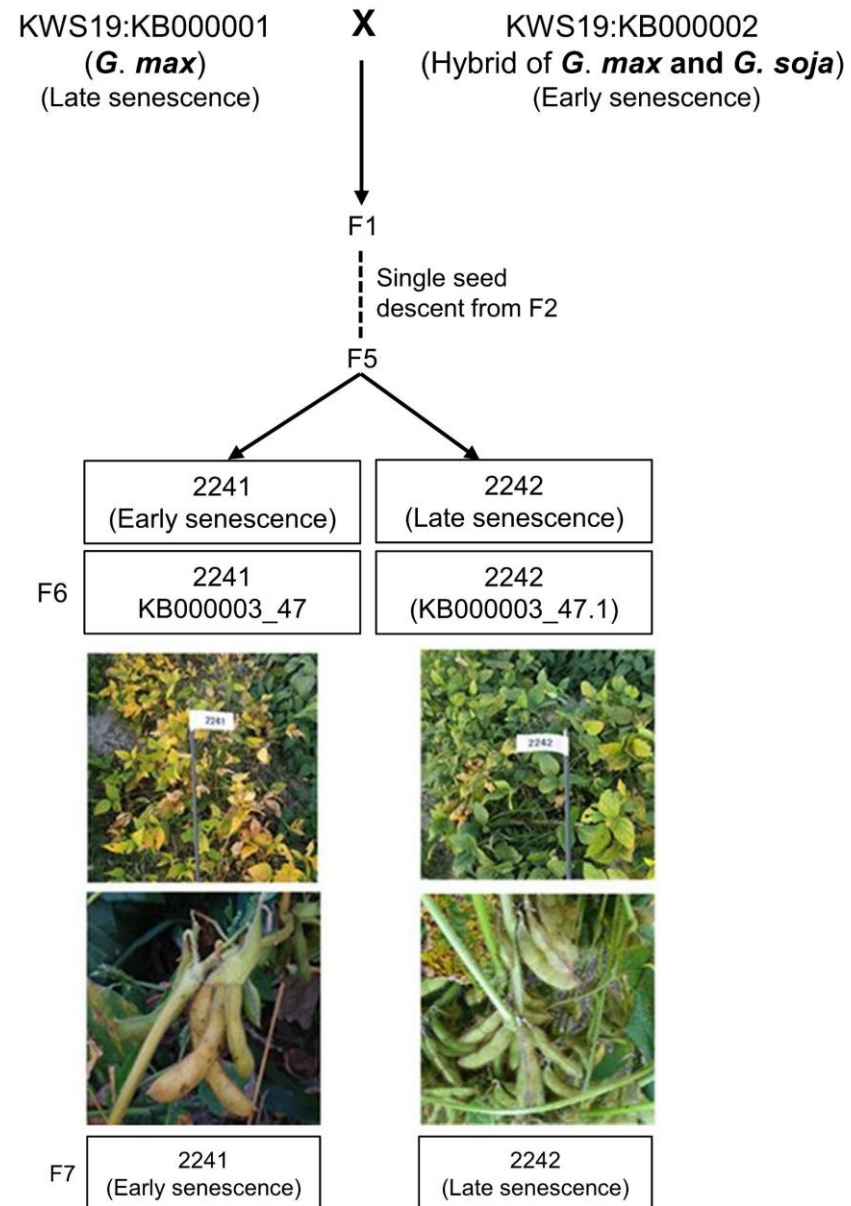
