

Selection of suitable reference genes for qRT-PCR normalisation under different experimental conditions in *Eucommia ulmoides* Oliv.

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Figure S1. Nucleotide sequence of *TUA* from *E. ulmoides*.

GGAGCGTCTCTCTGTTGATTATGGTAAGAAATCAAAGTTGGGTTTCACTGTCTACCCCT
CCCCCAGGTCTCTACATCAGTTGTTGAGCCCTACAACAGCGTCCTCTCAACTCACTCT
CTCCTGGAACACACGGATGTTGCTATCCTTCTTGACAATGAGGCCATTTACGATATCTGC
AGACGCTCACTTGACATTGAGCGGCCACATACACCAACCTCAACCGTCTCGTCTCTC
AGGTGATTCCTCCTTGACCGCATCTCTGAGGTTTGACGGTGCCCTGAATGTGGACATG
ACCGAATTCCAAACCAACTTGGTACCCTACCCAAGAATCCACTTCATGCTCTCCTCCTA
TGCTCCTGTCATCTCTGCTGAGAAAGCCTACCACGAGCAACTCTCTGTGGCCGAAATC
ACCAACAGTGCCTTTGAGCCTTCCATGATGGCTAAATGTGACCCCCGTCACGGCA
AATACATGGCTTGCTGTCTCATGTACCGAGGCGATGTCGTCCCCAAAGACGTCAATGCC
GCCGTTGCCACCATCAAGACCAAACGGACCATCCAGTTCGTTGATTGGTGCCCCACTG
GTTTCAAGTGTGGTATTAATTACCAGCCGCCAACTGTTGTTCCGGGTGGTGATTTGGCT
CGGGTTCAGAGGGCGGTTTGTATGATCTCGAACTCGACAAGTGTGGCGGAGGTATTTT
CGAGGATTGACCATAAGTTTGATCTCATGTATGCGAAGCGGGCTTTTGTGCATTGGTAT
GTGGGTGAGGGAATGGAAGAAGGAGAGTTTTCGGAAGCTCGGGAGGATCTTGCAGCT
CTTGAGAAGGATTATGAGGAAGTTGGTGCCGAGGGGGCGGAGGATGAGGGTGATGAA
GGGGATGAGTACTGAGTTGGGTTTCTAGCAATATGGGCATTACTGTCTTATTGTTTCTGT
TTGCTTTTCGTTTTTGATTGTTTGGTGTTCGTACATTTGCTCTGTTTGAAAAATG
TGTGAAACTTTTCGACTTCTGTTTTTCAGCTATAAAGGTTAACTAATGCAAGTATTGTTTT
TTTTAATCTTTTAATCAAGATACACGAATGATCTAATTGTGAAAGGGAAACGCTTAATTT
ATTCTAGTTTTTCATTGATTATGATGATGGACCTTCAACAATTCATTCCTGT

Figure S2. Nucleotide sequence of *18S rRNA* from *E. ulmoides*.

AAAAGCTCGTAGTTGAACCTTGGGCCTGGCTGGCCGGTCCGCCTCACCGCGTGACTG
GTCCGGCCGGGCCTTTCCTTCTGGGGAACCTCATGCCCTTCACTGGGCGTGTGGGGA
ACCAGGACTTTTACTTTGAAAAAATTAGAGTGTTCAAAGCAGGCCTTTGCTCGAATACA
TTAGCATGGAATAATAGAATAGGACGTGTGGTTCTATTTTGGTTGGTTTCTAGGACCGCCG
TAATGATTAATAGGGATAGCCGGGGGCATTTGTATTCAATGGCAAGGGGTGAAATCCTT
GGATTCATTGAAGACAACTTCTGCGAAAGCATTTGCCAAGGAGATCTTCATAAATCA
AGAACGAAGGTGAGGAGGTGCGAAAACGAGTAGATACGGTGGTAGTCTTCACAGTAAA
CTAGGCAGAGGAGGGAGCGAGCG

Figure S3. Nucleotide sequence of *ACT97* from *E. ulmoides*.

AGATGATGCTCCACGGGCTGTGTTCCCAAGCATTGTAGGTCGACCACGCCACATAGGC
GTTATGGTCGGTATGGGCCAAAAAGATGCATATGTTGGAGATGAAGCTCAATCCAAACG
TGGTATATTGACACTCAAATATCCAATTGAACACGGCATTGTGAGCAATTGGGATGATAT
GGAAAAGATATGGCATCACACCTTCTACAACGAGCTTCGTGTTACTCCTGAAGAGCAC
CCCGTCCTCCTGACTGAAGCTCCGTTGAACCCGAAGGCCAATCGCGAGAAGATGACTC
AGATCATGTTTCGAGACATTTAATACGCCTGCAATGTATGTTGCTATTCAAGCAGTTCTTT
CGCTGTATGCTAGTGGTCGAACCACCGGAATTGTTTTGGACTCTGGTGACGGTGTGAG
CCACACGGTACCCATATATGAAGTTATGCCCTCCACATGCCATCCTCCGTCTAGACTT
GGCTGGCCGCGACCTGACCGACCACCTCATGAAAATCCTGACCGAGCGTGGCTACTCC
TTCACCACCACCGCTGAGCGGGAATTGTCCGCGACATGAAGGAAAACTCGCCTACA
TTGCCCTAGACTATGAGCAAGAGATGGAGACCTCAAAGACAAGCTCCTCCGTCGAGA
AGAGCTACGAGCTGCCCACGGGCAGGTCATCACTATCGGCGCCGAGCGGTTCCGATG
CCCTGAGGTTCTTTTCCAGCCGTCGGCAATTGGAATCGAGGCCGCCGGAATTCACGAG
ACGACATATAATTCGATCATGAAGTGTGATGTGGATATCAGGAAGGATTTGTATGGAAAT
ATTGTGTTGAGTGGTGGTTCAACGATGTTTCTGGGATTGCCGAGAGGATGAATAAGG
AGATTACGGCGCTTGCACCACCTAGCAGCATGAAGATCAAGGTGGTGGCACCTCCTGA
GAGGAAGTACAGTGTCTGGATTGGAGGGTCTATCTTAGCTTCACTCAGTACCTTCCAGC
AGATGTGGATTTCAAAGGCCGAATATGATGAATCTGGTCCTTCCATTGTTTCATCGTAAAT
GCTTCTGAGTTGTGTGAAGACAAACCAATGGTATATCTTCCCTTTATTTTCGAAACCG
TGTCGTATTAGAGTTCTGTTTGG

Figure S4. Nucleotide sequence of *ACT* from *E. ulmoides*.

