

Supplementary Table 1: Sequences of DNA primers used to PCR amplify ORFs of individual ZmKCS proteins.

Gene ID	KCS identifier	Primer Sequence (5' to 3')
Zm00001d030343	1	CACCATGGAGTCCGCGCCGTCA TCAGATGTACTCTTTTGGCGGG
Zm00001d039094	2	CACCATGGCCGACGACGACCCAAG TCAGATGGCTGACACCTTGGGG
Zm00001d018455	3	CACCATGGAGCTGCTCGCCCTG TACGAAGCCGCTCCCCTG
Zm00001d009608	4	CACCATGGACGAGTCTCCGCC CTATTGCTGCGTGGGGAAG
Zm00014a017507	5	CACCATGCCGACCGGCGGCGT TCAGAGGCTGACGACCTCCGGC
Zm00001d028241	6	CACCATGCCGAGCGGCGGCGT TCAAAGCTTGACGACCTCCGGG
Zm00014a004344	7	CACCATGGCGCCGGGATCGTC TCAATCAAGGGCCTCCATC
Zm00001d032948	8	CACCATGGCGGTGATGAGCCG TTAACCAAGAGAGATCTTGACGTG
Zm00001d045660	9	CACCATGGCTGTGTATAGG TCAGTGTTTTAAGACATCTGG
Zm00001d027904	10	CACCATGGCGCGGGAGGAGCAG CTAGGCGTCCATGCGCGC
Zm00001d016438	11	CACCATGGAAAACCGGCGCC CAATGCATTTCAATCGCTTGAA
Zm00001d020206	12	CACCATGCAGAGCTCGGTGG TCAAGCATGCTTGTGCGTC
Zm00001d047931	13	CACCATGGAGGAGGCTGCGCCC TCAGACGTACGCCTTGGGAG
Zm00001d028406	14	CACCATGGAGTCTGCTCCCGCC TCAGACGTACGCCTTGGGA
Zm00001d039053	15	CACCATGAACGGAGGCGCCGC CTATTGGTGTGCGGGGAAGCC
Zm00001d014168	16	CACCATGGTGGGTAGCAGGGAG TCAGGCATGGGAGACAGAG
Zm00001d037328	17	CACCATGGGTTCTGTCGGCGGC GGATAGCGGCTAGTGCTTGAGC
Zm00001d027766	18	CACCATGGCTTCTCTTAACC TTAAGCGTGTTGCGCATTC
Zm00001d032728	19	CACCATGGAATTGTAACTATG TCATAAGTCGATCAAATCC
Zm00001d046444	20	CACCATGGAGACGTACGCGCCG TCAAGCGCCACCAACCTTG
Zm00001d009354	21	CACCATGAACACGCTACTGCAT ATGCCCTAGGAGTCATCAGAT
Zm00001d044579	22	CACCATGGCCAAGCTTCTAAGC TCAGATGTTGTCCTTGGCG
Zm00001d051787	23	CACCATGGGCTCCTCGGCGCA TCAGTGCTTGAGCACGTCG
Zm00001d029350	24	CACCATGCAAGTAATATATCACGCATT TTAGAACATGAGGGTGTGCG
Zm00014a030515	25	CACCATGGAGCTACTTCTCTGC TTAGAGCATCAGGGTATCGC
Zm00001d021200	27	CACCATGGACATAGCTACCGAGAC TTAGGTATCTGTCACAGGTAC