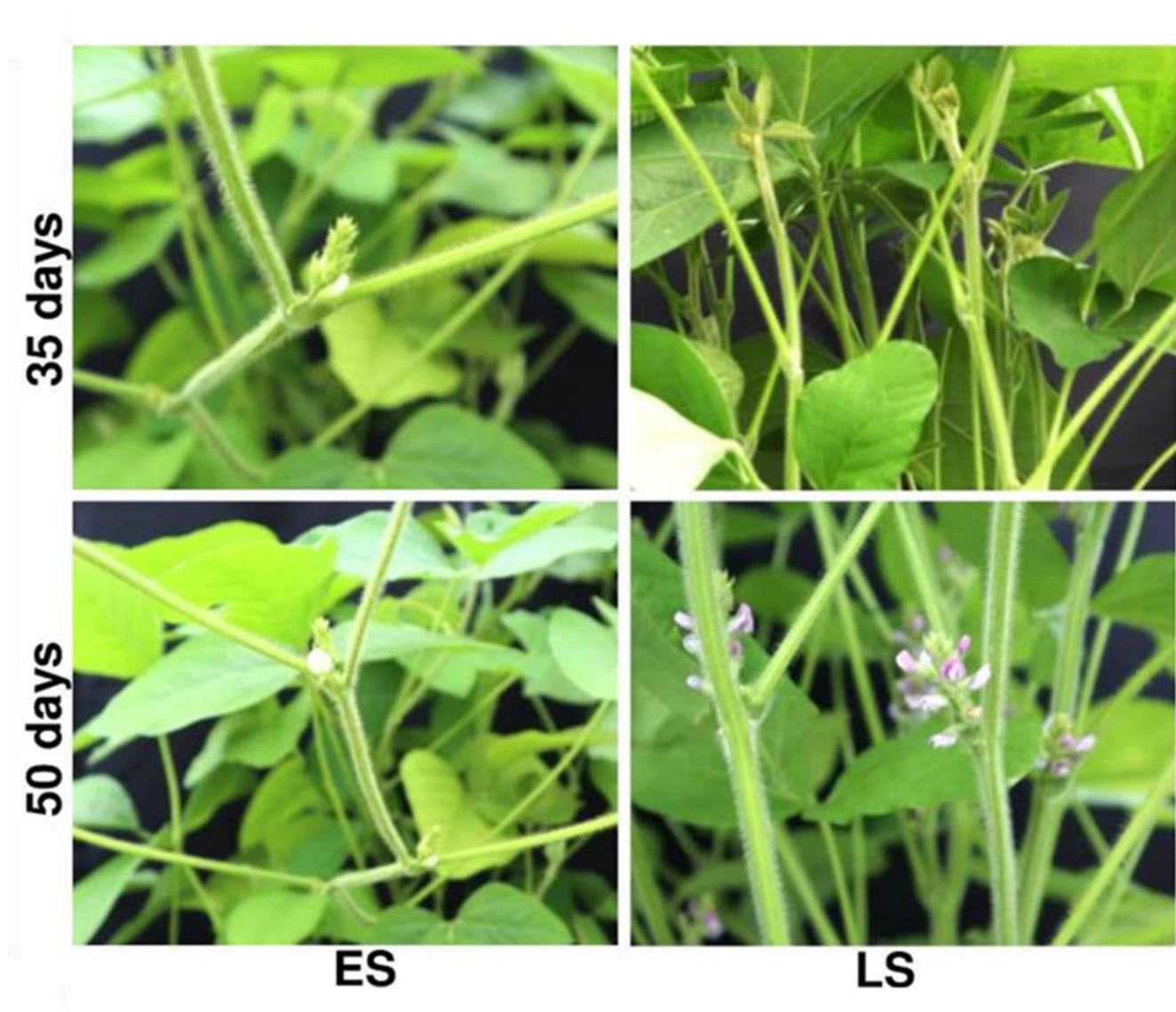


