Table S3. Thirty primer pairs tested for polymorphic amplification in *Pueraria montana*

Locus		Primers	Motif	Gene or Reference	Status
PP1	F	TCGATCTCCTGGTGCGACA	$(GTT)_{4,9}$	Arginine decarboxylase	No amplification*
	R	CCCACCTTCACAGCCCTATC			
PP2	**F**	**ATGCCGCGGATCTTTGAAAG**	**$(AAC)_{5,6}$**	**Calcium-dependent protein kinase**	**Polymorphic***
	R	**CAAATTGGCCCTGTCCCAAT**			
PP3	F	AATGTGGGAGAGCTGCAAGAT	$(AAG)_5$	WEB family protein At3g02930	Monomorphic*
	R	TCTTGAGCAGGCTTCCGAAC			
PP4	**F**	**CATGCCCACGTGCTTCATAG**	**$(TGC)_5$**	**Dehydration responsive element-binding protein**	**Polymorphic***
	R	**CTCTCAGATCCAGGCCCAAA**			
PP5	F	TCGGCGGTTGTATTGCATTC	$(CTT)_4$	40S ribosomal protein S30	Monomorphic*
	R	AAGGTTCACGGATCTCTCGC			
PP6	F	TCTTCCCATGGCTACGATCG	$(GCT)_4$	Ras-related protein RHN1-like	No amplification*
	R	AGGAGTCCGAGCTAGTGATG			
PP7	F	TTTGCGAAGATGTGGAAGCC	$(CGG)_4$	Mitochondrial Rho GTPase 1-like	No amplification*
	R	TCAATCCTCACAGCCGTACC			
PP8	F	TCTGCAGGCCTAGATTTGGG	$(GTG)_5$	Chloride channel protein CLC-b-like	Monomorphic*
	R	GGCCACATTTCCCAGAATGG			
PP9	F	TCACCCTCAAGAAGACGAGC	$(AGC)_4$	Plasma membrane ATPase 4-like	Wrong Band Size
	R	GATTGGCAGGACTTTGTGGG			
PP10	**F**	**GGCATGTAGATCCAGCTAAA**	**$(GGT)_{4,6}$**	**RNA-binding protein cabeza-like**	**Polymorphic***
	R	**TTGACAGATTTCTGATTCTTGG**			
PP11	F	TCAGCTGGTACAGAATCTCGA	$(GCT)_4$	Serine/arginine-rich splicing SR45-like	No amplification
	R	GCTCACGCTCAAGGTCATTC			
PP12	F	CAGCTGCCAAGGGATCAATG	$(AGC)_4$	N-acetylglucosaminyl-transferase SEC	Multiple Bands*
	R	TGACCCCAGATTTTTGGAAGCT			
PP13	**F**	**GATTGAGCAGGCACGAGAAC**	**$(GCT)_4$**	**Signal recognition particle subunit SRP72-like**	**Polymorphic***
	R	**CAGTAGCAGGCATGTGTTGG**			
PP14	F	CGCCGGATTATGTCATCGAG	$(CTT)_{6,7}$	Serine/theonine-protein phosphatase PP1 isozome 4	No amplification*
	R	TCAACGCAGAGTACATGGGG			
PP15	F	GAACCAACCAAGGCTCCATG	$(AGC)_4$	SSUH2 homolog	Wrong Band Size
	R	CTGAGGTGAGTGTGGATGAA			
PP16	F	ATCACCCAAGATGGTGCCAA	$(GCT)_5$	Mediator of RNA polymerase II transcription subunit 15a	No amplification
	F	ACAATGGTCCCTTCTGTCCC			
PP17	R	CGGAAGAGTGCTAGTATGGG	$(CCG)_4$	Transcription factor MYB1R1	Multiple Bands*
	F	ACTGGCCACTTGAGTAGGTG			
PL1	**R**	**TGTAAGCGTTCGTTCGTTGG**	**$(CTT)_7$**	**1,2-alpha-mannosidase**	**Polymorphic***
	F	**TCAACCTGGTGCTCTCTGAC**			
PL2	R	AGTGCTAGGGTTCGGTCAAG	$(CAC)_{10}$	Uncharacterized LOC100787224	Multiple Bands*
	F	CGCTTTCCATCCAAGTTCCC			
PL3	R	TCAGTTTCCGGTACAGGTGG	$(GTT)_9$	U1 small nuclear ribonucleoprotein 70 kDa	Multiple Bands*
	F	GATGCGGCAACCTTCCATC			
PL4	R	GTCTCGGCATGCAATCTGAC	$(ATC)_9$	Uncharacterized LOC100781552	Wrong Band Size
	F	ACTGTGAAAGATGTGGTGGC			
PL5	R	CATCGCCCTCATCTTCCTTC	$(TCG)_{10}$	Uncharacterized LOC100527242	No amplification*
	F	TGGCCAAATTCAGGTGACAC			
PL6	R	CCATGAACCTGCTTGACGAC	$(TGG)_5$	Uncharacterized LOC100797677	Multiple Bands*
	F	ACATGAAGAAGAAAGCGGCG			
PL7	**R**	**AGTGGCCTTGCTCTTCTTCC**	**$(TTC)_8$**	**Sphingolipid transporter spinster homolog 2**	**Polymorphic***
	F	**GTGTCATCTCAGCACGTTGG**			
PL8	R	AAGGCCACTACTACCACAGC	$(GAA)_8$	Mediator of RNA polymerase II transcription subunit 26b	Multiple Bands
	F	CTTGCTGAATGGCCGACTTG			
PL9	R	GCACCACCATTAACCAGTCC	$(CAA)_9$	Rop guanine nucleotide exchange factor 5-like	No amplification
	F	ATTCAGCGTCATCAATCGGC			
PL10	R	TCACTTCATTCACAGCAGCG	$(CCG)_6$	Heterogeneous nuclear ribonucleoprotein Q-like	No amplification
	F	GATGGTCCTGATCTCGTCGG			
PL11	**F**	**TGGCATCATCCTTCAACCAC**	**$(ACC)_7$**	**BRASSINAZOLE-RESISTANT 1-like**	**Polymorphic***
	R	**ATTCGGGAATAGTGGGTGGG**			
PL12	F	TGTTGTTGTTGCCAAGGGAG	$(GAT)_7$	Signal recognition particle receptor subunit alpha-like	Wrong Band Size
	R	TCTCAGCTATTTCCTCGGCC			
PL13	F	TCGATGACTACAGCTGGACG	$(GAA)_7$	Actin-related protein 3	Multiple Bands*
	R	TTACCCATTCTCCCACCTCC			

* primers run through the Culley et al., 2013 method; **Bold** are primers were used in eSSR analyses for this study.