Table S2. Volatile compounds found in young and mature leaves of each species. Volatile compounds were detected using GC-MS and identified by comparing Kovats retention indices to the literature.

|  |  |  |
| --- | --- | --- |
| Species | Young | Mature |
| *I. cocleensis* | 1-ethyl-3-methyl-Benzene 1-Hexanol 1-Octanol 1-Octen-3-ol 1-Penten-3-one 1,3,5-trimethyl-benzene 2-ethyl-1-hexanol 2-Furanmethanol 2-methylacetophenone 2-nonenal 2,2-dimethyl-butane 3-methoxybenzyl alcohol 4-carene 4-hydroxy-4-methyl-2-pentanone 4-terpineol 5-methyl-2(5H)-furanone 6,10-dimethyl-5,9-undecadien-2-one Acetic acid Acetic acid, methyl ester α-caryophyllene α-cubebene α-methyl-benzeneacetaldehyde α-phellandrene α-terpineol Benzeneacetaldehyde β-Cyclocitral β-Ionone Butyrolactone Caryophyllene Corylone Decanal Formic acid, octyl ester Hexadecanoic acid Hexanal Jasmone Linalol Menthacamphor Methyl Salicylate methyl-Cyclohexane Nonanal Octadecanoic acid p-Cymene propyl-Benzene Sabinene Tetradecanal Tridecanal Undecanal | 1-ethyl-3-methyl-Benzene 1-Hexanol 1-Octen-3-ol 1-Penten-3-one 1,2-dimethoxy-Benzene 1,3,5-trimethyl-Benzene 2-ethyl-1-Hexanol 2-Furanmethanol 2-methyl-1,3-Butadiene 2-Methylacetophenone 3-Methoxybenzyl alcohol 3,7-dimethyl-2,6-Octadienal 4-Carene 4-terpineol 5-methyl-2(3H)-Furanone 5-methyl-2(5H)-Furanone 6-Methyl-5-heptene-2-one 6,10-dimethyl-5,9-Undecadien-2-one Acetic acid Acetic acid, methyl ester Acetone alpha-Caryophyllene alpha-Cubebene alpha-Phellandrene Benzeneacetaldehyde beta-Cyclocitral beta-Ionone Butyrolactone Cyclohexanol Decanal Hexadecanoic acid Hexanal Isomenthol methoxy-Benzene Methyl Salicylate methyl-Cyclohexane n-Hexadecanoic acid Nonanal o-Methylacetophenone Pentanal propyl-Benzene Sabinene Tetradecanal Tridecanal Undecanal |
| *Pi. cordulatum* | 1-Acetylcyclohexene 1-ethyl-3-methyl-Benzene 1-Penten-3-one 1-Undecanol 1,3,5-trimethyl-Benzene 2-Heptanone 2-Nonanone 2-Nonenal 2-Undecanone 3-Carene 4-Carene 4-terpineol 6-Methyl-α-ionone Acetic acid Acetone allo-Aromadendrene α-Caryophyllene α-Cedrene α-Cubebene α-Guaiene α-Gurjunene α-Longicyclene α-Longifolene α-Longipinene α-Phellandrene α-Phenylpropionaldehyde α-Pinene α-Terpinene α-Terpinenol α-Terpineol acetate α-Tricyclene Aristolene Aromadendrene Azulene Benzeneacetaldehyde β-Caryophyllene epoxide β-Cedrene β-Cyclocitral β-Gurjunene β-Linalool β-Myrcene β-Pinene β-Selinene Butanal, 3-methyl- Camphene Carotol Caryophyllene Copaene Cryptone Cyclene Decanal Decane δ-Cadinene δ-Caryophyllene δ-Guaiene Diacetone alcohol Dihydrocarveol Ethylbenzene γ-Gurjunene γ-Terpinen γ-Terpinene Globulol Guaiol Heptadecane Heptanal Hexanal Isolimonene Ledene Limonene Linalol Linalyl acetate Longifolene methyl-Cyclohexane Nerolidol Nonanal o-Xylene p-Cymene p-Xylene Propanal, 2-methyl- propyl-Benzene Sabinene Sativene Tridecane Valencene Virdiflorene | 1-ethyl-3-methyl-Benzene 1-Hexanol 1,3,5-trimethyl-Benzene 2-Acetyltoluene 2-Nonanone 2-Nonenal 3-Methoxybenzyl alcohol 4-Carene 6-Methyl-5-heptene-2-one Acetic acid allo-Aromadendrene α-Caryophyllene α-Cubebene α-Guaiene α-Gurjunene α-Longifolene α-Longipinene α-Phellandrene α-Pinene α-Terpinenol Aristolene Aromadendrene Azulene Benzeneacetaldehyde β-Caryophyllene epoxideβ-Cedrene β-Cyclocitral β-Gurjunene β-Ionone β-Linalool β-Pinene β-Selinene Camphene Caryophyllene Caryophyllene oxide Copaene Cumene Cyclohexanol δ-Cadinene δ-Guaiene γ-Gurjunene γ-Terpinen Globulol Guaiol Hexanal Isoestragole Limonene Linalol Linalyl propionate Longifolene Methyl Salicylate methyl-Cyclohexane Nerolidol o-Xylene p-Cymene p-Xylene Phenylethyl Alcohol propyl-Benzene Propylene Glycol Sabinene Sativene Tridecane Valencene  |
