Table S1 primers for this study

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| Primer name | Sequence (5’-3’) |
| 2930 F | ACCCGATTTCACCCAAGCTCACAC |
| 2930 R | TGGCTGTACATACCTACTGCTC |
| 2674 F | TCACAGTAACTGATACCTCGTTC |
| 2674 R | TTTCTCTCTTGCCAATTAAATC |
| 5871 F | TATTGGGTATTACAAGTCGTGTG |
| 5871 R | CCAACCAAAACACCTGTGTTGAG |
| 7192 F | GTTGCCTACCCACGTTCATTCGC |
| 7192 R | GTCGTTAGTTCATGAGAATTG |
| 8444 F | CGAAAAGGCTTGAATTCAAC |
| 8444 R | CCATCGCTCTTGACGACCGCG |
| 11476 F | GCACATACTGCCATATGGAAAG |
| 11476 R | CACCTCCAGGAGTTAAATTCGC |
| 12022 F | TGTCGACGTAATCCAGCACGGG |
| 12022 R | AAATCACGCAGGTCTCGACT |
| 12564 F | TTAAATTGATGATATTACAAAG |
| 12564 R | TTCAGACCAAGAACTTTG |
| 16634 F | TTCTACAACTACCCACTACC |
| 16634 R | GCCCGCGACTGGGGAGGC |
| 19615 F | GAGATGGCTTGCGGCTTCCCG |
| 19615 R | GACCTGGTCTTCAAGGTTG |
| 20270 F | ATCTCCGCTCAGAATGCCG |
| 20270 R | CCCTTCAAGCCCCGTCAAGAC |
| 28199 F | CGGGGTTGTTGACGTTGACA |
| 28199 R | CACTTTCGCTACAAAACAA |
| unigene 616 F | GCATCGTCCCCAACCGTCC |
| unigene 616 R | TACAGAAGGTGGCGGGAGCGC |
| Unigene 619F | GCCTGTTGTACACCAGTGCTTTC |
| Unigene 619R | TATATATACTTGTTGTCTATATTTGG |
| Unigene1871F | TTAATTATTTTTACATACCATGCC |
| Unigene1871R | TTCATTGGTACTTGATTACATTG |
| Unigene3834F | ATCACTACTTCAAGGGTCTAGAG |
| Unigene3834R | TAATTCAGATCCATATACGAA |
| Unigene7125F | AGAAGCCATGCGACGCTTGAC |
| Unigene7125R | CACAGGGGCTCAGTTCGATC |
| Unigene122991 | ACACATATATGAGTGGGGAAG |
| Unigene12299R | ATTCTGGCGTCTATGATGC |
| Unigene15536F | CTTCTTCTCCTCTTCTTCGTA |
| Unigene15536R | TTGGTGGCTGCAAAGACTCC |
| Unigene16948F | GAAGCCATTGTTCCTCTGTGC |
| Unigene16948R | TACACTAGATTGCCGTCTGCA |
| Unigene18755F | GCGATTCGGCATTTGCCATA |
| Unigene18755R | TTCTGCGTTGGAGCAACCATG |
| Unigene17598F | ATCTCCCATACAACCAGCAGG |
| Unigene17598R | TTTTCGTCTTTTTCCAGGAC |
| Unigene25844F | TATTTATCATTCCTGAATTG |
| Unigene25844R | TTTACTTGGGAGATGTATATG |
| Unigene0005923 F | ATGTCCACCAAGCCCACAACAG |
| Unigene0005923 R | GTTGATGATCTCTTCATGCAGCC |
| Unigene0013310 F | ATGGCTTCAACCTTGTCCGCTAG |
| Unigene0013310 R | GTAACTACCCTGACGACTC |
| coq-4 F | ATGGCTCGACATGTACGAATAC |
| coq-4 R | CACAGCGCGAGCCATATTC |
| Unigene001827 F | CCTTGGCTCATTTCCATTAG |
| Unigene 001827 R | CAGCTTCTCCAGCTTGCGCTC |
| PHPT F | ATGACCACACCTGTTGCCGCGC |
| PHPT R | ACTAGTATACATTTTTTCTGGC |
| Unigene0002856 F | ATGGCGTCCATACCGAAGACG |
| Unigene0002856 R | AACCAACTTTCCAGTCGTCTTC |
