

Name	Oligo Sequence	Comments
Cloning Primers:		
<i>attB1</i> -pAGL36-AS7	GGGGACAAGTTTGTACAAAAAAGCAGGCTGA ACTGAAATTTCCCGCCG	Leftborder primer in the promoter region of <i>AGL36</i> , positioned 1740 bases upstream of ATG. Contains <i>attB1</i> for Gateway cloning.
<i>attB2</i> -pAGL36-S4	GGGGACCACTTTGTACAAGAAAGCTGGGTCA CCTTCTTCATCCCCATC	Rightborder primer spanning the ATG of <i>AGL36</i> , positioned 12 bases downstream of ATG. Contains <i>attB2</i> for Gateway cloning.
Real-time PCR Primers and Corresponding Amplicons and Probes:		
ACT_2_102_L	CCGGTACCATTGTCACACAC	<i>ACT11</i> (<i>At3g18780</i>) leftborder primer for real-time PCR.
ACT_2_102_R	CGCTCTTTCTTTCCAAGCTC	<i>ACT2</i> (<i>At3g18780</i>) rightborder primer for real-time PCR.
ACT_2_102_Amplicon	CGCTCTTTCTTTCCAAGCTCATAAAAAATGGCT GAGGCTGATGATATTCAACCAATCGTGTGTGA CAATGGTACCGG	77 nt amplicon of ACT_2_102 left- and right-border primers for real-time PCR. The UPL #102 probe sequence is highlighted in underlined bold.
ACT11-77-LP	CAAAACTACACACCCGTACCA	<i>ACT11</i> (<i>At3g12110</i>) leftborder primer for real-time PCR.
ACT11-77-RP	TGTCTTCACCATCTGCCAT	<i>ACT11</i> (<i>At3g12110</i>) rightborder primer for real-time PCR.
ACT11-77 Amplicon	CAAAACTACACACCCGTACCACACCCACCACC CTCCTCGTTTCCTCAGAGATCCCCCTCTCTAAC TTCTAAGGATATAGAAAATGGCAGATGGTGAA GACA	100 nt amplicon of ACT11-77 left- and right-border primers for real-time PCR. The UPL #77 probe sequence is highlighted in underlined bold.
AGL36-160-LP	AGGTGGCTTCAAGGTTTCTG	<i>AGL36</i> (<i>At5g26650</i>) leftborder primer for real-time PCR.
AGL36-160-RP	GATCCATCATCTTCTTGGTTCG	<i>AGL36</i> (<i>At5g26650</i>) rightborder primer for real-time PCR.
AGL36-160 Amplicon	AGGTGGCTTCAAGGTTTCTGGAGATGCGCGCC GACAGCCCGAACCAAGAAGATGATGGATC	60 nt amplicon of AGL36-160 left- and right-border primers for real-time PCR. The UPL #160 probe sequence is highlighted in underlined bold.
AT3G19350_MPC_31_L	CCCAAAGAACAACGAGATTTG	<i>MPC</i> (<i>At3g19350</i>) leftborder primer for real-time PCR.
AT3G19350_MPC_31_R	TCCTGTGATTTTGGTGCAA	<i>MPC</i> (<i>At3g19350</i>) rightborder primer for real-time PCR.
AT3G19350_MPC_31 Amplicon	CCCAAAGAACAACGAGATTTGATTGGTGAAAC TTTGTCTTTATGGTGGAAGAACTTGAGCCAC AGTTTGCACCAAAAATCACAGGA	87 nt amplicon of MPC_31 left- and right-border primers for real-time PCR. The UPL #31 probe sequence is highlighted in underlined bold.

AT4G25530_FWA_138_L	CGACCTGTCCAATGGGTACT	<i>FWA (At4g25530)</i> leftborder primer for real-time PCR.
AT4G25530_FWA_138_R	GCCAATCAAAGGCTGGTAGA	<i>FWA (At4g25530)</i> rightborder primer for real-time PCR.
AT4G25530_FWA_138 Amplicon	CGACCTGTCCAATGGGTACTCCCAGGTTACATGGATTGAACAAGCGGAATATAATGAGAGTCAC <u>ATCCACCA</u> ACTCTACCAGCCTTTGATTGGC	94 nt amplicon of FWA_138 left- and right-border primers for real-time PCR. The UPL #138 probe sequence is highlighted in underlined bold.
