

Figure S1 Comparison between amino acid sequences of PgMYB1 and their close homologs in plant species.

Figure S2 Comparison between PgGSTFs and their close homologs in plant species. Comparison of amino acid sequences of 18 PgGSTFs with their close homologs.

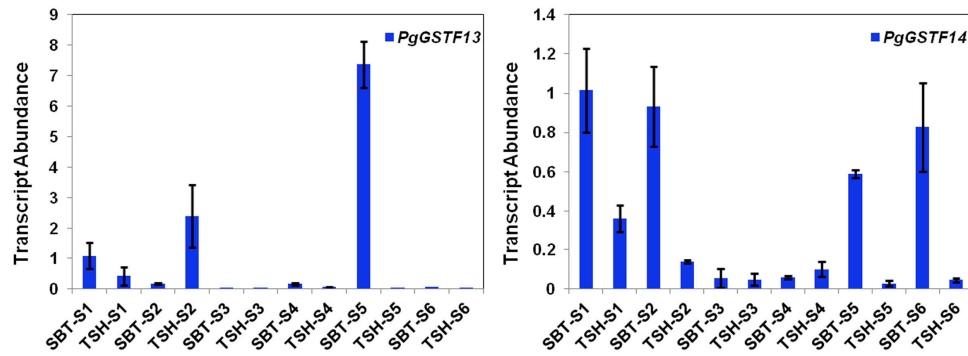


Figure S3 Expression pattern of *PgGSTF13* and *PgGSTF14* in different developmental stages of TSH and SBT. qRT-PCR analysis of *PgGSTF13* and *PgGSTF14* expression in different developmental stages of TSH and SBT. Error bars indicate \pm SD (n=3, from three technical replicates). Values in Fig. S3 were derived from experiments that were performed at least three times with similar results, and representative data from one repetition were shown.

proPgGSTF6

AGGAGAAGATGACGAGGACGAGGAAGGATGAAAGGAACCTCTAAGAGCAGTGAATCGAGCAG
AAAGATCATCGCCTAGGACGGTGTTTCAGCTCGTCGTCACCTTGAGGCGGAGGAGGTGAGGGT
TTTGGTCTGAGAGGGGATGGAGTCGGGGGAGGAGATTTGAGAGCTTGAAGTAGCGAGAGA
GATCGATGATTGAGGGAATGAAAAGTAGTGCGGGCTACGTGGGAGTTGAAGGAAAGCTTCAA
AAGGACATCGTCATGTGCGGCCTGCAGAAGCTGTTCCACTTCATCCATACCTGAAGGTGGATT
TCCGAGGGTCGGAGGGGGAGGTAATTGAGCAAGCCCTGAAACTCCATCTCCAAAAGGGAAAT
GACGAGGCATGAGTAGTTGGGATGAGGGAAGGTTTCCTCCTTTTTCTGGAGAAAAACGGGAT
GAAGTAGGGGCTGGAAGTAGCCGAGATTCACCGCAGGGGCAGATTGGAGAGAAGCTGAGC
GAGAAATGGAAGCTCGCATAAGGATAGGAAGAGGAAGAGGAAGACAAAGGAGAGGAAATTCA
TTTGAATTGGGACTGTGGGACGAAAGAGAAGGGGAAAGAGTGAGAGAATGAGAGAGAGAAG
GCATAGAAAGAAGATGATAATTTGAAGTTACATTAATTTGCCCAGCCATTACATCGATTCACTCT
CTGAACAAATTAACGGAACAATAACGCTATCTGCCCTTAGCCACTCAGACTAGATTGATGTAAC
CGGTGATTGATCTAATGTAACGCTACAACCTCAAGGACTTGTTGTTGCGAAAGTCGGGAACTAAAT
TGATGTAACCGAGCAAAGTCGAGGACCAATTTTATGTAACCGAAAAGTTATTGACGAAATTGAT
GCAAAAGTGCAAAAGTCGGGGACGAAATTGATGCAAAATATAAGTCGGGAATGAAATTGCCTATT
TACTCATGTATGATTGAACAAGTGCGACCATTGTGCCTTTGAAATTAAATTGTGGAATATACAAAA
GGTCGATTGTTGGCTCGTACAAAAGTTTTGTATGTAATGGATATATCAAGTGTCATTATGTGATAAG
ATATACTAAAACTATTTTTAACATGTCATAAATTTGTAATAACGCGTATTGATGTATTGAACACC
AATTAGTTTATGATACAAGTTGCATAATATAATCATTACATATAAGATTTTCTCGTTGGCTGAGGAT
TATATTTTTGTAAGTGTGCTTAATCAATGAGGAACGCAATATAGATTTTCCTTATTTTCGATGCGTC
ACTACATGGAAAATTCATAATGTAATCACTTTTTTATTTGTGCAATTATTTTGAATCATAAAATTATA
ATTATTAATAAATAAATAAAT**CTGTTG**ATTATTCAACGATTAAAAAGCTGATTGCCCCGTACAATTA
CTTGTAATATAGACCTTCCAATCACTGTACCCATTTAAATTAATATTTTTGGAGAGCGGGGCAA
GCCAACCGCCGGTAGACGAGGCGCATGTGATAACCCCCGCGGATTGCTGCAACTAACTGCAA
CTACATGATTTTATTATGTAATTATTTTGC GCGGCTGTATATGCATCTGAATTGAGACTGGTCAGA
GAAGAGAGGCGTGCGCGCACTGACCCACAGTCAAGTCCAGATAGTCAGTGAGTGTAATTTT
CTATAAATAAATAACAATCAATTAATACTTATAAATACCAATATATAATTTTATTGTGAGCGAATTT
CTGAATTTCTGAATTTGATAGGTACCCATTGACTGGTCCCGGTGAATTTCAACGGTTGTCGGTT
GGGTCTGGGTCGAGACAGATCTCACGTGGCAACCCCCACCCGTCGTAGACAAAATCACACTT
CAGTATACATATTTATATATATGTGTGTGTGTGTGTCTGTGCAGCAGAAATCAGATCCCCAACT
AGCCTGCACTGTCTTAGCTAGCTAGCTGCTGGGTGGGATATATTAAATTTTCATCCAAAATTAATA
GATCAGATCCCC

Figure S4 PgMYB1 may be able to bind to the *cis*-element of CTGTTG in the promoter region of *PgGSTF6*. Promoter sequence of *PgGSTF6*. PgMYB1 recognition site in promoter region of *PgGSTF6* is highlighted in bold with red color.