Additional file 1: Fig. S1



Additional file 2: Fig. S2



Additional file 3: Table S1

Sample ID	Raw Data		Trimmed Data		
	Total Reads	Total read bases (bp)	Total Reads	Total read bases (bp)	%
ES_50days	37,790,488	5,706,363,688	35,109,512	5,157,984,647	90.40%
LS_50 days	31,287,366	4,724,392,266	28,734,034	4,201,497,733	88.90%
ES_95 days	24,941,238	3,766,126,938	23,448,088	3,428,270,974	91.00%
LS_95 days	35,469,210	5,355,850,710	32,087,748	4,700,283,338	87.80%

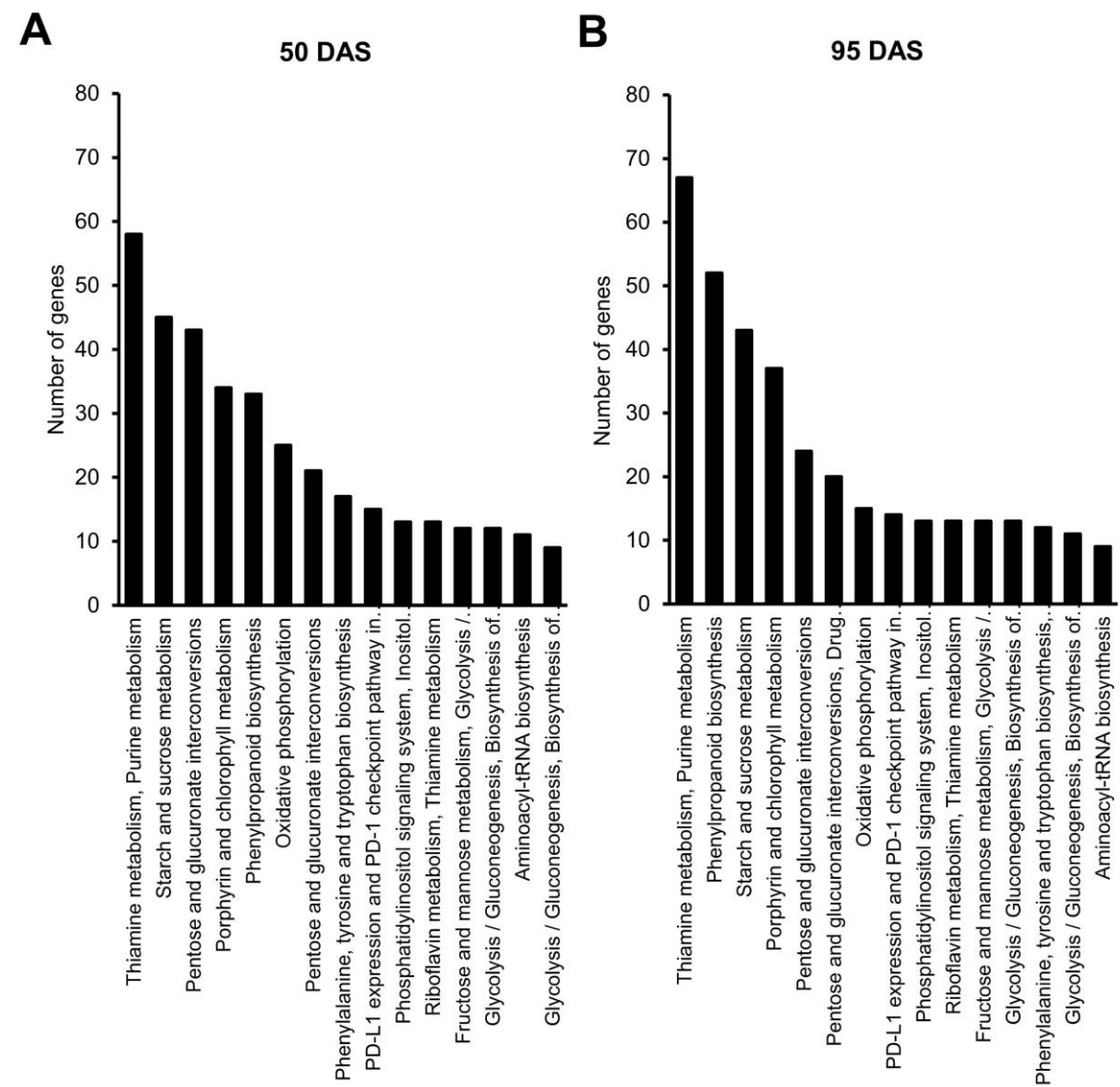
Additional file 4: Table S2

Sample ID	Processed reads	Mapped reads	Mapping rate
ES-50 days	35,109,512	33,530,934	95.5 %
LS-50 days	28,734,034	27,542,656	95.9 %
ES-95 days	23,448,088	22,183,844	94.6 %
LS-95 days	28,734,034	30,583,054	95.3 %

Additional file 5: Table S3

Groups	LogFoldchange>=2, p-value <0.05		
	Up-regulated	Down-regulated	Total
ES Vs LS (50 days)	946	1,468	2,414
ES Vs LS (95 days)	1,317	1,154	2,471