AATTATATGGGACCGTCAAACATGCCTTTTCGATTTTTCCCTCGTATGTTGCCTAAATTTTT
TCCTCTAGGCTGGATTTGCTGGTGATGATGCTCCAAGGGCTGTGTTTCCAGTATCGTT
GGCCGACCTCGACATACTGGTGTATGGTTGGGATGGGCCAAAAGGATGCCTTATGTTGG
TGATGAAGCACAGTCAAAAAGAGGTATCCTTACCTTGAAATACCCAATAGAACACGGC
ATAGTCAGCAATTGGGACGATATGGAGAAGATCTGGCACACACTTTCTACAACGAAC
TTCGTGTTGCACCTGAAGAGCACCCATACTACTTACAGAAGCTCCATTGAACCCCAA
GGCTAACAGAGAGAAAATGACCCAAATCATGTTTCGAGACCTTTGATGCGCCTGCAATG
TATGTTGCTATTCAGGCCGTTCTGTCTCTTTATGCCAGTGGTCGTACAACAGGTATCGTC
TTGGACTCCGGTGACGGCGTCAGCCACACGGTACCAATTTACGAAGGTTATGCCCTTC
CCCATGCAATCCTCCGGCTAGACCTCGCTGGCCGTGATCTAACGGATTCCCTAATGAAA
ATCCTCACCGAAAGAGGTTACACCTTACCACAACAGCAGAACGAGAAATCGTACGT
GACATCAAGGAGAAGCTCGCCTACATTGCCCTCGACTATGAGCAGGAACTGGAGACTG
CCAAGACCAGCTCCGCCATCGAGAAGAGCTACGAACTGCCTGACGGTCAGGTCATCA
CCATAGGGGCGGAGCGGTTCCGCTGTCCGGAAGTTCTGTTCCAGCCGTCATTCATCGG
GATGGAGTCGCCGGGATTTCATGAAACCACTTACAATTCGATCATGAAGTGTGACGTT
GATATCCGGAAGGATTTGTATGGGAATATTGTGCTTAGCGGTGGGTCAACGATGTTTCC
AGGGATTGCTGAGCGTATGAATAAGGAGATTTCCGGCACTTGCCCCTAGCAGCATGAAG
ATCAAGGTGGTGGCACCTCCTGAGAGGAAGTACAGTGTCTGGATTGGAGGGTCTATCT
TAGCTTCACTCAGTACCTTCCAGCAGATGTGGATTTCAAAGGCCGAATATGATGAATCT
GGTCCTTCCATTGTTTCATCGTAAATGCTTCTGAGTTGTGTGAAGACAAACCCAATGGTA
TATCTTCCCTTTATTTTCGAAACCGTGTTCGATTAGAGTTCTGTTTGGTTTTTTTTTCAAGT
TTGGAGTAAAATGTTTGGAACTGTACTATGTTATAATATAGAGTTGGGTAATTTGTGATG
GGTGTATCTTAGGTTTTGCTGTTT

Figure S5. Nucleotide sequence of *HIS4* from *E. ulmoides*.

GGGAGGCTGGTCATTCAATCTTCGTCTCTCTCTGGTTTTCAAGCTCCGGCGAATTTT
TCCGAACAGCTAACGACGATGTCCGGCCGTGGAAAGGGAGGCAAGGGACTGGGAAA
GGGAGGTGCGAAGCGGCACCGTAAGGTCCTCCGGGACAACATCCAGGGAATCACGAA
GCCGGCGATTTCGTCGTCTGGCTAGGAGAGGGCGGAGTCAAGCGTATCAGCGGCCTCATC
TACGAGGAGACTCGCGGAGTCCTCAAGATCTTCCTCGAGAACGTGATCCGCGACGCCG
TCACCTACACCGAGCACGCCAGGAGGAAGACGGTGACCGCCATGGACGTCGTCTACG
CTCTGAAAAGGCAGGGAAGGACTCTCTATGGTTTCGGCGGTTGATCAAGTTAGCTTTA
GATCTGGATGTATATACTATATTGTAAGGATTAGATTCTGTTAGTCTTTTGAATCTCCTA
GTGTTTGATTTTCAATTAGAATTCGATCTGTCTTACTACAATCTATCCGGTTGTTCTTCGT
TCAATTCTCTAATCACATGCTACTTTTTTGTTCATCCATTTGTTTGCGGATTGTGATTTA
CTCTTATTACGTATGCTATGATTGTATTAGAACTTCAAATTTCTTGTTGCCGTTTGAACA
ATCTTGGTATAATTTGATCTAAATCAACGACGGATTGGGTTTGATTTTTATCTAAAATAA
GGAAATGATTAATTTAGGCAAAATTGGATACTGTCCATGTTAGATATGGTGCACGCTGA
GTGTGCCATTAGGCATACACGGGGCCATTAGATTAGGCGCACACAGAGCATGATCGAG
TTGTTTTGAGTTCATTTTGAGATAGTATAGAGGACGACTGAGCTCTTAGGTTATCCTTTG
GCAGGAAGGAAGGAAAAGGAAAAGGGGATTTTTTTTTTTTTTTTCTGATTCTGATTTT
TGCGGAGG

Figure S6. Nucleotide sequence of *HIS2B* from *E. ulmoides*.

TTGAAACGACAAGATCCATGAAATTAGAAAATTTTACACAAATTCAGGATTGTATTCCA
TATCTGTAATACACAAATTGGACAAAGAGGATCCAAAACAATCTTCAAAAGCAGAACA
CAAGCCAAAAGAGGCAGAAATAACCAAAAAGGAACAAATATTTAACTACAATAATA
CTAACCTAATCCTAGCAATTGGTATTCAGATATGCAGAGAATTGAAACACCGGATTCA
GCAATTACCAACAGTGTCTTCAGGAGCTCGTGAATTTTCGTCACGGCCTTGGTCCCCTCA
GAAACAGCGTGCTTGGCCAATTCGCCGGAAGCACCAATCTCACGGCGGTCTGGATCT
CCCGGGAGGTGATTGTCGGCTTCTTGTTGTACCTTGCGAGCCTCGACGACTCCTGAGC
AAGCTTCTCGAAGATATCGTTGATGAAGCTGTTCATGATGCCCATGGCCTTGCTCGAGA
TCCCGATGTCGGGGTGGACCTGCTTGAGGACCTTGAAGATGTAGATC

Figure S7. Nucleotide sequence of *TUB* from *E. ulmoides*.

GGTTCTAAATTTGACCCTCCTAACACAACCTTATCAAAGAAGATGATGGTGTCTCCTTGG
ATGGGAAAAGGAACATTATATATTTTTCCAAAAAAACCCAAAGATTCATTCACAACCCA
AGACGACGACGCAAAGGGCACAATTTAAAGCATAATATGCGAATAGAAACACCAATG
ACAAAATACACAACAATCCAAAATACAACCATTTTCAGAGCACCAAGTTTCACAATT
TTTAAAAGCACCAAATCTCCCCAACCTACAGACAAGATAGTAAGAAAAACTGGTAGT
CGAGGTTACAACCACAAGCCTATTACTTGCTATATGACAAACTAACACATAATAAGCC
ATTCAAATTCACCATCACATTACCTTTTCAACCCCCCTCCCGTCCATACTCTCACTCCTG
ATACTCCTCTTCATCCTCGTACTCTCCCTCCTCATCGGCCGTCGCATCCTGATACTGCTG
ATACTCCGCCACCAAATCATTCATGTTGCTCTCCGCCTCAGTGAACCTCATCTCGTCCAT
CCTTTCTCCGGTGTACCAATGCAGGAAAGCCTTTCGCCGGAACATCGCCGTGAACTGC
TCGCTCACCCGCCGGAACATCTCCTGGATCGAGGTTCGAGTTGCCGATGAAAGTCGAAG
CCATCTTCAATCCGGTCGGAGGAATGTCACAGACGGTGGATTTGACGTTGTTTGGGATC
CATTCGACGAAGTAGGAGGAGTTCTTGTCTGGACGTTGATCATCTGCTCGTCGACTTC
CTTCGTGCTCATCTTACCGCGGAACATGGCGGAGGCCGTCAGGTAACGGCCGTGACGG
GGATCGGCGGCGCACATCATGTTTTTGGCGTCCACATCTGCTGGGTGAGCTCTGGAA
CGGTAAGGGAACGGTATTGCTGCGACCCACGGGATGTGAGTGGAGCAAACCCGACCA
TGAAGAAGTGGAGTCTGGGGAAGGGGATGAGATTGACGGCGAGCTTCCGGAGATCGG
AGTTCAGTTGTCCGGGGAATCGCAAGCAGCAGGTAACGCCGGACATTGTTGCAGAAAT
CAAGTGGTTCAAATCGCCAAAGCTTGGAGTTGTGAGTTTCAGAGTACGGAAGCAAATA
TCGTAGAGAGCTTCGTTATCCAGAACCATACTCGTCGGCGTTTTCAACCAGTTGATG
GACGGACAAAGTCGCGTTGTACGGCTCAACCACAGTGTCCGGAGACCTTCGGAGATGG
AAACACGGAGAAGGTGAGCATCATCCGATCTGGATATTCTCTCTGATTTTGGAAATCA
GAAGGGTACCCATTCCAGATCCAGTTCCTCCTCCAAGCGAATGACAGACCTGAAATCC
TTGAAGGCAATCACAATTTTCCGCCTCCTTGC GGACAACATCGAGAACCGAATCGATC
AACTCAGCGCCCTCGGTGTAATGTCCTTTCGCCAATTGTTTCCGGCGCCGGATTGGCC
AAAAACAAAGTTATCAGGACGGAAAATCTGGCCGTAAGTTCCAGATCTGATGCTGTCC
ATCGTTCCAGGCTCAAGATCCATGAGCACAGCTCTAGGAACAAACCTTCCGCAACTCG
CTTCATTGTAATAGACATTGATTCTCTCAAGCTGCAGATCTGAGTCGCCGGTGTATCTTC
CGGTGGAATCGATGCCGTGTTCCGGCACACCACTTCCAAAACCTGGATCCGATTTG
GTTGCCGCATTGGCCTCCCTGGATGTGAAGAATCTCTCTCATCTTTCCTTCTAATTGCGA
AGAAATTTACAGAAGAAAGGGTGGAAATAGAGAGAGAG

