Table S4. Primer sequences used for quantitative PCR analysis, molecular cloning, and sequencing assays.

Assays	Primer ID	Sequences (5' -->3')	Tm	Position[4] in cDNA	Position[4] in gDNA	Primer Pair Name
RT-qPCR[1]	βglu-E1-F	GCCCAGGCTAATATATCACAGCAAG	64,1	1091	----------	βglu-E1
	βglu-E1-R	GTTGTCGAAATCACCATACCCTGTC	64,9	1264	----------	βglu-E1
	βglu-E2-F	TCAACAATCCCACTCCACAAAATTC	65,2	1041	----------	βglu-E2
	βglu-E2-R	ACCTAAAAGAGCTAACACCTTCAGAGG	62,7	1163	----------	βglu-E2
	βglu-E3-F	GTAGTCAAAGAGTCGTGGAGGACATAG	62,7	503	----------	βglu-E3
	βglu-E3-R	GTGCGTGAATCCCTAGATCGTAG	62,2	643	----------	βglu-E3
FL cDNA cloning[2]	βglu-F1-F	GAAAGCTGAGAGGCCAGATGGATAG	65,7	-17	----------	βglu-F1
	βglu-F1-R	CCAAGTGCAGTTGCAGGAATAAATG	65,8	1549	----------	βglu-F1
Comparative sequencing[3]	βglu-P1-F	GCGATGAGATTTGGTTCCACTGTAG	65,1	----------	8	βglu-P1
	βglu-P1-R	GAAGCTGGAACCTGATAAGCAGATG	64,5	----------	700	βglu-P1
	βglu-S1-F	CGCCTTCAACTACGCTATAAATTCTG	63,3	-57	486	βglu-S1
	βglu-S1-R	GACCAGGAAATAGAAAAACGATAGAGG	62,6	335	1256	βglu-S1
	βglu-S2-F	GGATGTTGCGGTAGATCAATACCAC	64,7	240	1007	βglu-S2
	βglu-S2-R	CGTAGCCATATAATGTAAAGGTCAGCG	64,7	709	1932	βglu-S2
	βglu-S3-F	CTTTCGGAGACCGTGTGAAGTATTG	65,1	557	1780	βglu-S3
	βglu-S3-R	GTTTGAGTATGGCACCATCCAGTTC	65,0	834	2155	βglu-S3
	βglu-S4-F	CACATAGCGCCGCTGTCAAAAC	67,0	731	1954	βglu-S4
	βglu-S4-R	GTGGGATTGTTGACCGTAAAGTATG	62,7	1053	2530	βglu-S4
	βglu-S5-F	GTCGGGGAAGTACCCTGATTCTATG	65,0	907	2384	βglu-S5
	βglu-S5-R	TTTATCACTTCCCTCAATCCAGCAG	64,7	1194	2925	βglu-S5
	βglu-S6-F	AACGGAGTTTACGTTGGATCCTCTG	65,6	1118	2731	βglu-S6
	βglu-S6-R	CCTTATGGCTTCAAGTAGGGATGATAG	63,4	1354	3204	βglu-S6
	βglu-S7-F	ACTGAGACAGGGTATGGTGATTTCG	64,6	1235	2966	βglu-S7
	βglu-S7-R	CCAAGTGCAGTTGCAGGAATAAATG	65,8	1549	3488	βglu-S7
	βglu-S8-F	CGAGTGGATATGACTATCGCTTTGG	65,0	1413	3352	βglu-S8
	βglu-S8-R	CATGGACCTCAACAACAATCTGAG	63,0	1705	3644	βglu-S8

[1] Primers used in RT-qPCR assays for cDNA amplifications of resistant and non-resistant trees to determine the RNA transcript levels of the *Pgβglu-1* gene.

[2] Primers used to amplify the FL cDNA fragment for cloning and sequencing.

[3] Primers used for PCR amplification and sequencing of the *Pgβglu-1* cDNA and genomic sequences.

[4] Position was determined relative to the first coding ATG in the cDNA (negative values are in the 5'-UTR), and relative to the first nucleotide of the available genomic sequence.