

Supplemental Table S4. Primers used in this work.

Primer Name	Primer Sequences
Primers for selection detection	
<i>GmZF351-F</i>	TCACCTTGATGCAAAGGGATT
<i>GmZF351-R</i>	AACAATAACAATAACAATAGAAGACA
Primers for constructs	
<i>GmZF351-PCR8-F</i>	ATGAGTAGTGTTTTTTCAGAACA
<i>GmZF351-PCR8-R</i>	CATCAGCAATTCATTCCACC
<i>GmZF351-pBD-F</i>	GGATCCATGAGTAGTGTTTTTTCAGAA
<i>GmZF351-pBD-R</i>	AAGCTTCATCAGCAATTCATTCCACC
<i>pBCCP2-LUC-F</i>	GCTCTAATGTAGTACCAATCAGGG
<i>pBCCP2-LUC-R</i>	TGTTGAGACAGTGGACGATGAA
<i>pKASIII-LUC-F</i>	CTCTAATAAAGCGTCGTAAGGG
<i>pKASIII-LUC-R</i>	TTGATTGTTGATAATAGAGGAACA
<i>pTAG1-LUC-F</i>	AATTGCCAGTCAAAAACCATGA
<i>pTAG1-LUC-R</i>	TTCGAAAAGCGTTTGACGAAA
<i>pOLEO2-LUC-F</i>	GACTTTGACTTGTTAAGGAAACA
<i>pOLEO2-LUC-R</i>	TGTAAGCTAATGAGAAATTGTTTT
<i>pWRI1-LUC-F</i>	TACGATATGTTTCGGATTGACA
<i>pWRI1-LUC-R</i>	CTATGTCTGCAAATCCCACA
<i>pPKα-LUC-F</i>	TAGCCACGACGCCAAAGACGAA
<i>pPKα-LUC-R</i>	GGTTTCGCCGGCGACGGA
<i>pPKβ1-LUC-F</i>	TTTCTGAATCGGAGATACATCA
<i>pPKβ1-LUC-R</i>	TTCTGATTTTGAAGAGAAGGAA
<i>Glyma08g24420-LUC-F</i>	GCTATGACCATGATTACGAAGGCAGTGATTACTATGTGATGAT
<i>Glyma08g24420-LUC-R</i>	CTTTATGTTTTTGGCGTCTTCCATTTGGAGCCTCTGTCTCAATC
<i>Glyma15g34770-LUC-F</i>	GCTATGACCATGATTACGAACTATTCCCACCCCTAATTGTCAA
<i>Glyma15g34770-LUC-R</i>	CTTTATGTTTTTGGCGTCTTCCATTTGGGGGCCTCTATCTTCA
<i>Glyma19g03530-LUC-F</i>	GCTATGACCATGATTACGAAGCTTACAATCAGGGCAGGTTCAA
<i>Glyma19g03530-LUC-R</i>	CTTTATGTTTTTGGCGTCTTCCATTTGCAAACCAACCCACGA
<i>Glyma15g00550-LUC-F</i>	GCTATGACCATGATTACGAACCAGAATAGTCCAGACATCTTAT
<i>Glyma15g00550-LUC-R</i>	CTTTATGTTTTTGGCGTCTTCCATTTACAACAAACCAAGTCAAATAC
<i>Glyma13g16560-LUC-F</i>	GCTATGACCATGATTACGAATGATAATAGCACAGAAAAAGGGAT
<i>Glyma13g16560-LUC-R</i>	CTTTATGTTTTTGGCGTCTTCCATTGGAAAAGAAGACCGAGCG
<i>Glyma17g06120-LUC-F</i>	GCTATGACCATGATTACGAACAGTCATCACCCCTTCTACGCTT
<i>Glyma17g06120-LUC-R</i>	CTTTATGTTTTTGGCGTCTTCCATTGGAGAAGAAGACCGAGCGT
<i>Glyma19g13060-LUC-F</i>	GCTATGACCATGATTACGAACACGGATACATTTTGACTGATTG
<i>Glyma19g13060-LUC-R</i>	CTTTATGTTTTTGGCGTCTTCCATGGTTGAAGGTGAAGTTTAGGGT
<i>Glyma16g07800-LUC-F</i>	GCTATGACCATGATTACGAACCTTGCATAGATAACAACTCAAG
<i>Glyma16g07800-LUC-R</i>	CTTTATGTTTTTGGCGTCTTCCATGGTTGAAGGTGAAGTTTAGGG
<i>Glyma09g41380-LUC-F</i>	GCTATGACCATGATTACGAAATATCTTATTTGCTGATGAAGTCA
<i>Glyma09g41380-LUC-R</i>	CTTTATGTTTTTGGCGTCTTCCATTTACAAGAAGAAGAGGAAGAAG

