

**Table S1.** List of DNA primers used for confirmation of gene insertion and qPCR.

Gene	Accession No.	Annotation	Primers used (5'-3')
<i>pPLAIII<math>\alpha</math></i>	At2g39220	pPLAIII $\alpha$ -F pPLAIII $\alpha$ -R	GACGGATATGCAAGAACCGAGCAT TTCGAACCTGACCCACCCGAACCA
<i>pPLAIII<math>\beta</math></i>	At3g54950	pPLAIII $\beta$ -F pPLAIII $\beta$ -R	GCG GCT TCC AAG TCG GCG AAT GAT CTT AGC CGT CCC GGA ACA ACA ACC
<i>pPLAIII<math>\gamma</math></i>	At4g29800	pPLAIII $\gamma$ -F pPLAIII $\gamma$ -R	TC GGT ACC GTC TAA AAG CTA ACG ATT GG CCT AGG TCT ATC TTT AGA TAT GAG
<i>pPLAIII<math>\gamma</math></i>	At4g29800	pPLAIII $\gamma$ -KpnI-F pPLAIII $\gamma$ -AvrII-R	GTC CAA CGT TAT CAA CGG CTC GAT TCC TCC ACT TCC GCT CCC TGA TCT
<i>pPLAIII<math>\delta</math></i>	At3g63200	pPLAIII $\delta$ -F pPLAIII $\delta$ -R	ACA TTT TCA CAA AGC TTG AAC AGA CCA AAA CCC TCT CCA TGC TCT TCC
<i><math>\beta</math>-actin</i>	At5g09810	actin-2F actin-2R	GTGTGTCTTGTCTTATCTGGTTCG AATAGCTGCATTGTCACCCGATACT
<i>MYB58</i>	At1g16490	MYB58-F MYB58-R	CCAGAGAACAGAGCTCTTCAAGAG ATGTATGAGGAGCTCGTAACTCTC
<i>MYB63</i>	At1g79180	MYB63-F MYB63-R	GAACAGCTCAGGCTCAAGAGCAAC ATGTATCATGAGCTCGTAGTTCTT
<i>PAL1</i>	At2g37040	PAL1-F PAL1-R	CAACGTACCCGTTGATTTCAG TCCTCGAAAGCTCCAATCTT
<i>4CL</i>	At1g51680	4CL-F 4CL-R	TCAACCCGGTGAGATTTGTA TCGTCATCGATCAATCCAAT
<i>HCT</i>	At5g48930	HCT-F HCT-R	CTCTTTCCAAAGCCCTTGTC TCAGCCACAACGAAGAGAAC
<i>COMT1</i>	At5g54160	COMT1-F COMT1-R	GTCGATTGCATTATGTTGGC AGCCTGATGCTTTGGCTAAT
<i>CCR1</i>	At1g15950	CCR1-F CCR1-R	TCCAGATGATCCGAAGAACA CGCCTTAAGAGCCTCGTAGT
<i>F5H2</i>	At5g04330	F5H2-F F5H2-R	ATCATGGATGTGATGTTTCGG ATCTCGGTTAGCACCCATTC
<i>CESA1</i>	At4g32410	CESA1-F CESA1-R	CCC ATG GCC ATA CGG TTT CT ACA GGT TGC CGT GGA TCA AT
<i>CESA3</i>	At5g05170	CESA3-F CESA3-R	TAC TCG TGG GAA GGG AGA GG CAG AGA GGC GTT CAG GTG AG
<i>CDSA6</i>	At5g64740	CESA6-F CESA6-R	TTC ACT TGG TGG TCA TGG CA ACC ATA GGC CTT GGA TGT GC
<i>CESA7</i>	At5g17420	CESA7-F CESA7-R	GTTTTGCGTTGGGCACTTG AGTTTGCCTCCTTTGTAGCCATA
<i>CESA8</i>	At4g18780	CESA8-F CESA8-R	TCTTTGTGGCTTGTGATGAGTGT CAACGCAAGCAAATTCCTTCGA
<i>COBRA</i>	At5g60920	COBRA-F COBRA-R	GACAATTGCGTCATGCCTCC GGAACCACCGTTGGGAAGAA
<i>PRX42</i>	At4g21960	PRX42-F PRX42-R	AAGCAGGACGGATATGCTCG AGTGAGTTCTTCCCACGCTG
<i>PRX52</i>	At5g05340	PRX52-F PRX52-R	GCTTTGTCAACGGATGCGAC CTGAATTGCGGTTTGGAGCC
<i>PRX64</i>	At5g42180	PRX64-F PRX64-R	GGAGGTTGACCCAACACTAAA TCACGGTTCCATCCATGTTC
<i>PRX71</i>	At5g64120	PRX71-F PRX71-R	GGGACGTAGAGATGGTAGAGTT GACGACGAGATCACGAGTATTG
<i>PRX72</i>	At5g66390	PRX72-F PRX72-R	TCA GCG AGA AAC GAT CAA AC CCA AGA TAT CAG CGC AAG AA