

Table S4. Primer sequences and amplification efficiency of primers used for qRT-PCR.

| Gene | Locus ID in Sorghum* | Forward Primer | Reverse Primer | Amplification Efficiency in RIL105 | Amplification Efficiency in RIL112 |
|---------------|-----------------------------|-----------------------------|----------------------------|---|---|
| <i>SbCO</i> | Sb10g010050 | CGGTACGGTTCTATGGTTCTG | AACTACTTGTACTCGACCTTATC | 0.82 | 0.79 |
| <i>SbEHD1</i> | Sb01g019980 | CGTCAGGGAAGCAATGCCTTCAT | CTTCAGTTGGAAAGCACACATCGC | 0.88 | 0.81 |
| <i>SbCN8</i> | Sb09g025760 | AACTGTCAAAGGGAAGGTGGATCG | GACTAAGCTCTCAACCTTCAAGTC | 0.85 | 0.84 |
| <i>SbCN12</i> | Sb03g034580 | TGCATGCATGAATATCGTCGTCT | CCCGGGTAGTACATATAAGGTGGT | 1.03 | 0.91 |
| <i>SbCN15</i> | Sb10g003940 | GCTAGCTTATCCCGCATATTACCC | CCACCCAAACTGCATCCACTTTGAA | 0.83 | 0.80 |
| <i>SbGI</i> | Sb03g003650 | ATGCACCCGCTTCTAGTCATCTT | TTCAGGGCTGTCATGGTTCCTCAT | 0.85 | 0.84 |
| <i>SbTOC1</i> | Sb04g026190 | GAGTGCAGATGATTACTGCTCACTTTG | TGCTGCCTTGTGCCAGTAGAAGA | 0.78 | 0.79 |
| <i>SbLHY</i> | Sb07g003870 | GGCCTGCCTTACCATGAAGTTTA | GCACTGCATTGCAAGGTTTGAAGTCC | 0.81 | 0.82 |

* Gene Locus IDs in Sorghum are from Phytozome v9.1 (<http://www.phytozome.net/>).