

Table S1. The gene ID and primers used in this study.

Primer Name	Sequence (5'-3')	Gene ID	Description
<i>AtGPDHc2</i>	LP-GAGATGGCTGTGAGCAATCTC RP-ACCTCCTCAACAATTCTTCCC LB-GCGTGGACCGCTTGCTGCAACT	TAIR:AT3G07690	Mutant identification
<i>ZmGPDH1</i>	Forward: ATGGTTGGGAGCGTGCACGTC Reverse: TCATGGTTTTCCAAGGAGAGACG	GeneBank:MH460963	cloning
<i>ProZmGPDH1</i>	Forward: CAAT CGGCCGTCAGCATT Reverse: TTCCCGAGCTCAGGAGTCAG	GeneBank:MH483980	cloning
<i>AtGPDHc2</i>	Forward: GAGTTTGAGCCTCATCCTC Reverse: CATTAGGTGGTCGGTGAGGT	TAIR:AT3G07690	RT-PCR
<i>ZmGPDH1</i>	Forward: AAGGGAGAGTTGAGTCCTG Reverse: AGTATTCTGT AAAGCCTC	GeneBank:MH460963	qRT-PCR
<i>GUS</i>	Forward: GTCGCGCAAGACTGTAACCA Reverse: TGGTTAATCAGGAAGTGTG	GeneBank:KM434773	qRT-PCR
<i>GSTF14</i>	Forward: ATCTGGGGTAATTCGGCAGC Reverse: TTTTGGCTTCACCAGCAAGC	TAIR:AT1G49860	qRT-PCR
<i>MDAR3</i>	Forward: ACAAAGAGAAAGAGATAGTCAAAGC Reverse: TGCTTCTTGGACGCCAATTC	TAIR:AT3G09940	qRT-PCR
<i>CSD1</i>	Forward: TGAACTCAGCCTGGCTACTGG Reverse: AGCCACACACCAGAAGATACACAC	TAIR:AT1G08830	qRT-PCR
<i>CAT1</i>	Forward: TGGGATTCAGACAGGCAAGAACG Reverse: GTTTGGCCTCACGTTAAGACGAGT	TAIR:AT1G20630	qRT-PCR
<i>APX1</i>	Forward: TTTCCACCCTGGAAGAGAGGAC Reverse: TCACAACCCTTGGTAGCATCAGG	TAIR:AT1G07890	qRT-PCR
<i>GRI</i>	Forward: ATTCGTGGCAGATGTCGT Reverse: CACAGCTCCAGCCTGATC	TAIR:AT3G24170	qRT-PCR
<i>DHAR1</i>	Forward: TGGCTCTGGAAATCTGTG Reverse: AGCAAGGCATGTTTCAGATCC	TAIR:AT3G24170	qRT-PCR
<i>DHAR2</i>	Forward: AATGGGTGGCTGATTCTGAC Reverse: CCGCAACCACAATCTCTTTC	TAIR:AT1G75270	qRT-PCR
<i>GalDH</i>	Forward: AGTCGCCGAAGATGATGCCGT Reverse: GACAATATCACATCGACAGT	TAIR:AT4G33670	qRT-PCR
<i>ACTIN2</i>	Forward: GCTGACCGTATGAGCAAAGA Reverse: GATCCACATCTGTTGGAACG	TAIR:AT3G18780	qRT-PCR
<i>UBQ10</i>	Forward: GGCCTTGTATAATCCCTGATGAA Reverse: AGAAGTCGACTTGTATTAGAAAGAAA	TAIR:AT4G05320	qRT-PCR
<i>ZmGAPDH</i>	Forward: CCCTTCATCACCACGGACTAC Reverse: AACCTTCTTGGCACCACCCT	GeneBank:XM_020551757.1	qRT-PCR
<i>ZmACTIN</i>	Forward: ATCCAGGCTGTTCTTTCGTT Reverse: CATTAGGTGGTCGGTGAGGT	GeneBank:XM_008656735.2	qRT-PCR