Figure S8. Nucleotide sequence of *UBC* from *E. ulmoides*.

GAATCCCAATCTGGCATGCACCACAAAATACAAATTTACGCATATTCAAATGCGCTGC
AATCCAGTTGTCAAGTAAAAAAGAAAGAGTTGAACAGACGACAATGAGCCTTACAA
TCTCTTCAAACCTCTTCTCCTGGCATCAATTTTCTTTTGTTCGGCCTGAACCTTTGCCAA
CCCAACTTCTTTCTTTGGCATCGCAACAACCTTGTTCTGCTGACCCGCTAACTCCCGTTT
CGTTTGTGAAATTTCTAGCAACTGGCGGCTTATCCTGACCACTTCCTCCTTTCATGGTGT
TAGAAGAAGGTGCCAACGGACATGCTGATTGGACTACAGCACCACCCACTCCCGCATT
CTTTTGGTCCACACTATAAACTGGGGCATTGTCTGATCGACATTCAAGACAGTAGTTG
ACTCCGAAATAGCTCCTGATTTGAACTTGGGTTTTGGCTTGAGAGCATGAATTCAGTG
TAAAGCCTGTGTTTTTTAAGCCAAAGAAACATCCTCAAGTCACACAGTATCCAACAAC
TACAGATAACATGACGCAAAATTCTAAGTTTTTAACGTAGATGCACATTTCTTGAGAGA
AATCCAGTAGTCAACTATGACCCAAACCTGCGCTCCCATTTATCTTCAAACCTAAGCTTAT
TTCATCCTCTTCAATCTTCCGAATAAACAAGAATATAGACATCAATAACAAAATATTTTC
AGAACGAGTACAAGTTTTTCAAGTATTTTCATCAGTAGTTTTCAATATTTTCATCAGTGCTTTG
TCGATTACGAAAATTATATTGCATGCAATCGGTTATATTGGTCATTTCTAATGATCTTAAC
AACCCGTTTCTAATAGGTTGACAGACCATCTTAAAAAATTTGGGCCTGTTTGGTCATCT
TCAGAAAACAGTTCTAGCTTTCTGGGGGAAAAAATGGCTTCACCTTTCGCAACACAAT
TTGAACACACTTCATAAAACAAAAACCTTTAACAATGCTCAATCAATCGCCTCAACC
ACATTTTTTACAATTTTCATCACATCACCTCTAACTTTGAATTTGTTATCACATTATTATTT
TTTTTTTTGGGTGGGTGGGTGAGTTTTGGTTATGTAAACCAAACAACCTTTCCAAAATTATT
TTTCAGAAATTATTTTCAGATTTACCAAAAAATATTTCAAATAGGCCCTTTACACTCAA
CTTCTCTTCTTAAATTTATTATCTTTTTTTCTACTTTTTCTTTTATTTATTTATATGAATAA
ATAAATATATATATAATTTAAAATGTACGAAATATAATTTAATTCGACTGTTTTGGAAGTT
GGGGTCAAATTCGATTTATCCATTTTTTTCTCAAATCAGTCCCAATACTTTACGAAAAAA
ACATAAGAAAATATCATATTTTATTATATTGACTAGAGATTCTCGGTGAATAAAGGGAATA
TGCT

Figure S9. Nucleotide sequence of *UBA52* from *E. ulmoides*.

CTGCGCTCCCGTCCCATATAAACAAACCTCAAAGCAAACCCTCGTAGCCCCCGAGCG
TAGCAGACAGAGAAGGACCAAGAAAATGCAGATCTTCGTGAAGACCTTAACTGGGAA
GACTATCACCCCTCGAGGTTGAATCCAGCGACACCATCGACAATGTTAAGGCCAAGATT
CAGGACAAGGAAGGTATTCCGCCGGACCAGCAGAGGCTGATCTTTGCAGGGAAGCAG
CTCGAGGATGGCCGTACCCTCGCAGATTACAACATCCAGAAAGAGTCAACTCTTCATC
TTGTTCTGAGGCTTCGAGGTGGCATTATTGAACCATCTCTGATGGCATTGGCCAGGAAA
TACAACCAGGAGAAAATGATCTGCCGCAAATGTTATGCACGGTTGCACCCACGTGCTG
TCAACTGCAGGAAAAAGAAGTGTGGACACAGCAACCAGCTGAGGCCAAAGAAGAAG
ATCAAGTAGAGTAGTTGGTGTGAGGAAAAATTGCTAACCATTGTAGTGGGTCGCTGGA
TGTCTTATCTGAACGATGGTAGCATCAAACAGTTCGCTAGTAGAATTCTAGAAATCCGA
CATGTAGTACAGTGTTACTTAATATGCTTTGAACTTTTTGGGCGTTGAATATGCCGTGAC
GTTTTGAGTCATTTTTTTTTGGTGTGAAATCAAACCTATGCTTTTTGTTTAGTTTTATGTGG
GTTCTGTTGCTTAATTATGTTTGGTTCCTTGAGCTCTTCAATTTGAGGCGTTGGAA
TGAAAGACTGTCTGACTGTGTAAGACGGATTTTGTGGGAA

Figure S10. Nucleotide sequence of *UBA80* from *E. ulmoides*.

GGA ACTCCGCCATCAA AATCCAAAATTCATATCAA AAGCAAGCAACAGGAAAGGAAA
AAAACAGAATTGAAGATCCAGAACATGTTTCATCAATGGAGGAACATCTGAAA ACTAG
AAATTTTAAGCAGAAATTGAATCTCTAATCGGCGCCCGCCTTATTGTAAACATAGGTGA
GGCCACACTTACCACAGTAGTGACGATCAAAGTGATTTCGCCATGAAAGTCCCTGCACC
GCACTCGGCGTTCGGGCACTCCTTCCTCAGCCTCTGCACCTTCCCCGAATCATCCACCT
TGTAAGAACTGAAGCACGGCGAGCTTCACCTTCTTGTGCTTGTGCTTGATCTTCTTCGGC
TTGGTGTAGGTCTTCTTCTTCTTCTTCTTCGCACCGCCGCGGAGCCTGAGGACCAGGTG
GAGGGTGGATTCCTTCTGGATGTTGTAGTTCGGCTAGGGTTCTGCCGTCCTCGAGCTGCT
TTCCGGCGAAGATGAGGCGCTGCTGGTCCGGCGGGATTTCCTTCTTGTCTTGGATCTTG
GCCTTGACGTTATCG

Figure S11. Nucleotide sequence of *UBC E2* from *E. ulmoides*.

