|  |  |  |
| --- | --- | --- |
| **Metabolic pathway** | **Gene accession number** | **Gene Name** |
| **phenylpropanoid metabolic pathway** | **lignin metabolic pathway** | **gi|575502404|** | **HCT (hydroxycinnamoyl CoA shikimate/quinate hydroxycinnamoyltransferase,** |
| **gi|229368453|** | **CCR (cinnamoyl-CoA reductase)** |
| **flavonoid metabolic pathway** | **gi|289186761|** | **3GT (UDP-glucose: flavonoid-3-**O-glucosyltransferase) |
| **gi|153805695|** | **CHS1 (chalcone synthase 1)** |
| **gi|347466179|** | **CHS2 (chalcone synthase 2)** |
| **gi|347466183|** | **CHS4 (chalcone synthase 4)** |
| **gi|347466187|** | **CHS6 (chalcone synthase 6)** |
| **gi|121755800|** | **CHI (chalcone isomerase)** |
| **gi|310781378|** | **F3'H** (flavonoid 3'-hydroxylase) |
| **gi|197259949|** | **F3'**5'H (flavonoid 3', 5'-hydroxylase) |
| **gi|258489657|** | **DFR (dihydroflavonol 4-reductase)** |

**Supplementary Table 3**.

**Genes related to the phenylpropanoid (metabolic) pathway**