**Additional file 12: Table S1** Previously cloned genes for biosynthesis of mono- and sesquiterpenoids in lavenders.

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| Accession no. | Main products | Designation |
| ABB73044 | Limonene | LaLIMS |
| ABB73045 | Linalool | LaLINS |
| ABB73046 | Bergamotene | LaBERS |
| HQ404305 | β-phellandrene | LaβPHLS |
| DQ886904.1 | alcohol acyltransferase 1 | LaAAT1 |
| HQ404306 | terpene synthase-like | LaTPS-I |
| DQ886905.1 | alcohol acyltransferase 2 | LaAAT2 |
| JX630156.1 | farnesyl diphosphate synthase | LaFPPS |
| JX630155.1 | hydroxymethylglutaryl-CoA reductase | LaHMGR |
| JX630153.1 | 4-hydroxy-3-methylbut-2-enyl diphosphate reductase | LaHDR |
| JX630152.1 | 4-hydroxy-3-methylbut-2-enyl diphosphate synthase | LaHDS |
| JX630151.1 | 1-deoxy-D-xylulose 5-phosphate reductoisomerase | LaDXR |
| JX630150.1 | 1-deoxy-D-xylulose 5-phosphate synthase | LaDXS2 |
| JX630149.1 | deoxyxylulose synthase | LaDXS1 |
| JX401284.1 | germacrene-D synthase | LaGERDS |