

Table 1 Forward and reverse primers of genes in our study

Gene name	Gene accession number	Primer sequence-F	Primer sequence-R
IQD27	GRMZM2G024799	ATGGGTAAGAAGGGAAATTGGTTCAC	CTTAAAGGACCTCGTGCCG
CaM1	GRMZM2G117582	ATGGCGGACCAGCTCACC	CTTGCCATCATAACCTTGACGAACT
CaM2	GRMZM2G067511	ATGGCGGACCAGCTCACC	CTTGCCATCATCACCTTCACGAAC
CaM3	GRMZM2G152891	ATGGCGGACCAGCTCACC	CTTGCCATCATGACCTTGACG
CaM4	GRMZM2G115628	ATGGAGGAGGTGGAGCAGCA	CTCCCATGCTCTTCCAGCT
CaM5	GRMZM2G155822	ATGGGAGGTGTAATTAGTGGTGACTCA CC	TTCTTCTTCGTCCTCGTCTTCTTCATT ATTGATCC
CaM6	GRMZM2G142693	ATGGGAGGTATAATTAGTGGGGAC	TTCTTCTTTATCTTCATCATCATCGTC TTC
KLCR1	GRMZM2G147377	ATGCCTGGAATTACAATGGATGG	TGCAGCAACTGCATTTCTCTTG
KLCR2	GRMZM2G060947	ATGCCTGGAATTACAGAGGA	TGCAGCAACGGCATTCTCTT
AtCaM2	At2g41110	-	-
AtKLCR1	AT4G10840	-	-
AtKLCR2	AT3G27960	-	-
AtKLCR3	AT1G27500	-	-
IQD27 I	-	ATGGGTAAGAAGGGAAATTGGTTC	CCGGTAGTTCGCGCGCCAT
IQD27 II	-	TCGCTGCGCGGGCTGATC	CTACTTAAAGGACCTCGTGCCGA
IQD27 III	-	CGCGCGCGCG	CCGGTAGTTCGCGCGCCAT
IQD27 IV	-	ATGGGTAAGAAGGGAAATTGGTTC	CGCCGCCGGAC
IQD27 V	-	CGCGCGCGCG	CTACTTAAAGGACCTCGTGCCGA
IQD27 I	-	ATGGGTAAGAAGGGAAATTGGTTC	CCGGTAGTTCGCGCGCCAT