<i>Glyma18g44350-LUC-F</i>	GCTATGACCATGATTACGAATAGCACACACTTTCTTACTCT
<i>Glyma18g44350-LUC-R</i>	CTTTATGTTTTTGGCGTCTTCCATTTACAAGAAGAACAACAAC
<i>pGmZF351-3K-F</i>	TCACCTTGATGCAAAGGGATT
<i>pGmZF351-3K-R</i>	CTTTTTTTTTTTGTGTGTGTGTAG
<i>pGmZF351-1K-F</i>	CAATAAATAAATTTTAAAAAGCAG
<i>pGmZF351-1K-R</i>	CTTTTTTTTTTTGTGTGTGTGTAG

Primers for qPCR

<i>GmZF351-qRT-F</i>	ATGAGTAGTGTTTTTTCAGAACA
<i>GmZF351-qRT-R</i>	CATCAGCAATTCATTCACC
<i>BCCP2-qRT-F</i>	GCTCTTCCTCCTTCTCCTACTCC
<i>BCCP2-qRT-R</i>	GACTTCTCAGCCTCAATCTCGTT
<i>KASIII-qRT-F</i>	AGAGGTCTTTCGCTTTGCTGTC
<i>KASIII-qRT-R</i>	ACTTTTCCGCTTCTCACTGCC
<i>TAG1-qRT-F</i>	CGCAGCAAGATACCAAAGACAC
<i>TAG1-qRT-R</i>	ACATAATCCCAAGAAAAGCCCA
<i>OLEO2-qRT-F</i>	GTGATCGGCTTAATGGTTGCTT
<i>OLEO2-qRT-R</i>	ATTTCTTTGCCCTTTTGTCTG
<i>WRI1-qRT-F</i>	ACGTACGATCTGGCTGCTCT
<i>WRI1-qRT-R</i>	CATCTTCCGTTGTGGTGATG
<i>BCCP2-ChIP-F</i>	GACTGTTGGATTTGTGAAACAA
<i>BCCP2-ChIP-R</i>	TGTGTTACTGGTCTAATCACCG
<i>KASIII-ChIP-F</i>	GTGTTAGATGTTTCTATTTACCATATG
<i>KASIII-ChIP-R</i>	CCGTTTTGTTCAAGTATTAGTT
<i>TAG1-ChIP-F</i>	TTGACTTATTGAACATGATTACAGA
<i>TAG1-ChIP-R</i>	ATGTGGTAGTCTTTGATCACTTTTA
<i>OLEO2-ChIP-F</i>	GATGTTTTCGCTTTCTCCGCT
<i>OLEO2-ChIP-R</i>	GATCCTTTTAGACTTCGGACTCAA
<i>WRI1-ChIP-F</i>	AAAACATTCGACAATTTGTTGAAC
<i>WRI1-ChIP-R</i>	GCATATTTGGCTATTTGCCTATAT
<i>FaTA-ChIP-F</i>	CTATACACCAACTATGTCGGACGA
<i>FaTA-ChIP-R</i>	ATTTGCAATGAATGGATTTCTTCT
<i>At3g22960-ChIP-F1-F</i>	ACCAGCATTATCCAAACCAACA
<i>At3g22960-ChIP-F1-R</i>	TGATCTCCGATTCTTACCTCTGC
<i>At3g22960-ChIP-F2-F</i>	CTTAAAGCAGATGGGTGGAGA
<i>At3g22960-ChIP-F2-R</i>	CCCTAAGCCCGTTTGAGTTTT
<i>At3g22960-ChIP-F3-F</i>	TTAGCCACGACGCCAAAGAC
<i>At3g22960-ChIP-F3-R</i>	GATCGTATTATAACCATGATTTCAAATT
<i>At3g22960-ChIP-F4-F</i>	TGAAGGCTTGAATGTGAACT
<i>At3g22960-ChIP-F4-R</i>	TTCCAGCTTATCTATTCACCTTAGGA
<i>At3g22960-ChIP-F5-F</i>	TCCTAAGTGAATAGATAAGCTGGAA
<i>At3g22960-ChIP-F5-R</i>	AAATCTCAGGACAGTTGGCTCT
<i>PKpa-qRT-F</i>	CACACACTCCTCACCTTCTCCAT