| *Pr. panamense* | 1-ethyl-3-methyl-Benzene 1-Hexanol 1,3,5-trimethyl-Benzene 3-Carene 3-Isopropylbenzaldehyde 4-Carene 4-terpineol allo-Aromadendrene α-Caryophyllene α-Cubebene α-Guaiene α-Gurjunene α-Longicyclene α-Longipinene α-Phellandrene α-Pinene α-Terpinene α-terpinenol α-Terpinenol α-Tricyclene Aristolene Aromadendrene Benzeneacetaldehyde β-Cyclocitral β-Gurjunene β-Ionone β-Linalool β-Myrcene β-Pinene β-Selinene β-Thujone/Isothujone/(E)-Thujone Carvacrol Caryophyllene Caryophyllene oxide Copaene Cryptone δ-Cadinene δ-Guaiene Dihydrocarveol γ-Gurjunene γ-Terpinen Hexanal Limonene m-xylene Methyl Salicylate o-Xylene p-Cymene Paracymene Sabinene Sativene Thymol Valencene  | 1-ethyl-3-methyl-Benzene 1-Hexanol 1-Octen-3-ol 1,3-dimethyl-Benzene/m-xylene 1,3,5-trimethyl-Benzene 3-Carene 4-Carene 4-terpineol allo-Aromadendrene α-Caryophyllene α-Cubebene α-Guaiene α-Gurjunene α-Longicyclene α-Longifolene α-Longipinene α-Phellandrene α-Pinene α-Terpinene α-Terpinenol α-Terpinolene α-Tricyclene anisole Aristolene Aromadendrene Azulene Benzaldehyde Benzeneacetaldehyde Benzyl Alcohol β-Cyclocitral β-Gurjunene β-Ionone β-Myrcene β-Pinene β-Santalol β-Selinene Camphene Carvacrol Caryophyllene Copaene Cryptone δ-Cadinene δ-Guaiene Dihydrocarveol γ-Gurjunene γ-Hexalactone γ-Terpinen Globulol Heptanal Hexanal Isolimonene Limonene Methyl Salicylate methyl-Cyclohexane Nonanal o-Xylene p-Cymene Paracymene Sabinene Sativene Thujopsene Valencene  |
| *Ps. acuminata*  | 1-ethyl-3-methyl-Benzene 1-Hexanol 1-methylethyl-Benzene 1-Octen-3-ol 1-t-Butyl-3-ethylbenzene 1,3,5-trimethyl-Benzene2-ethyl-1-Hexanol 2-Nonenal 3,7-dimethyl-1-Octanol 4-Carene 4-terpineol allo-Aromadendrene α-Caryophyllene α-Cedrene α-Cubebene α-Gurjunene α-Phellandrene α-Pinene α-Terpinene α-Terpinolene Anethole Aristolene Aromadendrene Benzaldehyde Benzeneacetaldehyde β-Cyclocitralβ-Gurjunene β-Ionone β-Myrcene Butylated HydroxytolueneCamphor Caryophyllene Cedrol Copaene Decanal δ-Cadinene δ-Guaiene Ethylbenzene γ-Gurjunene γ-Terpinene Hexanal Linalol Linalyl acetate Menthacamphor Methyl Salicylate methyl-Cyclohexane Nonanal o-Xylene p-Cymene p-Xylene Pantolactone propyl-Benzene Sabinene trans-β-lonone Valencene | 1-ethyl-3-methyl-Benzene 1-Nonanol 1-Octen-3-ol 1-Penten-3-one 1,3,5-trimethyl-Benzene 2-ethyl-1-Hexanol 2-methoxy-6-methyl-Pyrazine 2-Methoxy-6-methylpyrazine 2-Methylacetophenone 2,2-dimethyl-Butane 3-Methoxybenzyl alcohol 4-hydroxy-4-methyl-2-Pentanone 6-Methyl-5-heptene-2-one Acetic acid α-methyl-Benzeneacetaldehyde α-Terpineol Benzaldehyde Benzeneacetaldehyde β-Cyclocitral β-Ionone Butyl isobutyrate Camphor Caryophyllene Decanal δ-Guaiene Ethylbenzene Heptanal Hexanal Linalol Methyl Salicylate methyl-Cyclohexane Nonanal o-Xylene Pantolactone propyl-Benzene Sabinene  |