

**Table S4.** Up-regulated genes and annotation of the phenylpropanoid biosynthetic pathway

| Gene ID  | Genes           | Enzyme ID     |
|--|-----------------|---------------|
| g57987   | <i>PAL</i>      | EC:4.3.1.24   |
| g26782   | <i>HCT</i>      | EC:2.3.1.133  |
| g16725、g62049  | <i>F5'H</i>     | EC:1.14.14    |
| g31303、g31304  | <i>F3'H</i>     | EC:1.14.14.82 |
| g1027  | <i>CHS</i>      | EC:2.3.1.74   |
| g3586  | <i>CHI</i>      | EC:5.5.16     |
| g553、g43253  | <i>CCoAOMT1</i> | EC:2.1.1.104  |
| g712、g29801、g29802、g34957  | <i>CAD</i>      | EC:1.1.1.195  |
| g10319   | <i>4CL</i>      | EC:6.2.1.12   |
| g26014   | <i>ALDH2C4</i>  | EC:1.2.1.68   |
| g1369  | <i>UGT72E1</i>  | EC:2.4.1.111  |
| g1383  | <i>UGT72E2</i>  | EC:2.4.1.111  |
| g18287、g1126、g24562、g17001、<br>g48738、g24563、g17013、g24561、<br>g8745 | <i>PRX52</i>    | EC:1.11.1.7   |
| g24989、g24990  | <i>POD</i>      | EC:1.11.1.7   |
| g3595  | <i>F12L6.8</i>  | EC:3.4.24.59  |