**Supplementary Table S2:** Genetic correlations and associated standard error (se) of bark stripping [BS] and height [HT] in models with different chemical compounds using ABLUP and ssGBLUP

| Compound         | ABLUP cor BS vs HT (se) | ssGBLUP cor BS vs HT |
|------------------|-------------------------|----------------------|
| 1  α-pinene      | M 0.40 0.29             | 0.42 0.27            |
| 4  β-pinene      | M 0.39 0.30             | 0.43 0.27            |
| 5  camphene      | M 0.39 0.29             | 0.41 0.27            |
| 6  citronellal   | M 0.41 0.29             | 0.40 0.28            |
| 18 trans-farnesol| SS 0.39 0.30            | 0.43 0.27            |
| 20 agathadiol    | DG 0.39 0.29            | 0.41 0.27            |
| 21 agatholal     | DG 0.39 0.29            | 0.42 0.27            |
| 22 copalol       | DG 0.40 0.29            | 0.41 0.27            |
| 23 levopimaral   | DG 0.39 0.29            | 0.42 0.27            |
| 30 dehydroabietic acid | DL 0.45 0.29 | 0.43 0.27          |
| 54 fructose      | S 0.44 0.29             | 0.45 0.27            |
| 55 glucose       | S 0.41 0.29             | 0.39 0.28            |
| 56 inositol      | S 0.39 0.29             | 0.41 0.27            |
| 59 linoleic acid | F 0.47 0.27             | 0.35 0.29            |
| 60 linolenic acid| F 0.41 0.28             | 0.38 0.28            |