<i>PKα</i> -qRT-R	GTATCAGTCGTAACCGCCGTAG
<i>PKβ1</i> -qRT-F	CTGTGCCGTAGTATGGGAAAAG
<i>PKβ1</i> -qRT-R	CAGCACCTTCTCTAACAGCGAT
<i>Glyma19g03530</i> -qRT-F	CCAACTCTGCCCCTGTAACGGTCA
<i>Glyma19g03530</i> -qRT-R	TGCTGGTAGCGGCGAAGACGGA
<i>Glyma18g44350</i> -qRT-F	TGTTGTTCTTCTTGAAATGGCGA
<i>Glyma18g44350</i> -qRT-R	CAGCAGAGCCACATCCAATAACT
<i>Glyma09g41380</i> -qRT-F	ACGCAGTTGCCACTCGGTTAGAA
<i>Glyma09g41380</i> -qRT-R	GGAAATGTTTAGGGAGTGCTGGAT
<i>Glyma15g00550</i> -qRT-F	CATCTGGGACTGGGTTCTTCACAC
<i>Glyma15g00550</i> -qRT-R	TTGGAATCTGTGGAGCAGGGTCTA
<i>Glyma13g16560</i> -qRT-F	AGTTAGTAAACACGCTCGCTCGGT
<i>Glyma13g16560</i> -qRT-R	TGACTCTGACGGAAAATGGTGTCCG
<i>Glyma17g06120</i> -qRT-F	GCAAAACGAAAACAAGACACTGA
<i>Glyma17g06120</i> -qRT-R	TGGATAGAAAAGCGAAGTTGAGGT
<i>Glyma16g07800</i> -qRT-F	GGCAGAAGACCAAAGAAGTAGGGCA
<i>Glyma16g07800</i> -qRT-R	TCGCCTCCACCTTTGCATCCCT
<i>Glyma19g13060</i> -qRT-F	AAGAGAACAACAGTGACAGCAACA
<i>Glyma19g13060</i> -qRT-R	TCAACAATGGAAGTGAACAAATAC
<i>Glyma08g24420</i> -qRT-F	TCATCCACTTCCTCTGTTGGGT
<i>Glyma08g24420</i> -qRT-R	TTTACCCTTCTTGCTCTGAATGTT
<i>Glyma15g34770</i> -qRT-F	GTCTCCAGCATCTTCTTGTTTCATC
<i>Glyma15g34770</i> -qRT-R	TCCTTGGTATAAGTTTCTATCGGG
<i>GUS</i> -qRT-F	AATGTAATGTTCTGCGACGCTCAC
<i>GUS</i> -qRT-R	TATTCGGTGATGATAATCGGCTGA
<i>AtActin2</i> -qRT-F	ATGCCCAGAAGTCTTGTTCC
<i>AtActin2</i> -qRT-R	TGCTCATACGGTCAGCGATA
<i>GmTUBULIN</i> -qRT-F	TGGCCGTTACCTGACAGCAT
<i>GmTUBULIN</i> -qRT-R	CTCGGAGGGATGTCACACAC
<i>ZF351</i> -Heterozygote-F	CAATAAATAAATTTTAAAAGCAG
<i>ZF351</i> -Heterozygote-R	TCAGTTTCACATAGTTTGGTTG
<i>ZF351</i> -TaqMan-F	TCAAGAAATCCCTCGGAGACA
<i>ZF351</i> -TaqMan-R	CGCCATCGGAGTCATCGT
<i>GmTUBULIN</i> -TaqMan-F	GGAAAGATGAGCACCAAGGAAGT
<i>GmTUBULIN</i> -TaqMan-R	TGGGAATCCACTCAACGAAGT
<i>GmZF351</i> -Probe	CCGGCGACACTTATCTGCCTCAC
<i>GsZF351</i> -Probe	CCGGCGACATTTATCTGCCTCAC
<i>GmTUBULIN</i> -Probe	ATGATCAACGTGCAGAACAAGAACTCGTCC