AT5G62110-69-LP	CGACGTGAACATTATAAATGAGGA	<i>At5g62110</i> leftborder primer for real-time PCR.
AT5G62110-69-RP	GGAATATCAGTCAAAGCTGCAA	<i>At5g62110</i> rightborder primer for real-time PCR.
AT5G62110-69 Amplicon	CGACGTGAACATTATAAATGAGGAAGAACAAGGTGCTGTAGATATGATGGATATTGTAATTACATTGATGAG <u>GGAGGAAG</u> AAGATGTTGCAGCTTTGACTGATATTCC	108 nt amplicon of AT5G62110-69 left- and right-border primers for real-time PCR. The UPL #69 probe sequence is highlighted in underlined bold.
GAPA-38-L	TCCATCGTCTCCTTCCAGAC	<i>GAPA (At3g26650)</i> leftborder primer for real-time PCR.
GAPA-38-R	CTTGGCCTCAGTCACACCTT	<i>GAPA (At3g26650)</i> rightborder primer for real-time PCR.
GAPA-38 Amplicon	TCCATCGTCTCCTTCCAGACTTCTGCAAT <u>GG</u> <u>AAGCAG</u> TGGTGGATACAGGAAAGGTGTGACTGAGGCCAAG	72 nt amplicon of GAPA-38 left- and right-border primers for real-time PCR. The UPL #38 probe sequence is highlighted in underlined bold.
HDG3-LP-4	TGCATAGTGGTTACTCCAAGGTT	<i>HDG3 (At2g32370)</i> leftborder primer for real-time PCR.
HDG3-RP-4	GCAGCAAAAGCTTGACCAGT	<i>HDG3 (At2g32370)</i> rightborder primer for real-time PCR.
HDG3-4 Amplicon	TGCATAGTGGTTACTCCAAGGTTACATGGGTGGAACATGTGGAAGTAGATGAT <u>GCAGGAAG</u> TTACAGCATCTTTGAGAAATTAATCTGTACTGGTCAAGCTTTTGCTGC	109 nt amplicon of HDG3-4 left- and right-border primers for real-time PCR. The UPL #4 probe sequence is highlighted in underlined bold.
HDG8-164-LP	TTGGCAATGCTGCTTGTTAC	<i>HDG8 (At3g03260)</i> leftborder primer for real-time PCR.
HDG8-164-RP	TTCCACATGCTCTATCCACATT	<i>HDG8 (At3g03260)</i> rightborder primer for real-time PCR.
HDG8-164 Amplicon	TTGGCAATGCTGCTTGTTACAAACGTCCTT <u>CT</u> <u>GGTTGC</u> CTCATCCAAGCCTTGCCCGATGCTCACTCCAAGGTAATGTGGATAGAGCATGTGGAA	95 nt amplicon of HDG8-164 left- and right-border primers for real-time PCR. The UPL #164 probe sequence is highlighted in underlined bold.
HDG9-14-LP	CTCCATGTGGTGGTCGTG	<i>HDG9 (At5g17320)</i> leftborder primer for real-time PCR.
HDG9-14-RP	CCTCCGTACTGTTTTAGGTAGTTTG	<i>HDG9 (At5g17320)</i> rightborder primer for real-time PCR.

HDG9-14 Amplicon	CTCCATGTGGTGGTCGTGGTCC CTGGGAGAGA AGACCAACTTCGACATCTCCAAAACTCCGTG CACAAAACGCTTATCTCAAAGATGAGTATGAAA GAGTCTCAAACCTACCTAAAACAGTACGGAGG	127 nt amplicon of HDG9-14 left- and right- border primers for real-time PCR. The UPL #14 probe sequence is highlighted in underlined bold.
PHE1-92-LP	ATCCGTAGCCCGTACAACCTC	<i>PHE1</i> (<i>At1g65330</i>) leftborder primer for real-time PCR.
PHE1-92-RP	TCACTTCTTCAACGCCTTCC	<i>PHE1</i> (<i>At1g65330</i>) rightborder primer for real-time PCR.
PHE1-92 Amplicon	ATCCGTAGCCCGTACAACCTCGATCC CAGGAGC CTTGCCCATCAAGGGAAGGCGTTGAAGAAGT GA	64 nt amplicon of PHE1-92 left- and right- border primers for real-time PCR. The UPL #92 probe sequence is highlighted in underlined bold.