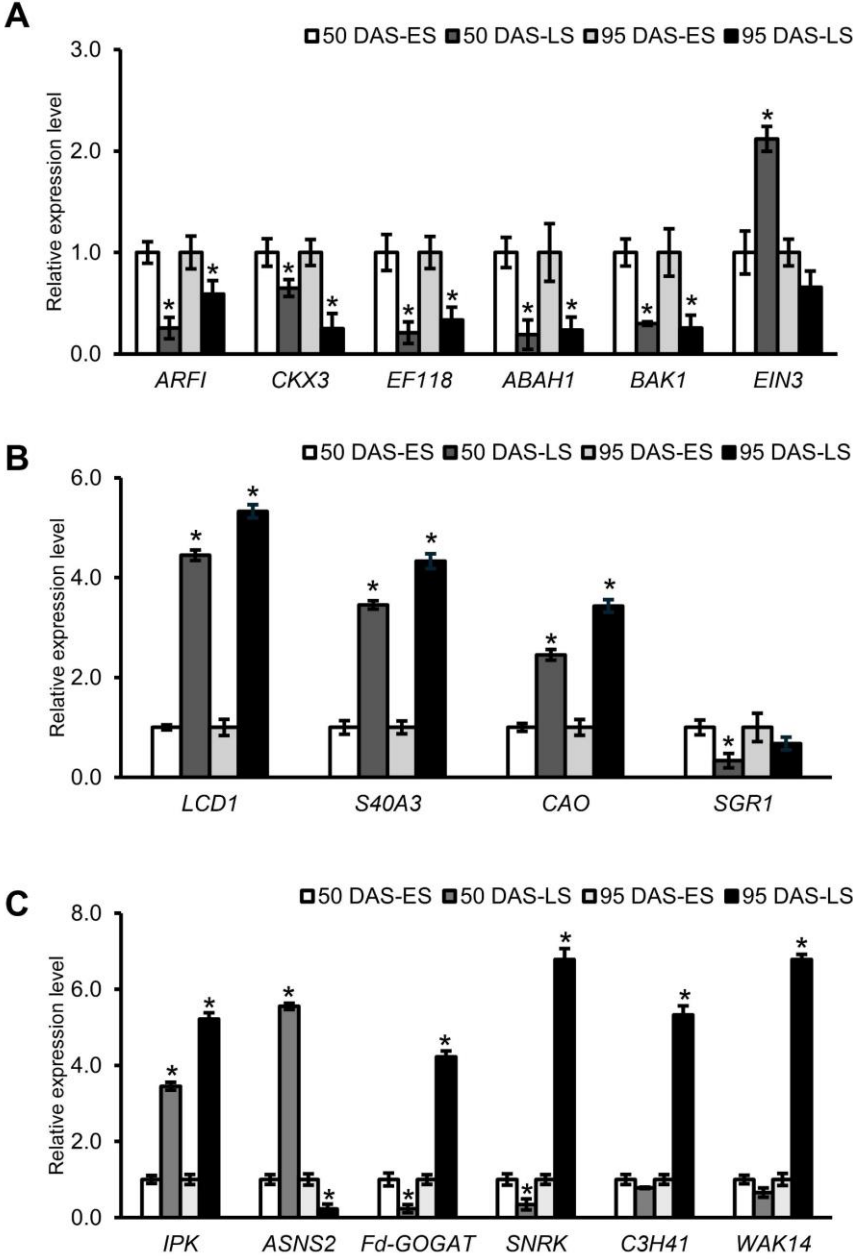
Additional file 6: Fig. S3



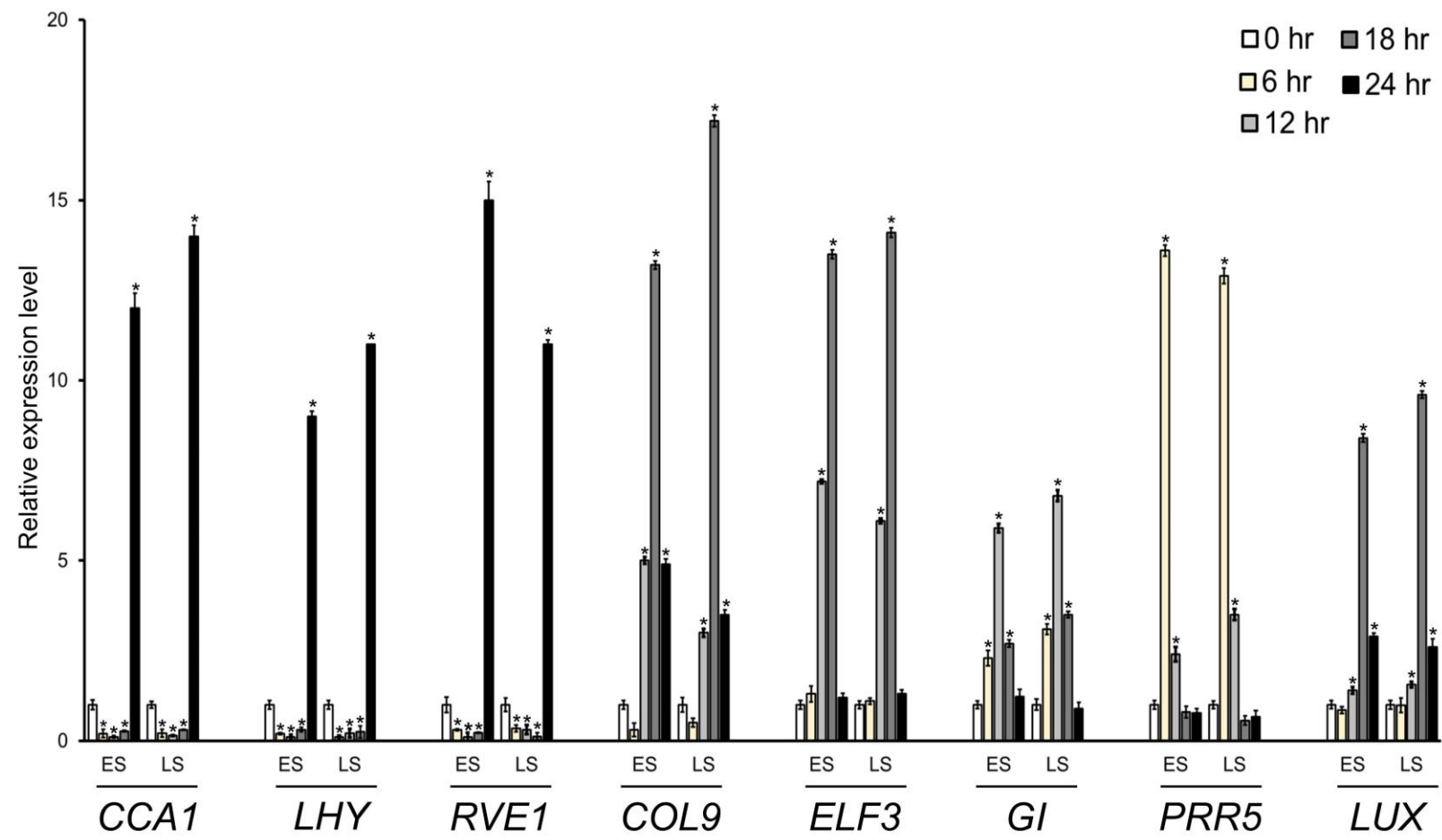
Additional file 7: Table S4

Category	Unigene	Symbol	Gene Description	50 days		95 days	
				Log2FoldChange	pvalue	Log2FoldChange	pvalue
Phytohormone responsive gene	Glyma.01G103500	ARFI	auxin response factor 1	-8.0364	0.005288	-7.6443	0.013
	Glyma.09G063900	CKX3	cytokinin dehydrogenase 3	-4.9019	0.043969	-5.3524	0.0357
	Glyma.01G081100	EF118	ethylene-responsive transcription factor ERF118	-7.4724	0.02496	-8.258	0.0265
	Glyma.09G218600	ABAH1	abscisic acid 8'-hydroxylase 1	-8.8117	0.000885	-8.6948	0.0019
	Glyma.05G119500	BAK1	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase	-7.6801	0.0026	-8.524	0.0002
	Glyma.20G051500	EIN3	protein ETHYLENE INSENSITIVE 3	6.5101	0.041655	-7.1969	0.0366
chlorophyll biosynthesis-related genes	Glyma.15G127400	LCD1	cysteine desulphydrase 1, chloroplastic	11.8028	0.000005	6.525	0.0023
	Glyma.10G146600	S40A3	solute carrier family 40, chloroplastic	9.5557	0.000806	7.5557	0.0042
	Glyma.14G150600	CAO	chlorophyllide a oxygenase, chloroplastic	6.275	0.002441	5.978	0.0042
	Glyma.17G132900	SGR1	protein STAY-GREEN, chloroplastic	-9.306	0.019442	-5.8577	0.0432
senescence-associated protein kinase	Glyma.08G138200	IPK	inositol polyphosphate kinase	6.78036	0.006206	5.0875	0.0034
	Glyma.18G061100	ASNS2	asparagine synthetase 2	9.344	0.001752	-8.7463	0.0038
	Glyma.19G130800	Fd-GOGAT	ferredoxin-dependent glutamate synthase	-12.0615	0.000022	5.042	0.0208
	Glyma.13G060400	SNRK	SNF-1-like serine/threonine protein kinase	-10.5262	0.000345	11.0037	0.0003
	Glyma.19G004000	C3H41	zinc finger CCCH domain-containing protein 41	-8.9337	0.005005	7.7943	0.0138
	Glyma.02G061700	WAK14	wall-associated receptor kinase-like 14	-8.6084	0.00096	8.3819	0.0017

