

Table S3. Primer pairs used for quantitative real-time PCR analysis (isoflavone biosynthesis genes).

Name	Locus tag	Description	Forward primer	Reverse primer
Gm4CL	<i>Glyma</i> . 01g232400	4-coumarate:CoA ligase	AGGCAATGTACGTGGACAAGCT	TCCGAGAGGACAGAGAAGTGGA
GmCHS1	<i>Glyma</i> . 08g109400	Chalcone synthase 1	AAGCGCATGTGTGATAAGTCGA	TTGCATCCAACGAAGGTGC
GmCHS7	<i>Glyma</i> . 01g228700	Chalcone synthase 7	AACCCACCAAACCGTGTTGAT	CTTGTCACACATGCGCTGAAAT
GmCHI1A	<i>Glyma</i> . 20g241500	Chalcone isomerase 1A Type II	GGCGCTGAATACTCAAAGAAGG	AGAGGCACCAGGTGCAAAATT
GmIFS1	<i>Glyma</i> . 07g202300	Isoflavone synthase 1	AGAATTCCGTCCCGAGAGGTT	TGCCATTCTGAAGTAGCCAA
GmIFS2	<i>Glyma</i> . 13g173500	Isoflavone synthase 2	AATGTGCCCTGGAGTCAATCTG	GGCGTCACCACCCTTCAATAT
GmF3H	<i>Glyma</i> . 02g048400	Flavanone 3-hydroxylase	CCGTTTGTCCATAGCCACTT	GCCTCAAGTTTTGCCTTCTG
GmMT7	<i>Glyma</i> . 13g056100	isoflavone-7-O-B-glucoside 6"- O-malonyltransferase	GGCTATTTCGATAGGAATAACAAGCC	GTAGTGAAAACAGCAACGGTTCT T
GmMaT1	<i>Glyma</i> . 18g268200	malonyl-transferase	ATAGAGGAGCAGAATCAGAGCC	CAATCCACTGTGAACGCAAA
GmMaT3	<i>Glyma</i> . 13g056100	malonyl-transferase	TAACAACCACCGCCGAAAC	ACAAATATGCGCCCACGAT
GmUGT1	<i>Glyma</i> . 16g175600	glycosyl-transferase	ACATCACGTGCTTCGTTGGA	TGCCAAAGAGCTAACAGGC
GmUGT9	<i>Glyma</i> . 09g127200	glycosyl-transferase	AGCGAAAGCAGAAGAAGGG	GACGAGTATTACATGGGGTTAAG C

GmELF1B	<i>Glyma. 02g44460</i>	Eukaryotic elongation factor 1 b	GTTGAAAAGCCAGGGGACA	TCTTACCCCTTGAGCGTGG
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