PHE1_147_L	CGTAGCCCGTACAACCTCGAT	<i>PHE1</i> (<i>At1g65330</i>) leftborder primer for real-time PCR.
PHE1_147_R	CATCACTTCTTCAACGCCTTC	<i>PHE1</i> (<i>At1g65330</i>) rightborder primer for real-time PCR.
PHE1_147 Amplicon	CGTAGCCCGTACAACCTCGATCCAGGAGCCTT GGCCATCAA GGGAAGGCGTTGAAGAAGTGAT G	63 nt amplicon of PHE1_147 left- and right- border primers for real-time PCR. The UPL #147 probe sequence is highlighted in underlined bold.
SNP Primers:		
AGL36-SP7-SNP	GAACCGTTTCAACACCTTGTTCC	Leftborder primer for <i>AGL36</i> SNP PCR.
AGL36-ASP6-SNP	CTAGTTCTTCTCCCTCTTTTGTG	Rightborder primer for <i>AGL36</i> SNP PCR.
FWA-RTf	GATCCAAAGGAGTATCAAAGATCT	FWA Primers for SNP analysis originally designed by Kinoshita et al., (1999).
FWA-dNheI	GCCACTTTTGGTTCCACCAGAACC GG TAGCTA	FWA Primers for SNP analysis originally designed by Kinoshita et al., (1999).
T-DNA Insertion Screening and Genomic Primers:		
AGL36 S5 KONCZ	GACATTTACACAAATCTCTTTCAAGCGGATAA CAA	Sence primer for <i>AGL36</i> , positioned 607 bases upstream of ATG.
AGL36 AS2 KONCZ	GGATGGTAGTTGATGGTAGTTGTAGCAGTT	Antisense primer for <i>AGL36</i> , positioned 120 bases upstream of TAA STOP codon. The first 15 bases of this primer are uniques for <i>AGL36</i> compared to <i>AGL34</i> and <i>AGL90</i> .
AU89	CACAAGATGTGGAGAGACATAACAGCAG	Sence primer for <i>DME</i> .
AU90	CCCATTGGACGTGAATGTAGACAC	Primer for genotyping of <i>DME</i> .
B34-DS	ACGGTCGGTACGGGATTTTCCCAT	Originally designed by Goodrich et al. (1997) for DS cloning.
CLF2-SP4	AGTAGATTCGTTGTCTCGAGCTACGTGATA	Genomic <i>CLF</i> sence Primer.
CLF2-ASP1	GATTCCGCTTTTCATACCTGGCGAA	Genomic <i>CLF</i> antisense primer.

DDM1f	GAGATCTCTACCCTCCTGT	Originally desinged by Yadegari et al. (2000) for <i>ddm1-2</i> genotyping.
ddm1-2Rsa	TGAGCTACGAGCCATGGGTTTGTGAAACGTA	Originally desinged by Yadegari et al. (2000) for <i>ddm1-2</i> genotyping.
HOOK1	CTACACTGAATTGGTAGCTCAAACCTGTC	Leftborder T-DNA primer for <i>cdka;1-2</i> (Koncz binary vector pPVC6NFHyg).
K46-mea_S	GAATGGTGAGGCACTAGAATTGAGC	Genomic <i>MEA</i> sence primer.
LBa1	TGGTTCACGTAGTGGGCCATCG	Leftborder T-DNA primer.
LB3	TAGCATCTGAATTTCTAACAATCTCGATACA C	Leftborder T-DNA primer.
MEA-Genomic-R2	ACATACCCGCAATATTTCTCGCAGCAA	Genomic <i>MEA</i> antisence primer.
SWN-Genomic-F1	CAAAGAATGGCTGAAGATCAGTCTGTGGTT	Genomic <i>SWN</i> forward primer.
SWN-Genomic-R2	GAGGAACCACCATCATGGACCGAAT	Genomic <i>SWN</i> reverse primer.
Other Primers:		
AGL90-SP1-subcloning	CGTCAAGGGAAGGTGCTAAAAAGGTAGC	Leftborder primer for <i>AGL90</i> PCR, flanking the intron.
AGL90-ASP2-subcloning	GCAAGATCAACGGCTGGTAGTTGATTGT	Rightborder primer for <i>AGL90</i> PCR, flanking the intron.