

**Table S1** Sequences of primers used in the study.

Primer ID	Annotation		Forward primer	Reverse Primer
<i>Csa7G435510</i>	Full-length clone	cDNA	ATGGGGAGCAATACACTGGTG	TGCAGACCCAAATTCTGAAAAC
MIndel-2	Indel marker		AACAAACCCTTTTGAGTATCG	CCCTGATGAAGACAAAGAATAC
MIndel-5	Indel marker		TAGGAAAATTTTCAGGCGACG	CCTCTCAAATCCCTCACACAA
MIndel-6	Indel marker		CAATTTGTGTGAGTTGAAG	AAGGAATAAAGTGTGGATG
MIndel-7	Indel marker		TATCTTTTGCTATTTGGTGC	ACTACTCGATCACGTATAT
MIndel-8	Indel marker		TTCAATCATCTCAGCACTGC	ACGAATGGCTCAACAAACC
MIndel-10	Indel marker		GGGAGGAAACAAATGATCC	TCTCCGCTCCTTTCGTTCT
MIndel-12	Indel marker		GCCACTACAGCATAGAATA	CATGAAGCAAATACAGGTC
MIndel-13	Indel marker		TACTACTTGATTTGATACACTT	ACTTACCTATAGAATTTGTTG
MIndel-23	Indel marker		AAACCCTCAAACCTTATCCCCA	TTTCCCTCCGATTCCCTTCATT
MIndel-30	Indel marker		GTGGATCATAACATTGTTGTATC	CTAAACCAAAACTCAGAGACC
MSNP-1	SNP marker		AAAGGTGAGTTTTGGAATGG	GGTTAAAGGGTGGAGATGAA
MSNP-3	SNP marker		AAATAAATTCCTCCACCCCT	CGTTTTTCACGCAATTACTCA
MSNP-4	SNP marker		AATGTCCCATGGAAAGTTTGTA	GAGGATTCTTGTTTCTTTAGT
<i>Csa7G435510</i> -q	qRT-PCR		AAGGAGACCGTGGAAAGGA	CAGGGTGGCAGAAGAAACAT
CsActin	qRT-PCR		TTCTGGTGTGGTGTGAGTC	GGCAGTGGTGGTGAACATG
CsKTN1-GFP	pGreen-SmaI		ATCTAGAGGATCCCCATGGGGAG CAATACAC	CGGCCGGTGGATCCCTGCAGAC CCAAATTCTG