| Unigene0003233 F | ATGCAGGCTTCACGGCAGCAG |
| Unigene0003233 R | TTTCTTCGCGCCCACAGGC |
| COQ-8 F | ATGGCAGGAAGACGGCTCGTC |
| COQ-8 R | TTCCTCGGGGCGGAGGCGCC |
| COQ-6 F | ATGCCGCCTCGGATATCATTGG |
| COQ-6 R | CGTGTAAGTGTCTGCTAG |
| Unigene17595 F | ATGTCACCTCCGTCTGCAGTC |
| Unigene17595 R | ACCCAACCCAAACTCCTCCCTAAC |
| COQ-9 F | ATGGCACCCGCACGCCTGGCC |
| COQ-9 R | GACATGAGCTCCCTTACTCC |
| unigene20829 F | CGTCCCCTCCTTCACCAC |
| Unigene20829 R | CTCCAAAACCTCCTGCACCCT |
| Unigene0027917 F | ATGGAAGGAAAAACGCTGGTTG |
| Unigene002791 R | CCCCTCGCAACCCACCACCC |
| UNIGENE0027513 F | CGAAATCTTGCGACGGTTTCG |
| UNIGENE0027513 R | TATCCACCCCTTCGGCCCACC |
| Unigene0058F | CCTCTAGCAGTTGTACATATCC |
| Unigene0058 R | GTAAAAGTCGATGAGGTCAA |
| Unigene1169 F | ATGAGATTCTCCACTATCAC |
| Unigene1169 R | CTTTCCCTTGCCGCCCTGG |
| Unigene10354 | ATGGCAAACCTGAGGTTCGC |
| Unigene10354 | GTCGGTGAGACGGTCGAGG |
| Unigene 10865 | ACCCTCACCTACCCCAAGCC |
| Unigene10865 R | AATGCGGCAGTTCTTGCCAATC |
| Unigene11018 F | CCGCTGCACGCTGTCAAGACG |
| Unigene11018 R | TTGTGGCAAGTCGTTGAACCAT |
| Unigene0012423 F | ATGGGCGGAGAATCACATCG |
| Unigene0012423 R | TCCGAAGCCGCTCTTGATGG |
| Unigene0014136 F | GTGTTAGACCCTCCCAAGTTC |
| Unigene0014136 R | GAAGCCAATCTTGGAACCTAG |
| Unigene15506 F | ATGGCCACCCTAACACCAACC |
| Unigene15506 R | GATGTTGGCGAGTTGCCAG |
| Unigene21622 F | GATCCCCACCACCAAGGCAAC |
| Unigene21622 R | TCCCTTTCCCTTGCCTCCCTG |
| Unigene0008451 F | ATGGCCAACAACATGAATAA |
| Unigene000845 | ACCCGCATGCTCGACAATC |
| Unigene15483 F | ATGGCTGCCGCGCACCAGAAC |
| Unigene15483 R | GTACCCGTTCATGGTCATGC |
| Unigene17583 F | GAACTTGATGAGGAAGGTAC |
| Unigene17583 R | AGCATCGTCCGCGTCGTCATG |
| Wali F | ATGAAGGGCACCAAGCTCGC |
| Wali R | GTACTTCTTGCAGGGCCCAC |
| Inhibit F | ATGAGCAAGCCATGCGACGC |
| Inhibit R | GCCAATCTTGGGAACCTCCG |
| xylnase F | ATGGCACGAGTCCTCCTCCT |
| xylnase R | AGGTGCTTCCAGCGAAATTG |
| Path F | ATGGCATCTTCCAAGAGTAG |
| Path R | AGGCTTCGGCGTCAAGGGTG |
| SSR F | ATGACGAGCGTATGGAAGAC |
| SSR R | CTTCTTCTCTGGCTCCTCG |
| NAC F | ATGGCGCTGTACGGCGAG |
| NAC R | GAACGGCTTGCCCCAGTAC |
| GST F | ATGACTGAACCGGTGAAGC |
| GST R | TTTGGTGGCTAGATAATTG |
| PSB F | ATGTCTGCCTCTGTCATG |
| PSB R | AGAAGCCAAGGCACTAGTA |
| AMY F | ATGGGGAGGCAGATCGCCG |
| AMY R | GCGCCGCCCGGCCGGCACC |
| PER F | ATGGCGAGCAGCAGCAGCAG |
| PER R | AGCCCATGGCGAGCTTATCG |
| RBI F | ATGGCCCCCACCGTGATGGC |
| RBI R | GGCCTTGCCGGACTCCTCG |