GGAGTGTGAATTTTTCTATGCAGACTCGAACAAATGCTCTCTCTTTTTCGAATAGATAAATAGTTTTTCAGA
TGAAAACAAAGTCGTTTCAGCTCCAAAGAATCGTTTGCTGAGGGCGATCGCAGCGTCTTTTCCTCATT
TTCTGTGTCTCCGATCGATGGGGTCGCCGCCGATGGCCACATACATCCTCCCGAATTCTAAGAAAAGGC
TGTCAACTGAGGGAACCTCTCCGTTTTGGGAGCCGGATGTTGAGGAAATTGCGCCGCCAATATCATGG
AATTCGATGTCGAAGTCGAAGTCGTTAAACAAAAGAGGGAATTTTTTACGAAGTAATTGATGTTGA
CATGGATGAAGATTGTTTTGATGTTATGTATACTGATGGGAAGATTGACTCAAATAATAAGGGAAAGGA
AGTTTTGGTCGATTCTTTGTTCAATCCTAGCAGTACAACACAAGCAGGAATCGGTGGAGGGGT
TTCCGCATTCTCTTAAGGCCTTAATCCAGGATTACATAGTATGGTTAATCCAGATGGTACAAGTTCCAA
TTGTTCTTATGGTGATAGTATTGATATCAATATGAATCATGATGATTCTCGTTGGATGATGACCCCTACC
ATCGTTTGCAATCTTATTTTGATAACATGGATGTTCTCTCTGGTGTAGAGGCTCCAGTGCCTTGGTTGCT
AGACCTTGTTCAAATAGTATGACTCTTTCTACCACTAGCAGTTCAACCCCTTTAAGTTTAGGGATTGAA
TCAGATGCTGCAGGAATCCCCCTGTTCCAGAATTTTCTCACTCCACGTGGACGCCAAATCCTACTCAG
AGAATTTTGGAGTCAACCTCAAGCACTGATTTGGGTTTTCAAACACCACCATATGGACTGGAAAATCT
TGACAAGTCTGATGTCTTTCATTTTCAGTTGTTTGTGAAACCTTGTGGTCCTTCTCAAAGGAAAAAGA
AATCAACTGCTTCAGGCAGTTCAGTTTTTCGAATTTTCATAAGAGAGTTACCGGTAGTTTTCTGTGG
AGGAACCTTCAAATCTCGACACGGTGATTCTACCTTCGTAAAAAGGAAGCATATTTTCCAACCAAGT
ACATCATCTTATAGCTCAAATGGCCATGCTGGTGGGTTTTCGTTTTCAAATGGCACAAACAAGCAAGTT
GGTAATGGTGGTTCAAGTTTTTATATGCAAATGGATGTAAATAACGTTCTTTCTGGAGTAGAAGAAGAC
TCCATCCCTGATTTGGGGGGTTTTCTGGAGTTTCCCATGACTGTGATGGAGCAAGATCCTACGAAGTTC
TTTGATGCATCGGGTGTGGAACATGTTTCCCGGGGAGATGGCTTATAGCTCCTGGGACTCTGATCCT
TATGAAACTCAACAATGTGCGACTGCTTCAGCAAGTGTGACGATGACAGAGGATGAAATTTTCGAGAA
GTTTGATGCATTTAAGAAGTTTGACACTGTTCAAGATCATTAGATCATCACTATTCAAACCCTGGTTCT
TCAGCCGGGCAGGTAATTGATATAAAAAACATATATCATATACTCCACCTTCCCAGAAAACCTATTAG
GTTGGACTCATATATCTAAGTTATTTACTATGATTTAATTGCCTTCAATTATAAGTTGTGTTTCATCGATT
CAAGTAAATGGATTCACCTCCCGTTTGCTGTGCTGAAGAGAATATAAAGAATTGATTACCACAGATGTT
TTACGGTGTGGAAATTCATTGCATTAGGCTCCTTGTTATTTTCTGTTGGCAGCCATCAAAGAATTGG
GCGAAGAAAATACAGGAGGAATGGAAGATCCTAGAGAAGGATTTGCCTGATACGATATTTGTTAGGGT
TTATGAATCCAGGATGGATCTCTTGAGGGCTGTAATTGTAGGAGCAGAGGGGACACCATACCATGATGG
TCTTTTCTTCTTTGACGTTTTTTTTCCCCACCACCTATCCTAATGTCCCGCCGCATGTGTGGTACCACTCT
GGTGGTGTTCGAATCAACCCAAATTTGTACAACAATGAAAAGTTTGCCTGAGTCTCCTTAACACCTG
GAGTGGCAACCACCGAGAGAAGTGGATCCCTGGTGTGTCCACCATGCTCCAAGTTCCTGGTCTCTATAC
AAGGGTTGATTTGAATGCAAAGCCTTTTTCAACGAACCTGGATATGCGAGTATGGCTGGGTCAAGT
AGTGGAGAAAAGAGATCCCTGCAGTACAATGAGTCTACGTTTATCCTATCACTGAAAACCTATGGTCTAC
TCTATGAGGAAACCACCAAAGCATTTTGAGGACCTTGTTGTCTGGGCATTTCCACAAGCGAGCTCATGA
TATTCTAGTGGCATGTAAAGCATAACATGGACGGGGCTCAAGTAGGGTGCCTTGTTAAAGGTGGTATTCA
GGATGTTGACGAGGGCGATAAGAGCTGCTCACATTTCTTTAAGACATCGTTAATGGGTTTCACTAAAAC
TCTTGTCAAAGCGTTTGCACGAATTGGAGTGAAGGATTGTGAGAAATTCCTTGCGCCAGTACAGAAAT
CATGACAAGGAAAACAGGCACTATGATATAACAGGGTTGAGTCTTTATTTTATTTTATTTTTTTGGGCA
AAATTAAGGTTTATTAGACACAAGAACAATTTCTGCAGGTAATTAGTTAAATTCACCATTGTAGTG
GACTTTGATGATTTCCGGGATGC

Figure S12. Amplification of qRT-PCR specific primers.

Amplified fragments of 11 candidate reference genes in *E. ulmoides* were separated by 1.2% agarose gel electrophoresis. Lane 1: Marker 50; Lane 2: *TUA*; Lane 3: *18S rRNA*; Lane 4: *ACT97*; Lane 5: *ACT*; Lane 6: *HIS4*; Lane 7: *HIS2B*; Lane 8: *TUB*; Lane 9: *UBC*; Lane 10: *UBA52*; Lane 11: *UBA80*; Lane 12: *UBC E2*.

