

Table S1 The primer sequence

Prime name	Prime sequence (5'-3')
BroACTIN-F	AGACATTCAACCTCTGTCT
BroACTIN-R	AACGTAAGCATCCTTTTGTC
BroT26.C01gLDOX-F	ATGGTGGCAGTTGAAAGAGT
BroT26.C01gLDOX-R	GACTCGATGTCTTGAGATC
BroT26.C03gCHS3-F	ATGAGTAGGCCGTCATCATC
BroT26.C03gCHS3-R	CAGGATACTCCGCTTGATC
BroT26.C02gCHS-F	ATGAGATCAGAAAGGCACAG
BroT26.C02gCHS-R	TGGTGATGCGGAAGTAGT
BroT26.C09gCHS3-F	ATCTTGGCGATAGGTACG
BroT26.C09gCHS3-R	ACATGCGCTTGAACCTCT
BroT26.C08gF3H-F	AACTCTAACTGAGCTTGCCG
BroT26.C08gF3H-R	TTCTCACCAACATCGTCGAT
BroT26.C08gCHI-F	AACTGTCCGTCACCGTTA
BroT26.C08gCHI-R	TTTCCTTGATATCCAAACC
BroT26.C09gGST-F	ACTATACGGACAGGTTACG
BroT26.C09gGST-R	ACGAAGAAGATGTTCTGGTC
BroT26.C09gF3' H-F	TTCTCGTCTTATCTCGCC
BroT26.C09gF3' H-R	GCGGCTAGTGTGTTGATG
BroT26.C07gMYB34-F	GAACACCATGCTGCAAAG
BroT26.C07gMYB34-R	ATAGTTAGCCCATCTCAGC
BroT26.C07gMYB124-F	ACTCTTCATGGAAGTGAAAA
BroT26.C07gMYB124-R	TCCATCTATTCCCAAACAC
BroMYB34-62sk-smal-F	agaactagtgatccccgggATGGTGAGAACACCATGCTGC
BroMYB34-62sk-smal-R	atcgaattcctgcagcccgaggGACAAAGACACCAATCTTGAATCT
BroMYB34-1300-smal-F	aagcttctgcagggcccgaggATGGTGAGAACACCATGCTGC
BroMYB34-1300-smal-R	tatttaaatgagccccgggGACAAAGACACCAATCTTGAATCT
BroC09gCHS3pro-Smal-LUC0800-F	atcgaattcctgcagcccgaggAAATAACTGAAATTAATAATAGTAATATTATGCTT
BroC09gCHS3pro-Smal-LUC0800-R	agaactagtgatccccgggATTAAACCAACTAGGTTTAACTAGAGTTAGA
BroC03gCHS3pro-Smal-LUC0800-F	atcgaattcctgcagcccgaggAGCTACGACTCTCCGGCAAGG
BroC03gCHS3pro-Smal-LUC0800-R	agaactagtgatccccgggGTTTACAAGAGTTGATAGATGTGTGATCT
BroC02gCHSpro-Smal-LUC0800-F	atcgaattcctgcagcccgaggAGTATTACCAACTTGTTTATGTTACAAGA
BroC02gCHSpro-Smal-LUC0800-R	agaactagtgatccccgggCTCACCTCAAGATCGTTGTAATTAAGT
BroC02gCHSp1-Smal-pHIS2-F	actatagggcgaattcccgaggAAATAACTGAAATTAATAATAGTAATATTATGCTT
BroC02gCHSp1-Smal-pHIS2-R	cgaacgcgtgagctccccgggCTCTCTAAAATTATATTTTAAGCAT
BroC02gCHSp2-Smal-pHIS2-F	actatagggcgaattcccgaggCAAGATAAGAAATTCAGCTTT
BroC02gCHSp2-Smal-pHIS2-R	cgaacgcgtgagctccccgggAAGATATTATATATTGAGTAACTG
BroC02gCHSp3-Smal-pHIS2-F	actatagggcgaattcccgaggAAGACATGAATTCCTACGAGTCCAC
BroC02gCHSp3-Smal-pHIS2-R	cgaacgcgtgagctccccgggTATGATTGACCACAAACAACAGTT
BroC02gCHSp4-Smal-pHIS2-F	actatagggcgaattcccgaggAATTAGTATTTGTACAATTGTACTCAGTTAAGTATG
BroC02gCHSp4-Smal-pHIS2-R	cgaacgcgtgagctccccgggTCCCCACACGTCATACTTAA
BroC03gCHS3p1-Smal-pHIS2-F	actatagggcgaattcccgaggGATTAGTACGAGCTAATGATG
BroC03gCHS3p1-Smal-pHIS2-R	actatagggcgaattcccgaggGATTAGTACGAGCTAATGATG
BroC03gCHS3p2-Smal-pHIS2-F	actatagggcgaattcccgaggGCCGTTTGACGGCATCG
BroC03gCHS3p2-Smal-pHIS2-R	cgaacgcgtgagctccccgggACGACGACGGGATGCAAA
BroC09gCHS3p1-Smal-pHIS2-F	actatagggcgaattcccgaggTACTCACTATTCAGTACATCACTGTTG
BroC09gCHS3p1-Smal-pHIS2-R	cgaacgcgtgagctccccgggATCATGTTTGTGGCCGATAAAAC