Supplementary Table S1 Primer sets used in this study

Gene	Primer name	Primer usage	Primer sequence	Reference
GmPR1	GmPR1-FW	Expression analysis for soybean	GGTCAACGAGAAGGCTAACTATAA	(32)
GmPR1	GmPR1-RV	Expression analysis for soybean	TCCAAACAACCTGAGTGTAATGC	(32)
GmAct4	GmAct4-FW	Expression analysis for soybean	GATCTACCATGTTCCCAAGT	(32)
GmAct4	GmAct4-RV	Expression analysis for soybean	AGGCTGTTGACTAGGAAGAAAC	(32)
PpCHS2-1	PpCHS2-1-FW	Expression analysis for *P. pachyrhizi*	TTCCAAGCTCTGTTGGTATCAG	This study
PpCHS2-1	PpCHS2-1-RV	Expression analysis for *P. pachyrhizi*	CATATCTCATCACTCCCATGGAC	This study
PpCHS2-2	PpCHS2-2-FW	Expression analysis for *P. pachyrhizi*	CCCTGATGTCAGACTCCATAAAC	This study
PpCHS2-2	PpCHS2-2-RV	Expression analysis for *P. pachyrhizi*	GTTGAGGGATCCTACCGTATCT	This study
PpCHS2-3	PpCHS2-3-FW	Expression analysis for *P. pachyrhizi*	CGACCCAAAGAGAGCAAAGA	This study
PpCHS2-3	PpCHS2-3-RV	Expression analysis for *P. pachyrhizi*	CTTGTACCCACCGGCTAAAT	This study
PpCHS3-1	PpCHS3-1-FW	Expression analysis for *P. pachyrhizi*	TCACAACACCCACTCCAATC	This study
PpCHS3-1	PpCHS3-1-RV	Expression analysis for *P. pachyrhizi*	CATATCTCATCACTCCCATGGAC	This study
PpCHS3-2	PpCHS3-2-FW	Expression analysis for *P. pachyrhizi*	CTCTTCTGAGTTGCCGTCTTT	This study
PpCHS3-2	PpCHS3-2-RV	Expression analysis for *P. pachyrhizi*	CATATCTCATCACTCCCATGGAC	This study
PpCHS3-3	PpCHS3-3-FW	Expression analysis for *P. pachyrhizi*	TTCCAAGCTCTGTTGGTATCAG	This study
PpCHS3-3	PpCHS3-3-RV	Expression analysis for *P. pachyrhizi*	CATATCTCATCACTCCCATGGAC	This study
PpCHS4	PpCHS4-FW	Expression analysis for *P. pachyrhizi*	CCCTTTGTCCTCAGGTTGATAG	This study
PpCHS4	PpCHS4-RV	Expression analysis for *P. pachyrhizi*	TGAAAGCCCAACCAGAGATAC	This study
PpCHS5-1	PpCHS5-1-FW	Expression analysis for *P. pachyrhizi*	TCTAGGATGGCTAGCCCATTTGGT	(17)
PpCHS5-1	PpCHS5-1-RV	Expression analysis for *P. pachyrhizi*	GTGATTGTGTTCAAATCCGCCCGT	(17)
PpCHS5-2	PpCHS5-2-FW	Expression analysis for *P. pachyrhizi*	AGTCTTGAAGAGGCGGATAATG	This study
PpCHS5-2	PpCHS5-2-RV	Expression analysis for *P. pachyrhizi*	CATATCTCATCACTCCCATGGAC	This study
PpPK	PpPK-FW	Expression analysis for *P. pachyrhizi*	AGGAGTGGAA TACTTGCACT TGCG	(17)
PpPK	PpPK-RV	Expression analysis for *P. pachyrhizi*	ATGCTGTGGTTGTAAGACGGGTGA	(17)
PpMeta	PpMeta-FW	Expression analysis for *P. pachyrhizi*	CAACAAGGCCGACCAAGTTTCCAA	(17)
PpMeta	PpMeta-RV	Expression analysis for *P. pachyrhizi*	TGCTGATATGTCTGCTGCGGGTTA	(17)
PpNADHD	PpNADHD-FW	Expression analysis for *P. pachyrhizi*	TCCGAGCAGCTATGAAACACTGGT	(17)
PpNADHD	PpNADHD-RV	Expression analysis for *P. pachyrhizi*	AAAGCTTGGTGCGCTTGTAGTCTC	(17)
PpEF1α	PpEF-FW	Expression analysis for *P. pachyrhizi*	ATACGCTCCTGTCCTTGATTGCCA	(17)
PpEF1α	PpEF-RV	Expression analysis for *P. pachyrhizi*	AACAGTTTGCCTCATGTCACGCAC	(17)
PpUBQ5	PpUBQ5-FW	Expression analysis for *P. pachyrhizi*	AGAGGGAATTCCTCCAGACCAACA	(17)
PpUBQ5	PpUBQ5-RV	Expression analysis for *P. pachyrhizi*	ATTTGCATTCCACCACGAAGTCGG	(17)