudesmol	1613	0.61 ± 0.00	0.00 ± 0.00	0.08 ± 0.00	0.26 ± 0.01	0.53 ± 0.04	0.77 ± 0.07	1.08 ± 0.09
1-Epicubenol	1619	0.04 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.04 ± 0.00	0.06 ± 0.00	0.05 ± 0.00	0.05 ± 0.00
Agarospinol	1622	0.41 ± 0.04	0.03 ± 0.00	0.28 ± 0.01	0.47 ± 0.05	0.54 ± 0.04	0.62 ± 0.05	0.73 ± 0.00
gamma-Eudesmol	1623	6.55 ± 0.15	0.05 ± 0.00	0.76 ± 0.03	2.14 ± 0.12	4.38 ± 0.22	6.73 ± 0.32	11.48 ± 0.40
Hinesol	1631	0.17 ± 0.02	0.00 ± 0.00	0.09 ± 0.00	0.00 ± 0.00	0.21 ± 0.01	0.24 ± 0.02	0.31 ± 0.03

tau-Cadinol	1633	0.40 ± 0.04	0.00 ± 0.00	0.12 ± 0.01	0.29 ± 0.02	0.41 ± 0.03	0.24 ± 0.01	0.54 ± 0.04
epi-alpha-Cadinol	1635	0.48 ± 0.06	0.00 ± 0.00	0.17 ± 0.00	0.43 ± 0.04	0.54 ± 0.04	0.54 ± 0.06	0.60 ± 0.08
delta-Cadinol	1638	0.13 ± 0.02	0.00 ± 0.00	0.02 ± 0.00	0.08 ± 0.00	0.12 ± 0.01	0.15 ± 0.01	0.20 ± 0.02
beta-Eudesmol + alpha-Eudesmol	1646	13.10 ± 0.28	0.38 ± 0.04	3.86 ± 0.09	8.05 ± 0.11	11.99 ± 0.26	15.14 ± 0.42	21.64 ± 0.51
7-epi-alpha-Eudesmol	1652	0.08 ± 0.00	0.00 ± 0.00	0.03 ± 0.00	0.02 ± 0.00	0.05 ± 0.00	0.08 ± 0.00	0.13 ± 0.01
Bulnesol	1656	0.06 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.02 ± 0.00	0.05 ± 0.00	0.12 ± 0.01
Intermedeol	1658	0.13 ± 0.00	0.00 ± 0.00	0.12 ± 0.00	0.16 ± 0.02	0.16 ± 0.01	0.14 ± 0.01	0.12 ± 0.01
Benzyl benzoate	1756	0.03 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.02 ± 0.00	0.00 ± 0.00	0.03 ± 0.00
alpha-Eudesmol acetate	1773	0.01 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.02 ± 0.00	0.01 ± 0.00	0.02 ± 0.00
% Total OCS		51.12 ± 0.91	3.28 ± 0.12	27.44 ± 0.56	42.17 ± 0.65	49.73 ± 0.55	50.85 ± 0.69	62.39 ± 1.05
Diterpene Hydrocarbons								
Sclarene	1890	0.03 ± 0.00	0.00 ± 0.00	0.03 ± 0.00	0.02 ± 0.00	0.03 ± 0.00	0.02 ± 0.00	0.01 ± 0.00
Isopimara-9(11),15-diene	1893	0.20 ± 0.02	0.00 ± 0.00	0.19 ± 0.08	0.29 ± 0.02	0.35 ± 0.03	0.26 ± 0.01	0.19 ± 0.05
Rosa-5,15-diene	1921	2.11 ± 0.10	0.10 ± 0.00	1.43 ± 0.08	2.39 ± 0.12	2.73 ± 0.14	2.26 ± 0.09	1.66 ± 0.14
Kryptomenen	1923	0.58 ± 0.05	0.03 ± 0.00	0.44 ± 0.05	0.75 ± 0.05	0.83 ± 0.04	0.70 ± 0.06	0.52 ± 0.05
Pimaradiene	1934	0.86 ± 0.08	0.04 ± 0.00	0.62 ± 0.05	1.07 ± 0.07	1.25 ± 0.04	1.04 ± 0.08	0.79 ± 0.07
Sandaracopimara-8(14),15-diene	1953	0.53 ± 0.05	0.01 ± 0.00	0.34 ± 0.03	0.62 ± 0.09	0.79 ± 0.04	0.70 ± 0.00	0.55 ± 0.05
Isophyllocladene	1959	0.05 ± 0.00	0.00 ± 0.00	0.02 ± 0.00	0.05 ± 0.00	0.07 ± 0.00	0.06 ± 0.00	0.05 ± 0.00
Phyllocladene	2010	14.00 ± 0.62	0.58 ± 0.05	7.21 ± 0.25	12.94 ± 0.24	16.42 ± 0.32	16.12 ± 0.37	14.20 ± 0.24
Kaur-16-ene	2032	0.05 ± 0.00	0.00 ± 0.00	0.03 ± 0.00	0.07 ± 0.00	0.11 ± 0.01	0.10 ± 0.00	0.10 ± 0.00
Abietatriene	2040	0.24 ± 0.01	0.00 ± 0.00	0.07 ± 0.00	0.13 ± 0.00	0.20 ± 0.01	0.23 ± 0.01	0.24 ± 0.01
% Total DHs		18.65 ± 0.40	0.76 ± 0.05	10.38 ± 0.22	18.33 ± 0.28	22.78 ± 0.38	21.49 ± 0.41	18.31 ± 0.32
Oxygen-Containing Diterpenes								
Nezukol	2119	2.59 ± 0.00	0.03 ± 0.00	0.66 ± 0.05	1.39 ± 0.10	2.12 ± 0.12	2.75 ± 0.11	3.47 ± 0.13
Sandaracopimarinal	2169	0.18 ± 0.01	0.00 ± 0.00	0.02 ± 0.00	0.05 ± 0.00	0.10 ± 0.02	0.13 ± 0.00	0.18 ± 0.01
Phyllocladanol	2198	0.03 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.03 ± 0.00	0.04 ± 0.00
6,7-Dehydroferruginol	2300	0.03 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.01 ± 0.00	0.03 ± 0.00
trans-Ferruginol	2304	0.07 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.00 ± 0.00	0.01 ± 0.00	0.03 ± 0.00	0.05 ± 0.00
% Total OCD		2.90 ± 0.02	0.03 ± 0.00	0.68 ± 0.05	1.44 ± 0.10	2.23 ± 0.14	2.95 ± 0.11	3.77 ± 0.14
% Identification		97.39	99.75	98.22	97.27	97.04	97.15	97.43

Results are shown as means ± standard deviations (*n* = 3). RI-retention indices on a ZB5MSPlus column. DHs–diterpene hydrocarbons; Fr–fraction; GC/MS–gas chromatography/mass spectroscopy; HD–hydrodistillation; MHs–monoterpene hydrocarbons; OCD–oxygen-containing diterpenes; OCM–oxygen-containing monoterpenes; OCS–oxygen-containing sesquiterpenes; SHs–sesquiterpene hydrocarbons.