

Table S2. Primer sequences used for genotyping, plasmid construction, and gene expression analysis by qRT-PCR.

Gene Name	Sense (5'-3')/Left primer	Antisense (5'-3')/Right primer	Usage
SALK_015472	GGCTTTCGAACTGGACTCTTC(LP)	TTAAGGATTTGGGTCCGATC(RP)	Genotyping
SAIL_556_GO8	CTGACCACTTAACAGCCTTGC(LP)	ATTGGAGGTGGATTAGGTGG(RP)	Genotyping
SALK008883	CGATGGTTCTCTTCTGCAGTC(LP)	GGAGGGTTCTCACTTCTCATG(RP)	Genotyping
SAIL510E12	GGCCCAAGTTGTTTGTATCATC(LP)	TTCAAGCTTGTCACGATTTCC(RP)	Genotyping
SAIL151E09	CTCTTTCTGCGGTTCAAGACAC(LP)	TGATCCCTTCAAAACGATCAC(RP)	Genotyping
pFPGS1	TGTTAAGGTCAAAACATAAACTCCAT	TCTCTTGCTACTAACATTGCTACACTT	2 Kb - Promoter
pFPGS-FPGS1	TGTTAAGGTCAAAACATAAACTCCAT	TTTTCTGATTAATCTCAGTACATCGC	7kb - Promoter-Gen e
AtFPGS1	GGAAAGATTTGTTTGGATGG	TGACATACAATTGAACAACAATATC	Real Time
AtFPGS2	GGGGCTTGACCATACTGA	CTGCAGGTCCACCACATTG	Real Time
AtFPGS3	GCAAAGAAGAAGAGAAGAGTTTCG	GAAAACGAACTGTTTACTTTGGC	Real Time
EIF4A2	GGCTGAATGAAGTTCTCGATGGACAG	ACGAGAGCCTGGCACTGGAGAAG	Real Time - Control
CCoAMT-AT1 G67980	CAGTACATCATGGAAACGTCAGC	GGTAATACGGCCATCTTCAGG	Real Time
Laccase4-AT2G38080	CACTGGCACGGTGTGAGA	CATTACCTAGAACGATGACTTTCT	Real Time
COMT-AT1G33030	CTTCTCCAGGAATTGAGCATG	GTGTCTCTGGGAACTCTGG	Real Time
C3H-AT2 G40890	GTAACCTTCCTGAAAACAGAGCA	GCTATTGACAGTGAAGCACCTAGC	Real Time
IGMTI-AT1G21100	GTCTTCCTTAATACCTGGGCAC	CATCAACTAAACTTTACACCTTTG	Real Time
HMT3-AT3 G22740	GTTACAAAGGTGCACTTGGATTAC	CATGAACCCTTGGTGCATC	Real Time
M4T3-AT2 G36880	TAGATCCACTTGCAGGGAGATT	TATCTTCAGGCTTCTTGGTCAAA	Real Time
SAMS3-AT3G17390	TCGTAAAACATGCCGTGAGA	CCTCCTCTGGCTTCTTGGT	Real Time
SAMS2-AT4G01850	TAATGGCATGGCTCGCAG	GAATGTCTCTTTCACGATCTTCAG	Real Time
SAM-MT-AT1 G69526	GATTCGAGCTTCACGAGATCA	GAAATGTTTCTGAAACATCCTTGG	Real Time
SAM-MT-AT1 G66690	GTCATCGTATCAGAGAGCTTTGTT	CTCTAAGATACTTCTCTTCCACGGC	Real Time
SAM-MT-AT1 G55450	CCATCTTGTTCCAAAACCTGC	GGTGCGAGATCGAAGTAGTGA	Real Time
SAM-MT-AT3 G54150	TGGGCTTGTGGAGCATTAC	GTCGAAGAAATGGACAGCTTG	Real Time
SMT2530-AT4G22530	CATCGGAATCGCGGAAC	CCACAGAGTTCTCTCCTCCAAT	Real Time

SAM-MT-AT1 G15125	ACGTCTCCCACACTGATTTC	GTGTAGTGAATCCTGCCTCTG	Real Time
SAMS1- AT1G02500	ACCATCTTCCACTTGAACCC	GCGTATGAGACCTGAACAAGAG	Real Time
CCR1- AT1G15950	CCGGAACAAATGGTGGAG	CAATACCAATTCTTGGTGTTTTGTG	Real Time
PAL3- AT5G04230	CCGCTTCAGAAACCTAAACAAG	GCTAGACGAGTGTTATCCATGG	Real Time
CAD1- AT1G72680	CCTGGGCATGAGATTGCT	GCAGTACCTTTCATGAACAACAAT	Real Time