

Supplemental Table 1. The primers used in this study

| Markers       | Forward Primer             | Reverse Primer             |
|---------------|----------------------------|----------------------------|
| 71310-1       | GTTTCACAGGAGAACAGCATT      | GAAGAGAAGGAGAGCGAGAG       |
| 71310-2       | GAAGAGAAGGAGAGCGAGAG       | GAGGATGATGGTGCTGAAGAT      |
| 71310-3       | GAGGATGATGGTGCTGAAGAT      | CAGGCTGTGTTATTTGCTAATC     |
| 71320-1F      | TGACCACGCAACAAGGATG        | CTGCTGCTGCTGCTACTAC        |
| 71320-2F      | GCAGCAGCAGCAGTAGTA         | CACGAAGCAAGAACAACAATAG     |
| 71320-3F      | TCTTGCTTCGTGGTGCTAAT       | AGTTGTGAGGCATCTGTGAG       |
| 71320-4F      | CCTCACAGATGCCTCACAA        | GGATAGAGTTGGTTGGATAGGA     |
| 71320-5F      | CCAGTCTAATCCTATCCAACCA     | CCAGCCTAAGTCCTCCTCT        |
| 71320-6F      | TCCTATCCAACCAACTCTATCC     | GAACACTGCTTGCACTCTAC       |
| 71320-7F      | ATACTCCCTCCGTCCCAAA        | TTCCATTCACTTCGCCTTATTC     |
| qRT-PCR-71310 | TCTCTTCTACGCTGCTCTTGG      | TCTCTGGTCCTCGGTGAA         |
| qRT-PCR-71320 | TGAAGGAGAAGATGACCAAGATG    | TGCCAACCGTGTCTCTGAT        |
| atp6RT        | GGCATTACGATCGTTGGATTTT     | TTGATGGAGATTTATAGCATCATTC  |
| WA352qRT      | CATGCAAATGTCCCGGATTCAAGC   | GTAAGCGGACTCTTTGACCAAG     |
| RM3482        | GCCGCTAATGTTGTTGTCAAGC     | CGAAGCCAACGTAGTCCAATCC     |
| RM252         | TTCGCTGACGTGATAGGTTG       | ATGACTTGATCCCGAGAACG       |
| RM1375        | CTACACGCGCAAACCTCTGTC      | ATGAAGGTCTAGGCTGCACC       |
| RM7018        | CATCGTTGACCGCTGCTC         | AATAAACAGCACGTGCTCCC       |
| RM12095       | CCCACGTACGCACACATATACACG   | CAGCCAAACAAACATGCTGTGG     |
| RM12102       | GACGGAGGGAGTGCTTTGTACCG    | GCATCTGGCGTGGTTCAGTTGC     |
| RM12132       | CTGCCAATATGCAAGAGGACATGG   | TAGAAGCCTGCCCACTGAAACAAGC  |
| RM12146       | AGTATGCCCTGCCCACTACACTAGG  | CAGCGAATGGCAAGAGCAACC      |
| RM5310        | GGGACCAAGACCTTTCCAATGC     | GCGGAAGCAGGAGAATCGTAGC     |
| ID01M28791    | TACGTTAGCACGTTTTTCAA       | TAGGGCACATAAAACATGAA       |
| ID01M28826    | ATTGACATGTGCTGCTTGT        | AATTGAACCAAACAGGAAAC       |
| ID01M28845    | TACGATGGAAGCATCTCTCT       | GGACGCTTAATTCTTGTGAG       |
| ID01M28865    | ACGAACCTGAGTTTCTGTGT       | AATCCTGAGTTTCCGTGTC        |
| RM12182       | GTTACGCCGAATCATGTCATTCATCC | CGGAGAGCATATTCTTGCTTGCTACC |
| ID01M28916    | TTTGCCCAAAAAGAATTAAC       | ATGGTGACTTCGTTTCAAGT       |
| ID01M28934    | GAGCAATTGGAGTGTGAGAT       | TCATATCCCTAATTATATGG       |
| ID01M28976    | ACACGTATGCCATTATCACA       | GGACGAGGATAAGCTACAAA       |
| ID01M29086    | CTGACGAACCTTGTGGTACAG      | AGGGACAGATGTGGCTAAT        |
| ID01M29151    | GGCTATTCTGTGATGCTAAAA      | ATCAAAAAGCTGTGCCTCT        |
| ID01M29229    | CAATTTGACCGCTAGTTGAC       | AACCTTGTAAGAATCTGAACT      |
| STS1-170.4    | GTGCATCGAACTCGTACAACC      | TCTAGTGTTGGGGGTCACCTC      |
| RM6321        | CCCAGGAATATCTCTATACACACAGC | CTCTACCTCGCTGTTGTCTCTGC    |