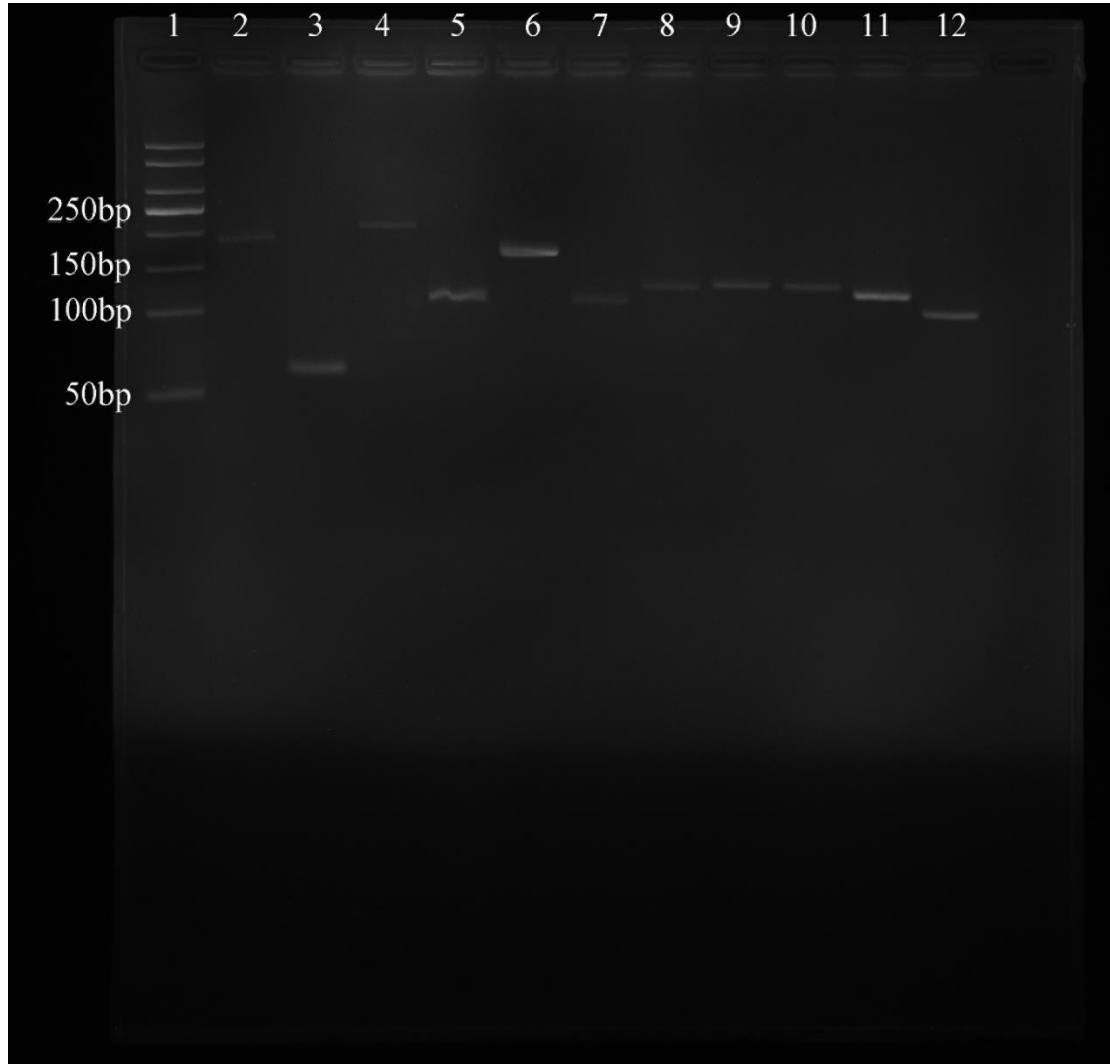


Figure S13. Melting curve for 11 candidate reference genes.

The melting curve for *TUA*, *18S rRNA*, *ACT97*, *ACT*, *HIS4*, *HIS2B*, *UBA80*, *UBA52*, *UBC*, *UBC E2*, *TUB* with single peak obtained from three technical replicates of different cDNA with no template control.

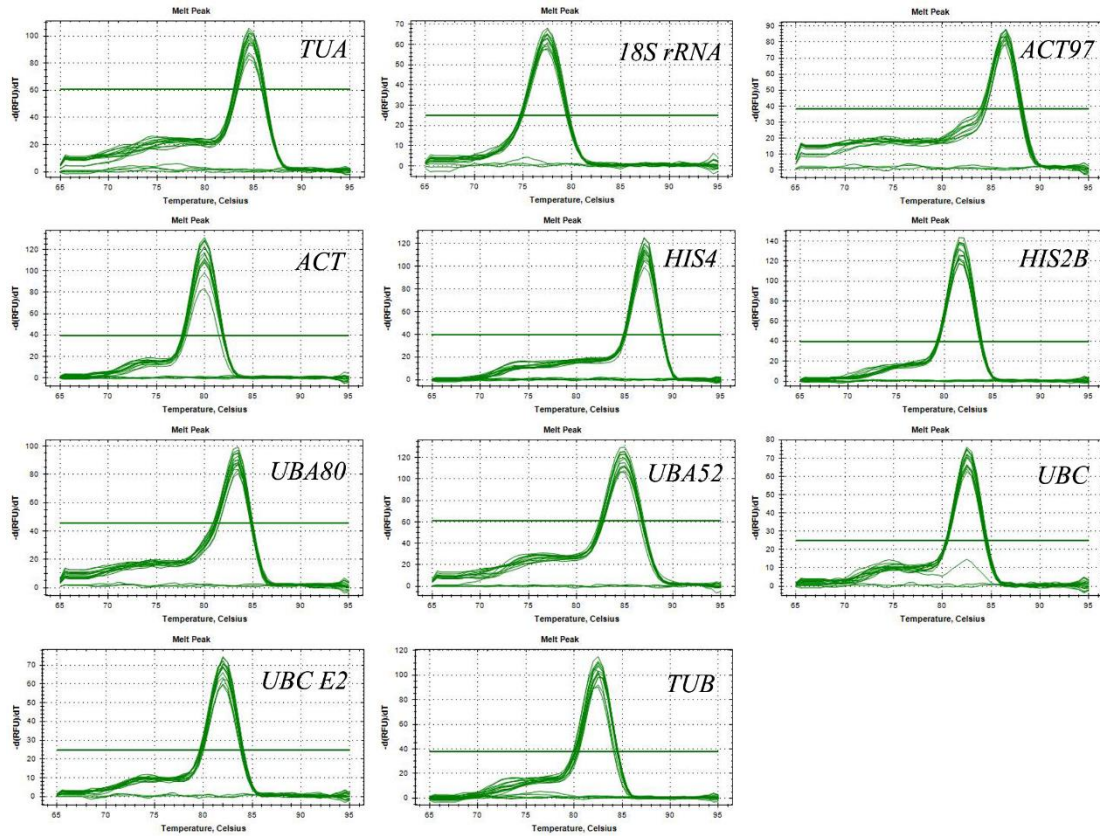


Figure S14. Standard curves of each candidate reference genes.

Standard curves of *TUA*, *18s rRNA*, *ACT97*, *ACT*, *HIS4*, *HIS2B*, *UBA80*, *UBA52*, *UBC*, *UBC E2*, *TUB*. The linear correlation (R^2) and PCR efficiencies (%E = $(10^{[-1/\text{slope}]} - 1) \times 100\%$) were calculated from the standard curve.