Additional file 8: Fig. S4



Additional file 9: Fig. S5



Additional file 10: Table S5

Gene ID	Gene symbol	Forwad	Reverse
Glyma.16G017400.6	<i>CCA1</i>	TCGATCTGAGGTTTTGGCGCT	TGATGATGATGATGCTACGAGGG
Glyma.19G260900.2	<i>LHY</i>	GCTCCCCCTCATTCTTCCTTTT	CTCCACAGCGCCAAAACCTTG
Glyma.14G190400.5	<i>COL-9</i>	GAAGCTGCTGAGTGGGCATA	GGACACACAATCTGCTCCTGA
Glyma.02G162600.1	<i>LUX</i>	ACAACATCGACGAGGAACCC	GGCGTTCTTGATCCCCAAGT
Glyma.04G050200.3	<i>ELF3</i>	GGCTTCCCCTTCCGTAAGTC	ACACTTCCTAATCCTAATCTTCTGG
Glyma.13G135900.2	<i>PRR5</i>	AGCGGAAGTGTAAGTGCCAA	TCTGCTCTGATATCGAACCTTTT
Glyma.10G221500.1	<i>GI</i>	ACACACAAGGATTGAGAGGCA	GGGAGGCCAGAACAAATGAGG
Glyma.01G103500.2	<i>ARF1</i>	GCGAATGGTTTTGTTGTCGTGA	CAGAACCAACCACTTCGCCA
Glyma.09G063900.1	<i>CKX3</i>	TGGACGTCATCACTGGAAAGG	AGAGCGATTCTTGCCCTTGT
Glyma.01G081100.2	<i>EF118</i>	CAGGGAAAGCGACAGGCA	ACACCCCACTCTCCCTCTTATG
Glyma.09G218600.1	<i>ABAH1</i>	ACCACAAAGTACAGGTGGTCT	GCTACTATGAAGCCATTGTTTGAGT
Glyma.05G119500.2	<i>BAK1</i>	GGGTGCTGCACTGTTGTTTG	GATCCTCCTCAGCTGCAACA
Glyma.20G051500.2	<i>EIN3</i>	CCACCACTGTGACCCATTTCT	AACAAATTAGCTTTTCACCCATGA
Glyma.15G127400.3	<i>LCD1</i>	GCCAGCGCCTTCAGAAAAAG	TGCCACTCCATGCTGTTGAT
Glyma.10G146600.2	<i>S40A3</i>	AGGGAAGAGGGGTGGTTGAG	CCTCGGACAAAACAAATGTGG
Glyma.14G150600.1	<i>CAO</i>	GGAGTGTTCCCAGCTTGGTG	CTCCAGTCTCCCAGGCTTTG
Glyma.17G132900.1	<i>SGR1</i>	TTAAGCCATCGCATTGCGG	GAACAACCTAGCAACAGGCACT
Glyma.03G236900.3	<i>SNF4/IPK</i>	CCAGGCATTGCTTTTGGGAC	ACAAGTCTCCTAACCCCAGGA
Glyma.18G061100.3	<i>ASNS2</i>	GAAGCTGCTGAGTGGGCATA	GAAGCTGCTGAGTGGGCATA
Glyma.19G130800.3	<i>Fd-GOGAT</i>	AGCTTTAAGACCTCAGGTTGC	CCACGATGTTCCATACACCC
Glyma.19G004000.7	<i>C3H41</i>	CCATTCCACGTCTCAGAAAATCA	GTCCGCAACTGTGATTTGGG
Glyma.02G061700.4	<i>WAK14</i>	TGAGTAACTCCTGCCACTGC	AGTGTTGTAATCATCACCCCTTCTGA