**Table S1** Primers of EsAQPs used in qRT-PCR.

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| EsAQP | Primer | Sequence 5′~3′ |
| EsPIP1;1 | Forward | CCAGCCTAAGCAATATCAG |
| Reverse | GTGGTCGTCCCAGGAATG |
| EsPIP1;2 | Forward | ACCAAAGCAATACCAAGC |
| Reverse | ATGGTCGTCCCAAGCGTT |
| EsPIP1;3 | Forward | CTACACTAAGGGCTCC |
| Reverse | TGATCGGAATCGTCGC |
| EsPIP1;4 | Forward | CTACACCAAGGGTTC |
| Reverse | TATCGGAATTGTCGCC |
| EsPIP1;5 | Forward | CAATCAGGACCGTACCAG |
| Reverse | CAGTGATTGGAATAGTGGCC |
| EsPIP2;1 | Forward | GTGTCGTTAGTGAGAGCCAT |
| Reverse | CATGGGAATCTCTGGCGCT |
| EsPIP2;2 | Forward | GAGGGATACAGCACAGGG |
| Reverse | GGACTCGTTATAGATAACG |
| EsPIP2;3 | Forward | GATACAACACAGGCACTGGC |
| Reverse | TAGTGGCCAAGTGTACCATG |
| EsPIP2;4 | Forward | CAGTGCCTTGGTGCTATCTG |
| Reverse | GGTGGCTAAGTGAACCATGAAG |
| EsPIP2;5 | Forward | GTACATGGTGGCTCAATGCCT |
| Reverse | CCGTGATTGGGATTGTAGCT |
| EsPIP2;6 | Forward | CACTTGCGGAGTTGGTTTGG |
| Reverse | GGTTAATTCCGGTGCCAGT |
| EsPIP2;7 | Forward | GGTGAGAGCTGTTGGTTACATG |
| Reverse | GAAACCAATTGGAAGTGGAGCC |
| EsTIP1;1 | Forward | TACTGGATTGCTCAGTTAGCC |
| Reverse | CGGAGCAATTGTTCCAAGACTA |
| EsTIP1;2 | Forward | ACTGGATCGCTCAGCTTCTT |
| Reverse | TGGTGCGATTGTTCCGAGACTT |
| EsTIP1;3 | Forward | CGCTTTCCTATGGAGTCACG |
| Reverse | CGGCAATGGCTGCACCAAT |
| EsTIP2;1 | Forward | TTGGTCTTGCTCTCGGTGGTC |
| Reverse | GAACCATTCTTGGGATCAGCG |
| EsTIP2;2 | Forward | CATCACCGGTTTCTTCTAC |
| Reverse | GACCAGAGCAAAAGTCACCACA |
| EsTIP2;3 | Forward | GCTCCATCGTTGCTTGCCTT |
| Reverse | CACCACTGAATGGACCAGCA |
| EsTIP2;4 | Forward | TCAGCTTCTCGGCTCCACCGTA |
| Reverse | TCAACGGCTGTGGCATACACT |
| EsTIP3;1 | Forward | GAGGCTCTCAACAAACGGCTT |
| Reverse | CCACTAACGTGTTTGCTCCAAC |
| EsTIP3;2 | Forward | TGAGGCTTGCAACTAATGGCTC |
| Reverse | GATGGCTAGCGGTGCTATGATC |
| EsTIP4;1 | Forward | TCAGTTGTTAGCCTCATCCGC |
| Reverse | GAAGTGGGCCTAACCCATCA |
| EsTIP5;1 | Forward | CAGTGTACACAAGCACGAACGC |
| Reverse | TGGACTTCACAGATGCTTGCC |
| EsNIP1;2 | Forward | TGTGTTCGTCGGAACATTACCG |
| Reverse | GTTGATCCTACTGCTATTCCGGC |
| EsNIP2;1 | Forward | CGGCCTACTTGACCGTTCAAG |
| Reverse | TGACGGTTGCGCCGATGATTA |
| EsNIP3;1 | Forward | GTTATAGCCGCTGTTGCTACCG |
| Reverse | TCCATGCACCTGATAATGCTCC |
| EsNIP4;1 | Forward | TTAACCCTGCGGTTACCATCAC |
| Reverse | CCGGCTACGAAGACGTTTAAC |
| EsNIP4;2 | Forward | CTCCAATTGATTCCGCTGCACG |
| Reverse | GGCCATAACTCCGAGTATAGGAC |
| EsNIP4;3 | Forward | CTCCGGCTGATTCGTCAGCAC |
| Reverse | CCAGCCACGAAGACATTCAACA |
| EsNIP5;1 | Forward | CTTCGTTGTTACTGCCGTTGCC |
| Reverse | TATGGCACCAAGTGTAGGAGCC |
| EsNIP6;1 | Forward | CCTTATGTTCGTTGTCACTGCCG |
| Reverse | AATCGTTAGCTGCAATGGCTGG |
| EsNIP7;1 | Forward | GCGTTGCATTGTGGTCCTCAT |
| Reverse | CCGGTCCTAGTGATCGAGCT |
| EsSIP1;1 | Forward | TCAGGTTGATGTGCACACCG |
| Reverse | TGTGAGAGCTGTTCATGTATGCC |
| EsSIP1;2 | Forward | CCGTCTCGGTGTTTATGGTTGG |
| Reverse | CGGTGAAGGAGCTGATCCAATAC |
| EsSIP2;1 | Forward | TCTGATCTAACCGGCGGATGC |
| Reverse | CCAAACAGCGAGCAGTGTAGC |
| Actin | Forward | GCACAATCCAAAAGAGGTATTCTCACCT |
| Reverse | GGAGCCTCGGTAAGAAGAACAGGG |