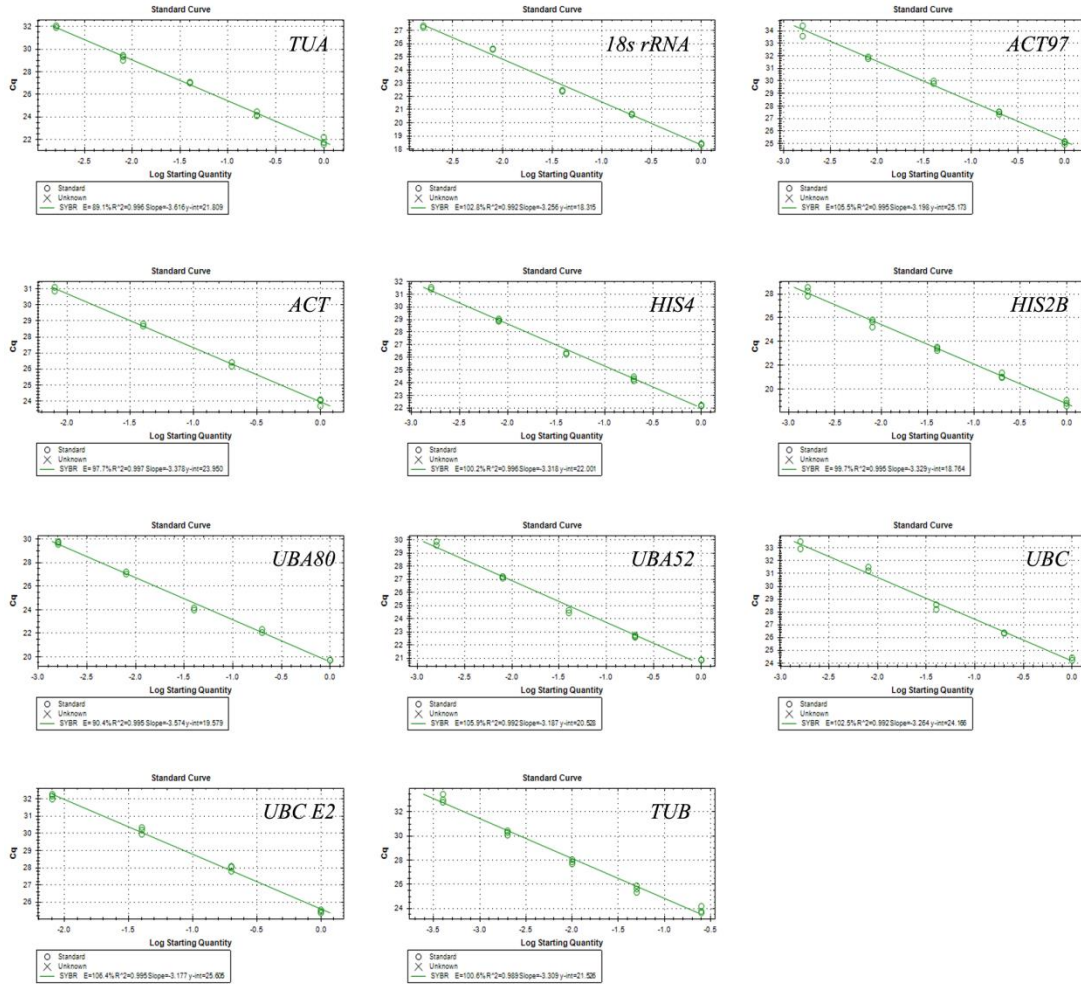


Figure S15. The average expression stability values (M) of the candidate reference genes analyzed by geNorm.

Expression stability was evaluated in samples from *E. ulmoides* submitted to total samples, total natural growth samples, total abiotic stresses samples, different varieties, different periods, different tissues, drought stress, cold stress, salinity stress. The most stable reference genes were measured during stepwise exclusion of the least stable reference genes. The least stable genes with highest M values, and most stable genes with lowest M values.

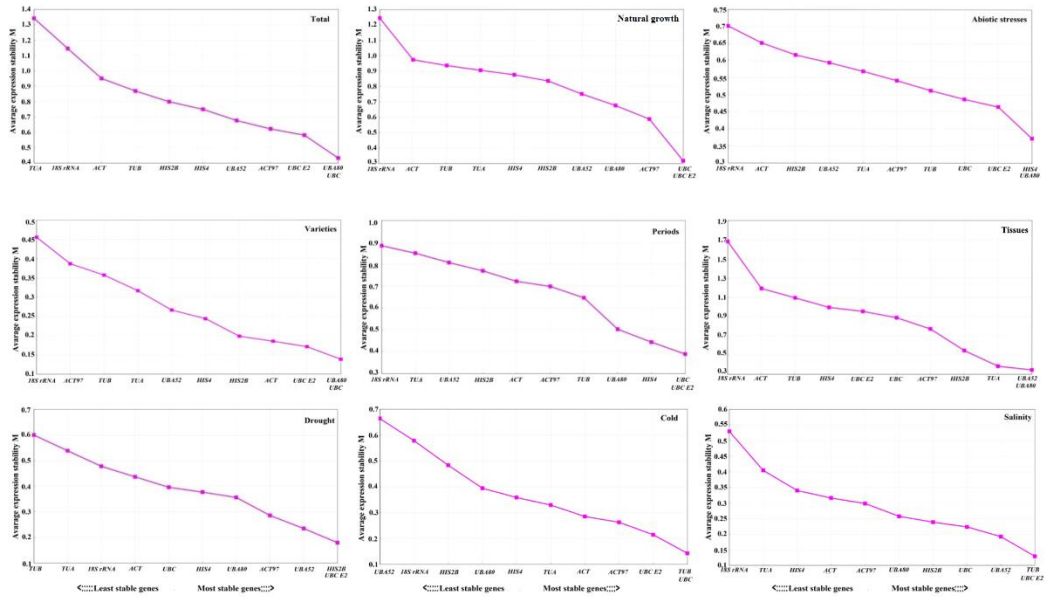


Table S1. Primer sequences for cloning of 11 reference genes from *E. ulmoides*.

| Gene symbol | Primer sequence (5'-3') forward/reverse | Amplicon length (bp) |
|-----------------|----------------------------------------------------------------|----------------------|
| <i>TUA</i> | GGAGCGTCTCTCTGTTGATTATGGT ACAGTGAATGAATTGTTGAAAGGTCC | 1171 |
| <i>18S rRNA</i> | AAGCTCGTAGTTGAACCTTGGGC CTCGCTCCCTCCTCTGCCTA | 432 |
| <i>ACT97</i> | AGATGATGCTCCACGGGCTGT CCAAACAGAACTCTAATACGACACGGTTTCG | 1137 |
| <i>ACT</i> | AATTATATGGGACCGTCAAACATGC AAACAGCAAAACCTAAGATACACCC | 1314 |
| <i>HIS4</i> | GGGAGGCTGGTCATTCAATCTTC CCTCCGCAA AAATCAGAATCAGGAA | 951 |
| <i>HIS2B</i> | TTGAAACGACAAGATCCATGAAAT GATCTACATCTTCAAGGTCCTCAAG | 515 |
| <i>TUB</i> | GGTTCTAAATTTGACCCTCCTAACACAAC CTCTCTCTCTATTTCCACCCTTTCTTCTG | 1793 |
| <i>UBC</i> | GAATCCCAATCTGGCATGCACC AGCATATTCCCTTTATTCACCGAGAATCTC | 1434 |
| <i>UBA52</i> | CTGCGCTCCCGTCCCATATAAA TTCCACAAAATCCGTCTTACACAGTCAGAC | 799 |
| <i>UBA80</i> | GGA ACTCCGCCATCAA AATCCAA CGATAACGTCAAGGCCAAGATCCA | 542 |
| <i>UBC E2</i> | GGAGTGTGAATTTTTCTATGCAGACTCG GCATCCCGAAATCATCAAAGTCCACT | 2713 |

Table S2. Raw Cq values of 11 reference genes in *E. ulmoides*.

