

Supplementary Table S2. Comparison of the major components in the essential oils of *Abies lasiocarpa* var. *lasiocarpa* (A.l.l.), *Picea engelmannii* var. *engelmannii* (P.e.e.), *Pinus contorta* subsp. *latifolia* (P.c.l.), *Pseudotsuga menziesii* var. *glauca* (P.m.g.), and *Thuja plicata* (T.p.).

Compound	A.l.l.#1	A.l.l.#2	P.m.g.#1	P.m.g.#2	P.m.g.#3	P.e.e	P.c.l.#1	P.c.l.#2	T.p.#1	T.p.#2	T.p.#3	T.p.#4	T.p.#5
(2E)-Hexenal	0	0	0	0	0	0.4	7.1	5.3	0.1	0.1	0.1	0.1	0.1
α -Pinene	5.0	4.5	6.3	9.1	11.2	3.6	5.0	4.0	1.7	0.6	1.4	0.8	0.8
Camphene	10.9	7.4	15.0	15.2	19.5	6.0	0.4	0.4	tr	tr	tr	tr	tr
Sabinene	tr	0.1	0.5	0.2	0.5	0.3	0.3	0.4	3.0	1.7	2.4	2.2	1.4
β -Pinene	13.6	9.3	3.0	2.6	3.7	2.4	27.0	20.3	0.1	0.1	0.1	0.1	0.1
Myrcene	1.1	1.5	0.8	1.2	0.8	11.7	4.2	3.0	1.0	1.1	1.3	1.0	0.7
δ -3-Carene	tr	0.3	0.5	0.3	tr	3.7	3.6	11.0	-	-	-	-	-
Limonene	20.3	34.6	3.9	5.4	4.0	4.4	3.3	3.7	0.6	0.6	0.8	0.6	0.5
β -Phellandrene	6.7	7.1	0.4	0.4	0.4	4.3	21.8	20.9	tr	tr	tr	tr	tr
1,8-Cineole	-	-	tr	tr	tr	2.4	-	-	-	-	-	-	-
(E)- β -Ocimene	-	0.7	5.4	2.3	0.7	tr	0.1	0.6	-	-	-	-	-
Terpinolene	0.7	0.4	1.5	1.1	1.0	0.7	2.0	2.4	0.2	0.2	0.2	0.2	0.2
Linalool	0.5	0.4	1.6	1.4	4.0	1.2	0.6	1.1	-	-	-	-	-
α -Thujone	-	-	-	-	-	-	-	-	72.5	73.9	74.7	76.3	77.8
β -Thujone	-	-	-	-	-	-	-	-	7.4	8.2	6.1	6.6	5.2
Camphor	0.2	tr	tr	0.1	0.1	22.8	tr	0.1	-	-	-	-	-
Camphene hydrate	0.1	tr	0.8	2.0	0.7	6.0	0.2	0.1	-	-	-	-	-
Borneol	0.2	0.2	0.7	0.8	1.0	8.3	0.3	0.3	-	-	-	-	-
Terpinen-4-ol	0.2	0.2	1.4	0.7	0.8	0.6	0.8	1.3	3.1	2.7	3.1	2.9	2.2
α -Terpineol	0.4	0.3	0.8	1.0	0.9	2.8	6.7	5.7	0.3	0.3	0.3	0.2	0.2
Bornyl acetate	24.7	18.5	40.2	41.1	38.7	2.4	0.1	0.5	-	-	-	-	-