

Supplementary Table 1S

Sequences of the used primers

Primer no	Primer sequence	Description
1	F 5'-TATCCCGGGTATGTCCAAGGCCAGGGTCTA-3'	ZmCK2 α -1
2	R 5'-AATGTCGACTCACGCTCGCGTCCTGCTGTT-3'	ZmCK2 α -1
3	F 5'-ATAGAATTCATGTCTGGACTCGGAGGAG-3'	ZmeIF5A
4	F 5'-ATAGAATTCATGGCGGACTCGGAGGAG-3'	ZmeIF5ASer2Ala
5	F 5'-ATAGAATTCATGTCTGGACGCGGAGGAG-3'	ZmeIF5ASer4Ala
6	F 5'-ATAGGATCCGACTCGGAGGAGCACCAC-3'	Δ MetZmeIF5A
7	R 5'-ATTGTCGACTTACTTGGGGCCAACATC-3'	ZmeIF5A
8	F 5'-ATAGAATTCATGGATGACTCGGAGGAG-3'	ZmeIF5ASer2Asp
9	R 5'-TATAAGCTTGGGGCAACATCCTTCAG-3'	ZmeIF5A
10	F 5'-AAGCTTGGAGGTGGAGGTGGAGCTGTGAGCAAGGGCGAGGAG-3'	EYFP
11	R 5'-CTCGAGTACTTGTACAGCTCGTCCATGCCGAGAGTGATCCCGGC-3'	EYFP
12	F 5'-TTAGAATTCATGTCTGACGAAGAACACACC-3'	SceIF5A
13	F 5'-TTAGAATTCATGGCTGACGAAGAACACACC-3'	SceIF5ASer2Ala
14	R 5'-ATTCTCGAGCTAATCAGATCTTGGAGCTTC-3'	SceIF5A
15	F 5'-TTAGAATTCATGTCTGACGACGAGCACCAC-3'	AteIF5A
16	F 5'-TTAGAATTCATGGCTGACGACGAGCACCAC-3'	AteIF5ASer2Ala
17	R 5'-ATTCTCGAGTACTTGCCACCACCAACTTC-3'	AteIF5A

F - forward primers contained START codon. R - reverse primers contained STOP codon.

Restriction sites were present as follow: in primer 1 for SmaI; in primers 2 and 7 for SalI; in primers 3, 4, 5, 8, 12, 13, 15 and 16 for EcoRI; in primer 6 for BamHI; in primers 9 and 10 for HindIII; in primers 11, 14 and 17 for XhoI. Additionally primer 11 contained linker (Gln)₅Ala.