**Supplementary Table S1.** Primers used in the quantitative real-time RT-PCR (qRT-PCR).

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Gene name** | **Oligo name** | **Sequence (5′ → 3′)** |
| 1 | GAA48883a | qCsTyr1-F | TGATGGAGCGATGAGGAGCAC |
| 2 | qCsTyr1-R | GGTGGTTTGTGTCGGCGGTA |
| 3 | GAA27975 | qCsTyr2-F | CAAAGAACGGCTACTGCAACCA |
| 4 | qCsTyr2-R | TGGGTAGGCATCGAAAGGTGG |
| 5 | GAA48882 | qCsTyr3-F | GGTGGATGCACAATCGCCTTC |
| 6 | qCsTyr3-R | TTGGTGGATGGTACAAACGCAA |
| 7 | GAA32069 | qCsTyr4-F | GCACGGCAGCCAATGATCCA |
| 8 | qCsTyr4-R | CGGCAACTTCCCAGGTCTAC |
| 9 | GAA54899 | qCsTyr5-F | ATCATTCTGCCGTTGCCCTCC |
| 10 | qCsTyr5-R | CGTCAAACCAGGACCCGTTGA |
| 11 | β-actin | qCsbAct-F | CAAAGCAGGTTTTGCTGGTG |
| 12 | qCsbAct-R | ATACCTCGTTTGGATTGGGC |

aThe tyrosinase identities of *Clonorchis sinensis* are distinguished by the GenBank accession numbers of their protein products.