

Supplemental Table S1: Primers used for cloning, DNA sequencing, PCR and RT PCR

Primer code	Primer names	Position/ORF	Sequence (5' to 3')	Use
A	<i>SGB1</i> prom gtwfd	5' <i>SGB1</i> promoter	<i>CACC</i> GGGGCAAGGGAAGATGGTGTG.	PCR-genotyping promoter
B	<i>SGB1</i> prom rv	3' <i>SGB1</i> promoter	CTCTGAAACACGCTCCTGCAC.	See above
C	<i>SGB1</i> prom <i>Not I</i> fd	5' <i>SGB1</i> promoter	GATAAGAATGCGGCCGC (<i>Not I</i>) GGGGCAAGGGAAGATGGTGTG.	PCR-amplification of <i>SGB1</i> promoter (with <i>SGB1</i> prom <i>Not I</i> fd)
D	<i>SGB1</i> prom <i>Not I</i> rv	3' <i>SGB1</i> promoter	GAACGTTT <u>GCGGCCGC</u> (<i>Not I</i>).CTCTGG AAACACGCTCCTGCAC.	See above
E	<i>SGB1</i> gtw <i>fd1B</i>	5' <i>SGB1</i> cDNA & gDNA	<i>CACCATGGATTCTGTTCGACGCACTTACA</i> C.	PCR amplification of <i>SGB1</i> ; PCR genotyping
F	<i>SGB1</i> rv2B	3' <i>SGB1</i> cDNA & gDNA	TCACTGGGTGGAAGAGAGCAGAC.	See above
G	<i>SGB1</i> fus rv	3' <i>SGB1</i> cDNA without stop codon	CTG GGT GGA AGA GAG CAG ACT GAT TTC TAT C.	PCR amplification of <i>SGB1</i> cDNA fusion
H	<i>SGB1</i> rv13	430 bp cDNA from start codon	GTG AGG CAG AGA TCG CTT CCA G	RT PCR 430 bp of 5' <i>SGB1</i> (together with primer <i>SGB1</i> gtw <i>fd1B</i>)
I	<i>SGB1</i> -fd9	Mid- <i>SGB1</i>	GCTGCAATGCTTGCTGTCTTC.	Sequencing <i>SGB1</i> cDNA
J	<i>SGB1</i> -fd11	Mid- <i>SGB1</i>	CTGGGGAGAAAAGTGTGCTTATTG.	PCR-genotyping <i>sgb1-2</i> & <i>-3</i> for no WT patterns (together with primer <i>SGB1</i> -rv2B)
K	IK054-RB ext	The region near the right border of pSKI015 (Weigel et al. 2000)	ATGTGATATCTAGATCCGAAACTATCAGT G.	PCR amplification of the 0.3 kb junction of <i>SGB1</i> promoter and the right border of 4x35S T-DNA insert (together with <i>SGB1</i> prom gtwfd)
L	LB-al-500	Sequence ~500-bp upstream of the T-DNA left border (Weigel et al 2000)	TGGTTCACGTAGTGGCCATCG.	Genotyping T-DNA insert in <i>sgb1-2</i> , <i>sgb1-3</i> mutants (together with primer <i>SGB1</i> -rv2B)
M	pBin RB-250	250 bp upstream of T-DNA right border of pBin-pROK2 (Weigel et al 2000)	CGTGACTCCCTTAATTCTCCGCTC.	RT PCR or genotyping of <i>sgb1-2</i> & <i>sgb1-3</i> for a hybrid molecule of plant DNA and RB-T-DNA (together with primer <i>SGB1</i> -fd1B); for plant DNA and RB junction part (together with primer <i>SGB1</i> -fd11)
P	<i>SGB1</i> oocyte fd	<i>SGB1</i> cDNA	CATG <u>CCATGG</u> (<i>Nco I</i>) ATTCTGTTCGACGCACTTACAC. (<i>Nco I</i> site is overlapped with the start codon in frame).	Cloning <i>SGB1</i> in oocyte expression vectors (with <i>SGB1</i> oocyte rv)
Q	<i>SGB1</i> oocyte fus rv	<i>SGB1</i> cDNA fusion	TACCCCGGG (<i>Xma I</i>) CTGGGTGGAAGAGAGACTCATTCT ATC	See above
R	XFRM SP6 fd	SP6	TGTATCATAACATACGATTTAGGTGACA C.	Sequencing 5' <i>SGB1</i> in the oocyte expression vector

1. Italic *CACC* was added to enable recombinant-based ligation using the GATEWAY™ entry vector, pENTR-D-TOPO (Invitrogen, Carlsbad, CA).
2. Underlined sequence represents the site of restriction enzyme (which may have a linker at 5' end used for cloning).
3. Italic and underlined for modified DNA sequence according to yeast codon-preference.