

Supporting Information Table S5 Primers used for quantitative real time PCR

Gene	Gene ID	Primer Sequence (5'-3')	Product Size (bp)
<i>MN2</i>	<i>Zm00001d019294</i>	F:ATGGAGATCGCGGCAAGA R:CGACGACATCTGCGAGTAGG	263
<i>ESR-6*</i>	<i>Zm00001d053112</i>	F:GCCATAACCATGCCGTCCT R:TGCAGACGCATCCATTCCGA	111
<i>MEG-1*</i>	<i>Zm00001d019030</i>	F:TTTGCTGCTCATGCGCATGG R:GCATGCATGACTACACTGAGCC	201
<i>BETL-2*</i>	<i>Zm00001d049576</i>	F:TGCACGCACAACAAGTGGGC R:AGCATGGCCCGTCGTCATT	116
<i>BETL-10*</i>	<i>Zm00001d042231</i>	F:TCCTTGTGGCCTATCGTGCG R:GCTCATGCATGGGCCGTGAT	74
<i>TCRR-1*</i>	<i>Zm00001d050200</i>	F:ATTGGAATTCTTAGATGCGAAC R:CGATTCCTTCACTTCCCTAA	106
<i>ZmNRT1.5A**</i>	<i>Zm00001d017666</i>	F:CGTATGTTGTTCTTGTCTTCTTG R:GTGCTATCGTCGTCAATGG	104
<i>ZmNRT1.5B**</i>	<i>Zm00001d051637</i>	F:GCCAACAGCATCAGCAAGTG R:CGAGCGACAGGACCACCAG	145
<i>ZmNRT1.1A**</i>	<i>Zm00001d024587</i>	F: CCTCGACAACCTTCTACTGGC R: AATTTAGGGTCGTCCGTCGC	238
<i>ZmNRT1.1B***</i>	<i>Zm00001d029932</i>	F: GTCATCAGCGCCATCAACCT R: GGGTCACACCGTGTGCCAAA	282
<i>Actin</i>	<i>Zm00001d010159</i>	F:TCACCCTGTGCTGCTGACCG R:GAACCGTGTGGCTCACACCA	191

F and R represent forward and reverse primers, respectively. * These primers came from previous studies (Fouquet et al., 2011; Li et al., 2017). ** This primer came from previous studies (Wen et al., 2017). *** These primers came from previous studies (Garnett et al., 2013).