| | <i>18S</i> <i>rRNA</i> | <i>ACT</i> | <i>ACT97</i> | <i>HIS2B</i> | <i>HIS4</i> | <i>TUA</i> | <i>TUB</i> | <i>UBA52</i> | <i>UBA80</i> | <i>UBC</i> | <i>UBC</i> <i>E2</i> |
|------------|---------------------------|------------|--------------|--------------|-------------|------------|------------|--------------|--------------|------------|-------------------------|
| variety1-1 | 25.99 | 24.49 | 25.41 | 24.20 | 19.65 | 21.09 | 23.60 | 21.36 | 21.41 | 23.91 | 23.12 |
| variety1-2 | 26.16 | 25.19 | 25.76 | 25.55 | 20.71 | 22.24 | 24.60 | 21.95 | 22.11 | 24.72 | 23.09 |
| variety1-3 | 26.54 | 23.82 | 25.27 | 24.39 | 19.70 | 21.06 | 23.70 | 20.74 | 21.11 | 23.74 | 22.63 |
| variety2-1 | 25.44 | 24.40 | 24.92 | 24.53 | 20.05 | 21.30 | 24.06 | 21.44 | 21.50 | 24.29 | 23.09 |
| variety2-2 | 25.94 | 25.05 | 25.63 | 25.36 | 20.83 | 22.02 | 24.87 | 21.28 | 21.70 | 24.79 | 23.20 |
| variety2-3 | 25.24 | 25.29 | 24.98 | 26.70 | 21.34 | 23.16 | 24.55 | 22.78 | 22.32 | 24.63 | 23.49 |
| variety3-1 | 26.25 | 24.06 | 24.60 | 23.88 | 19.31 | 20.42 | 23.54 | 20.76 | 20.90 | 23.34 | 22.61 |
| variety3-2 | 28.42 | 24.46 | 25.43 | 24.41 | 20.09 | 21.41 | 24.55 | 20.61 | 20.61 | 24.02 | 22.86 |
| variety3-3 | 24.48 | 23.54 | 24.92 | 25.21 | 20.67 | 21.61 | 24.05 | 21.33 | 21.35 | 24.12 | 22.89 |
| variety4-1 | 26.28 | 24.04 | 24.42 | 24.62 | 20.49 | 20.66 | 23.10 | 22.05 | 21.52 | 24.12 | 22.94 |
| variety4-2 | 27.42 | 24.25 | 24.69 | 25.09 | 20.84 | 20.75 | 23.34 | 21.95 | 21.48 | 24.33 | 22.89 |
| variety4-3 | 25.78 | 24.32 | 24.60 | 25.05 | 21.04 | 21.13 | 23.54 | 21.95 | 21.42 | 24.54 | 22.91 |
| Period1-1 | 24.50 | 25.26 | 25.45 | 23.99 | 19.59 | 21.63 | 26.51 | 21.46 | 21.49 | 24.09 | 23.03 |
| Period1-2 | 24.50 | 25.08 | 25.95 | 24.22 | 20.84 | 21.72 | 25.46 | 22.57 | 22.72 | 25.05 | 23.70 |
| Period1-3 | 24.50 | 25.56 | 26.46 | 24.45 | 20.49 | 21.81 | 25.39 | 21.91 | 22.03 | 24.45 | 22.98 |
| Period2-1 | 25.65 | 24.43 | 25.04 | 24.39 | 20.15 | 21.48 | 24.65 | 21.50 | 21.43 | 24.27 | 23.06 |
| Period2-2 | 25.51 | 23.50 | 25.13 | 23.85 | 19.45 | 24.18 | 24.07 | 20.57 | 20.99 | 23.75 | 22.33 |
| Period2-3 | 25.38 | 25.75 | 25.22 | 24.12 | 21.58 | 23.50 | 24.70 | 22.63 | 22.59 | 24.66 | 22.89 |
| Period3-1 | 24.18 | 24.21 | 25.58 | 25.08 | 20.79 | 21.13 | 24.19 | 23.20 | 22.34 | 25.32 | 24.01 |
| Period3-2 | 23.68 | 24.10 | 25.49 | 24.11 | 20.24 | 24.07 | 24.36 | 22.84 | 22.46 | 25.06 | 24.18 |
| Period3-3 | 23.17 | 23.33 | 25.67 | 24.59 | 20.52 | 19.03 | 24.28 | 23.02 | 22.40 | 25.19 | 24.09 |
| Period4-1 | 24.65 | 24.46 | 25.70 | 24.20 | 20.16 | 21.52 | 25.38 | 22.91 | 22.47 | 25.08 | 23.15 |
| Period4-2 | 24.43 | 26.99 | 25.96 | 24.24 | 20.08 | 22.49 | 25.06 | 23.77 | 23.33 | 25.34 | 23.25 |
| Period4-3 | 24.22 | 25.45 | 26.21 | 24.16 | 20.24 | 23.45 | 24.73 | 24.64 | 24.18 | 25.60 | 23.36 |
| Period5-1 | 23.52 | 24.21 | 23.79 | 26.29 | 21.39 | 24.63 | 25.44 | 24.05 | 22.99 | 25.14 | 24.18 |
| Period5-2 | 24.12 | 23.77 | 24.46 | 25.67 | 20.38 | 25.48 | 23.42 | 22.84 | 22.19 | 24.48 | 23.35 |
| Period5-3 | 24.72 | 25.36 | 25.14 | 25.98 | 20.89 | 25.32 | 24.85 | 24.55 | 22.59 | 26.08 | 24.49 |
| Bark-1 | 21.80 | 23.84 | 25.49 | 25.63 | 22.27 | 22.94 | 23.02 | 22.38 | 21.88 | 23.92 | 22.91 |
| Bark-2 | 20.61 | 22.66 | 25.24 | 24.96 | 21.97 | 22.30 | 23.37 | 21.99 | 21.35 | 23.48 | 22.46 |
| Bark-3 | 21.09 | 22.92 | 25.31 | 25.28 | 22.28 | 22.54 | 23.22 | 22.12 | 21.51 | 23.58 | 22.60 |
| Branch-1 | 25.68 | 23.65 | 23.50 | 25.67 | 21.32 | 20.84 | 22.24 | 21.26 | 20.51 | 23.82 | 22.10 |
| Branch-2 | 26.79 | 22.87 | 23.16 | 24.54 | 21.34 | 20.43 | 22.27 | 21.11 | 20.35 | 23.35 | 22.12 |
| Branch-3 | 26.50 | 23.80 | 23.65 | 24.99 | 21.33 | 21.31 | 22.23 | 21.44 | 20.79 | 23.83 | 21.86 |
| Leaf-1 | 25.91 | 24.56 | 25.19 | 24.80 | 20.41 | 22.09 | 24.06 | 21.52 | 21.27 | 24.31 | 23.03 |
| Leaf-2 | 25.74 | 24.88 | 25.66 | 24.96 | 20.51 | 21.81 | 24.49 | 21.44 | 21.72 | 24.13 | 23.05 |
| Leaf-3 | 25.95 | 25.88 | 25.57 | 24.90 | 20.45 | 21.90 | 24.34 | 21.45 | 21.54 | 24.20 | 23.04 |
| Root-1 | 22.21 | 25.08 | 28.21 | 29.04 | 24.23 | 26.95 | 29.17 | 26.53 | 26.10 | 26.36 | 24.53 |
| Root-2 | 22.51 | 25.67 | 27.72 | 28.88 | 23.98 | 26.65 | 29.24 | 26.54 | 25.92 | 27.02 | 24.63 |
| Root-3 | 22.36 | 25.38 | 27.22 | 28.96 | 24.03 | 27.25 | 29.21 | 26.52 | 25.74 | 25.76 | 24.58 |
| Cold0-1 | 25.72 | 25.02 | 26.32 | 28.57 | 23.24 | 27.36 | 25.06 | 23.06 | 23.99 | 26.67 | 24.84 |

| | | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cold0-2 | 25.65 | 24.92 | 26.28 | 28.63 | 23.2 | 27.41 | 25.02 | 23.11 | 23.92 | 26.71 | 24.75 |
| Cold0-3 | 25.79 | 25.12 | 26.36 | 28.51 | 23.28 | 27.31 | 25.10 | 23.01 | 24.06 | 26.63 | 24.93 |
| Cold2-1 | 22.81 | 24.99 | 26.54 | 27.18 | 22.26 | 26.93 | 24.86 | 24.91 | 22.55 | 26.23 | 24.32 |
| Cold2-2 | 22.84 | 24.93 | 26.57 | 27.21 | 22.33 | 27.06 | 24.90 | 24.93 | 22.48 | 26.30 | 24.27 |
| Cold2-3 | 22.87 | 24.87 | 26.60 | 27.24 | 22.38 | 27.19 | 24.94 | 24.95 | 22.41 | 26.37 | 24.22 |
| Cold6-1 | 25.03 | 24.94 | 26.35 | 27.40 | 22.76 | 27.30 | 24.67 | 23.23 | 22.99 | 26.04 | 24.64 |
| Cold6-2 | 25.11 | 25.02 | 26.32 | 27.47 | 22.71 | 27.25 | 24.61 | 23.25 | 23.00 | 25.95 | 24.60 |
| Cold6-3 | 24.95 | 24.86 | 26.38 | 27.33 | 22.81 | 27.35 | 24.72 | 23.21 | 22.98 | 26.13 | 24.68 |
| Cold9-1 | 24.22 | 24.37 | 25.86 | 26.59 | 22.16 | 27.08 | 24.73 | 23.85 | 22.91 | 26.21 | 24.38 |
| Cold9-2 | 24.32 | 24.49 | 25.96 | 26.52 | 22.24 | 26.96 | 24.89 | 23.81 | 23.07 | 26.13 | 24.54 |
| Cold9-3 | 24.27 | 24.43 | 25.91 | 26.66 | 22.08 | 27.20 | 24.81 | 23.83 | 22.99 | 26.17 | 24.46 |
| Cold12-1 | 24.05 | 24.28 | 26.15 | 25.83 | 21.82 | 26.25 | 24.67 | 23.65 | 22.49 | 26.34 | 24.71 |
| Cold12-2 | 23.96 | 24.35 | 26.08 | 25.79 | 21.89 | 26.21 | 24.69 | 23.58 | 22.57 | 26.39 | 24.74 |
| Cold12-3 | 24.14 | 24.21 | 26.23 | 25.75 | 21.75 | 26.29 | 24.65 | 23.72 | 22.41 | 26.29 | 24.68 |
| Drought0-1 | 24.41 | 24.09 | 26.20 | 27.81 | 23.19 | 26.42 | 24.39 | 24.25 | 23.25 | 25.61 | 25.06 |
| Drought0-2 | 24.35 | 24.16 | 26.13 | 27.74 | 23.15 | 26.44 | 24.35 | 24.28 | 23.16 | 25.66 | 25.00 |
| Drought0-3 | 24.47 | 24.02 | 26.27 | 27.88 | 23.23 | 26.40 | 24.43 | 24.22 | 23.34 | 25.56 | 25.12 |
| Drought2-1 | 24.26 | 24.16 | 26.01 | 28.09 | 22.81 | 26.57 | 23.57 | 24.05 | 22.96 | 25.54 | 24.91 |
| Drought2-2 | 24.22 | 24.20 | 25.95 | 28.17 | 22.77 | 26.60 | 23.55 | 24.07 | 22.92 | 25.59 | 24.88 |
| Drought2-3 | 24.30 | 24.12 | 26.07 | 28.01 | 22.85 | 26.54 | 23.59 | 24.03 | 23.00 | 25.49 | 24.94 |
| Drought6-1 | 24.04 | 22.64 | 25.40 | 27.43 | 22.67 | 27.24 | 24.23 | 23.62 | 22.92 | 25.73 | 24.34 |
| Drought6-2 | 24.08 | 22.69 | 25.31 | 27.48 | 22.63 | 27.18 | 24.19 | 23.64 | 22.86 | 25.75 | 24.31 |
| Drought6-3 | 24.00 | 22.59 | 25.49 | 27.38 | 22.71 | 27.30 | 24.27 | 23.60 | 22.98 | 25.71 | 24.37 |
| Drought9-1 | 24.32 | 22.49 | 24.89 | 26.90 | 22.73 | 26.69 | 24.80 | 23.21 | 22.49 | 25.45 | 24.01 |
| Drought9-2 | 24.28 | 22.53 | 24.81 | 26.95 | 22.70 | 26.76 | 24.84 | 23.24 | 22.45 | 25.50 | 23.96 |
| Drought9-3 | 24.36 | 22.44 | 24.97 | 26.85 | 22.76 | 26.62 | 24.76 | 23.18 | 22.53 | 25.40 | 24.06 |
| Drought12-1 | 25.01 | 23.00 | 25.53 | 26.68 | 22.89 | 27.63 | 25.31 | 23.35 | 23.16 | 25.66 | 23.58 |
| Drought12-2 | 25.00 | 22.96 | 25.50 | 26.72 | 22.91 | 27.72 | 25.36 | 23.32 | 23.11 | 26.70 | 23.55 |
| Drought12-3 | 25.02 | 23.04 | 25.56 | 26.63 | 22.87 | 27.54 | 25.26 | 23.38 | 23.21 | 25.62 | 23.61 |
| Salinity0-1 | 23.24 | 24.10 | 26.28 | 27.31 | 23.18 | 26.42 | 24.89 | 23.53 | 23.01 | 25.98 | 24.36 |
| Salinity0-2 | 23.18 | 24.17 | 26.22 | 27.25 | 23.21 | 26.32 | 24.94 | 23.51 | 22.95 | 25.92 | 24.40 |
| Salinity0-3 | 23.30 | 24.03 | 26.34 | 27.37 | 23.15 | 26.52 | 24.84 | 23.55 | 23.07 | 26.04 | 24.32 |
| Salinity2-1 | 24.44 | 24.64 | 26.67 | 27.01 | 22.44 | 27.28 | 24.29 | 23.07 | 22.42 | 25.74 | 24.06 |
| Salinity2-2 | 24.41 | 24.67 | 26.63 | 27.07 | 22.47 | 27.25 | 24.31 | 23.10 | 22.45 | 25.77 | 24.08 |
| Salinity2-3 | 24.47 | 24.61 | 26.71 | 26.95 | 22.41 | 27.31 | 24.27 | 23.04 | 22.39 | 25.71 | 24.04 |
| Salinity6-1 | 27.02 | 24.93 | 26.95 | 28.53 | 23.27 | 28.84 | 25.29 | 24.27 | 23.61 | 26.80 | 25.04 |
| Salinity6-2 | 26.99 | 24.96 | 26.91 | 28.56 | 23.22 | 28.87 | 25.24 | 24.29 | 23.59 | 26.84 | 25.07 |
| Salinity6-3 | 27.05 | 24.90 | 26.99 | 28.50 | 23.32 | 28.81 | 25.34 | 24.25 | 23.63 | 26.76 | 25.01 |
| Salinity9-1 | 24.10 | 24.52 | 26.59 | 27.43 | 22.24 | 27.26 | 24.32 | 23.50 | 23.30 | 26.30 | 23.89 |
| Salinity9-2 | 24.08 | 24.47 | 26.55 | 27.45 | 22.27 | 27.30 | 24.37 | 23.46 | 23.32 | 26.34 | 23.87 |
| Salinity9-3 | 24.12 | 24.57 | 26.63 | 27.41 | 22.21 | 27.22 | 24.29 | 23.54 | 23.28 | 26.26 | 23.91 |
| Salinity12-1 | 24.51 | 24.58 | 26.76 | 27.37 | 23.03 | 27.32 | 24.51 | 23.59 | 23.21 | 26.16 | 24.23 |
| Salinity12-2 | 24.53 | 24.66 | 26.71 | 27.33 | 22.98 | 27.28 | 24.48 | 23.63 | 23.17 | 26.24 | 24.27 |
| Salinity12-3 | 24.49 | 24.62 | 26.81 | 27.35 | 23.08 | 27.30 | 24.54 | 23.61 | 23.25 | 26.20 | 24.20 |

Table S3. Data statistics of Cq values of candidate reference genes in all samples.

| | N Total | Median | Mean | Std Dev | Minimum | Maximum |
|-----------------|---------|--------|-------|---------|---------|---------|
| <i>18S rRNA</i> | 84 | 24.45 | 24.64 | 1.36 | 20.61 | 28.42 |
| <i>ACT</i> | 84 | 24.41 | 24.33 | 0.88 | 22.44 | 26.99 |
| <i>ACT97</i> | 84 | 25.81 | 25.78 | 0.89 | 23.16 | 28.21 |
| <i>HIS2B</i> | 84 | 26.65 | 26.32 | 1.50 | 23.85 | 29.04 |
| <i>HIS4</i> | 84 | 22.24 | 21.88 | 1.24 | 19.31 | 24.23 |
| <i>TUA</i> | 84 | 26.41 | 24.95 | 2.71 | 19.03 | 28.87 |
| <i>TUB</i> | 84 | 24.55 | 24.60 | 1.17 | 22.23 | 29.24 |
| <i>UBA52</i> | 84 | 23.22 | 23.10 | 1.28 | 20.57 | 26.54 |
| <i>UBA80</i> | 84 | 22.56 | 22.60 | 1.08 | 20.35 | 26.10 |
| <i>UBC</i> | 84 | 25.59 | 25.36 | 0.99 | 23.34 | 27.02 |
| <i>UBC E2</i> | 84 | 24.05 | 23.86 | 0.83 | 21.86 | 25.12 |