**Table S1.** Primers used in quantitative real-time polymerase chain reaction (qRT-PCR) for relative quantification of gene expression

|  |  |  |  |
| --- | --- | --- | --- |
| Gene ID | Function annotation | Primers | Sequence (5' to 3') |
| AG1IA\_05136 | Cytochrome P450 | Forward | CTTGTCAGGGAGAGGTCAAAG |
| Reverse | CGATAGACTTGGGAGGGAAATG |
| AG1IA\_01023 | Cytochrome P450 | Forward | CGCTGTGCTGGTCGAATAA |
| Reverse | CGCCCTGAGAGTGTAAGAATAG |
| AG1IA\_05092 | Cytochrome P450 | Forward | GATGGAGGACAAGGAGATTCAG  |
| Reverse | TAGTGAGAGCAGGCAGAAATG |
| AG1IA\_07129 | Cytochrome P450 | Forward | CCTCGTTTCTGTCCTCACATAC |
| Reverse | GCTCGTAAATGCCCAATCAAAG |
| AG1IA\_07929 | Cytochrome P450 | Forward | CGCACCGGATATTGAGAAAGA |
| Reverse | TACAGTGCCCATGATGTTGTAG |
| AG1IA\_06336 | Cytochrome P450 | Forward | GGCACAACAGGAGATTGATTTG |
| Reverse | CATCGCAGCACTTGGAGTAT |
| AG1IA\_07383 | Glutathione S-transferases | Forward | TCCCAAGGCTTATGGGTTATTC |
| Reverse | CGCATGAAGATTCTCGAGGTAG |
| AG1IA\_00711 | Glutathione S-transferases | Forward | CAACCACATTACCCTCGCCT |
| Reverse | TGGCCTTCCAAGACGAGAAC |
| β-actin | Reference gene | Forward | GCGTGAAGTAGTGCGGGATA |
| Reverse | AAGTCGGGAGAAAGGAGC |
| GAPDH | Reference gene | Forward | TACTCCGCAATGCTATCG |
| Reverse | TACTCGGTCCCAGTGGT |